

## ANDERSEN® 400 SERIES WINDOW AND DOOR NFRC/ENERGY STAR® INFORMATION

This document provides NFRC certified U-Factor, Solar Heat Gain Coefficient (SHGC) and Visible Transmittance (VT) values for Andersen® products along with the corresponding ENERGY STAR® Version 6.0 (2015) climate zones in which the product and glass type are certified.

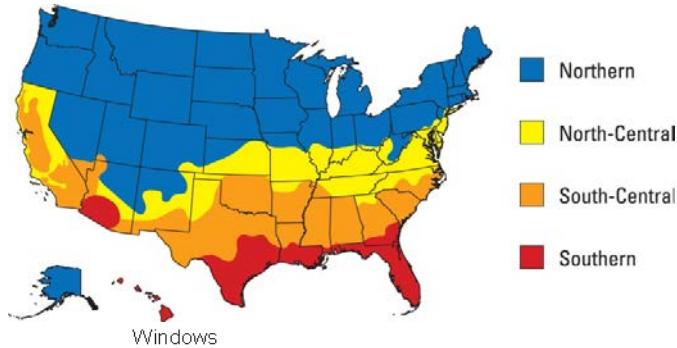


These products rated, certified and labeled by National Fenestration Rating Council® (NFRC) - a non-profit organization that provides fair, accurate and credible energy performance ratings for windows and doors.

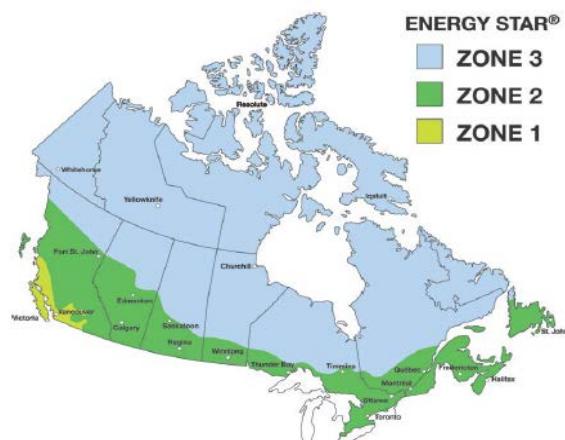


Many of our products meet the stringent energy efficiency certification criteria set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. The certification criteria is based on the heat gain and loss of each product in various regions of the country. Check the Andersen product performance available at [www.andersenwindows.com](http://www.andersenwindows.com) for units that are ENERGY STAR certified.

United States ENERGY STAR®  
Climate Zone Criteria



Canada ENERGY STAR®  
Climate Zone Criteria



| Climate Zone  | U-Factor <sup>1</sup> | SHGC <sup>2</sup> |                               |
|---------------|-----------------------|-------------------|-------------------------------|
| Northern*     | ≤ 0.27                | Any               | Prescriptive                  |
|               | = 0.28                | ≥ 0.32            | Equivalent Energy Performance |
|               | = 0.29                | ≥ 0.37            |                               |
|               | = 0.30                | ≥ 0.42            |                               |
| North-Central | ≤ 0.30                | ≤ 0.40            |                               |
| South-Central | ≤ 0.30                | ≤ 0.25            |                               |
| Southern      | ≤ 0.40                | ≤ 0.25            |                               |

| Glazing Level | U-Factor <sup>1</sup> | SHGC <sup>2</sup>                                      |
|---------------|-----------------------|--|
| Opaque        | ≤ 0.17                | No Rating  |
| ≤ ½-Lite      | ≤ 0.25                | ≤ 0.25   |
| > ½-Lite      | ≤ 0.30                | Northern<br>North-Central<br>Southern<br>South-Central |
|               |                       | ≤ 0.40<br>≤ 0.25                                       |

Air Leakage for Sliding Doors ≤ 0.3 cfm/ft<sup>2</sup>  
Air Leakage for Swinging Doors ≤ 0.5 cfm/ft<sup>2</sup>

| Windows and Doors<br>(effective February 1, 2015) |                          |                                  |    |                                     |
|---|--------------------------|----------------------------------|----|-------------------------------------|
| Zone  | Heating Degree-Day Range | Minimum Energy Rating (unitless) | or | Maximum U-Factor W/m <sup>2</sup> K |
| 1   | < 3500                   | 25                               | or | 1.60                                |
| 2   | 3500 to < 6000           | 29                               | or | 1.40                                |
| 3   | ≥ 6000                   | 34                               | or | 1.20                                |

Air Leakage ≤ 0.3 cfm/ft<sup>2</sup>

<sup>1</sup> Btu/h ft<sup>2</sup> °F

<sup>2</sup> Solar Heat Gain Coefficient

\* The effective date for the Northern Zone prescriptive and equivalent energy performance criteria for windows is January 1, 2016.

For NFRC certified total unit performance for units with capillary breather tubes, please refer to the High Altitude information section for each unit.

<sup>1</sup> U-Factor defines the amount of heat loss through the total unit in BTU/hr\*ft<sup>2</sup>\*°F, metric in W/m<sup>2</sup>\*K. The lower the value, the less the heat is lost through the entire product.

<sup>2</sup> Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.

<sup>3</sup> Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

NFRC ratings are based on modeling by a third party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

This data is accurate as of December 15, 2014. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Due to variations in dealer and distributor inventory levels, products that were manufactured before December 15, 2014 that were designed, tested and labeled with different NFRC values may still be available. Check the labels on the product packaging to confirm NFRC values. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass for high altitude, etc.

All marks where denoted are trademarks of their respective owners.

© 2014 Andersen Corporation. All rights reserved.

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Casement  | Low-E4®                          | No Grilles   | AND-N-1-01145-00001                      | 0.28                  | 1.59                         | 0.32              | 0.54            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01145-00002                      | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01163-00001                      | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01151-00001                      | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-1-01146-00001                      | 0.28                  | 1.59                         | 0.20              | 0.30            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01146-00002                      | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01164-00001                      | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01152-00001                      | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-1-01147-00001                      | 0.27                  | 1.53                         | 0.21              | 0.49            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01147-00002                      | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01165-00001                      | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01153-00001                      | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-1-01144-00001                      | 0.29                  | 1.65                         | 0.52              | 0.60            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01144-00002                      | 0.29                  | 1.65                         | 0.48              | 0.54            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01162-00001                      | 0.29                  | 1.65                         | 0.48              | 0.54            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01150-00001                      | 0.29                  | 1.65                         | 0.48              | 0.54            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-1-01246-00001                      | 0.24                  | 1.36                         | 0.31              | 0.53            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01246-00002                      | 0.24                  | 1.36                         | 0.28              | 0.48            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01255-00001                      | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01249-00001                      | 0.24                  | 1.36                         | 0.28              | 0.48            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-1-01247-00001                      | 0.24                  | 1.36                         | 0.21              | 0.48            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01247-00002                      | 0.24                  | 1.36                         | 0.19              | 0.43            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01256-00001                      | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01250-00001                      | 0.24                  | 1.36                         | 0.19              | 0.43            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-1-01245-00001                      | 0.25                  | 1.42                         | 0.48              | 0.58            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01245-00002                      | 0.25                  | 1.42                         | 0.44              | 0.53            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-1-01254-00001                      | 0.26                  | 1.48                         | 0.44              | 0.53            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01248-00001                      | 0.25                  | 1.42                         | 0.44              | 0.53            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Casement  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01145-00003                      | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01169-00001                      | 0.29                  | 1.65                         | 0.26              | 0.44            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01157-00001                      | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01146-00003                      | 0.28                  | 1.59                         | 0.17              | 0.25            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01170-00001                      | 0.29                  | 1.65                         | 0.17              | 0.25            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01158-00001                      | 0.30                  | 1.70                         | 0.18              | 0.27            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01147-00003                      | 0.27                  | 1.53                         | 0.18              | 0.40            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01171-00001                      | 0.28                  | 1.59                         | 0.18              | 0.40            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01159-00001                      | 0.29                  | 1.65                         | 0.19              | 0.44            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® PassiveSun®              | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01144-00003                      | 0.29                  | 1.65                         | 0.43              | 0.49            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01168-00001                      | 0.29                  | 1.65                         | 0.43              | 0.49            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01156-00001                      | 0.30                  | 1.70                         | 0.48              | 0.54            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01246-00003                      | 0.24                  | 1.36                         | 0.26              | 0.43            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01258-00001                      | 0.26                  | 1.48                         | 0.26              | 0.43            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01252-00001                      | 0.25                  | 1.42                         | 0.28              | 0.48            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01247-00003                      | 0.24                  | 1.36                         | 0.17              | 0.39            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-1-01259-00001                      | 0.25                  | 1.42                         | 0.17              | 0.39            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01253-00001                      | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |

| Andersen® Product Line & Product Type | Andersen Glass Type                    | Grille Type   | NFRC Certified Products Directory Number | U.S. ENERGY STAR v 6.0 |                              |                   |                 | Canada ENERGY STAR v 4.1 |                  |       |            |            |       |          |
|---------------------------------------|--|---|--|------------------------|------------------------------|-------------------|-----------------|--------------------------|------------------|-------|------------|------------|-------|----------|
|                                       |  |   |  | U-Factor <sup>r</sup>  | U-Factor <sup>r</sup> Metric | SHGC <sup>r</sup> | VT <sup>r</sup> | Canada ER                | Air Infiltration | North | N. Central | S. Central | South |          |
| 400 Series Casement                   | Low-E4® PassiveSun® w/ Heatlock™       | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01245-00003                      | 0.25                   | 1.42                         | 0.40              | 0.48            | 32                       | < 0.2            | N     | NC         | -          | -     | Z1 Z2 -  |
|                                       |  | Full Divided Lite   | AND-N-1-01257-00001                      | 0.26                   | 1.48                         | 0.40              | 0.48            | 30                       | < 0.2            | N     | NC         | -          | -     | Z1 Z2 -  |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01251-00001                      | 0.26                   | 1.48                         | 0.44              | 0.53            | 33                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                        |                              |                   |                 |                          |                  |       |            |            |       |          |
|                                       |  | No Grilles  | AND-N-1-01175-00001                      | 0.29                   | 1.65                         | 0.31              | 0.54            | 22                       | < 0.2            | -     | NC         | -          | -     | -        |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01175-00002                      | 0.29                   | 1.65                         | 0.29              | 0.49            | 20                       | < 0.2            | -     | NC         | -          | -     | -        |
|                                       | Low-E4® Sun                            | Full Divided Lite   | AND-N-1-01187-00001                      | 0.29                   | 1.65                         | 0.29              | 0.49            | 20                       | < 0.2            | -     | NC         | -          | -     | -        |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01181-00001                      | 0.30                   | 1.70                         | 0.29              | 0.49            | 19                       | < 0.2            | -     | NC         | -          | -     | -        |
|                                       |  | No Grilles  | AND-N-1-01176-00001                      | 0.29                   | 1.65                         | 0.20              | 0.30            | 15                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01176-00002                      | 0.29                   | 1.65                         | 0.18              | 0.27            | 14                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Full Divided Lite   | AND-N-1-01188-00001                      | 0.30                   | 1.70                         | 0.18              | 0.27            | 13                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01182-00001                      | 0.30                   | 1.70                         | 0.18              | 0.27            | 13                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       | Low-E4® SmartSun™                      | No Grilles  | AND-N-1-01177-00001                      | 0.28                   | 1.59                         | 0.21              | 0.48            | 17                       | < 0.2            | -     | NC         | SC         | S     | Z1 -     |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01177-00002                      | 0.28                   | 1.59                         | 0.19              | 0.44            | 16                       | < 0.2            | -     | NC         | SC         | S     | Z1 -     |
|                                       |  | Full Divided Lite   | AND-N-1-01189-00001                      | 0.29                   | 1.65                         | 0.19              | 0.44            | 15                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01183-00001                      | 0.29                   | 1.65                         | 0.19              | 0.44            | 15                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | No Grilles  | AND-N-1-01174-00001                      | 0.29                   | 1.65                         | 0.51              | 0.59            | 33                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01174-00002                      | 0.29                   | 1.65                         | 0.47              | 0.53            | 31                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       | Low-E4® w/ Heatlock™                   | Full Divided Lite   | AND-N-1-01186-00001                      | 0.30                   | 1.70                         | 0.47              | 0.53            | 30                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01180-00001                      | 0.30                   | 1.70                         | 0.47              | 0.53            | 30                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | No Grilles  | AND-N-1-01261-00001                      | 0.25                   | 1.42                         | 0.31              | 0.52            | 27                       | < 0.2            | N     | NC         | -          | -     | Z1 -     |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01261-00002                      | 0.25                   | 1.42                         | 0.28              | 0.47            | 25                       | < 0.2            | N     | NC         | -          | -     | Z1 -     |
|                                       |  | Full Divided Lite   | AND-N-1-01267-00001                      | 0.26                   | 1.48                         | 0.28              | 0.47            | 24                       | < 0.2            | N     | NC         | -          | -     | Z1 -     |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01264-00001                      | 0.26                   | 1.48                         | 0.28              | 0.47            | 24                       | < 0.2            | N     | NC         | -          | -     | Z1 -     |
|                                       | Low-E4® SmartSun™ w/ Heatlock™         | No Grilles  | AND-N-1-01262-00001                      | 0.24                   | 1.36                         | 0.21              | 0.47            | 22                       | < 0.2            | N     | NC         | SC         | S     | Z1 Z2 -  |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01262-00002                      | 0.24                   | 1.36                         | 0.19              | 0.43            | 21                       | < 0.2            | N     | NC         | SC         | S     | Z1 Z2 -  |
|                                       |  | Full Divided Lite   | AND-N-1-01268-00001                      | 0.26                   | 1.48                         | 0.19              | 0.43            | 18                       | < 0.2            | N     | NC         | SC         | S     | Z1 -     |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01265-00001                      | 0.25                   | 1.42                         | 0.19              | 0.43            | 20                       | < 0.2            | N     | NC         | SC         | S     | Z1 -     |
|                                       |  | No Grilles  | AND-N-1-01260-00001                      | 0.25                   | 1.42                         | 0.47              | 0.58            | 36                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 Z3 |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01260-00002                      | 0.25                   | 1.42                         | 0.43              | 0.52            | 34                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 Z3 |
|                                       | Low-E4® PassiveSun® w/ Heatlock™       | Full Divided Lite   | AND-N-1-01266-00001                      | 0.27                   | 1.53                         | 0.43              | 0.52            | 31                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-1-01263-00001                      | 0.26                   | 1.48                         | 0.43              | 0.52            | 32                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater               |  |                        |                              |                   |                 |                          |                  |       |            |            |       |          |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01175-00003                      | 0.29                   | 1.65                         | 0.26              | 0.44            | 19                       | < 0.2            | -     | NC         | -          | -     | -        |
|                                       |  | Full Divided Lite   | AND-N-1-01193-00001                      | 0.29                   | 1.65                         | 0.26              | 0.44            | 19                       | < 0.2            | -     | NC         | -          | -     | -        |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -          | -          | -     |          |
|                                       | Low-E4® Sun                            | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01176-00003                      | 0.29                   | 1.65                         | 0.17              | 0.24            | 13                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Full Divided Lite   | AND-N-1-01194-00001                      | 0.30                   | 1.70                         | 0.17              | 0.24            | 12                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -          | -          | -     |          |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01177-00003                      | 0.28                   | 1.59                         | 0.18              | 0.39            | 15                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Full Divided Lite   | AND-N-1-01195-00001                      | 0.29                   | 1.65                         | 0.18              | 0.39            | 14                       | < 0.2            | -     | NC         | SC         | S     | -        |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -          | -          | -     |          |
|                                       | Low-E4® SmartSun™                      | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01174-00003                      | 0.29                   | 1.65                         | 0.43              | 0.48            | 29                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 -  |
|                                       |  | Full Divided Lite   | AND-N-1-01192-00001                      | 0.30                   | 1.70                         | 0.43              | 0.48            | 27                       | < 0.2            | N     | -          | -          | -     | Z1 -     |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -          | -          | -     |          |
|                                       |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01261-00003                      | 0.25                   | 1.42                         | 0.26              | 0.43            | 24                       | < 0.2            | N     | NC         | -          | -     | Z1 -     |
|                                       |  | Full Divided Lite   | AND-N-1-01270-00001                      | 0.26                   | 1.48                         | 0.26              | 0.43            | 22                       | < 0.2            | N     | NC         | -          | -     | Z1 -     |
|                                       |  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -          | -          | -     |          |
|                                       | Low-E4® w/ Heatlock™                   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-1-01261-00003                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | n/a              | -     | -          | -          | -     |          |
|                                       | Full Divided Lite                      | AND-N-1-01270-00001   | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -          | -          |       |          |
|                                       | Finelight™ (grilles-between-the-glass) | n/a   | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | -                        | -                | -     | -          | -          |       |          |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |  |
|---------------------------------------|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|--|
|                                       |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |  |
| 400 Series Casement                   | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01262-00003                      | 0.24                  | 1.36                         | 0.17              | 0.39            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | - |   |  |
|                                       |   | Full Divided Lite                                      | AND-N-1-01271-00001                      | 0.26                  | 1.48                         | 0.17              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01260-00003                      | 0.25                  | 1.42                         | 0.39              | 0.47            | 31        | < 0.2            | N          | NC         | -     | -                      | Z1     | Z2                       | - |   |  |
|                                       |   | Full Divided Lite                                      | AND-N-1-01269-00001                      | 0.27                  | 1.53                         | 0.39              | 0.47            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1     | Z2                       | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |  |
|                                       | Low-E4®   | No Grilles   | AND-N-1-01175-00004                      | 0.29                  | 1.65                         | 0.31              | 0.54            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01175-00005                      | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |  |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       | Low-E4® Sun   | No Grilles   | AND-N-1-01176-00004                      | 0.29                  | 1.65                         | 0.20              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01176-00005                      | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |  |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       | Low-E4® SmartSun™   | No Grilles   | AND-N-1-01177-00004                      | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | - |   |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01177-00005                      | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | - |   |  |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |  |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01175-00006                      | 0.29                  | 1.65                         | 0.26              | 0.44            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |  |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01176-00006                      | 0.29                  | 1.65                         | 0.17              | 0.24            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |  |
|                                       | Low-E4® Sun   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01177-00006                      | 0.28                  | 1.59                         | 0.18              | 0.39            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |  |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01174-00006                      | 0.29                  | 1.65                         | 0.43              | 0.48            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |  |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |  |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Casement (w/ Capillary Breather Tubes)                  | Low-E4®                          | No Grilles   | AND-N-1-00992-00001                      | 0.31                  | 1.76                         | 0.32              | 0.54            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00992-00002                      | 0.31                  | 1.76                         | 0.29              | 0.49            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01010-00001                      | 0.32                  | 1.82                         | 0.29              | 0.49            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-00998-00001                      | 0.31                  | 1.76                         | 0.29              | 0.49            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-1-00993-00001                      | 0.32                  | 1.82                         | 0.20              | 0.30            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00993-00002                      | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01011-00001                      | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-00999-00001                      | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-1-00994-00001                      | 0.31                  | 1.76                         | 0.21              | 0.49            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00994-00002                      | 0.31                  | 1.76                         | 0.20              | 0.44            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01012-00001                      | 0.32                  | 1.82                         | 0.20              | 0.44            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01000-00001                      | 0.31                  | 1.76                         | 0.20              | 0.44            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-1-00991-00001                      | 0.32                  | 1.82                         | 0.52              | 0.60            | 30        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00991-00002                      | 0.32                  | 1.82                         | 0.48              | 0.54            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01009-00001                      | 0.33                  | 1.87                         | 0.48              | 0.54            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-00997-00001                      | 0.32                  | 1.82                         | 0.48              | 0.54            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-1-01093-00001                      | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01093-00002                      | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01102-00001                      | 0.29                  | 1.65                         | 0.28              | 0.48            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01096-00001                      | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-1-01094-00001                      | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01094-00002                      | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01103-00001                      | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01097-00001                      | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-1-01092-00001                      | 0.27                  | 1.53                         | 0.47              | 0.58            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01092-00002                      | 0.27                  | 1.53                         | 0.43              | 0.53            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Full Divided Lite                                      | AND-N-1-01101-00001                      | 0.29                  | 1.65                         | 0.43              | 0.53            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01095-00001                      | 0.27                  | 1.53                         | 0.43              | 0.53            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Casement (w/ Capillary Breather Tubes)                  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00992-00003                      | 0.31                  | 1.76                         | 0.27              | 0.44            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01016-00001                      | 0.32                  | 1.82                         | 0.27              | 0.44            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01004-00001                      | 0.33                  | 1.87                         | 0.29              | 0.49            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00993-00003                      | 0.32                  | 1.82                         | 0.17              | 0.25            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-1-01017-00001                      | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01005-00001                      | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00994-00003                      | 0.31                  | 1.76                         | 0.18              | 0.40            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01018-00001                      | 0.32                  | 1.82                         | 0.18              | 0.40            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01006-00001                      | 0.33                  | 1.87                         | 0.20              | 0.44            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-00991-00003                      | 0.32                  | 1.82                         | 0.43              | 0.49            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01015-00001                      | 0.33                  | 1.87                         | 0.43              | 0.49            | 24        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01003-00001                      | 0.34                  | 1.93                         | 0.48              | 0.54            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01093-00003                      | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-1-01105-00001                      | 0.29                  | 1.65                         | 0.26              | 0.43            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01099-00001                      | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01094-00003                      | 0.26                  | 1.48                         | 0.18              | 0.39            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-1-01106-00001                      | 0.28                  | 1.59                         | 0.18              | 0.39            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01100-00001                      | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |

| Andersen® Product Line & Product Type             | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |            |       |    |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|------------|-------|----|
|   |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER              | North | N. Central               | S. Central | South |    |
| 400 Series Casement (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01092-00003                      | 0.27                  | 1.53                         | 0.39              | 0.48            | 29                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01104-00001                      | 0.29                  | 1.65                         | 0.39              | 0.48            | 26                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01098-00001                      | 0.28                  | 1.59                         | 0.43              | 0.53            | 30                     | < 0.2 | N                        | -          | -     | -  |
|   | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|   | Low-E4®   | No Grilles   | AND-N-1-01022-00001                      | 0.33                  | 1.87                         | 0.32              | 0.54            | 17                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01022-00002                      | 0.33                  | 1.87                         | 0.29              | 0.49            | 16                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01034-00001                      | 0.34                  | 1.93                         | 0.29              | 0.49            | 14                     | < 0.2 | -                        | -          | -     | -  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01028-00001                      | 0.34                  | 1.93                         | 0.29              | 0.49            | 14                     | < 0.2 | -                        | -          | -     | -  |
|   |   | No Grilles   | AND-N-1-01023-00001                      | 0.33                  | 1.87                         | 0.20              | 0.30            | 10                     | < 0.2 | -                        | -          | S     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01023-00002                      | 0.33                  | 1.87                         | 0.19              | 0.27            | 10                     | < 0.2 | -                        | -          | S     | -  |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-1-01035-00001                      | 0.34                  | 1.93                         | 0.19              | 0.27            | 9                      | < 0.2 | -                        | -          | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01029-00001                      | 0.34                  | 1.93                         | 0.19              | 0.27            | 9                      | < 0.2 | -                        | -          | S     | -  |
|   |   | No Grilles   | AND-N-1-01024-00001                      | 0.32                  | 1.82                         | 0.21              | 0.48            | 12                     | < 0.2 | -                        | -          | S     | -  |
|   | Low-E4® PassiveSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01024-00002                      | 0.32                  | 1.82                         | 0.20              | 0.44            | 11                     | < 0.2 | -                        | -          | S     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01036-00001                      | 0.33                  | 1.87                         | 0.20              | 0.44            | 10                     | < 0.2 | -                        | -          | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01030-00001                      | 0.33                  | 1.87                         | 0.20              | 0.44            | 10                     | < 0.2 | -                        | -          | S     | -  |
|   | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-1-01021-00001                      | 0.33                  | 1.87                         | 0.51              | 0.59            | 28                     | < 0.2 | -                        | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01021-00002                      | 0.33                  | 1.87                         | 0.47              | 0.53            | 26                     | < 0.2 | -                        | -          | -     | Z1 |
|   |   | Full Divided Lite                                      | AND-N-1-01033-00001                      | 0.34                  | 1.93                         | 0.47              | 0.53            | 25                     | < 0.2 | -                        | -          | -     | Z1 |
|   | Low-E4® SmartSun™ w/ Heatlock™  | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01027-00001                      | 0.34                  | 1.93                         | 0.47              | 0.53            | 25                     | < 0.2 | -                        | -          | -     | Z1 |
|   |   | No Grilles   | AND-N-1-01108-00001                      | 0.28                  | 1.59                         | 0.31              | 0.52            | 23                     | < 0.2 | -                        | NC         | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01108-00002                      | 0.28                  | 1.59                         | 0.28              | 0.47            | 21                     | < 0.2 | -                        | NC         | -     | Z1 |
|   | Low-E4® w/ Heatlock™  | Full Divided Lite                                      | AND-N-1-01114-00001                      | 0.29                  | 1.65                         | 0.28              | 0.47            | 20                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01111-00001                      | 0.29                  | 1.65                         | 0.28              | 0.47            | 20                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | No Grilles   | AND-N-1-01109-00001                      | 0.27                  | 1.53                         | 0.21              | 0.47            | 18                     | < 0.2 | N                        | NC         | SC    | S  |
|   | Low-E4® PassiveSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01109-00002                      | 0.27                  | 1.53                         | 0.19              | 0.43            | 17                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite                                      | AND-N-1-01115-00001                      | 0.29                  | 1.65                         | 0.19              | 0.43            | 15                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01112-00001                      | 0.28                  | 1.59                         | 0.19              | 0.43            | 16                     | < 0.2 | -                        | NC         | SC    | S  |
|   | Low-E4® PassiveSun™   | No Grilles   | AND-N-1-01107-00001                      | 0.28                  | 1.59                         | 0.46              | 0.58            | 32                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01107-00002                      | 0.28                  | 1.59                         | 0.42              | 0.52            | 29                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Full Divided Lite                                      | AND-N-1-01113-00001                      | 0.30                  | 1.70                         | 0.42              | 0.52            | 27                     | < 0.2 | N                        | -          | -     | Z1 |
|   | Low-E4®   | Finelight™ (grilles-between-the-glass)                 | AND-N-1-01110-00001                      | 0.29                  | 1.65                         | 0.42              | 0.52            | 28                     | < 0.2 | N                        | -          | -     | Z1 |
|   | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01022-00003                      | 0.33                  | 1.87                         | 0.27              | 0.44            | 14                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01040-00001                      | 0.33                  | 1.87                         | 0.27              | 0.44            | 14                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -          | -     |    |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01023-00003                      | 0.33                  | 1.87                         | 0.17              | 0.24            | 9                      | < 0.2 | -                        | -          | S     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01041-00001                      | 0.34                  | 1.93                         | 0.17              | 0.24            | 7                      | < 0.2 | -                        | -          | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -          | -     |    |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01024-00003                      | 0.32                  | 1.82                         | 0.18              | 0.39            | 10                     | < 0.2 | -                        | -          | S     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01042-00001                      | 0.33                  | 1.87                         | 0.18              | 0.39            | 9                      | < 0.2 | -                        | -          | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -          | -     |    |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01021-00003                      | 0.33                  | 1.87                         | 0.42              | 0.48            | 23                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Full Divided Lite                                      | AND-N-1-01039-00001                      | 0.34                  | 1.93                         | 0.42              | 0.48            | 22                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -          | -     |    |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01108-00003                      | 0.28                  | 1.59                         | 0.26              | 0.43            | 20                     | < 0.2 | -                        | NC         | -     | Z1 |
|   |   | Full Divided Lite                                      | AND-N-1-01117-00001                      | 0.30                  | 1.70                         | 0.26              | 0.43            | 18                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -          | -     |    |

| Andersen® Product Line & Product Type                                 | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Casement (w/ Capillary Breather Tubes)                     | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01109-00003                      | 0.27                  | 1.53                         | 0.18              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | - |
|   |   | Full Divided Lite                                      | AND-N-1-01118-00001                      | 0.29                  | 1.65                         | 0.18              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01107-00003                      | 0.28                  | 1.59                         | 0.39              | 0.47            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | - |
|   |   | Full Divided Lite                                      | AND-N-1-01116-00001                      | 0.30                  | 1.70                         | 0.39              | 0.47            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1                       | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-1-01022-00004                      | 0.33                  | 1.87                         | 0.32              | 0.54            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01022-00005                      | 0.33                  | 1.87                         | 0.29              | 0.49            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   | Low-E4® Sun   | No Grilles   | AND-N-1-01023-00004                      | 0.33                  | 1.87                         | 0.20              | 0.30            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01023-00005                      | 0.33                  | 1.87                         | 0.19              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-1-01024-00004                      | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01024-00005                      | 0.32                  | 1.82                         | 0.20              | 0.44            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-1-01021-00004                      | 0.33                  | 1.87                         | 0.51              | 0.59            | 28        | < 0.2            | -          | -          | -     | -                      | Z1                       | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-1-01021-00005                      | 0.33                  | 1.87                         | 0.47              | 0.53            | 26        | < 0.2            | -          | -          | -     | -                      | Z1                       | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |   |
| 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |   |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        | -                        |   |
| Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-1-01022-00006                                    | 0.33                                     | 1.87                  | 0.27                         | 0.44              | 14              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
| Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-1-01023-00006                                    | 0.33                                     | 1.87                  | 0.17                         | 0.24              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|   | Full Divided Lite   | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
| Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-1-01024-00006                                    | 0.32                                     | 1.82                  | 0.18                         | 0.39              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|   | Full Divided Lite   | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
| Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-1-01021-00006                                    | 0.33                                     | 1.87                  | 0.42                         | 0.48              | 23              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      |                          |   |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|----|----|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  |                          |    |    |    |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |    |    |
| 400 Series Awning  | Low-E4®                          | No Grilles   | AND-N-2-01430-00001                      | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2            | -          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01430-00002                      | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01448-00001                      | 0.29                  | 1.65                         | 0.28              | 0.48            | 20        | < 0.2            | -          | NC         | -                      | -                        | -  | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01436-00001                      | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -                      | -                        | Z1 | -  | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-2-01431-00001                      | 0.28                  | 1.59                         | 0.19              | 0.29            | 16        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01431-00002                      | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01449-00001                      | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01437-00001                      | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-2-01432-00001                      | 0.27                  | 1.53                         | 0.21              | 0.48            | 18        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01432-00002                      | 0.27                  | 1.53                         | 0.19              | 0.43            | 17        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01450-00001                      | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01438-00001                      | 0.27                  | 1.53                         | 0.19              | 0.43            | 17        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-2-01429-00001                      | 0.29                  | 1.65                         | 0.51              | 0.59            | 33        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01429-00002                      | 0.29                  | 1.65                         | 0.47              | 0.53            | 31        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01447-00001                      | 0.29                  | 1.65                         | 0.47              | 0.53            | 31        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01435-00001                      | 0.29                  | 1.65                         | 0.47              | 0.53            | 31        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-2-01531-00001                      | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01531-00002                      | 0.25                  | 1.42                         | 0.28              | 0.47            | 25        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01540-00001                      | 0.26                  | 1.48                         | 0.28              | 0.47            | 24        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01534-00001                      | 0.25                  | 1.42                         | 0.28              | 0.47            | 25        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-2-01532-00001                      | 0.24                  | 1.36                         | 0.20              | 0.47            | 22        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | Z2 | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01532-00002                      | 0.24                  | 1.36                         | 0.19              | 0.42            | 21        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01541-00001                      | 0.25                  | 1.42                         | 0.19              | 0.42            | 20        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01535-00001                      | 0.24                  | 1.36                         | 0.19              | 0.42            | 21        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | Z2 | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-2-01530-00001                      | 0.25                  | 1.42                         | 0.47              | 0.57            | 36        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01530-00002                      | 0.25                  | 1.42                         | 0.43              | 0.52            | 34        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-2-01539-00001                      | 0.26                  | 1.48                         | 0.43              | 0.52            | 32        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01533-00001                      | 0.25                  | 1.42                         | 0.43              | 0.52            | 34        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | Z3 |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |    |    |
| 400 Series Awning  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01430-00003                      | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2            | -          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01454-00001                      | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2            | -          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01442-00001                      | 0.29                  | 1.65                         | 0.28              | 0.48            | 20        | < 0.2            | -          | NC         | -                      | -                        | -  | -  | -  |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01431-00003                      | 0.28                  | 1.59                         | 0.16              | 0.24            | 14        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01455-00001                      | 0.29                  | 1.65                         | 0.16              | 0.24            | 13        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01443-00001                      | 0.30                  | 1.70                         | 0.18              | 0.27            | 13        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01432-00003                      | 0.27                  | 1.53                         | 0.17              | 0.39            | 16        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01456-00001                      | 0.28                  | 1.59                         | 0.17              | 0.39            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01444-00001                      | 0.29                  | 1.65                         | 0.19              | 0.43            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | -  | -  |
|  | Low-E4® PassiveSun®              | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01429-00003                      | 0.29                  | 1.65                         | 0.43              | 0.48            | 29        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01453-00001                      | 0.29                  | 1.65                         | 0.43              | 0.48            | 29        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01441-00001                      | 0.30                  | 1.70                         | 0.47              | 0.53            | 30        | < 0.2            | N          | -          | -                      | -                        | Z1 | Z2 | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01531-00003                      | 0.25                  | 1.42                         | 0.26              | 0.43            | 24        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01543-00001                      | 0.26                  | 1.48                         | 0.26              | 0.43            | 22        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01537-00001                      | 0.25                  | 1.42                         | 0.28              | 0.47            | 25        | < 0.2            | N          | NC         | -                      | -                        | Z1 | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01532-00003                      | 0.24                  | 1.36                         | 0.17              | 0.38            | 20        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-2-01544-00001                      | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01538-00001                      | 0.25                  | 1.42                         | 0.19              | 0.42            | 20        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | -  | -  |

| Andersen® Product Line & Product Type | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U.S. ENERGY STAR v 6.0 |                              |                   |                 |           |       |                  |    | Canada ENERGY STAR v 4.1 |            |            |       |        |        |        |
|---------------------------------------|----------------------------------|---|--|------------------------|------------------------------|-------------------|-----------------|-----------|-------|------------------|----|--------------------------|------------|------------|-------|--------|--------|--------|
|                                       |                                  |   |  | U-Factor <sup>r</sup>  | U-Factor <sup>r</sup> Metric | SHGC <sup>r</sup> | VT <sup>r</sup> | Canada ER |       | Air Infiltration |    | North                    | N. Central | S. Central | South | Zone 1 | Zone 2 | Zone 3 |
| 400 Series Awning                     | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01530-00003                      | 0.25                   | 1.42                         | 0.39              | 0.47            | 31        | < 0.2 | N                | NC | -                        | -          | -          | -     | Z1     | Z2     | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01542-00001                      | 0.26                   | 1.48                         | 0.39              | 0.47            | 30        | < 0.2 | N                | NC | -                        | -          | -          | -     | Z1     | Z2     | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01536-00001                      | 0.26                   | 1.48                         | 0.43              | 0.52            | 32        | < 0.2 | N                | -  | -                        | -          | -          | -     | Z1     | Z2     | -      |
|                                       |                                  | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                        |                              |                   |                 |           |       |                  |    |                          |            |            |       |        |        |        |
|                                       |                                  | No Grilles  | AND-N-2-01460-00001                      | 0.29                   | 1.65                         | 0.31              | 0.53            | 22        | < 0.2 | -                | NC | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01460-00002                      | 0.29                   | 1.65                         | 0.28              | 0.48            | 20        | < 0.2 | -                | NC | -                        | -          | -          | -     | -      | -      | -      |
|                                       | Low-E4® Sun                      | Full Divided Lite   | AND-N-2-01472-00001                      | 0.29                   | 1.65                         | 0.28              | 0.48            | 20        | < 0.2 | -                | NC | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01466-00001                      | 0.29                   | 1.65                         | 0.28              | 0.48            | 20        | < 0.2 | -                | NC | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | No Grilles  | AND-N-2-01461-00001                      | 0.29                   | 1.65                         | 0.19              | 0.29            | 15        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01461-00002                      | 0.29                   | 1.65                         | 0.18              | 0.27            | 14        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01473-00001                      | 0.30                   | 1.70                         | 0.18              | 0.27            | 13        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01467-00001                      | 0.30                   | 1.70                         | 0.18              | 0.27            | 13        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       | Low-E4® SmartSun™                | No Grilles  | AND-N-2-01462-00001                      | 0.28                   | 1.59                         | 0.21              | 0.47            | 17        | < 0.2 | -                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01462-00002                      | 0.28                   | 1.59                         | 0.19              | 0.43            | 16        | < 0.2 | -                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01474-00001                      | 0.29                   | 1.65                         | 0.19              | 0.43            | 15        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01468-00001                      | 0.29                   | 1.65                         | 0.19              | 0.43            | 15        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | No Grilles  | AND-N-2-01459-00001                      | 0.29                   | 1.65                         | 0.51              | 0.58            | 33        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01459-00002                      | 0.29                   | 1.65                         | 0.46              | 0.53            | 30        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       | Low-E4® PassiveSun® w/ Heatlock™ | Full Divided Lite   | AND-N-2-01471-00001                      | 0.30                   | 1.70                         | 0.46              | 0.53            | 29        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01465-00001                      | 0.30                   | 1.70                         | 0.46              | 0.53            | 29        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       |                                  | No Grilles  | AND-N-2-01546-00001                      | 0.25                   | 1.42                         | 0.30              | 0.51            | 26        | < 0.2 | N                | NC | -                        | -          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01546-00002                      | 0.25                   | 1.42                         | 0.28              | 0.47            | 25        | < 0.2 | N                | NC | -                        | -          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01552-00001                      | 0.26                   | 1.48                         | 0.28              | 0.47            | 24        | < 0.2 | N                | NC | -                        | -          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01549-00001                      | 0.26                   | 1.48                         | 0.28              | 0.47            | 24        | < 0.2 | N                | NC | -                        | -          | Z1         | -     | -      | -      | -      |
|                                       | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles  | AND-N-2-01547-00001                      | 0.25                   | 1.42                         | 0.20              | 0.46            | 20        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01547-00002                      | 0.25                   | 1.42                         | 0.19              | 0.42            | 20        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01553-00001                      | 0.26                   | 1.48                         | 0.19              | 0.42            | 18        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01550-00001                      | 0.25                   | 1.42                         | 0.19              | 0.42            | 20        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | No Grilles  | AND-N-2-01545-00001                      | 0.26                   | 1.48                         | 0.46              | 0.57            | 34        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | 3      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01545-00002                      | 0.26                   | 1.48                         | 0.42              | 0.51            | 32        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       | Low-E4® PassiveSun® w/ Heatlock™ | Full Divided Lite   | AND-N-2-01551-00001                      | 0.27                   | 1.53                         | 0.42              | 0.51            | 31        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-2-01548-00001                      | 0.26                   | 1.48                         | 0.42              | 0.51            | 32        | < 0.2 | N                | -  | -                        | -          | Z1         | Z2    | -      | -      | -      |
|                                       |                                  | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater               |  |                        |                              |                   |                 |           |       |                  |    |                          |            |            |       |        |        |        |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01460-00003                      | 0.29                   | 1.65                         | 0.26              | 0.43            | 19        | < 0.2 | -                | NC | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01478-00001                      | 0.29                   | 1.65                         | 0.26              | 0.43            | 19        | < 0.2 | -                | NC | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a       | n/a   | -                | -  | -                        | -          | -          | -     | -      | -      | -      |
|                                       | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01461-00003                      | 0.29                   | 1.65                         | 0.16              | 0.24            | 13        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01479-00001                      | 0.29                   | 1.65                         | 0.16              | 0.24            | 13        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a       | n/a   | -                | -  | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01462-00003                      | 0.28                   | 1.59                         | 0.17              | 0.39            | 15        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01480-00001                      | 0.29                   | 1.65                         | 0.17              | 0.39            | 13        | < 0.2 | -                | NC | SC                       | S          | -          | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a       | n/a   | -                | -  | -                        | -          | -          | -     | -      | -      | -      |
|                                       | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01459-00003                      | 0.29                   | 1.65                         | 0.42              | 0.47            | 28        | < 0.2 | N                | -  | -                        | -          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01477-00001                      | 0.30                   | 1.70                         | 0.42              | 0.47            | 27        | < 0.2 | N                | -  | -                        | -          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a       | n/a   | -                | -  | -                        | -          | -          | -     | -      | -      | -      |
|                                       |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01546-00003                      | 0.25                   | 1.42                         | 0.25              | 0.42            | 23        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01555-00001                      | 0.26                   | 1.48                         | 0.25              | 0.42            | 22        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a       | n/a   | -                | -  | -                        | -          | -          | -     | -      | -      | -      |
|                                       | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable                      | AND-N-2-01546-00003                      | 0.25                   | 1.42                         | 0.25              | 0.42            | 23        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Full Divided Lite   | AND-N-2-01555-00001                      | 0.26                   | 1.48                         | 0.25              | 0.42            | 22        | < 0.2 | N                | NC | SC                       | S          | Z1         | -     | -      | -      | -      |
|                                       |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a       | n/a   | -                | -  | -                        | -          | -          | -     | -      | -      | -      |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|---------------------------------------|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|                                       |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series Awning                     | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01547-00003                      | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | - |   |
|                                       |   | Full Divided Lite                                      | AND-N-2-01556-00001                      | 0.26                  | 1.48                         | 0.17              | 0.38            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01545-00003                      | 0.26                  | 1.48                         | 0.38              | 0.46            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1     | Z2                       | - |   |
|                                       |   | Full Divided Lite                                      | AND-N-2-01554-00001                      | 0.27                  | 1.53                         | 0.38              | 0.46            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|                                       | Low-E4®   | No Grilles   | AND-N-2-01460-00004                      | 0.29                  | 1.65                         | 0.31              | 0.53            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01460-00005                      | 0.29                  | 1.65                         | 0.28              | 0.48            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       | Low-E4® Sun   | No Grilles   | AND-N-2-01461-00004                      | 0.29                  | 1.65                         | 0.19              | 0.29            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01461-00005                      | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       | Low-E4® SmartSun™   | No Grilles   | AND-N-2-01462-00004                      | 0.28                  | 1.59                         | 0.21              | 0.47            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | - | - |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01462-00005                      | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | - | - |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01460-00006                      | 0.29                  | 1.65                         | 0.26              | 0.43            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01461-00006                      | 0.29                  | 1.65                         | 0.16              | 0.24            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|                                       | Low-E4® Sun   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01462-00006                      | 0.28                  | 1.59                         | 0.17              | 0.39            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01459-00006                      | 0.29                  | 1.65                         | 0.42              | 0.47            | 28        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - | - |
|                                       |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|                                       | Low-E4® Passivesun®   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Awning (w/ Capillary Breather Tubes)                    | Low-E4®                          | No Grilles   | AND-N-2-01277-00001                      | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01277-00002                      | 0.32                  | 1.82                         | 0.29              | 0.48            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01295-00001                      | 0.32                  | 1.82                         | 0.29              | 0.48            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01283-00001                      | 0.32                  | 1.82                         | 0.29              | 0.48            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-2-01278-00001                      | 0.32                  | 1.82                         | 0.20              | 0.29            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01278-00002                      | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01296-00001                      | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01284-00001                      | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-2-01279-00001                      | 0.31                  | 1.76                         | 0.21              | 0.48            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01279-00002                      | 0.31                  | 1.76                         | 0.19              | 0.43            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01297-00001                      | 0.32                  | 1.82                         | 0.19              | 0.43            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01285-00001                      | 0.31                  | 1.76                         | 0.19              | 0.43            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-2-01276-00001                      | 0.32                  | 1.82                         | 0.51              | 0.59            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01276-00002                      | 0.32                  | 1.82                         | 0.47              | 0.53            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01294-00001                      | 0.33                  | 1.87                         | 0.47              | 0.53            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01282-00001                      | 0.32                  | 1.82                         | 0.47              | 0.53            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-2-01378-00001                      | 0.27                  | 1.53                         | 0.31              | 0.52            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01378-00002                      | 0.27                  | 1.53                         | 0.28              | 0.47            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01387-00001                      | 0.29                  | 1.65                         | 0.28              | 0.47            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01381-00001                      | 0.27                  | 1.53                         | 0.28              | 0.47            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-2-01379-00001                      | 0.27                  | 1.53                         | 0.20              | 0.47            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01379-00002                      | 0.27                  | 1.53                         | 0.19              | 0.42            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01388-00001                      | 0.28                  | 1.59                         | 0.19              | 0.42            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01382-00001                      | 0.27                  | 1.53                         | 0.19              | 0.42            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-2-01377-00001                      | 0.28                  | 1.59                         | 0.47              | 0.57            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01377-00002                      | 0.28                  | 1.59                         | 0.43              | 0.52            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Full Divided Lite                                      | AND-N-2-01386-00001                      | 0.29                  | 1.65                         | 0.43              | 0.52            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01380-00001                      | 0.28                  | 1.59                         | 0.43              | 0.52            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Awning (w/ Capillary Breather Tubes)                    | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01277-00003                      | 0.32                  | 1.82                         | 0.26              | 0.44            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01301-00001                      | 0.32                  | 1.82                         | 0.26              | 0.44            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01289-00001                      | 0.33                  | 1.87                         | 0.29              | 0.48            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01278-00003                      | 0.32                  | 1.82                         | 0.17              | 0.24            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01302-00001                      | 0.32                  | 1.82                         | 0.17              | 0.24            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01290-00001                      | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01279-00003                      | 0.31                  | 1.76                         | 0.18              | 0.39            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01303-00001                      | 0.32                  | 1.82                         | 0.18              | 0.39            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01291-00001                      | 0.33                  | 1.87                         | 0.19              | 0.43            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01276-00003                      | 0.32                  | 1.82                         | 0.43              | 0.48            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01300-00001                      | 0.33                  | 1.87                         | 0.43              | 0.48            | 24        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01288-00001                      | 0.34                  | 1.93                         | 0.47              | 0.53            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01378-00003                      | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01390-00001                      | 0.29                  | 1.65                         | 0.26              | 0.43            | 19        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01384-00001                      | 0.28                  | 1.59                         | 0.28              | 0.47            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01379-00003                      | 0.27                  | 1.53                         | 0.17              | 0.38            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-2-01391-00001                      | 0.28                  | 1.59                         | 0.17              | 0.38            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01385-00001                      | 0.28                  | 1.59                         | 0.19              | 0.42            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |

| Andersen® Product Line & Product Type           | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |               |        |    |    |    |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|---------------|--------|----|----|----|---|
|   |   |  |  | U-Factor <sup>r</sup> | U-Factor <sup>r</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER              | North | N. Central S.            | Central South | Zone 1 |    |    |    |   |
| 400 Series Awning (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01377-00003                      | 0.28                  | 1.59                         | 0.39              | 0.47            | 28                     | < 0.2 | N                        | NC            | -      | -  | Z1 | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01389-00001                      | 0.29                  | 1.65                         | 0.39              | 0.47            | 26                     | < 0.2 | N                        | NC            | -      | -  | Z1 | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01383-00001                      | 0.28                  | 1.59                         | 0.43              | 0.52            | 30                     | < 0.2 | N                        | -             | -      | -  | Z1 | Z2 | - |
|   | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |                        |       |                          |               |        |    |    |    |   |
|   | Low-E4®   | No Grilles   | AND-N-2-01307-00001                      | 0.33                  | 1.87                         | 0.31              | 0.53            | 17                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01307-00002                      | 0.33                  | 1.87                         | 0.29              | 0.48            | 16                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01319-00001                      | 0.33                  | 1.87                         | 0.29              | 0.48            | 16                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01313-00001                      | 0.34                  | 1.93                         | 0.29              | 0.48            | 14                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | No Grilles   | AND-N-2-01308-00001                      | 0.33                  | 1.87                         | 0.20              | 0.29            | 10                     | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01308-00002                      | 0.33                  | 1.87                         | 0.18              | 0.27            | 9                      | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-2-01320-00001                      | 0.34                  | 1.93                         | 0.18              | 0.27            | 8                      | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01314-00001                      | 0.34                  | 1.93                         | 0.18              | 0.27            | 8                      | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | No Grilles   | AND-N-2-01309-00001                      | 0.32                  | 1.82                         | 0.21              | 0.47            | 12                     | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01309-00002                      | 0.32                  | 1.82                         | 0.19              | 0.43            | 11                     | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01321-00001                      | 0.33                  | 1.87                         | 0.19              | 0.43            | 10                     | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01315-00001                      | 0.33                  | 1.87                         | 0.19              | 0.43            | 10                     | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-2-01306-00001                      | 0.33                  | 1.87                         | 0.50              | 0.58            | 28                     | < 0.2 | -                        | -             | -      | Z1 | -  | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01306-00002                      | 0.33                  | 1.87                         | 0.46              | 0.53            | 25                     | < 0.2 | -                        | -             | -      | Z1 | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01318-00001                      | 0.34                  | 1.93                         | 0.46              | 0.53            | 24                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   | Low-E4® SmartSun™ w/ Heatlock™  | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01312-00001                      | 0.34                  | 1.93                         | 0.46              | 0.53            | 24                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | No Grilles   | AND-N-2-01393-00001                      | 0.28                  | 1.59                         | 0.30              | 0.51            | 22                     | < 0.2 | -                        | NC            | -      | -  | Z1 | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01393-00002                      | 0.28                  | 1.59                         | 0.28              | 0.47            | 21                     | < 0.2 | -                        | NC            | -      | -  | Z1 | -  | - |
|   | Low-E4®   | Full Divided Lite                                      | AND-N-2-01399-00001                      | 0.30                  | 1.70                         | 0.28              | 0.47            | 19                     | < 0.2 | -                        | NC            | -      | -  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01396-00001                      | 0.29                  | 1.65                         | 0.28              | 0.47            | 20                     | < 0.2 | -                        | NC            | -      | -  | -  | -  | - |
|   |   | No Grilles   | AND-N-2-01394-00001                      | 0.28                  | 1.59                         | 0.20              | 0.46            | 17                     | < 0.2 | -                        | NC            | SC     | S  | Z1 | -  | - |
|   | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01394-00002                      | 0.28                  | 1.59                         | 0.19              | 0.42            | 16                     | < 0.2 | -                        | NC            | SC     | S  | Z1 | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01400-00001                      | 0.29                  | 1.65                         | 0.19              | 0.42            | 15                     | < 0.2 | -                        | NC            | SC     | S  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01397-00001                      | 0.28                  | 1.59                         | 0.19              | 0.42            | 16                     | < 0.2 | -                        | NC            | SC     | S  | Z1 | -  | - |
|   | Low-E4® SmartSun™ w/ Heatlock™  | No Grilles   | AND-N-2-01392-00001                      | 0.29                  | 1.65                         | 0.46              | 0.57            | 30                     | < 0.2 | N                        | -             | -      | -  | Z1 | Z2 | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01392-00002                      | 0.29                  | 1.65                         | 0.42              | 0.51            | 28                     | < 0.2 | N                        | -             | -      | -  | Z1 | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01398-00001                      | 0.30                  | 1.70                         | 0.42              | 0.51            | 27                     | < 0.2 | N                        | -             | -      | -  | Z1 | -  | - |
|   | Low-E4®   | Finelight™ (grilles-between-the-glass)                 | AND-N-2-01395-00001                      | 0.29                  | 1.65                         | 0.42              | 0.51            | 28                     | < 0.2 | N                        | -             | -      | -  | Z1 | -  | - |
|   | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |                        |       |                          |               |        |    |    |    |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01307-00003                      | 0.33                  | 1.87                         | 0.26              | 0.43            | 14                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01325-00001                      | 0.33                  | 1.87                         | 0.26              | 0.43            | 14                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -             | -      | -  | -  | -  | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01308-00003                      | 0.33                  | 1.87                         | 0.17              | 0.24            | 9                      | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01326-00001                      | 0.33                  | 1.87                         | 0.17              | 0.24            | 9                      | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -             | -      | -  | -  | -  | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01309-00003                      | 0.32                  | 1.82                         | 0.18              | 0.39            | 10                     | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01327-00001                      | 0.33                  | 1.87                         | 0.18              | 0.39            | 9                      | < 0.2 | -                        | -             | -      | S  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -             | -      | -  | -  | -  | - |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01309-00003                      | 0.33                  | 1.87                         | 0.42              | 0.47            | 23                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01324-00001                      | 0.34                  | 1.93                         | 0.42              | 0.47            | 22                     | < 0.2 | -                        | -             | -      | -  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -             | -      | -  | -  | -  | - |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01393-00003                      | 0.28                  | 1.59                         | 0.25              | 0.42            | 19                     | < 0.2 | -                        | NC            | SC     | S  | Z1 | -  | - |
|   |   | Full Divided Lite                                      | AND-N-2-01402-00001                      | 0.30                  | 1.70                         | 0.25              | 0.42            | 17                     | < 0.2 | -                        | NC            | SC     | S  | -  | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a                    | -     | -                        | -             | -      | -  | -  | -  | - |

| Andersen® Product Line & Product Type           | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Awning (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01394-00003                      | 0.28                  | 1.59                         | 0.17              | 0.38            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-2-01403-00001                      | 0.29                  | 1.65                         | 0.17              | 0.38            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01392-00003                      | 0.29                  | 1.65                         | 0.38              | 0.46            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-2-01401-00001                      | 0.30                  | 1.70                         | 0.38              | 0.46            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-2-01307-00004                      | 0.33                  | 1.87                         | 0.31              | 0.53            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01307-00005                      | 0.33                  | 1.87                         | 0.29              | 0.48            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-2-01308-00004                      | 0.33                  | 1.87                         | 0.20              | 0.29            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01308-00005                      | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-2-01309-00004                      | 0.32                  | 1.82                         | 0.21              | 0.47            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01309-00005                      | 0.32                  | 1.82                         | 0.19              | 0.43            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-2-01306-00004                      | 0.33                  | 1.87                         | 0.50              | 0.58            | 28        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01306-00005                      | 0.33                  | 1.87                         | 0.46              | 0.53            | 25        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01307-00006                      | 0.33                  | 1.87                         | 0.26              | 0.43            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01308-00006                      | 0.33                  | 1.87                         | 0.17              | 0.24            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® Sun   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01309-00006                      | 0.32                  | 1.82                         | 0.18              | 0.39            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-2-01306-00006                      | 0.33                  | 1.87                         | 0.42              | 0.47            | 23        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Picture   | Low-E4®                          | No Grilles   | AND-N-54-01955-00001                     | 0.27                  | 1.53                         | 0.34              | 0.60            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01955-00002                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01961-00001                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-01973-00001                     | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-54-01956-00001                     | 0.27                  | 1.53                         | 0.21              | 0.33            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01956-00002                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01962-00001                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-01974-00001                     | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-54-01957-00001                     | 0.26                  | 1.48                         | 0.23              | 0.54            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01957-00002                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01963-00001                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-01975-00001                     | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-54-01954-00001                     | 0.28                  | 1.59                         | 0.57              | 0.66            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01954-00002                     | 0.28                  | 1.59                         | 0.51              | 0.59            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01960-00001                     | 0.28                  | 1.59                         | 0.51              | 0.59            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-54-01972-00001                     | 0.29                  | 1.65                         | 0.51              | 0.59            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-54-02155-00001                     | 0.22                  | 1.25                         | 0.34              | 0.58            | 32        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02155-00002                     | 0.22                  | 1.25                         | 0.31              | 0.52            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02158-00001                     | 0.22                  | 1.25                         | 0.31              | 0.52            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-02164-00001                     | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-54-02156-00001                     | 0.22                  | 1.25                         | 0.22              | 0.52            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02156-00002                     | 0.22                  | 1.25                         | 0.20              | 0.47            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02159-00001                     | 0.22                  | 1.25                         | 0.20              | 0.47            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-02165-00001                     | 0.24                  | 1.36                         | 0.20              | 0.47            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-54-02154-00001                     | 0.23                  | 1.31                         | 0.52              | 0.64            | 41        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02154-00002                     | 0.23                  | 1.31                         | 0.47              | 0.57            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02157-00001                     | 0.23                  | 1.31                         | 0.47              | 0.57            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-54-02163-00001                     | 0.25                  | 1.42                         | 0.47              | 0.57            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Picture   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01955-00003                     | 0.27                  | 1.53                         | 0.28              | 0.47            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01967-00001                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-01979-00001                     | 0.28                  | 1.59                         | 0.28              | 0.47            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01956-00003                     | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01968-00001                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01980-00001                     | 0.28                  | 1.59                         | 0.17              | 0.26            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01957-00003                     | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01969-00001                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-54-01981-00001                     | 0.27                  | 1.53                         | 0.19              | 0.43            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01954-00003                     | 0.28                  | 1.59                         | 0.46              | 0.52            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01966-00001                     | 0.28                  | 1.59                         | 0.51              | 0.59            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-54-01978-00001                     | 0.29                  | 1.65                         | 0.46              | 0.52            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02155-00003                     | 0.22                  | 1.25                         | 0.27              | 0.46            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02161-00001                     | 0.22                  | 1.25                         | 0.31              | 0.52            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-02167-00001                     | 0.25                  | 1.42                         | 0.27              | 0.46            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02156-00003                     | 0.22                  | 1.25                         | 0.18              | 0.42            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02162-00001                     | 0.22                  | 1.25                         | 0.20              | 0.47            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-02168-00001                     | 0.24                  | 1.36                         | 0.18              | 0.42            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number |       |            |            |       | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |  |  |
|---------------------------------------|---|---|--|-------|------------|------------|-------|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|--|--|
|                                       |   |   |  | North | N. Central | S. Central | South |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |  |  |
| 400 Series Picture                    | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-02154-00003                     | 0.23  | 1.31       | 0.42       | 0.51  | 35                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-02160-00001                     | 0.23  | 1.31       | 0.47       | 0.57  | 38                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-02166-00001                     | 0.25  | 1.42       | 0.42       | 0.51  | 33                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |       |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |  |  |
|                                       | Low-E4®   | No Grilles  | AND-N-54-01925-00019                     | 0.26  | 1.48       | 0.34       | 0.59  | 27                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01925-00020                     | 0.26  | 1.48       | 0.31       | 0.53  | 25                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01931-00007                     | 0.26  | 1.48       | 0.31       | 0.53  | 25                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01943-00007                     | 0.28  | 1.59       | 0.31       | 0.53  | 23                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       | Low-E4® Sun   | No Grilles  | AND-N-54-01926-00019                     | 0.27  | 1.53       | 0.21       | 0.32  | 18                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01926-00020                     | 0.27  | 1.53       | 0.19       | 0.29  | 17                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01932-00007                     | 0.27  | 1.53       | 0.19       | 0.29  | 17                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01944-00007                     | 0.28  | 1.59       | 0.19       | 0.29  | 16                    | < 0.2                        | -                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       | Low-E4® SmartSun™   | No Grilles  | AND-N-54-01927-00019                     | 0.26  | 1.48       | 0.23       | 0.53  | 21                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01927-00020                     | 0.26  | 1.48       | 0.21       | 0.48  | 20                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01933-00007                     | 0.26  | 1.48       | 0.21       | 0.48  | 20                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01945-00007                     | 0.27  | 1.53       | 0.21       | 0.48  | 18                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       | Low-E4® PassiveSun®   | No Grilles  | AND-N-54-01924-00019                     | 0.27  | 1.53       | 0.56       | 0.65  | 39                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01924-00020                     | 0.27  | 1.53       | 0.50       | 0.58  | 35                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01930-00007                     | 0.27  | 1.53       | 0.50       | 0.58  | 35                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01942-00007                     | 0.29  | 1.65       | 0.50       | 0.58  | 33                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-54-02140-00007                     | 0.22  | 1.25       | 0.33       | 0.58  | 31                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-02140-00008                     | 0.22  | 1.25       | 0.30       | 0.52  | 30                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-02143-00003                     | 0.22  | 1.25       | 0.30       | 0.52  | 30                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-02149-00003                     | 0.24  | 1.36       | 0.30       | 0.52  | 27                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       | Low-E4® SmartSun™ w/ Heatlock™                                | No Grilles  | AND-N-54-02141-00007                     | 0.22  | 1.25       | 0.22       | 0.52  | 25                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-02141-00008                     | 0.22  | 1.25       | 0.20       | 0.47  | 24                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-02144-00003                     | 0.22  | 1.25       | 0.20       | 0.47  | 24                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-02150-00003                     | 0.24  | 1.36       | 0.20       | 0.47  | 22                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | Z2     | -                        |  |  |
|                                       | Low-E4® PassiveSun® w/ Heatlock™                              | No Grilles  | AND-N-54-02139-00007                     | 0.23  | 1.31       | 0.50       | 0.64  | 40                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-02139-00008                     | 0.23  | 1.31       | 0.45       | 0.57  | 37                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-02142-00003                     | 0.23  | 1.31       | 0.45       | 0.57  | 37                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-02148-00003                     | 0.25  | 1.42       | 0.45       | 0.57  | 35                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |       |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |  |  |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01925-00021                     | 0.26  | 1.48       | 0.28       | 0.47  | 24                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01937-00007                     | 0.28  | 1.59       | 0.31       | 0.53  | 23                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01949-00007                     | 0.28  | 1.59       | 0.28       | 0.47  | 21                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | Z1                     | -      | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01926-00021                     | 0.27  | 1.53       | 0.17       | 0.26  | 16                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01938-00007                     | 0.28  | 1.59       | 0.19       | 0.29  | 16                    | < 0.2                        | -                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01950-00007                     | 0.28  | 1.59       | 0.17       | 0.26  | 15                    | < 0.2                        | -                 | NC              | SC        | S                | S          | S          | S     | -                      | -      | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01927-00021                     | 0.26  | 1.48       | 0.19       | 0.42  | 18                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01939-00007                     | 0.27  | 1.53       | 0.21       | 0.48  | 18                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-54-01951-00007                     | 0.27  | 1.53       | 0.19       | 0.42  | 17                    | < 0.2                        | N                 | NC              | SC        | S                | S          | S          | S     | Z1                     | -      | -                        |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-01924-00021                     | 0.27  | 1.53       | 0.45       | 0.52  | 32                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-01936-00007                     | 0.28  | 1.59       | 0.50       | 0.58  | 34                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | Z3                       |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-01948-00007                     | 0.28  | 1.59       | 0.45       | 0.52  | 31                    | < 0.2                        | N                 | -               | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-54-02140-00009                     | 0.22  | 1.25       | 0.27       | 0.46  | 28                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-54-02146-00003                     | 0.23  | 1.31       | 0.30       | 0.52  | 28                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |
|                                       |   | Full Divided Lite   | AND-N-54-02152-00003                     | 0.24  | 1.36       | 0.27       | 0.46  | 26                    | < 0.2                        | N                 | NC              | -         | -                | -          | -          | -     | Z1                     | Z2     | -                        |  |  |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |            | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |        |        |    |
|---------------------------------------|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|------------|------------------------|-------|--------------------------|--------|--------|----|
|                                       |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central             | South | Zone 1                   | Zone 2 | Zone 3 |    |
| 400 Series Picture                    | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02141-00009                     | 0.22                  | 1.25                         | 0.18              | 0.41            | 23        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | Z2     | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02147-00003                     | 0.23                  | 1.31                         | 0.20              | 0.47            | 23        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | Z2     | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-02153-00003                     | 0.24                  | 1.36                         | 0.18              | 0.41            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | Z2     | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02139-00009                     | 0.23                  | 1.31                         | 0.41              | 0.51            | 35        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | Z3 |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02145-00003                     | 0.24                  | 1.36                         | 0.45              | 0.57            | 36        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | Z3 |
|                                       |   | Full Divided Lite                                      | AND-N-54-02151-00003                     | 0.25                  | 1.42                         | 0.41              | 0.51            | 32        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |    |
|                                       | Low-E4®   | No Grilles   | AND-N-54-01955-00004                     | 0.27                  | 1.53                         | 0.34              | 0.60            | 26        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01955-00005                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01961-00005                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01973-00005                     | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2 | -          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       | Low-E4® Sun   | No Grilles   | AND-N-54-01956-00004                     | 0.27                  | 1.53                         | 0.21              | 0.33            | 18        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01956-00005                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01962-00005                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01974-00005                     | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2 | -          | NC                     | SC    | S                        | -      | -      | -  |
|                                       |   | No Grilles   | AND-N-54-01957-00004                     | 0.26                  | 1.48                         | 0.23              | 0.54            | 21        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01957-00005                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01963-00005                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01975-00005                     | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2 | -          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | No Grilles   | AND-N-54-01954-00004                     | 0.28                  | 1.59                         | 0.57              | 0.66            | 38        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | Z3 |
|                                       | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01954-00005                     | 0.28                  | 1.59                         | 0.51              | 0.59            | 34        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | Z3 |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01960-00005                     | 0.28                  | 1.59                         | 0.48              | 0.59            | 33        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01972-00005                     | 0.29                  | 1.65                         | 0.48              | 0.59            | 31        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|                                       |   | No Grilles   | AND-N-54-01954-00004                     | 0.28                  | 1.59                         | 0.57              | 0.66            | 38        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | Z3 |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |    |
| 400 Series Picture                    | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01955-00006                     | 0.27                  | 1.53                         | 0.28              | 0.47            | 22        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01967-00005                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01979-00005                     | 0.28                  | 1.59                         | 0.28              | 0.47            | 21        | < 0.2 | -          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01956-00006                     | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01968-00005                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01980-00005                     | 0.28                  | 1.59                         | 0.17              | 0.26            | 15        | < 0.2 | -          | NC                     | SC    | S                        | -      | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01957-00006                     | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01969-00005                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       | Low-E4® PassiveSun®   | Full Divided Lite                                      | AND-N-54-01981-00005                     | 0.27                  | 1.53                         | 0.19              | 0.43            | 17        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01954-00006                     | 0.28                  | 1.59                         | 0.46              | 0.52            | 32        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01966-00005                     | 0.28                  | 1.59                         | 0.48              | 0.59            | 33        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01978-00005                     | 0.29                  | 1.65                         | 0.43              | 0.52            | 29        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|                                       | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |    |
| 400 Series Picture                    | Low-E4®   | No Grilles   | AND-N-54-01925-00022                     | 0.26                  | 1.48                         | 0.34              | 0.59            | 27        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01925-00023                     | 0.26                  | 1.48                         | 0.31              | 0.53            | 25        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01931-00008                     | 0.26                  | 1.48                         | 0.31              | 0.53            | 25        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01943-00008                     | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2 | -          | NC                     | -     | -                        | Z1     | -      | -  |
|                                       | Low-E4® Sun   | No Grilles   | AND-N-54-01926-00022                     | 0.27                  | 1.53                         | 0.21              | 0.32            | 18        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01926-00023                     | 0.27                  | 1.53                         | 0.19              | 0.29            | 17        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01932-00008                     | 0.27                  | 1.53                         | 0.19              | 0.29            | 17        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01944-00008                     | 0.28                  | 1.59                         | 0.19              | 0.29            | 16        | < 0.2 | -          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       | Low-E4® SmartSun™   | No Grilles   | AND-N-54-01927-00022                     | 0.26                  | 1.48                         | 0.23              | 0.53            | 21        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01927-00023                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01933-00008                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01945-00008                     | 0.27                  | 1.53                         | 0.21              | 0.48            | 18        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |    |  |  |
|---------------------------------------|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|----|--|--|
|                                       |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |    |  |  |
| 400 Series Picture                    | Low-E4® PassiveSun®   | No Grilles   | AND-N-54-01924-00022                     | 0.27                  | 1.53                         | 0.52              | 0.65            | 36        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01924-00023                     | 0.27                  | 1.53                         | 0.47              | 0.58            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01930-00008                     | 0.27                  | 1.53                         | 0.47              | 0.58            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01942-00008                     | 0.29                  | 1.65                         | 0.47              | 0.58            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|                                       | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |  |  |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01925-00024                     | 0.26                  | 1.48                         | 0.28              | 0.47            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01937-00008                     | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01949-00008                     | 0.28                  | 1.59                         | 0.28              | 0.47            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|                                       | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01926-00024                     | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01938-00008                     | 0.28                  | 1.59                         | 0.19              | 0.29            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01950-00008                     | 0.28                  | 1.59                         | 0.17              | 0.26            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|                                       | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01927-00024                     | 0.26                  | 1.48                         | 0.19              | 0.42            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01939-00008                     | 0.27                  | 1.53                         | 0.21              | 0.48            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01951-00008                     | 0.27                  | 1.53                         | 0.19              | 0.42            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|                                       | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01924-00024                     | 0.27                  | 1.53                         | 0.42              | 0.52            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01936-00008                     | 0.28                  | 1.59                         | 0.47              | 0.58            | 32        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|                                       |   | Full Divided Lite                                      | AND-N-54-01948-00008                     | 0.28                  | 1.59                         | 0.42              | 0.52            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |          |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|----------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  |                          |          |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |          |
| 400 Series Picture (w/ Capillary Breather Tubes)                                   | Low-E4®                          | No Grilles   | AND-N-54-01811-00001                     | 0.30                  | 1.70                         | 0.35              | 0.60            | 23        | < 0.2            | -          | NC         | -                      | -                        | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01811-00002                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -                      | -                        | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01817-00001                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -                      | -                        | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-01829-00001                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -                      | -                        | -        |
|  | Low-E4® Sun                      | No Grilles   | AND-N-54-01812-00001                     | 0.31                  | 1.76                         | 0.21              | 0.33            | 13        | < 0.2            | -          | -          | S                      | -                        | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01812-00002                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | S                      | -                        | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01818-00001                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | S                      | -                        | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-01830-00001                     | 0.33                  | 1.87                         | 0.20              | 0.30            | 10        | < 0.2            | -          | -          | S                      | -                        | -        |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-54-01813-00001                     | 0.30                  | 1.70                         | 0.23              | 0.54            | 16        | < 0.2            | -          | NC         | SC                     | S                        | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01813-00002                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01819-00001                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-01831-00001                     | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2            | -          | -          | S                      | -                        | -        |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-54-01810-00001                     | 0.31                  | 1.76                         | 0.57              | 0.66            | 34        | < 0.2            | -          | -          | -                      | Z1                       | Z2 Z3    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01810-00002                     | 0.31                  | 1.76                         | 0.51              | 0.59            | 31        | < 0.2            | -          | -          | -                      | Z1                       | Z2 -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01816-00001                     | 0.31                  | 1.76                         | 0.51              | 0.59            | 31        | < 0.2            | -          | -          | -                      | Z1                       | Z2 -     |
|  |                                  | Full Divided Lite                                      | AND-N-54-01828-00001                     | 0.33                  | 1.87                         | 0.51              | 0.59            | 28        | < 0.2            | -          | -          | -                      | Z1                       | -        |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-54-02083-00001                     | 0.25                  | 1.42                         | 0.34              | 0.58            | 28        | < 0.2            | N          | NC         | -                      | Z1                       | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02083-00002                     | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -                      | Z1                       | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02086-00001                     | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -                      | Z1                       | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-02092-00001                     | 0.27                  | 1.53                         | 0.31              | 0.52            | 24        | < 0.2            | N          | NC         | -                      | Z1                       | -        |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-54-02084-00001                     | 0.24                  | 1.36                         | 0.23              | 0.52            | 23        | < 0.2            | N          | NC         | SC                     | S                        | Z1 Z2 -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02084-00002                     | 0.24                  | 1.36                         | 0.20              | 0.47            | 22        | < 0.2            | N          | NC         | SC                     | S                        | Z1 Z2 -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02087-00001                     | 0.24                  | 1.36                         | 0.20              | 0.47            | 22        | < 0.2            | N          | NC         | SC                     | S                        | Z1 Z2 -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-02093-00001                     | 0.27                  | 1.53                         | 0.20              | 0.47            | 18        | < 0.2            | N          | NC         | SC                     | S                        | Z1 -     |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-54-02082-00001                     | 0.25                  | 1.42                         | 0.52              | 0.64            | 39        | < 0.2            | N          | -          | -                      | -                        | Z1 Z2 Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02082-00002                     | 0.25                  | 1.42                         | 0.47              | 0.57            | 36        | < 0.2            | N          | -          | -                      | -                        | Z1 Z2 Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02085-00001                     | 0.25                  | 1.42                         | 0.47              | 0.57            | 36        | < 0.2            | N          | -          | -                      | -                        | Z1 Z2 Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-54-02091-00001                     | 0.28                  | 1.59                         | 0.47              | 0.57            | 32        | < 0.2            | N          | -          | -                      | -                        | Z1 Z2 -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |          |
| 400 Series Picture (w/ Capillary Breather Tubes)                                   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01811-00003                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -                      | -                        | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01823-00001                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -                      | -                        | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-01835-00001                     | 0.32                  | 1.82                         | 0.28              | 0.47            | 16        | < 0.2            | -          | -          | -                      | -                        | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01812-00003                     | 0.31                  | 1.76                         | 0.18              | 0.26            | 12        | < 0.2            | -          | -          | S                      | -                        | -        |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01824-00001                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | S                      | -                        | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-01836-00001                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10        | < 0.2            | -          | -          | S                      | -                        | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01813-00003                     | 0.30                  | 1.70                         | 0.19              | 0.43            | 14        | < 0.2            | -          | NC         | SC                     | S                        | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01825-00001                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -        |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-54-01837-00001                     | 0.31                  | 1.76                         | 0.19              | 0.43            | 12        | < 0.2            | -          | -          | S                      | -                        | -        |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01810-00003                     | 0.31                  | 1.76                         | 0.46              | 0.52            | 28        | < 0.2            | -          | -          | -                      | Z1                       | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01822-00001                     | 0.31                  | 1.76                         | 0.51              | 0.59            | 31        | < 0.2            | -          | -          | -                      | Z1 Z2                    | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-01834-00001                     | 0.32                  | 1.82                         | 0.46              | 0.52            | 27        | < 0.2            | -          | -          | -                      | Z1                       | -        |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02083-00003                     | 0.25                  | 1.42                         | 0.28              | 0.46            | 25        | < 0.2            | N          | NC         | -                      | Z1                       | -        |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02089-00001                     | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -                      | Z1                       | -        |
|  |                                  | Full Divided Lite                                      | AND-N-54-02095-00001                     | 0.27                  | 1.53                         | 0.28              | 0.46            | 22        | < 0.2            | N          | NC         | SC                     | S                        | Z1 Z2 -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02084-00003                     | 0.24                  | 1.36                         | 0.19              | 0.42            | 21        | < 0.2            | N          | NC         | SC                     | S                        | Z1 Z2 -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02090-00001                     | 0.24                  | 1.36                         | 0.20              | 0.47            | 22        | < 0.2            | N          | NC         | SC                     | S                        | Z1 Z2 -  |
|  |                                  | Full Divided Lite                                      | AND-N-54-02096-00001                     | 0.27                  | 1.53                         | 0.19              | 0.42            | 17        | < 0.2            | N          | NC         | SC                     | S                        | Z1 -     |

| Andersen® Product Line & Product Type            | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |            |       |    |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|------------|-------|----|
|  |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER              | North | N. Central               | S. Central | South |    |
| 400 Series Picture (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02082-00003                     | 0.25                  | 1.42                         | 0.42              | 0.51            | 33                     | < 0.2 | N                        | -          | -     | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02088-00001                     | 0.25                  | 1.42                         | 0.47              | 0.57            | 36                     | < 0.2 | N                        | -          | -     | -  |
|  |   | Full Divided Lite                                      | AND-N-54-02094-00001                     | 0.28                  | 1.59                         | 0.42              | 0.51            | 29                     | < 0.2 | N                        | -          | -     | -  |
|  | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|  | Low-E4®   | No Grilles   | AND-N-54-01781-00019                     | 0.30                  | 1.70                         | 0.34              | 0.59            | 22                     | < 0.2 | -                        | NC         | -     | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01781-00020                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20                     | < 0.2 | -                        | NC         | -     | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01787-00007                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20                     | < 0.2 | -                        | NC         | -     | -  |
|  | Low-E4® Sun   | Full Divided Lite                                      | AND-N-54-01799-00007                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18                     | < 0.2 | -                        | -          | -     | -  |
|  |   | No Grilles   | AND-N-54-01782-00019                     | 0.31                  | 1.76                         | 0.21              | 0.32            | 13                     | < 0.2 | -                        | -          | S     | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01782-00020                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12                     | < 0.2 | -                        | -          | S     | -  |
|  | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01788-00007                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12                     | < 0.2 | -                        | -          | S     | -  |
|  |   | Full Divided Lite                                      | AND-N-54-01800-00007                     | 0.32                  | 1.82                         | 0.19              | 0.29            | 11                     | < 0.2 | -                        | -          | S     | -  |
|  |   | No Grilles   | AND-N-54-01783-00019                     | 0.30                  | 1.70                         | 0.23              | 0.53            | 16                     | < 0.2 | -                        | NC         | SC    | S  |
|  | Low-E4® PassiveSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01783-00020                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15                     | < 0.2 | -                        | NC         | SC    | S  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01789-00007                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15                     | < 0.2 | -                        | NC         | SC    | S  |
|  |   | Full Divided Lite                                      | AND-N-54-01801-00007                     | 0.31                  | 1.76                         | 0.21              | 0.48            | 13                     | < 0.2 | -                        | -          | S     | -  |
|  | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-54-01780-00019                     | 0.31                  | 1.76                         | 0.55              | 0.65            | 33                     | < 0.2 | -                        | -          | -     | Z1 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01780-00020                     | 0.31                  | 1.76                         | 0.50              | 0.58            | 30                     | < 0.2 | -                        | -          | -     | Z1 |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01786-00007                     | 0.31                  | 1.76                         | 0.50              | 0.58            | 30                     | < 0.2 | -                        | -          | -     | Z1 |
|  | Low-E4® w/ Heatlock™  | Full Divided Lite                                      | AND-N-54-01798-00007                     | 0.32                  | 1.82                         | 0.50              | 0.58            | 29                     | < 0.2 | -                        | -          | -     | Z1 |
|  |   | No Grilles   | AND-N-54-02068-00007                     | 0.25                  | 1.42                         | 0.33              | 0.58            | 28                     | < 0.2 | N                        | NC         | -     | Z1 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02068-00008                     | 0.25                  | 1.42                         | 0.30              | 0.52            | 26                     | < 0.2 | N                        | NC         | -     | Z1 |
|  | Low-E4® SmartSun™ w/ Heatlock™  | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02071-00003                     | 0.25                  | 1.42                         | 0.30              | 0.52            | 26                     | < 0.2 | N                        | NC         | -     | Z1 |
|  |   | Full Divided Lite                                      | AND-N-54-02077-00003                     | 0.27                  | 1.53                         | 0.30              | 0.52            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|  |   | No Grilles   | AND-N-54-02069-00007                     | 0.24                  | 1.36                         | 0.23              | 0.52            | 23                     | < 0.2 | N                        | NC         | SC    | S  |
|  | Low-E4® PassiveSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02069-00008                     | 0.24                  | 1.36                         | 0.21              | 0.47            | 22                     | < 0.2 | N                        | NC         | SC    | S  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02072-00003                     | 0.24                  | 1.36                         | 0.21              | 0.47            | 22                     | < 0.2 | N                        | NC         | SC    | S  |
|  |   | Full Divided Lite                                      | AND-N-54-02078-00003                     | 0.27                  | 1.53                         | 0.21              | 0.47            | 18                     | < 0.2 | N                        | NC         | SC    | S  |
|  | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-54-02067-00007                     | 0.25                  | 1.42                         | 0.50              | 0.64            | 38                     | < 0.2 | N                        | -          | -     | Z1 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02067-00008                     | 0.25                  | 1.42                         | 0.45              | 0.57            | 35                     | < 0.2 | N                        | -          | -     | Z1 |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02070-00003                     | 0.25                  | 1.42                         | 0.45              | 0.57            | 35                     | < 0.2 | N                        | -          | -     | Z1 |
|  | Low-E4® w/ Heatlock™  | Full Divided Lite                                      | AND-N-54-02076-00003                     | 0.28                  | 1.59                         | 0.45              | 0.57            | 31                     | < 0.2 | N                        | -          | -     | Z1 |
|  | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01781-00021                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 19                     | < 0.2 | -                        | NC         | -     | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01793-00007                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18                     | < 0.2 | -                        | -          | -     | -  |
|  |   | Full Divided Lite                                      | AND-N-54-01805-00007                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17                     | < 0.2 | -                        | -          | -     | -  |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01782-00021                     | 0.31                  | 1.76                         | 0.18              | 0.26            | 12                     | < 0.2 | -                        | -          | S     | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01794-00007                     | 0.32                  | 1.82                         | 0.19              | 0.29            | 11                     | < 0.2 | -                        | -          | S     | -  |
|  |   | Full Divided Lite                                      | AND-N-54-01806-00007                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10                     | < 0.2 | -                        | -          | S     | -  |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01783-00021                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 14                     | < 0.2 | -                        | NC         | SC    | S  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01795-00007                     | 0.31                  | 1.76                         | 0.21              | 0.48            | 13                     | < 0.2 | -                        | -          | S     | -  |
|  |   | Full Divided Lite                                      | AND-N-54-01807-00007                     | 0.31                  | 1.76                         | 0.19              | 0.42            | 12                     | < 0.2 | -                        | -          | S     | -  |
|  | Low-E4® PassiveSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01784-00021                     | 0.31                  | 1.76                         | 0.45              | 0.52            | 27                     | < 0.2 | -                        | -          | -     | Z1 |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01792-00007                     | 0.32                  | 1.82                         | 0.50              | 0.58            | 29                     | < 0.2 | -                        | -          | -     | Z1 |
|  |   | Full Divided Lite                                      | AND-N-54-01804-00007                     | 0.32                  | 1.82                         | 0.45              | 0.52            | 26                     | < 0.2 | -                        | -          | -     | Z1 |
|  | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02068-00009                     | 0.25                  | 1.42                         | 0.27              | 0.46            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02074-00003                     | 0.26                  | 1.48                         | 0.30              | 0.52            | 25                     | < 0.2 | N                        | NC         | -     | Z1 |
|  |   | Full Divided Lite                                      | AND-N-54-02080-00003                     | 0.27                  | 1.53                         | 0.27              | 0.46            | 22                     | < 0.2 | N                        | NC         | -     | Z1 |

| Andersen® Product Line & Product Type            | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |   |
| 400 Series Picture (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02069-00009                     | 0.24                  | 1.36                         | 0.19              | 0.41            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | - |   |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02075-00003                     | 0.26                  | 1.48                         | 0.21              | 0.47            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | - |   |   |
|  |   | Full Divided Lite                                      | AND-N-54-02081-00003                     | 0.27                  | 1.53                         | 0.19              | 0.41            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | - |   |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-02067-00009                     | 0.25                  | 1.42                         | 0.41              | 0.51            | 32        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-02073-00003                     | 0.26                  | 1.48                         | 0.45              | 0.57            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |   |
|  |   | Full Divided Lite                                      | AND-N-54-02079-00003                     | 0.28                  | 1.59                         | 0.41              | 0.51            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |   |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |   |
|  | Low-E4®   | No Grilles   | AND-N-54-01811-00004                     | 0.30                  | 1.70                         | 0.35              | 0.60            | 23        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01811-00005                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01817-00005                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01829-00005                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-54-01812-00004                     | 0.31                  | 1.76                         | 0.21              | 0.33            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01812-00005                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01818-00005                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01830-00005                     | 0.33                  | 1.87                         | 0.20              | 0.30            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-54-01813-00004                     | 0.30                  | 1.70                         | 0.23              | 0.54            | 16        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01813-00005                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01819-00005                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01831-00005                     | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  | Low-E4® PassiveSun®   | No Grilles   | AND-N-54-01810-00004                     | 0.31                  | 1.76                         | 0.57              | 0.66            | 34        | < 0.2            | -          | -          | -     | Z1                     | Z2     | Z3                       | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01810-00005                     | 0.31                  | 1.76                         | 0.51              | 0.59            | 31        | < 0.2            | -          | -          | -     | Z1                     | Z2     | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01816-00005                     | 0.31                  | 1.76                         | 0.48              | 0.59            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2     | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01828-00005                     | 0.33                  | 1.87                         | 0.48              | 0.59            | 27        | < 0.2            | -          | -          | -     | Z1                     | -      | -                        | - | - | - |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01811-00006                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01823-00005                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01835-00005                     | 0.32                  | 1.82                         | 0.28              | 0.47            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01812-00006                     | 0.31                  | 1.76                         | 0.18              | 0.26            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01824-00005                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01836-00005                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01813-00006                     | 0.30                  | 1.70                         | 0.19              | 0.43            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01825-00005                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-54-01837-00005                     | 0.31                  | 1.76                         | 0.19              | 0.43            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01810-00006                     | 0.31                  | 1.76                         | 0.46              | 0.52            | 28        | < 0.2            | -          | -          | -     | Z1                     | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01822-00005                     | 0.31                  | 1.76                         | 0.48              | 0.59            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2     | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01834-00005                     | 0.32                  | 1.82                         | 0.43              | 0.52            | 25        | < 0.2            | -          | -          | -     | Z1                     | -      | -                        | - | - | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |   |
|  | Low-E4®   | No Grilles   | AND-N-54-01781-00022                     | 0.30                  | 1.70                         | 0.34              | 0.59            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01781-00023                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01787-00008                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01799-00008                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-54-01782-00022                     | 0.31                  | 1.76                         | 0.21              | 0.32            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01782-00023                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01788-00008                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01800-00008                     | 0.32                  | 1.82                         | 0.19              | 0.29            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-54-01783-00022                     | 0.30                  | 1.70                         | 0.23              | 0.53            | 16        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01783-00023                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01789-00008                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01801-00008                     | 0.31                  | 1.76                         | 0.21              | 0.48            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - | - |

| Andersen® Product Line & Product Type            | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series Picture (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®   | No Grilles   | AND-N-54-01780-00022                     | 0.31                  | 1.76                         | 0.52              | 0.65            | 31        | < 0.2            | -          | -          | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01780-00023                     | 0.31                  | 1.76                         | 0.47              | 0.58            | 28        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01786-00008                     | 0.31                  | 1.76                         | 0.47              | 0.58            | 28        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite                                      | AND-N-54-01798-00008                     | 0.32                  | 1.82                         | 0.47              | 0.58            | 27        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01781-00024                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01793-00008                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01805-00008                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01782-00024                     | 0.31                  | 1.76                         | 0.18              | 0.26            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01794-00008                     | 0.32                  | 1.82                         | 0.19              | 0.29            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01806-00008                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01783-00024                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01795-00008                     | 0.31                  | 1.76                         | 0.21              | 0.48            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-54-01807-00008                     | 0.31                  | 1.76                         | 0.19              | 0.42            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-54-01780-00024                     | 0.31                  | 1.76                         | 0.42              | 0.52            | 26        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-54-01792-00008                     | 0.32                  | 1.82                         | 0.47              | 0.58            | 27        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite                                      | AND-N-54-01804-00008                     | 0.32                  | 1.82                         | 0.42              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |

| Andersen®<br>Product Line &<br>Product Type                        | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration | U.S.<br>ENERGY<br>STAR<br>v 6.0 |            |            | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |        |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|---------------------------------|------------|------------|-----------------------------------|--------|--------|--------|
|  |  |  |  |                       |                                 |                   |                 |           |                  | North                           | N. Central | S. Central | South                             | Zone 1 | Zone 2 | Zone 3 |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame               | Low-E4®                                | No Grilles   | AND-N-24-02067-00001                           | 0.30                  | 1.70                            | 0.31              | 0.53            | 19        | < 0.2            | -                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02067-00002                           | 0.30                  | 1.70                            | 0.28              | 0.48            | 18        | < 0.2            | -                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02073-00001                           | 0.30                  | 1.70                            | 0.28              | 0.48            | 18        | < 0.2            | -                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02085-00001                           | 0.31                  | 1.76                            | 0.28              | 0.48            | 16        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>Sun                         | No Grilles   | AND-N-24-02068-00001                           | 0.30                  | 1.70                            | 0.19              | 0.30            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02068-00002                           | 0.30                  | 1.70                            | 0.17              | 0.26            | 11        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02074-00001                           | 0.30                  | 1.70                            | 0.17              | 0.26            | 11        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02086-00001                           | 0.31                  | 1.76                            | 0.17              | 0.26            | 10        | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | No Grilles   | AND-N-24-02069-00001                           | 0.29                  | 1.65                            | 0.21              | 0.48            | 15        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02069-00002                           | 0.29                  | 1.65                            | 0.19              | 0.43            | 14        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02075-00001                           | 0.29                  | 1.65                            | 0.19              | 0.43            | 14        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02087-00001                           | 0.30                  | 1.70                            | 0.19              | 0.43            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>PassiveSun®                 | No Grilles   | AND-N-24-02066-00001                           | 0.30                  | 1.70                            | 0.52              | 0.59            | 32        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02066-00002                           | 0.30                  | 1.70                            | 0.46              | 0.52            | 28        | < 0.2            | N                               | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02072-00001                           | 0.30                  | 1.70                            | 0.46              | 0.52            | 28        | < 0.2            | N                               | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02084-00001                           | 0.31                  | 1.76                            | 0.46              | 0.52            | 27        | < 0.2            | -                               | -          | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>w/ Heatlock™                | No Grilles   | AND-N-24-02168-00001                           | 0.26                  | 1.48                            | 0.31              | 0.52            | 24        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02168-00002                           | 0.26                  | 1.48                            | 0.27              | 0.46            | 22        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02171-00001                           | 0.26                  | 1.48                            | 0.27              | 0.46            | 22        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02177-00001                           | 0.28                  | 1.59                            | 0.27              | 0.46            | 20        | < 0.2            | -                               | NC         | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | No Grilles   | AND-N-24-02169-00001                           | 0.25                  | 1.42                            | 0.20              | 0.47            | 19        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02169-00002                           | 0.25                  | 1.42                            | 0.18              | 0.42            | 18        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02172-00001                           | 0.25                  | 1.42                            | 0.18              | 0.42            | 18        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02178-00001                           | 0.27                  | 1.53                            | 0.18              | 0.42            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | No Grilles   | AND-N-24-02167-00001                           | 0.26                  | 1.48                            | 0.47              | 0.58            | 34        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02167-00002                           | 0.26                  | 1.48                            | 0.42              | 0.51            | 31        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02170-00001                           | 0.26                  | 1.48                            | 0.42              | 0.51            | 31        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02176-00001                           | 0.28                  | 1.59                            | 0.42              | 0.51            | 28        | < 0.2            | N                               | -          | -          | -                                 | Z1     | -      | -      |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame               | Low-E4®                                | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02067-00003                           | 0.30                  | 1.70                            | 0.25              | 0.42            | 16        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02079-00001                           | 0.31                  | 1.76                            | 0.28              | 0.48            | 16        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02091-00001                           | 0.30                  | 1.70                            | 0.25              | 0.42            | 16        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02068-00003                           | 0.30                  | 1.70                            | 0.16              | 0.23            | 11        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>Sun                         | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02068-00001                           | 0.32                  | 1.82                            | 0.17              | 0.26            | 9         | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02080-00001                           | 0.32                  | 1.82                            | 0.17              | 0.26            | 9         | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02092-00001                           | 0.31                  | 1.76                            | 0.16              | 0.23            | 10        | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02069-00003                           | 0.29                  | 1.65                            | 0.17              | 0.38            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02081-00001                           | 0.31                  | 1.76                            | 0.19              | 0.43            | 11        | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02093-00001                           | 0.30                  | 1.70                            | 0.17              | 0.38            | 11        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02066-00003                           | 0.30                  | 1.70                            | 0.41              | 0.46            | 25        | < 0.2            | -                               | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02078-00001                           | 0.32                  | 1.82                            | 0.46              | 0.52            | 26        | < 0.2            | -                               | -          | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>w/ Heatlock™                | Full Divided Lite                                      | AND-N-24-02090-00001                           | 0.31                  | 1.76                            | 0.41              | 0.46            | 24        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02168-00003                           | 0.26                  | 1.48                            | 0.25              | 0.41            | 21        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02174-00001                           | 0.27                  | 1.53                            | 0.27              | 0.46            | 21        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02180-00001                           | 0.28                  | 1.59                            | 0.25              | 0.41            | 18        | < 0.2            | -                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02169-00003                           | 0.25                  | 1.42                            | 0.16              | 0.37            | 17        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02175-00001                           | 0.27                  | 1.53                            | 0.18              | 0.42            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-24-02181-00001                           | 0.27                  | 1.53                            | 0.16              | 0.37            | 15        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |

| Andersen® Product Line & Product Type       | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U.S. ENERGY STAR v 6.0 |                              |                   |                 | Canada ENERGY STAR v 4.1 |                  |       |               |            |       |    |
|---|---|---|--|------------------------|------------------------------|-------------------|-----------------|--------------------------|------------------|-------|---------------|------------|-------|----|
|   |   |   |  | U-Factor <sup>r</sup>  | U-Factor <sup>r</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER                | Air Infiltration | North | N. Central S. | Central S. | South |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02167-00003                     | 0.26                   | 1.48                         | 0.37              | 0.45            | 28                       | < 0.2            | N     | NC            | -          | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02173-00001                     | 0.28                   | 1.59                         | 0.42              | 0.51            | 28                       | < 0.2            | N     | -             | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-24-02179-00001                     | 0.28                   | 1.59                         | 0.37              | 0.45            | 25                       | < 0.2            | N     | NC            | -          | -     | Z1 |
|   |   | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                        |                              |                   |                 |                          |                  |       |               |            |       |    |
|   | Low-E4®   | No Grilles  | AND-N-24-02097-00001                     | 0.30                   | 1.70                         | 0.31              | 0.53            | 19                       | < 0.2            | -     | NC            | -          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02097-00002                     | 0.30                   | 1.70                         | 0.28              | 0.47            | 18                       | < 0.2            | -     | NC            | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02103-00001                     | 0.31                   | 1.76                         | 0.28              | 0.47            | 16                       | < 0.2            | -     | -             | -          | -     | -  |
|   |   | Full Divided Lite   | AND-N-24-02109-00001                     | 0.31                   | 1.76                         | 0.28              | 0.47            | 16                       | < 0.2            | -     | -             | -          | -     | -  |
|   | Low-E4® Sun   | No Grilles  | AND-N-24-02098-00001                     | 0.31                   | 1.76                         | 0.19              | 0.29            | 11                       | < 0.2            | -     | -             | S          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02098-00002                     | 0.31                   | 1.76                         | 0.17              | 0.26            | 10                       | < 0.2            | -     | -             | S          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02104-00001                     | 0.32                   | 1.82                         | 0.17              | 0.26            | 9                        | < 0.2            | -     | -             | S          | -     | -  |
|   |   | Full Divided Lite   | AND-N-24-02110-00001                     | 0.32                   | 1.82                         | 0.17              | 0.26            | 9                        | < 0.2            | -     | -             | S          | -     | -  |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-24-02099-00001                     | 0.30                   | 1.70                         | 0.21              | 0.48            | 14                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02099-00002                     | 0.30                   | 1.70                         | 0.19              | 0.42            | 13                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02105-00001                     | 0.31                   | 1.76                         | 0.19              | 0.42            | 11                       | < 0.2            | -     | -             | S          | -     | -  |
|   |   | Full Divided Lite   | AND-N-24-02111-00001                     | 0.31                   | 1.76                         | 0.19              | 0.42            | 11                       | < 0.2            | -     | -             | S          | -     | -  |
|   | Low-E4® PassiveSun®   | No Grilles  | AND-N-24-02096-00001                     | 0.31                   | 1.76                         | 0.51              | 0.58            | 30                       | < 0.2            | -     | -             | -          | Z1    | Z2 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02096-00002                     | 0.31                   | 1.76                         | 0.45              | 0.52            | 26                       | < 0.2            | -     | -             | -          | Z1    | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02102-00001                     | 0.32                   | 1.82                         | 0.45              | 0.52            | 25                       | < 0.2            | -     | -             | -          | Z1    | -  |
|   |   | Full Divided Lite   | AND-N-24-02108-00001                     | 0.32                   | 1.82                         | 0.45              | 0.52            | 25                       | < 0.2            | -     | -             | -          | Z1    | -  |
|   | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-24-02183-00001                     | 0.27                   | 1.53                         | 0.30              | 0.52            | 23                       | < 0.2            | N     | NC            | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02183-00002                     | 0.27                   | 1.53                         | 0.27              | 0.46            | 21                       | < 0.2            | N     | NC            | -          | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02186-00001                     | 0.27                   | 1.53                         | 0.27              | 0.46            | 21                       | < 0.2            | N     | NC            | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-24-02189-00001                     | 0.28                   | 1.59                         | 0.27              | 0.46            | 20                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   | Low-E4® SmartSun™ w/ Heatlock™                                | No Grilles  | AND-N-24-02184-00001                     | 0.26                   | 1.48                         | 0.20              | 0.46            | 18                       | < 0.2            | N     | NC            | SC         | S     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02184-00002                     | 0.26                   | 1.48                         | 0.18              | 0.41            | 17                       | < 0.2            | N     | NC            | SC         | S     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02187-00001                     | 0.27                   | 1.53                         | 0.18              | 0.41            | 16                       | < 0.2            | N     | NC            | SC         | S     | Z1 |
|   |   | Full Divided Lite   | AND-N-24-02190-00001                     | 0.28                   | 1.59                         | 0.18              | 0.41            | 14                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   | Low-E4® PassiveSun® w/ Heatlock™                              | No Grilles  | AND-N-24-02182-00001                     | 0.27                   | 1.53                         | 0.46              | 0.57            | 32                       | < 0.2            | N     | -             | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02182-00002                     | 0.27                   | 1.53                         | 0.41              | 0.51            | 29                       | < 0.2            | N     | -             | -          | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02185-00001                     | 0.28                   | 1.59                         | 0.41              | 0.51            | 28                       | < 0.2            | N     | -             | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-24-02188-00001                     | 0.29                   | 1.65                         | 0.41              | 0.51            | 26                       | < 0.2            | N     | -             | -          | -     | Z1 |
|   | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater |   |  |                        |                              |                   |                 |                          |                  |       |               |            |       |    |
| 500 Series Tilt-Wash Double-Hung Full-Frame | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02097-00003                     | 0.30                   | 1.70                         | 0.25              | 0.41            | 16                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -             | -          | -     |    |
|   |   | Full Divided Lite   | AND-N-24-02115-00001                     | 0.31                   | 1.76                         | 0.25              | 0.41            | 15                       | < 0.2            | -     | -             | S          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02098-00003                     | 0.31                   | 1.76                         | 0.16              | 0.23            | 10                       | < 0.2            | -     | -             | S          | -     | -  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -             | -          | -     |    |
|   |   | Full Divided Lite   | AND-N-24-02116-00001                     | 0.31                   | 1.76                         | 0.16              | 0.23            | 10                       | < 0.2            | -     | -             | S          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02099-00003                     | 0.30                   | 1.70                         | 0.17              | 0.37            | 11                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -             | -          | -     |    |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-24-02117-00001                     | 0.30                   | 1.70                         | 0.17              | 0.37            | 11                       | < 0.2            | -     | NC            | SC         | S     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02096-00003                     | 0.31                   | 1.76                         | 0.40              | 0.46            | 23                       | < 0.2            | -     | -             | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -             | -          | -     |    |
|   |   | Full Divided Lite   | AND-N-24-02114-00001                     | 0.32                   | 1.82                         | 0.40              | 0.46            | 22                       | < 0.2            | -     | -             | -          | -     | -  |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02183-00003                     | 0.27                   | 1.53                         | 0.24              | 0.40            | 19                       | < 0.2            | N     | NC            | SC         | S     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                    | n/a                          | n/a               | n/a             | n/a                      | -                | -     | -             | -          | -     |    |
|   |   | Full Divided Lite   | AND-N-24-02192-00001                     | 0.29                   | 1.65                         | 0.24              | 0.40            | 17                       | < 0.2            | -     | NC            | SC         | S     | -  |

| Andersen® Product Line & Product Type       | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Tilt-Wash Double-Hung Full-Frame | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02184-00003                     | 0.26                  | 1.48                         | 0.16              | 0.36            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-24-02193-00001                     | 0.28                  | 1.59                         | 0.16              | 0.36            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02182-00003                     | 0.27                  | 1.53                         | 0.37              | 0.45            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-24-02191-00001                     | 0.29                  | 1.65                         | 0.37              | 0.45            | 24        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-24-02097-00004                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02097-00005                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-24-02098-00004                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02098-00005                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-24-02099-00004                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02099-00005                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02097-00006                     | 0.30                  | 1.70                         | 0.25              | 0.41            | 16        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02098-00006                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02099-00006                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02096-00006                     | 0.31                  | 1.76                         | 0.40              | 0.46            | 23        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-24-02240-00001                     | 0.32                  | 1.82                         | 0.31              | 0.52            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02240-00002                     | 0.32                  | 1.82                         | 0.28              | 0.47            | 15        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02245-00001                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-24-02250-00001                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-24-02241-00001                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02241-00002                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02246-00001                     | 0.34                  | 1.93                         | 0.17              | 0.25            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-24-02251-00001                     | 0.34                  | 1.93                         | 0.17              | 0.25            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-24-02242-00001                     | 0.32                  | 1.82                         | 0.21              | 0.47            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02242-00002                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02247-00001                     | 0.33                  | 1.87                         | 0.19              | 0.42            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-24-02252-00001                     | 0.33                  | 1.87                         | 0.19              | 0.42            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |

| Andersen® Product Line & Product Type                | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame | Low-E4®<br>PassiveSun®  | No Grilles   | AND-N-24-02239-00001                     | 0.33                  | 1.87                         | 0.47              | 0.58            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02239-00002                     | 0.33                  | 1.87                         | 0.42              | 0.51            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02244-00001                     | 0.34                  | 1.93                         | 0.42              | 0.51            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-24-02249-00001                     | 0.34                  | 1.93                         | 0.42              | 0.51            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02240-00003                     | 0.32                  | 1.82                         | 0.25              | 0.41            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-24-02255-00001                     | 0.33                  | 1.87                         | 0.25              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02241-00003                     | 0.33                  | 1.87                         | 0.16              | 0.22            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-24-02256-00001                     | 0.33                  | 1.87                         | 0.16              | 0.22            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02242-00003                     | 0.32                  | 1.82                         | 0.17              | 0.37            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-24-02257-00001                     | 0.33                  | 1.87                         | 0.17              | 0.37            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02239-00003                     | 0.33                  | 1.87                         | 0.37              | 0.45            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-24-02254-00001                     | 0.34                  | 1.93                         | 0.37              | 0.45            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type                                     | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b>        |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Tilt-Wash Double-Hung Full-Frame (w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-24-01914-00001                     | 0.33                  | 1.87                         | 0.31              | 0.53            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01914-00002                     | 0.33                  | 1.87                         | 0.28              | 0.48            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01920-00001                     | 0.33                  | 1.87                         | 0.28              | 0.48            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-01932-00001                     | 0.34                  | 1.93                         | 0.28              | 0.48            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® Sun                      | No Grilles   | AND-N-24-01915-00001                     | 0.34                  | 1.93                         | 0.20              | 0.30            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01915-00002                     | 0.34                  | 1.93                         | 0.18              | 0.26            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01921-00001                     | 0.34                  | 1.93                         | 0.18              | 0.26            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-01933-00001                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-24-01916-00001                     | 0.33                  | 1.87                         | 0.21              | 0.48            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01916-00002                     | 0.33                  | 1.87                         | 0.19              | 0.43            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01922-00001                     | 0.33                  | 1.87                         | 0.19              | 0.43            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-01934-00001                     | 0.34                  | 1.93                         | 0.19              | 0.43            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-24-01913-00001                     | 0.34                  | 1.93                         | 0.51              | 0.59            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01913-00002                     | 0.34                  | 1.93                         | 0.46              | 0.52            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01919-00001                     | 0.34                  | 1.93                         | 0.46              | 0.52            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-01931-00001                     | 0.35                  | 1.99                         | 0.46              | 0.52            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-24-02015-00001                     | 0.28                  | 1.59                         | 0.31              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02015-00002                     | 0.28                  | 1.59                         | 0.28              | 0.46            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02018-00001                     | 0.28                  | 1.59                         | 0.28              | 0.46            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-02024-00001                     | 0.31                  | 1.76                         | 0.28              | 0.46            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-24-02016-00001                     | 0.28                  | 1.59                         | 0.20              | 0.47            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02016-00002                     | 0.28                  | 1.59                         | 0.18              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02019-00001                     | 0.28                  | 1.59                         | 0.18              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-02025-00001                     | 0.30                  | 1.70                         | 0.18              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-24-02014-00001                     | 0.29                  | 1.65                         | 0.47              | 0.58            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02014-00002                     | 0.29                  | 1.65                         | 0.42              | 0.51            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02017-00001                     | 0.29                  | 1.65                         | 0.42              | 0.51            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-02023-00001                     | 0.31                  | 1.76                         | 0.42              | 0.51            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>                      |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Tilt-Wash Double-Hung Full-Frame (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01914-00003                     | 0.33                  | 1.87                         | 0.25              | 0.42            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01926-00001                     | 0.35                  | 1.99                         | 0.28              | 0.48            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-01938-00001                     | 0.34                  | 1.93                         | 0.25              | 0.42            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01915-00003                     | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01927-00001                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01939-00001                     | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01916-00003                     | 0.33                  | 1.87                         | 0.17              | 0.38            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01928-00001                     | 0.35                  | 1.99                         | 0.19              | 0.43            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-24-01940-00001                     | 0.34                  | 1.93                         | 0.17              | 0.38            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-01913-00003                     | 0.34                  | 1.93                         | 0.41              | 0.46            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-01925-00001                     | 0.36                  | 2.04                         | 0.46              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-01937-00001                     | 0.35                  | 1.99                         | 0.41              | 0.46            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02015-00003                     | 0.28                  | 1.59                         | 0.25              | 0.41            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02021-00001                     | 0.30                  | 1.70                         | 0.28              | 0.46            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-02027-00001                     | 0.31                  | 1.76                         | 0.25              | 0.41            | 15        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02016-00003                     | 0.28                  | 1.59                         | 0.17              | 0.37            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-24-02022-00001                     | 0.30                  | 1.70                         | 0.18              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-24-02028-00001                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |

| Andersen® Product Line & Product Type                                     | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Tilt-Wash Double-Hung Full-Frame (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02014-00003                     | 0.29                  | 1.65                         | 0.37              | 0.45            | 24        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02020-00001                     | 0.30                  | 1.70                         | 0.42              | 0.51            | 26        | < 0.2            | N          | -          | -     | -                      | Z1                       | - |
|   |   | Full Divided Lite   | AND-N-24-02026-00001                     | 0.31                  | 1.76                         | 0.37              | 0.45            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | No Grilles  | AND-N-24-01944-00001                     | 0.34                  | 1.93                         | 0.31              | 0.53            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01944-00002                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-01950-00001                     | 0.36                  | 2.04                         | 0.28              | 0.47            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01956-00001                     | 0.35                  | 1.99                         | 0.28              | 0.47            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® Sun   | No Grilles  | AND-N-24-01945-00001                     | 0.35                  | 1.99                         | 0.20              | 0.29            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01945-00002                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-01951-00001                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01957-00001                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-24-01946-00001                     | 0.34                  | 1.93                         | 0.21              | 0.48            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01946-00002                     | 0.34                  | 1.93                         | 0.19              | 0.42            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-01952-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01958-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles  | AND-N-24-01943-00001                     | 0.35                  | 1.99                         | 0.50              | 0.58            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01943-00002                     | 0.35                  | 1.99                         | 0.45              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-01949-00001                     | 0.36                  | 2.04                         | 0.45              | 0.52            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01955-00001                     | 0.36                  | 2.04                         | 0.45              | 0.52            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-24-02030-00001                     | 0.29                  | 1.65                         | 0.30              | 0.52            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02030-00002                     | 0.29                  | 1.65                         | 0.27              | 0.46            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02033-00001                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 17        | < 0.2            | -          | NC         | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-02036-00001                     | 0.32                  | 1.82                         | 0.27              | 0.46            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® SmartSun™ w/ Heatlock™                                | No Grilles  | AND-N-24-02031-00001                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02031-00002                     | 0.29                  | 1.65                         | 0.18              | 0.41            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02034-00001                     | 0.30                  | 1.70                         | 0.18              | 0.41            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-02037-00001                     | 0.31                  | 1.76                         | 0.18              | 0.41            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® PassiveSun® w/ Heatlock™                              | No Grilles  | AND-N-24-02029-00001                     | 0.30                  | 1.70                         | 0.46              | 0.57            | 28        | < 0.2            | N          | -          | -     | Z1                     | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02029-00002                     | 0.30                  | 1.70                         | 0.41              | 0.51            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-24-02032-00001                     | 0.31                  | 1.76                         | 0.41              | 0.51            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-02035-00001                     | 0.32                  | 1.82                         | 0.41              | 0.51            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01944-00003                     | 0.34                  | 1.93                         | 0.25              | 0.41            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01962-00001                     | 0.35                  | 1.99                         | 0.25              | 0.41            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01945-00003                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 4         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01963-00001                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 4         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01946-00003                     | 0.34                  | 1.93                         | 0.17              | 0.37            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-01964-00001                     | 0.35                  | 1.99                         | 0.17              | 0.37            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-01943-00003                     | 0.35                  | 1.99                         | 0.40              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® w/ Heatlock™  | Full Divided Lite   | AND-N-24-01961-00001                     | 0.36                  | 2.04                         | 0.40              | 0.46            | 17        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-24-02030-00003                     | 0.29                  | 1.65                         | 0.24              | 0.40            | 17        | < 0.2            | -          | NC         | SC    | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-02039-00001                     | 0.32                  | 1.82                         | 0.24              | 0.40            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | - |

| Andersen® Product Line & Product Type                                     | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Tilt-Wash Double-Hung Full-Frame (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-02031-00003                     | 0.29                  | 1.65                         | 0.17              | 0.36            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        |   |
|   |   | Full Divided Lite   | AND-N-24-02040-00001                     | 0.31                  | 1.76                         | 0.17              | 0.36            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        |   |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-02029-00003                     | 0.30                  | 1.70                         | 0.36              | 0.45            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        |   |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        |   |
|   |   | Full Divided Lite   | AND-N-24-02038-00001                     | 0.32                  | 1.82                         | 0.36              | 0.45            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        |   |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles  | AND-N-24-01944-00004                     | 0.34                  | 1.93                         | 0.31              | 0.53            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01944-00005                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles  | AND-N-24-01945-00004                     | 0.35                  | 1.99                         | 0.20              | 0.29            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01945-00005                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | No Grilles  | AND-N-24-01946-00004                     | 0.34                  | 1.93                         | 0.21              | 0.48            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01946-00005                     | 0.34                  | 1.93                         | 0.19              | 0.42            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | No Grilles  | AND-N-24-01943-00004                     | 0.35                  | 1.99                         | 0.50              | 0.58            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01943-00005                     | 0.35                  | 1.99                         | 0.45              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01944-00006                     | 0.34                  | 1.93                         | 0.25              | 0.41            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01945-00006                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 4         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01946-00006                     | 0.34                  | 1.93                         | 0.17              | 0.37            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-01943-00006                     | 0.35                  | 1.99                         | 0.40              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles  | AND-N-24-02220-00001                     | 0.37                  | 2.10                         | 0.31              | 0.52            | 11        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-02220-00002                     | 0.37                  | 2.10                         | 0.28              | 0.47            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-24-02225-00001                     | 0.38                  | 2.16                         | 0.28              | 0.47            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-02230-00001                     | 0.38                  | 2.16                         | 0.28              | 0.47            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-24-02222-00001                     | 0.37                  | 2.10                         | 0.21              | 0.47            | 5         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-24-02222-00002                     | 0.37                  | 2.10                         | 0.19              | 0.42            | 4         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-24-02227-00001                     | 0.38                  | 2.16                         | 0.19              | 0.42            | 2         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite   | AND-N-24-02232-00001                     | 0.38                  | 2.16                         | 0.19              | 0.42            | 2         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type   | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 | Canada<br>ENERGY<br>STAR<br>v 4.1 |   |
|--|---|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|-----------------------------------|---|
|  |   |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South |                                 |                                   |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame<br>(w/ Capillary<br>Breather Tubes) | Low-E4®<br>PassiveSun®  | No Grilles   | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Full Divided Lite                                      | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                                 |                   |                 |           |                  |            |            |       |                                 |                                   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02220-00003                           | 0.37                  | 2.10                            | 0.25              | 0.41            | 7         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Full Divided Lite                                      | AND-N-24-02235-00001                           | 0.38                  | 2.16                            | 0.25              | 0.41            | 6         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  | Low-E4®<br>Sun  | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Full Divided Lite                                      | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  | Low-E4®<br>SmartSun™  | Simulated Divided Lite or Installed Interior Removable | AND-N-24-02222-00003                           | 0.37                  | 2.10                            | 0.17              | 0.37            | 3         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Full Divided Lite                                      | AND-N-24-02237-00001                           | 0.37                  | 2.10                            | 0.17              | 0.37            | 3         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  | Low-E4®<br>PassiveSun®  | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |
|  |   | Full Divided Lite                                      | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                               | -                                 |   |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration | U.S. ENERGY STAR v 6.0 |            | Canada ENERGY STAR v 4.1 |       |       |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------------------|------------|--------------------------|-------|-------|
|  |                                  |  |  |                       |                              |                   |                 |           |                  | North                  | N. Central | S. Central               | South |       |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |                        |            |                          |       |       |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture                                | Low-E4®                          | No Grilles   | AND-N-27-01488-00001                     | 0.29                  | 1.65                         | 0.33              | 0.57            | 23        | < 0.2            | -                      | NC         | -                        | -     | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01488-00002                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2            | -                      | NC         | -                        | -     | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01494-00001                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2            | -                      | NC         | -                        | -     | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01506-00001                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -                      | -          | -                        | -     | -     |
|  | Low-E4® Sun                      | No Grilles   | AND-N-27-01489-00001                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01489-00002                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01495-00001                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01507-00001                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -                      | -          | -                        | S     | -     |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-27-01490-00001                     | 0.29                  | 1.65                         | 0.22              | 0.51            | 16        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01490-00002                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 15        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01496-00001                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 15        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01508-00001                     | 0.30                  | 1.70                         | 0.20              | 0.46            | 14        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-27-01487-00001                     | 0.30                  | 1.70                         | 0.55              | 0.63            | 34        | < 0.2            | N                      | -          | -                        | Z1    | Z2 Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01487-00002                     | 0.30                  | 1.70                         | 0.49              | 0.56            | 31        | < 0.2            | N                      | -          | -                        | Z1    | Z2 -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01493-00001                     | 0.30                  | 1.70                         | 0.49              | 0.56            | 31        | < 0.2            | N                      | -          | -                        | Z1    | Z2 -  |
|  |                                  | Full Divided Lite                                      | AND-N-27-01505-00001                     | 0.32                  | 1.82                         | 0.49              | 0.56            | 28        | < 0.2            | -                      | -          | -                        | Z1    | -     |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-27-01775-00001                     | 0.25                  | 1.42                         | 0.32              | 0.56            | 27        | < 0.2            | N                      | NC         | -                        | Z1    | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01775-00002                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N                      | NC         | -                        | Z1    | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01778-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N                      | NC         | -                        | Z1    | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01784-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -                      | NC         | -                        | Z1    | -     |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-27-01776-00001                     | 0.25                  | 1.42                         | 0.21              | 0.50            | 21        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01776-00002                     | 0.25                  | 1.42                         | 0.19              | 0.45            | 20        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01779-00001                     | 0.25                  | 1.42                         | 0.19              | 0.45            | 20        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |
|  |                                  | Full Divided Lite                                      | AND-N-27-01785-00001                     | 0.27                  | 1.53                         | 0.19              | 0.45            | 17        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-27-01774-00001                     | 0.26                  | 1.48                         | 0.50              | 0.61            | 36        | < 0.2            | N                      | -          | -                        | Z1    | Z2 Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01774-00002                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33        | < 0.2            | N                      | -          | -                        | Z1    | Z2 -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01777-00001                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33        | < 0.2            | N                      | -          | -                        | Z1    | Z2 -  |
|  |                                  | Full Divided Lite                                      | AND-N-27-01783-00001                     | 0.28                  | 1.59                         | 0.45              | 0.55            | 31        | < 0.2            | N                      | -          | -                        | Z1    | Z2 -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |                        |            |                          |       |       |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture                                | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01488-00003                     | 0.29                  | 1.65                         | 0.27              | 0.45            | 19        | < 0.2            | -                      | NC         | -                        | -     | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01500-00001                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2            | -                      | NC         | -                        | -     | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01512-00001                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 17        | < 0.2            | -                      | -          | -                        | -     | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01489-00003                     | 0.30                  | 1.70                         | 0.17              | 0.25            | 12        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01501-00001                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01513-00001                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2            | -                      | -          | -                        | S     | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01490-00003                     | 0.29                  | 1.65                         | 0.18              | 0.40            | 14        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01502-00001                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 15        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-27-01514-00001                     | 0.30                  | 1.70                         | 0.18              | 0.40            | 13        | < 0.2            | -                      | NC         | SC                       | S     | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01487-00003                     | 0.30                  | 1.70                         | 0.44              | 0.50            | 28        | < 0.2            | N                      | -          | -                        | Z1    | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01499-00001                     | 0.30                  | 1.70                         | 0.49              | 0.56            | 31        | < 0.2            | N                      | -          | -                        | Z1    | Z2 -  |
|  |                                  | Full Divided Lite                                      | AND-N-27-01511-00001                     | 0.31                  | 1.76                         | 0.44              | 0.50            | 27        | < 0.2            | -                      | -          | -                        | Z1    | -     |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01487-00003                     | 0.30                  | 1.70                         | 0.26              | 0.44            | 24        | < 0.2            | N                      | NC         | -                        | Z1    | -     |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01781-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N                      | NC         | -                        | Z1    | -     |
|  |                                  | Full Divided Lite                                      | AND-N-27-01787-00001                     | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2            | -                      | NC         | -                        | Z1    | -     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01776-00003                     | 0.25                  | 1.42                         | 0.18              | 0.40            | 19        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |
|  | Low-E4® PassiveSun™ w/ Heatlock™ | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01782-00001                     | 0.25                  | 1.42                         | 0.19              | 0.45            | 20        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |
|  |                                  | Full Divided Lite                                      | AND-N-27-01788-00001                     | 0.27                  | 1.53                         | 0.18              | 0.40            | 17        | < 0.2            | N                      | NC         | SC                       | S     | Z1 -  |

| Andersen® Product Line & Product Type               | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |            |       |    |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|------------|-------|----|
|   |   |   |  | U-Factor <sup>r</sup> | U-Factor <sup>r</sup> Metric | SHGC <sup>r</sup> | VT <sup>r</sup> | Canada ER              | North | N. Central               | S. Central | South |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01774-00003                     | 0.26                  | 1.48                         | 0.40              | 0.48            | 30                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01780-00001                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33                     | < 0.2 | N                        | -          | -     | -  |
|   |   | Full Divided Lite   | AND-N-27-01786-00001                     | 0.28                  | 1.59                         | 0.40              | 0.48            | 28                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|   |   | No Grilles  | AND-N-27-01518-00001                     | 0.29                  | 1.65                         | 0.33              | 0.56            | 23                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01518-00002                     | 0.29                  | 1.65                         | 0.29              | 0.50            | 20                     | < 0.2 | -                        | NC         | -     | -  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01524-00001                     | 0.29                  | 1.65                         | 0.29              | 0.50            | 20                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | Full Divided Lite   | AND-N-27-01536-00001                     | 0.31                  | 1.76                         | 0.29              | 0.50            | 18                     | < 0.2 | -                        | -          | -     | -  |
|   |   | No Grilles  | AND-N-27-01519-00001                     | 0.30                  | 1.70                         | 0.20              | 0.31            | 14                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01519-00002                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 13                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01525-00001                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 13                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-27-01537-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12                     | < 0.2 | -                        | -          | S     | -  |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-27-01520-00001                     | 0.29                  | 1.65                         | 0.22              | 0.51            | 16                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01520-00002                     | 0.29                  | 1.65                         | 0.20              | 0.45            | 15                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01526-00001                     | 0.29                  | 1.65                         | 0.20              | 0.45            | 15                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-27-01538-00001                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | No Grilles  | AND-N-27-01517-00001                     | 0.30                  | 1.70                         | 0.53              | 0.62            | 33                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01517-00002                     | 0.30                  | 1.70                         | 0.48              | 0.55            | 30                     | < 0.2 | N                        | -          | -     | Z1 |
|   | Low-E4® PassiveSun®   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01523-00001                     | 0.30                  | 1.70                         | 0.48              | 0.55            | 30                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01535-00001                     | 0.31                  | 1.76                         | 0.48              | 0.55            | 29                     | < 0.2 | -                        | -          | -     | Z1 |
|   |   | No Grilles  | AND-N-27-01517-00001                     | 0.30                  | 1.70                         | 0.53              | 0.62            | 33                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01517-00002                     | 0.30                  | 1.70                         | 0.48              | 0.55            | 30                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01523-00001                     | 0.30                  | 1.70                         | 0.48              | 0.55            | 30                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01535-00001                     | 0.31                  | 1.76                         | 0.48              | 0.55            | 29                     | < 0.2 | -                        | -          | -     | Z1 |
|   | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-27-01790-00001                     | 0.25                  | 1.42                         | 0.32              | 0.55            | 27                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01790-00002                     | 0.25                  | 1.42                         | 0.29              | 0.49            | 25                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01793-00001                     | 0.25                  | 1.42                         | 0.29              | 0.49            | 25                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01799-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | No Grilles  | AND-N-27-01791-00001                     | 0.25                  | 1.42                         | 0.21              | 0.50            | 21                     | < 0.2 | N                        | NC         | S     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01791-00002                     | 0.25                  | 1.42                         | 0.19              | 0.44            | 20                     | < 0.2 | N                        | NC         | S     | Z1 |
|   | Low-E4® SmartSun™ w/ Heatlock™                                | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01794-00001                     | 0.25                  | 1.42                         | 0.19              | 0.44            | 20                     | < 0.2 | N                        | NC         | S     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01800-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17                     | < 0.2 | N                        | NC         | S     | Z1 |
|   |   | No Grilles  | AND-N-27-01789-00001                     | 0.26                  | 1.48                         | 0.48              | 0.61            | 35                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01789-00002                     | 0.26                  | 1.48                         | 0.43              | 0.54            | 32                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01792-00001                     | 0.26                  | 1.48                         | 0.43              | 0.54            | 32                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01798-00001                     | 0.28                  | 1.59                         | 0.43              | 0.54            | 30                     | < 0.2 | N                        | -          | -     | Z1 |
|   | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|   | Low-E4® Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01518-00003                     | 0.29                  | 1.65                         | 0.26              | 0.45            | 19                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01530-00001                     | 0.31                  | 1.76                         | 0.29              | 0.50            | 18                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Full Divided Lite   | AND-N-27-01542-00001                     | 0.30                  | 1.70                         | 0.26              | 0.45            | 18                     | < 0.2 | -                        | NC         | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01519-00003                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 12                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01531-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12                     | < 0.2 | -                        | -          | S     | -  |
|   |   | Full Divided Lite   | AND-N-27-01543-00001                     | 0.31                  | 1.76                         | 0.16              | 0.24            | 11                     | < 0.2 | -                        | -          | S     | -  |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01520-00003                     | 0.29                  | 1.65                         | 0.18              | 0.40            | 14                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01532-00001                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-27-01544-00001                     | 0.30                  | 1.70                         | 0.18              | 0.40            | 13                     | < 0.2 | -                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01517-00003                     | 0.30                  | 1.70                         | 0.43              | 0.49            | 27                     | < 0.2 | N                        | -          | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01529-00001                     | 0.32                  | 1.82                         | 0.48              | 0.55            | 28                     | < 0.2 | -                        | -          | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01541-00001                     | 0.31                  | 1.76                         | 0.43              | 0.49            | 26                     | < 0.2 | -                        | -          | -     | Z1 |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01790-00003                     | 0.25                  | 1.42                         | 0.26              | 0.44            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01796-00001                     | 0.28                  | 1.59                         | 0.29              | 0.49            | 22                     | < 0.2 | -                        | NC         | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-27-01802-00001                     | 0.27                  | 1.53                         | 0.26              | 0.44            | 21                     | < 0.2 | N                        | NC         | -     | Z1 |

| Andersen® Product Line & Product Type               | Andersen Glass Type                      | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |    |   |
|---|--|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|----|---|
|   |  |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |    |   |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture | Low-E4® SmartSun™ w/ Heatlock™           | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01791-00003                     | 0.25                  | 1.42                         | 0.18              | 0.39            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |   |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01797-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |   |
|   |  | Full Divided Lite   | AND-N-27-01803-00001                     | 0.27                  | 1.53                         | 0.18              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |   |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01789-00003                     | 0.26                  | 1.48                         | 0.39              | 0.48            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1     | Z2                       | -  |   |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01795-00001                     | 0.28                  | 1.59                         | 0.43              | 0.54            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |   |
|   |  | Full Divided Lite   | AND-N-27-01801-00001                     | 0.28                  | 1.59                         | 0.39              | 0.48            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |   |
|   | Low-E4® PassiveSun® w/ Heatlock™         | 4.7 Annealed or 4.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |   |
|   |  | No Grilles  | AND-N-27-01548-00001                     | 0.29                  | 1.65                         | 0.33              | 0.56            | 23        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01554-00001                     | 0.29                  | 1.65                         | 0.29              | 0.50            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01566-00001                     | 0.30                  | 1.70                         | 0.29              | 0.50            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | -  | - |
|   |  | No Grilles  | AND-N-27-01549-00001                     | 0.29                  | 1.65                         | 0.20              | 0.31            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01555-00001                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   | Low-E4® Sun                              | Full Divided Lite   | AND-N-27-01567-00001                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   |  | No Grilles  | AND-N-27-01550-00001                     | 0.28                  | 1.59                         | 0.22              | 0.50            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01556-00001                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01568-00001                     | 0.29                  | 1.65                         | 0.20              | 0.45            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   |  | No Grilles  | AND-N-27-01547-00001                     | 0.30                  | 1.70                         | 0.52              | 0.62            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01553-00001                     | 0.30                  | 1.70                         | 0.47              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  | - |
|   | Low-E4® Low-E4® PassiveSun® w/ Heatlock™ | Full Divided Lite   | AND-N-27-01565-00001                     | 0.31                  | 1.76                         | 0.47              | 0.55            | 28        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | -  | - |
|   |  | No Grilles  | AND-N-27-01805-00001                     | 0.25                  | 1.42                         | 0.32              | 0.55            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  | - |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01805-00002                     | 0.25                  | 1.42                         | 0.29              | 0.49            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01808-00001                     | 0.25                  | 1.42                         | 0.29              | 0.49            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01814-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  | - |
|   |  | No Grilles  | AND-N-27-01806-00001                     | 0.24                  | 1.36                         | 0.21              | 0.49            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | -  | - |
|   | Low-E4® SmartSun™ w/ Heatlock™           | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01806-00002                     | 0.24                  | 1.36                         | 0.19              | 0.44            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01809-00001                     | 0.24                  | 1.36                         | 0.19              | 0.44            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01815-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  | - |
|   |  | No Grilles  | AND-N-27-01804-00001                     | 0.26                  | 1.48                         | 0.48              | 0.60            | 35        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 | - |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01804-00002                     | 0.26                  | 1.48                         | 0.43              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01807-00001                     | 0.26                  | 1.48                         | 0.43              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  | - |
|   | Low-E4® PassiveSun® w/ Heatlock™         | Full Divided Lite   | AND-N-27-01813-00001                     | 0.28                  | 1.59                         | 0.43              | 0.54            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  | - |
|   |  | 4.7 Annealed or 4.7 Tempered Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |   |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01560-00001                     | 0.31                  | 1.76                         | 0.29              | 0.50            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01572-00001                     | 0.30                  | 1.70                         | 0.26              | 0.44            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | -  | - |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | -  | - |
|   | Low-E4® Sun                              | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01561-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01573-00001                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01562-00001                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01574-00001                     | 0.29                  | 1.65                         | 0.18              | 0.40            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  | - |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | -  | - |
|   | Low-E4® SmartSun™                        | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01559-00001                     | 0.31                  | 1.76                         | 0.47              | 0.55            | 28        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01571-00001                     | 0.31                  | 1.76                         | 0.42              | 0.49            | 26        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | -  | - |
|   |  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-27-01805-00003                     | 0.25                  | 1.42                         | 0.26              | 0.43            | 24        | 0.1              | N          | NC         | -     | -                      | Z1     | -                        | -  | - |
|   |  | Finelight™ (grilles-between-the-glass)                                      | AND-N-27-01811-00001                     | 0.26                  | 1.48                         | 0.29              | 0.49            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  | - |
|   |  | Full Divided Lite   | AND-N-27-01817-00001                     | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  | - |

| Andersen® Product Line & Product Type               | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |            | U.S. ENERGY STAR v 6.0 |       |        | Canada ENERGY STAR v 4.1 |        |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|------------|------------------------|-------|--------|--------------------------|--------|---|
|   |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central             | South | Zone 1 | Zone 2                   | Zone 3 |   |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01806-00003                     | 0.24                  | 1.36                         | 0.18              | 0.39            | 20        | < 0.2 | N          | NC                     | SC    | S      | Z1                       | Z2     | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01812-00001                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2 | N          | NC                     | SC    | S      | Z1                       | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01818-00001                     | 0.27                  | 1.53                         | 0.18              | 0.39            | 17        | < 0.2 | N          | NC                     | SC    | S      | Z1                       | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01804-00003                     | 0.26                  | 1.48                         | 0.38              | 0.48            | 29        | < 0.2 | N          | NC                     | -     | -      | Z1                       | Z2     | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01810-00001                     | 0.27                  | 1.53                         | 0.43              | 0.54            | 31        | < 0.2 | N          | -                      | -     | -      | Z1                       | Z2     | - |
|   |   | Full Divided Lite   | AND-N-27-01816-00001                     | 0.28                  | 1.59                         | 0.38              | 0.48            | 27        | < 0.2 | N          | NC                     | -     | -      | Z1                       | -      | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |       |            |                        |       |        |                          |        |   |
|   | Low-E4®   | No Grilles  | AND-N-27-01488-00004                     | 0.29                  | 1.65                         | 0.33              | 0.57            | 23        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01488-00005                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01494-00002                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01506-00002                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2 | -          | -                      | -     | -      | -                        | -      | - |
|   | Low-E4® Sun   | No Grilles  | AND-N-27-01489-00004                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01489-00005                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01495-00002                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01507-00002                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2 | -          | -                      | -     | S      | -                        | -      | - |
|   |   | No Grilles  | AND-N-27-01490-00004                     | 0.29                  | 1.65                         | 0.22              | 0.51            | 16        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01490-00005                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 15        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01496-00002                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 15        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01508-00002                     | 0.30                  | 1.70                         | 0.20              | 0.46            | 14        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | No Grilles  | AND-N-27-01487-00004                     | 0.30                  | 1.70                         | 0.51              | 0.63            | 32        | < 0.2 | N          | -                      | -     | -      | Z1                       | Z2     | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01487-00005                     | 0.30                  | 1.70                         | 0.46              | 0.56            | 29        | < 0.2 | N          | -                      | -     | -      | Z1                       | Z2     | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01493-00002                     | 0.30                  | 1.70                         | 0.46              | 0.56            | 29        | < 0.2 | N          | -                      | -     | -      | Z1                       | Z2     | - |
|   |   | Full Divided Lite   | AND-N-27-01505-00002                     | 0.32                  | 1.82                         | 0.46              | 0.56            | 27        | < 0.2 | -          | -                      | -     | -      | Z1                       | -      | - |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |                       |                              |                   |                 |           |       |            |                        |       |        |                          |        |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01488-00006                     | 0.29                  | 1.65                         | 0.27              | 0.45            | 19        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01500-00002                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01512-00002                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 17        | < 0.2 | -          | -                      | -     | -      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01489-00006                     | 0.30                  | 1.70                         | 0.17              | 0.25            | 12        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01501-00002                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01513-00002                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2 | -          | -                      | -     | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01490-00006                     | 0.29                  | 1.65                         | 0.18              | 0.40            | 14        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01502-00002                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 15        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-27-01514-00002                     | 0.30                  | 1.70                         | 0.18              | 0.40            | 13        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01487-00006                     | 0.30                  | 1.70                         | 0.41              | 0.50            | 26        | < 0.2 | -          | -                      | -     | -      | Z1                       | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01499-00002                     | 0.30                  | 1.70                         | 0.46              | 0.56            | 29        | < 0.2 | N          | -                      | -     | -      | Z1                       | Z2     | - |
|   |   | Full Divided Lite   | AND-N-27-01511-00002                     | 0.31                  | 1.76                         | 0.41              | 0.50            | 25        | < 0.2 | -          | -                      | -     | -      | Z1                       | -      | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |       |            |                        |       |        |                          |        |   |
|   | Low-E4®   | No Grilles  | AND-N-27-01518-00004                     | 0.29                  | 1.65                         | 0.33              | 0.56            | 23        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01518-00005                     | 0.29                  | 1.65                         | 0.29              | 0.50            | 20        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01524-00005                     | 0.29                  | 1.65                         | 0.29              | 0.50            | 20        | < 0.2 | -          | NC                     | -     | -      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01536-00005                     | 0.31                  | 1.76                         | 0.29              | 0.50            | 18        | < 0.2 | -          | -                      | -     | -      | -                        | -      | - |
|   | Low-E4® Sun   | No Grilles  | AND-N-27-01519-00004                     | 0.30                  | 1.70                         | 0.20              | 0.31            | 14        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01519-00005                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 13        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01525-00005                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 13        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01537-00005                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2 | -          | -                      | -     | S      | -                        | -      | - |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-27-01520-00004                     | 0.29                  | 1.65                         | 0.22              | 0.51            | 16        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-27-01520-00005                     | 0.29                  | 1.65                         | 0.20              | 0.45            | 15        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-27-01526-00005                     | 0.29                  | 1.65                         | 0.20              | 0.45            | 15        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-27-01538-00005                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14        | < 0.2 | -          | NC                     | SC    | S      | -                        | -      | - |

| Andersen® Product Line & Product Type                        | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame Picture | Low-E4®<br>PassiveSun®  | No Grilles   | AND-N-27-01517-00004                     | 0.30                  | 1.70                         | 0.53              | 0.62            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01517-00005                     | 0.30                  | 1.70                         | 0.48              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01523-00005                     | 0.30                  | 1.70                         | 0.45              | 0.55            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Full Divided Lite                                      | AND-N-27-01535-00005                     | 0.31                  | 1.76                         | 0.45              | 0.55            | 27        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01518-00006                     | 0.29                  | 1.65                         | 0.26              | 0.45            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01530-00005                     | 0.31                  | 1.76                         | 0.29              | 0.50            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-27-01542-00005                     | 0.30                  | 1.70                         | 0.26              | 0.45            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01519-00006                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01531-00005                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-27-01543-00005                     | 0.31                  | 1.76                         | 0.16              | 0.24            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01520-00006                     | 0.29                  | 1.65                         | 0.18              | 0.40            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01532-00005                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-27-01544-00005                     | 0.30                  | 1.70                         | 0.18              | 0.40            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01517-00006                     | 0.30                  | 1.70                         | 0.43              | 0.49            | 27        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01529-00005                     | 0.32                  | 1.82                         | 0.45              | 0.55            | 26        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite                                      | AND-N-27-01541-00005                     | 0.31                  | 1.76                         | 0.40              | 0.49            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |

| Andersen® Product Line & Product Type   | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>            |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame Picture<br>(w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-27-01296-00001                     | 0.33                  | 1.87                         | 0.33              | 0.57            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01296-00002                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01302-00001                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01314-00001                     | 0.35                  | 1.99                         | 0.30              | 0.51            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® Sun                      | No Grilles   | AND-N-27-01297-00001                     | 0.33                  | 1.87                         | 0.21              | 0.32            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01297-00002                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01303-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01315-00001                     | 0.35                  | 1.99                         | 0.19              | 0.28            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-27-01298-00001                     | 0.32                  | 1.82                         | 0.22              | 0.51            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01298-00002                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01304-00001                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01316-00001                     | 0.34                  | 1.93                         | 0.20              | 0.46            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-27-01295-00001                     | 0.34                  | 1.93                         | 0.54              | 0.63            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01295-00002                     | 0.34                  | 1.93                         | 0.49              | 0.56            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01301-00001                     | 0.34                  | 1.93                         | 0.49              | 0.56            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01313-00001                     | 0.35                  | 1.99                         | 0.49              | 0.56            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-27-01679-00001                     | 0.28                  | 1.59                         | 0.32              | 0.56            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01679-00002                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01682-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01688-00001                     | 0.30                  | 1.70                         | 0.29              | 0.50            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |    |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-27-01680-00001                     | 0.27                  | 1.53                         | 0.22              | 0.50            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01680-00002                     | 0.27                  | 1.53                         | 0.20              | 0.45            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01683-00001                     | 0.27                  | 1.53                         | 0.20              | 0.45            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01689-00001                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-27-01678-00001                     | 0.28                  | 1.59                         | 0.50              | 0.61            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01678-00002                     | 0.28                  | 1.59                         | 0.44              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01681-00001                     | 0.28                  | 1.59                         | 0.44              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite                                      | AND-N-27-01687-00001                     | 0.31                  | 1.76                         | 0.44              | 0.55            | 27        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                          |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame Picture<br>(w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01296-00003                     | 0.33                  | 1.87                         | 0.27              | 0.45            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01308-00001                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01320-00001                     | 0.34                  | 1.93                         | 0.27              | 0.45            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01297-00003                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01309-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01321-00001                     | 0.35                  | 1.99                         | 0.17              | 0.25            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01298-00003                     | 0.32                  | 1.82                         | 0.18              | 0.40            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01310-00001                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-27-01322-00001                     | 0.34                  | 1.93                         | 0.18              | 0.40            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01295-00003                     | 0.34                  | 1.93                         | 0.44              | 0.50            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01307-00001                     | 0.34                  | 1.93                         | 0.49              | 0.56            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-27-01319-00001                     | 0.35                  | 1.99                         | 0.44              | 0.50            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01679-00003                     | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01685-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite                                      | AND-N-27-01691-00001                     | 0.30                  | 1.70                         | 0.26              | 0.44            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01680-00003                     | 0.27                  | 1.53                         | 0.18              | 0.40            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01686-00001                     | 0.27                  | 1.53                         | 0.20              | 0.45            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite                                      | AND-N-27-01692-00001                     | 0.30                  | 1.70                         | 0.18              | 0.40            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> |                              |                   |                 | SHGC <sup>2</sup> |            |            |       | Canada ER | Air Infiltration |        |        |        | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |  |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-------------------|------------|------------|-------|-----------|------------------|--------|--------|--------|------------------------|--------|--------------------------|---|--|
|   |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | V7 <sup>3</sup> | North             | N. Central | S. Central | South |           | Zone 1           | Zone 2 | Zone 3 | Zone 1 | Zone 2                 | Zone 3 |                          |   |  |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01678-00003                     | 0.28                  | 1.59                         | 0.40              | 0.48            | 28                | < 0.2      | N          | NC    | -         | -                | Z1     | -      | -      | Z1                     | Z2     | -                        |   |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01684-00001                     | 0.28                  | 1.59                         | 0.44              | 0.55            | 30                | < 0.2      | N          | -     | -         | -                | Z1     | Z2     | -      | -                      | -      | -                        |   |  |
|   |   | Full Divided Lite                                      | AND-N-27-01690-00001                     | 0.31                  | 1.76                         | 0.40              | 0.48            | 24                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |   |  |
|   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |                   |            |            |       |           |                  |        |        |        |                        |        |                          |   |  |
|   | Low-E4®   | No Grilles   | AND-N-27-01326-00001                     | 0.33                  | 1.87                         | 0.33              | 0.56            | 18                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01326-00002                     | 0.33                  | 1.87                         | 0.30              | 0.50            | 16                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01332-00001                     | 0.33                  | 1.87                         | 0.30              | 0.50            | 16                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® Sun   | Full Divided Lite                                      | AND-N-27-01344-00001                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | No Grilles   | AND-N-27-01327-00001                     | 0.33                  | 1.87                         | 0.20              | 0.31            | 10                | < 0.2      | -          | -     | -         | S                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01327-00002                     | 0.33                  | 1.87                         | 0.19              | 0.27            | 10                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01333-00001                     | 0.33                  | 1.87                         | 0.19              | 0.27            | 10                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01345-00001                     | 0.35                  | 1.99                         | 0.19              | 0.27            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | No Grilles   | AND-N-27-01328-00001                     | 0.32                  | 1.82                         | 0.22              | 0.51            | 13                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® PassiveSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01328-00002                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01334-00001                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01346-00001                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-27-01325-00001                     | 0.33                  | 1.87                         | 0.53              | 0.62            | 29                | < 0.2      | -          | -     | -         | Z1               | Z2     | -      | -      | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01325-00002                     | 0.33                  | 1.87                         | 0.48              | 0.55            | 27                | < 0.2      | -          | -     | -         | Z1               | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01331-00001                     | 0.33                  | 1.87                         | 0.48              | 0.55            | 27                | < 0.2      | -          | -     | -         | Z1               | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® SmartSun™ w/ Heatlock™  | Full Divided Lite                                      | AND-N-27-01343-00001                     | 0.35                  | 1.99                         | 0.48              | 0.55            | 24                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | No Grilles   | AND-N-27-01694-00001                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25                | < 0.2      | N          | NC    | -         | Z1               | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01694-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23                | < 0.2      | N          | NC    | -         | Z1               | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4®   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01697-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23                | < 0.2      | N          | NC    | -         | Z1               | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01703-00001                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19                | < 0.2      | -          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | No Grilles   | AND-N-27-01695-00001                     | 0.27                  | 1.53                         | 0.22              | 0.50            | 19                | < 0.2      | N          | NC    | SC        | S                | Z1     | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® PassiveSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01695-00002                     | 0.27                  | 1.53                         | 0.20              | 0.44            | 18                | < 0.2      | N          | NC    | SC        | S                | Z1     | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01698-00001                     | 0.27                  | 1.53                         | 0.20              | 0.44            | 18                | < 0.2      | N          | NC    | SC        | S                | Z1     | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01704-00001                     | 0.30                  | 1.70                         | 0.20              | 0.44            | 14                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® PassiveSun™ w/ Heatlock™  | No Grilles   | AND-N-27-01693-00001                     | 0.28                  | 1.59                         | 0.48              | 0.61            | 33                | < 0.2      | N          | -     | -         | Z1               | Z2     | -      | -      | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01693-00002                     | 0.28                  | 1.59                         | 0.43              | 0.54            | 30                | < 0.2      | N          | -     | -         | Z1               | Z2     | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01696-00001                     | 0.28                  | 1.59                         | 0.43              | 0.54            | 30                | < 0.2      | N          | -     | -         | Z1               | Z2     | -      | -      | -                      | -      | -                        | - |  |
|   | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |                   |            |            |       |           |                  |        |        |        |                        |        |                          |   |  |
| 400 Series Sliding Double-Hung  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01326-00003                     | 0.33                  | 1.87                         | 0.27              | 0.45            | 14                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01338-00001                     | 0.35                  | 1.99                         | 0.30              | 0.50            | 14                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01350-00001                     | 0.34                  | 1.93                         | 0.27              | 0.45            | 13                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01327-00003                     | 0.33                  | 1.87                         | 0.17              | 0.24            | 9                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01339-00001                     | 0.35                  | 1.99                         | 0.19              | 0.27            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01351-00001                     | 0.34                  | 1.93                         | 0.17              | 0.24            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01328-00003                     | 0.32                  | 1.82                         | 0.18              | 0.40            | 10                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01340-00001                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01352-00001                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® PassiveSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01325-00003                     | 0.33                  | 1.87                         | 0.43              | 0.49            | 24                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01337-00001                     | 0.35                  | 1.99                         | 0.48              | 0.55            | 24                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01349-00001                     | 0.34                  | 1.93                         | 0.43              | 0.49            | 22                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01694-00003                     | 0.27                  | 1.53                         | 0.26              | 0.44            | 21                | < 0.2      | N          | NC    | -         | Z1               | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01700-00001                     | 0.31                  | 1.76                         | 0.29              | 0.49            | 18                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite                                      | AND-N-27-01706-00001                     | 0.30                  | 1.70                         | 0.26              | 0.44            | 18                | < 0.2      | -          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        | - |  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame Picture<br>(w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable        | AND-N-27-01695-00003                     | 0.27                  | 1.53                         | 0.18              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01701-00001                     | 0.30                  | 1.70                         | 0.20              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01707-00001                     | 0.30                  | 1.70                         | 0.18              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-27-01693-00003                     | 0.28                  | 1.59                         | 0.39              | 0.48            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01699-00001                     | 0.31                  | 1.76                         | 0.43              | 0.54            | 26        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01705-00001                     | 0.30                  | 1.70                         | 0.39              | 0.48            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | - |
|   | 4.7 Annealed or 4.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
|   | Low-E4®   | No Grilles  | AND-N-27-01356-00001                     | 0.33                  | 1.87                         | 0.33              | 0.56            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01362-00001                     | 0.33                  | 1.87                         | 0.30              | 0.50            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01374-00001                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | No Grilles  | AND-N-27-01357-00001                     | 0.33                  | 1.87                         | 0.21              | 0.31            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01363-00001                     | 0.33                  | 1.87                         | 0.19              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01375-00001                     | 0.34                  | 1.93                         | 0.19              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | No Grilles  | AND-N-27-01358-00001                     | 0.32                  | 1.82                         | 0.22              | 0.50            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01364-00001                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01376-00001                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | No Grilles  | AND-N-27-01355-00001                     | 0.33                  | 1.87                         | 0.52              | 0.62            | 29        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01361-00001                     | 0.33                  | 1.87                         | 0.47              | 0.55            | 26        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® PassiveSun®   | Full Divided Lite   | AND-N-27-01373-00001                     | 0.35                  | 1.99                         | 0.47              | 0.55            | 23        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | No Grilles  | AND-N-27-01709-00001                     | 0.28                  | 1.59                         | 0.32              | 0.55            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-27-01709-00002                     | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01712-00001                     | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01718-00001                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | - |
|   | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-27-01710-00001                     | 0.27                  | 1.53                         | 0.22              | 0.49            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-27-01710-00002                     | 0.27                  | 1.53                         | 0.20              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01713-00001                     | 0.27                  | 1.53                         | 0.20              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01719-00001                     | 0.30                  | 1.70                         | 0.20              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | No Grilles  | AND-N-27-01708-00001                     | 0.28                  | 1.59                         | 0.47              | 0.60            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | - |
|   | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable        | AND-N-27-01708-00002                     | 0.28                  | 1.59                         | 0.42              | 0.54            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01711-00001                     | 0.28                  | 1.59                         | 0.42              | 0.54            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | - |
|   |   | Full Divided Lite   | AND-N-27-01717-00001                     | 0.31                  | 1.76                         | 0.42              | 0.54            | 26        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | - |
|   |   | 4.7 Annealed or 4.7 Tempered Glass - w/ Grilles 1" or Greater |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4®   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01368-00001                     | 0.35                  | 1.99                         | 0.30              | 0.50            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01380-00001                     | 0.34                  | 1.93                         | 0.27              | 0.44            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01369-00001                     | 0.35                  | 1.99                         | 0.19              | 0.27            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01381-00001                     | 0.34                  | 1.93                         | 0.17              | 0.24            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01369-00001                     | 0.35                  | 1.99                         | 0.20              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01382-00001                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01367-00001                     | 0.35                  | 1.99                         | 0.47              | 0.55            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4® Passivesun™   | Full Divided Lite   | AND-N-27-01379-00001                     | 0.34                  | 1.93                         | 0.42              | 0.49            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01370-00001                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01382-00001                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01367-00001                     | 0.35                  | 1.99                         | 0.47              | 0.55            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01382-00001                     | 0.34                  | 1.93                         | 0.42              | 0.49            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01370-00001                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01382-00001                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® Passivesun®   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01367-00001                     | 0.35                  | 1.99                         | 0.47              | 0.55            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-27-01379-00001                     | 0.34                  | 1.93                         | 0.42              | 0.49            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                        | AND-N-27-01369-00001                     | 0.35                  | 1.99                         | 0.47              | 0.55            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |

| Andersen® Product Line & Product Type   | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|----------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |                                  |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Tilt-Wash Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01709-00003                     | 0.28                  | 1.59                         | 0.26              | 0.43            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01715-00001                     | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01721-00001                     | 0.30                  | 1.70                         | 0.26              | 0.43            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01710-00003                     | 0.27                  | 1.53                         | 0.18              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01716-00001                     | 0.29                  | 1.65                         | 0.20              | 0.44            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01722-00001                     | 0.30                  | 1.70                         | 0.18              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01708-00003                     | 0.28                  | 1.59                         | 0.38              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01714-00001                     | 0.30                  | 1.70                         | 0.42              | 0.54            | 27        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01720-00001                     | 0.31                  | 1.76                         | 0.38              | 0.48            | 23        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   |                                  | No Grilles  | AND-N-27-01296-00004                     | 0.33                  | 1.87                         | 0.33              | 0.57            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01296-00005                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)  | AND-N-27-01302-00002                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01314-00002                     | 0.35                  | 1.99                         | 0.30              | 0.51            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | No Grilles  | AND-N-27-01297-00004                     | 0.33                  | 1.87                         | 0.21              | 0.32            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01297-00005                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01303-00002                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01315-00002                     | 0.35                  | 1.99                         | 0.19              | 0.28            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™                | No Grilles  | AND-N-27-01298-00004                     | 0.32                  | 1.82                         | 0.22              | 0.51            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01298-00005                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01304-00002                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01316-00002                     | 0.34                  | 1.93                         | 0.20              | 0.46            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | No Grilles  | AND-N-27-01295-00004                     | 0.34                  | 1.93                         | 0.51              | 0.63            | 27        | < 0.2            | -          | -          | -     | Z1                     | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01295-00005                     | 0.34                  | 1.93                         | 0.46              | 0.56            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®              | Finelight™ (grilles-between-the-glass)  | AND-N-27-01301-00002                     | 0.34                  | 1.93                         | 0.46              | 0.56            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01313-00002                     | 0.35                  | 1.99                         | 0.46              | 0.56            | 23        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01296-00006                     | 0.33                  | 1.87                         | 0.27              | 0.45            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01308-00002                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01320-00002                     | 0.34                  | 1.93                         | 0.27              | 0.45            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01297-00006                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01309-00002                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01321-00002                     | 0.35                  | 1.99                         | 0.17              | 0.25            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01298-00006                     | 0.32                  | 1.82                         | 0.18              | 0.40            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01310-00002                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01322-00002                     | 0.34                  | 1.93                         | 0.18              | 0.40            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® Passivesun®              | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01295-00006                     | 0.34                  | 1.93                         | 0.41              | 0.50            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-27-01307-00002                     | 0.34                  | 1.93                         | 0.46              | 0.56            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01319-00002                     | 0.35                  | 1.99                         | 0.41              | 0.50            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   |                                  | No Grilles  | AND-N-27-01326-00004                     | 0.33                  | 1.87                         | 0.33              | 0.56            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01326-00005                     | 0.33                  | 1.87                         | 0.30              | 0.50            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4®                          | Finelight™ (grilles-between-the-glass)  | AND-N-27-01332-00005                     | 0.33                  | 1.87                         | 0.30              | 0.50            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01344-00005                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |                                  | No Grilles  | AND-N-27-01327-00004                     | 0.33                  | 1.87                         | 0.20              | 0.31            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-27-01327-00005                     | 0.33                  | 1.87                         | 0.19              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)  | AND-N-27-01333-00005                     | 0.33                  | 1.87                         | 0.19              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |                                  | Full Divided Lite   | AND-N-27-01345-00005                     | 0.35                  | 1.99                         | 0.19              | 0.27            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type                              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | Air Infiltration      |                                 |                   |                 |           |       |            | U.S.<br>ENERGY<br>STAR<br>v 6.0 |       | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |   |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|-------|------------|---------------------------------|-------|-----------------------------------|--------|--------|---|
|  |  |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central                      | South | Zone 1                            | Zone 2 | Zone 3 |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame Picture<br>(w/ Capillary<br>Breather Tubes) | Low-E4®<br>SmartSun™                                   | No Grilles   | AND-N-27-01328-00004                           | 0.32                  | 1.82                            | 0.22              | 0.51            | 13        | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01328-00005                           | 0.32                  | 1.82                            | 0.20              | 0.45            | 11        | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01334-00005                           | 0.32                  | 1.82                            | 0.20              | 0.45            | 11        | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |  | Full Divided Lite                                      | AND-N-27-01346-00005                           | 0.34                  | 1.93                            | 0.20              | 0.45            | 9         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  | Low-E4®<br>PassiveSun®                                 | No Grilles   | AND-N-27-01325-00004                           | 0.33                  | 1.87                            | 0.53              | 0.62            | 29        | < 0.2 | -          | -                               | -     | Z1                                | Z2     | -      | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01325-00005                           | 0.33                  | 1.87                            | 0.48              | 0.55            | 27        | < 0.2 | -          | -                               | -     | Z1                                | -      | -      | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01331-00005                           | 0.33                  | 1.87                            | 0.45              | 0.55            | 25        | < 0.2 | -          | -                               | -     | Z1                                | -      | -      | - |
|  |  | Full Divided Lite                                      | AND-N-27-01343-00005                           | 0.35                  | 1.99                            | 0.45              | 0.55            | 22        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |
| 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater                            |  |  |  |                       |                                 |                   |                 |           |       |            |                                 |       |                                   |        |        |   |
| Low-E4®<br>Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01326-00006                                   | 0.33   | 1.87                  | 0.27                            | 0.45              | 14              | < 0.2     | -     | -          | -                               | -     | -                                 | -      | -      |   |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01338-00005                                   | 0.35   | 1.99                  | 0.30                            | 0.50              | 14              | < 0.2     | -     | -          | -                               | -     | -                                 | -      | -      |   |
|  | Full Divided Lite                                      | AND-N-27-01350-00005                                   | 0.34   | 1.93                  | 0.27                            | 0.45              | 13              | < 0.2     | -     | -          | -                               | -     | -                                 | -      | -      |   |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01327-00006                                   | 0.33   | 1.87                  | 0.17                            | 0.24              | 9               | < 0.2     | -     | -          | -                               | S     | -                                 | -      | -      |   |
| Low-E4®<br>SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01339-00005                                   | 0.35   | 1.99                  | 0.19                            | 0.27              | 7               | < 0.2     | -     | -          | -                               | S     | -                                 | -      | -      |   |
|  | Full Divided Lite                                      | AND-N-27-01351-00005                                   | 0.34   | 1.93                  | 0.17                            | 0.24              | 7               | < 0.2     | -     | -          | -                               | S     | -                                 | -      | -      |   |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01328-00006                                   | 0.32   | 1.82                  | 0.18                            | 0.40              | 10              | < 0.2     | -     | -          | -                               | S     | -                                 | -      | -      |   |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01340-00005                                   | 0.34   | 1.93                  | 0.20                            | 0.45              | 9               | < 0.2     | -     | -          | -                               | S     | -                                 | -      | -      |   |
| Low-E4®<br>PassiveSun®   | Full Divided Lite                                      | AND-N-27-01352-00005                                   | 0.33   | 1.87                  | 0.18                            | 0.40              | 9               | < 0.2     | -     | -          | -                               | S     | -                                 | -      | -      |   |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-27-01325-00006                                   | 0.33   | 1.87                  | 0.43                            | 0.49              | 24              | < 0.2     | -     | -          | -                               | -     | -                                 | -      | -      |   |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-27-01337-00005                                   | 0.35   | 1.99                  | 0.45                            | 0.55              | 22              | < 0.2     | -     | -          | -                               | -     | -                                 | -      | -      |   |
|  | Full Divided Lite                                      | AND-N-27-01349-00005                                   | 0.34   | 1.93                  | 0.40                            | 0.49              | 21              | < 0.2     | -     | -          | -                               | -     | -                                 | -      | -      |   |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame Transom                                | Low-E4®                          | No Grilles   | AND-N-76-00702-00001                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00702-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00708-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00720-00001                     | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-76-00703-00001                     | 0.27                  | 1.53                         | 0.19              | 0.31            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00703-00002                     | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00709-00001                     | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00721-00001                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-76-00704-00001                     | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00704-00002                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00710-00001                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00722-00001                     | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-76-00701-00001                     | 0.27                  | 1.53                         | 0.53              | 0.60            | 37        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00701-00002                     | 0.27                  | 1.53                         | 0.47              | 0.54            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00707-00001                     | 0.27                  | 1.53                         | 0.47              | 0.54            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00719-00001                     | 0.29                  | 1.65                         | 0.47              | 0.54            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-76-00888-00001                     | 0.23                  | 1.31                         | 0.31              | 0.54            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00888-00002                     | 0.23                  | 1.31                         | 0.28              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00891-00001                     | 0.23                  | 1.31                         | 0.28              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00897-00001                     | 0.25                  | 1.42                         | 0.28              | 0.48            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-76-00889-00001                     | 0.22                  | 1.25                         | 0.21              | 0.48            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00889-00002                     | 0.22                  | 1.25                         | 0.19              | 0.43            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00892-00001                     | 0.22                  | 1.25                         | 0.19              | 0.43            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00898-00001                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-76-00887-00001                     | 0.23                  | 1.31                         | 0.48              | 0.59            | 39        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00887-00002                     | 0.23                  | 1.31                         | 0.43              | 0.53            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00890-00001                     | 0.23                  | 1.31                         | 0.43              | 0.53            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-76-00896-00001                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame Transom                                | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00702-00003                     | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00714-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00726-00001                     | 0.30                  | 1.70                         | 0.26              | 0.43            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00703-00003                     | 0.27                  | 1.53                         | 0.16              | 0.24            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00715-00001                     | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00727-00001                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00704-00003                     | 0.26                  | 1.48                         | 0.17              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00716-00001                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-76-00728-00001                     | 0.29                  | 1.65                         | 0.17              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00701-00003                     | 0.27                  | 1.53                         | 0.42              | 0.48            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00713-00001                     | 0.27                  | 1.53                         | 0.47              | 0.54            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00725-00001                     | 0.30                  | 1.70                         | 0.42              | 0.48            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00888-00003                     | 0.23                  | 1.31                         | 0.25              | 0.42            | 26        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00894-00001                     | 0.23                  | 1.31                         | 0.28              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00900-00001                     | 0.26                  | 1.48                         | 0.25              | 0.42            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00889-00003                     | 0.22                  | 1.25                         | 0.17              | 0.38            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00895-00001                     | 0.22                  | 1.25                         | 0.19              | 0.43            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00901-00001                     | 0.26                  | 1.48                         | 0.17              | 0.38            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |

| Andersen® Product Line & Product Type               | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame Transom | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00887-00003                     | 0.23                  | 1.31                         | 0.38              | 0.46            | 33        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00893-00001                     | 0.23                  | 1.31                         | 0.43              | 0.53            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |   | Full Divided Lite   | AND-N-76-00899-00001                     | 0.27                  | 1.53                         | 0.38              | 0.46            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   | Low-E4®   | No Grilles  | AND-N-76-00702-00004                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00702-00005                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00708-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   | Low-E4® Sun   | Full Divided Lite   | AND-N-76-00720-00002                     | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | No Grilles  | AND-N-76-00703-00004                     | 0.27                  | 1.53                         | 0.19              | 0.31            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00703-00005                     | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00709-00002                     | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00721-00002                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | No Grilles  | AND-N-76-00704-00004                     | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00704-00005                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00710-00002                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00722-00002                     | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4®   | No Grilles  | AND-N-76-00701-00004                     | 0.27                  | 1.53                         | 0.50              | 0.60            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00701-00005                     | 0.27                  | 1.53                         | 0.44              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00707-00002                     | 0.27                  | 1.53                         | 0.44              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   | Low-E4® Sun   | Full Divided Lite   | AND-N-76-00719-00002                     | 0.29                  | 1.65                         | 0.44              | 0.54            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00702-00006                     | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   | Low-E4®   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00714-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00726-00002                     | 0.30                  | 1.70                         | 0.26              | 0.43            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00703-00006                     | 0.27                  | 1.53                         | 0.16              | 0.24            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00715-00002                     | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00727-00002                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00704-00006                     | 0.26                  | 1.48                         | 0.17              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00716-00002                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00728-00002                     | 0.29                  | 1.65                         | 0.17              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00701-00006                     | 0.27                  | 1.53                         | 0.40              | 0.48            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   | Low-E4® PassiveSun®   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00713-00002                     | 0.27                  | 1.53                         | 0.44              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |   | Full Divided Lite   | AND-N-76-00725-00002                     | 0.30                  | 1.70                         | 0.40              | 0.48            | 26        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   | Low-E4®   | No Grilles  | AND-N-76-00732-00001                     | 0.26                  | 1.48                         | 0.31              | 0.54            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00732-00002                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00737-00001                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   | Low-E4® Sun   | Full Divided Lite   | AND-N-76-00747-00001                     | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | No Grilles  | AND-N-76-00733-00001                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00733-00002                     | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00738-00001                     | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00748-00001                     | 0.28                  | 1.59                         | 0.17              | 0.26            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | No Grilles  | AND-N-76-00734-00001                     | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00734-00002                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00739-00001                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite   | AND-N-76-00749-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type               | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |    |  |  |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|----|--|--|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |    |  |  |
| 400 Series Tilt-Wash Double-Hung Full-Frame Transom | Low-E4® PassiveSun®   | No Grilles   | AND-N-76-00731-00001                     | 0.27                  | 1.53                         | 0.48              | 0.60            | 34        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00731-00002                     | 0.27                  | 1.53                         | 0.43              | 0.53            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00736-00001                     | 0.27                  | 1.53                         | 0.43              | 0.53            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|   |   | Full Divided Lite                                      | AND-N-76-00746-00001                     | 0.29                  | 1.65                         | 0.43              | 0.53            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |  |  |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00732-00003                     | 0.26                  | 1.48                         | 0.25              | 0.43            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00742-00001                     | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|   |   | Full Divided Lite                                      | AND-N-76-00752-00001                     | 0.29                  | 1.65                         | 0.25              | 0.43            | 18        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00733-00003                     | 0.27                  | 1.53                         | 0.16              | 0.23            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00743-00001                     | 0.28                  | 1.59                         | 0.17              | 0.26            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|   |   | Full Divided Lite                                      | AND-N-76-00753-00001                     | 0.30                  | 1.70                         | 0.16              | 0.23            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00734-00003                     | 0.26                  | 1.48                         | 0.17              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00744-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|   |   | Full Divided Lite                                      | AND-N-76-00754-00001                     | 0.29                  | 1.65                         | 0.17              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00731-00003                     | 0.27                  | 1.53                         | 0.39              | 0.47            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1     | Z2                       | -  |  |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00741-00001                     | 0.28                  | 1.59                         | 0.43              | 0.53            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|   |   | Full Divided Lite                                      | AND-N-76-00751-00001                     | 0.30                  | 1.70                         | 0.39              | 0.47            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |  |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame Transom (w/ Capillary Breather Tubes)  | Low-E4®                          | No Grilles   | AND-N-76-00569-00001                     | 0.30                  | 1.70                         | 0.32              | 0.55            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00569-00002                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00575-00001                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00587-00001                     | 0.32                  | 1.82                         | 0.29              | 0.49            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  | Low-E4® Sun                      | No Grilles   | AND-N-76-00570-00001                     | 0.31                  | 1.76                         | 0.20              | 0.31            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00570-00002                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00576-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00588-00001                     | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-76-00571-00001                     | 0.30                  | 1.70                         | 0.21              | 0.49            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00571-00002                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00577-00001                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00589-00001                     | 0.31                  | 1.76                         | 0.19              | 0.44            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-76-00568-00001                     | 0.31                  | 1.76                         | 0.53              | 0.60            | 32        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00568-00002                     | 0.31                  | 1.76                         | 0.47              | 0.54            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00574-00001                     | 0.31                  | 1.76                         | 0.47              | 0.54            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00586-00001                     | 0.32                  | 1.82                         | 0.47              | 0.54            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-76-00834-00001                     | 0.25                  | 1.42                         | 0.31              | 0.54            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00834-00002                     | 0.25                  | 1.42                         | 0.28              | 0.48            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00837-00001                     | 0.25                  | 1.42                         | 0.28              | 0.48            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00843-00001                     | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-76-00835-00001                     | 0.25                  | 1.42                         | 0.21              | 0.48            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00835-00002                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00838-00001                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00844-00001                     | 0.27                  | 1.53                         | 0.19              | 0.43            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-76-00833-00001                     | 0.26                  | 1.48                         | 0.48              | 0.59            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00833-00002                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00836-00001                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00842-00001                     | 0.28                  | 1.59                         | 0.43              | 0.53            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Tilt-Wash Double-Hung Full-Frame Transom (w/ Capillary Breather Tubes)  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00569-00003                     | 0.30                  | 1.70                         | 0.26              | 0.43            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00581-00001                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00593-00001                     | 0.31                  | 1.76                         | 0.26              | 0.43            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00570-00003                     | 0.31                  | 1.76                         | 0.16              | 0.24            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00582-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00594-00001                     | 0.32                  | 1.82                         | 0.16              | 0.24            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00571-00003                     | 0.30                  | 1.70                         | 0.17              | 0.39            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00583-00001                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-76-00595-00001                     | 0.31                  | 1.76                         | 0.17              | 0.39            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00568-00003                     | 0.31                  | 1.76                         | 0.42              | 0.48            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00580-00001                     | 0.31                  | 1.76                         | 0.47              | 0.54            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-76-00592-00001                     | 0.32                  | 1.82                         | 0.42              | 0.48            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00834-00003                     | 0.25                  | 1.42                         | 0.25              | 0.42            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00840-00001                     | 0.25                  | 1.42                         | 0.28              | 0.48            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00846-00001                     | 0.28                  | 1.59                         | 0.25              | 0.42            | 19        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00835-00003                     | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00841-00001                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-76-00847-00001                     | 0.27                  | 1.53                         | 0.17              | 0.38            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame<br>Transom (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>PassiveSun®<br>w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00833-00003                     | 0.26                  | 1.48                         | 0.38              | 0.46            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00839-00001                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | - |
|   |   | Full Divided Lite   | AND-N-76-00845-00001                     | 0.28                  | 1.59                         | 0.38              | 0.46            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | - |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
|   | Low-E4®   | No Grilles  | AND-N-76-00569-00004                     | 0.30                  | 1.70                         | 0.32              | 0.55            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00569-00005                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00575-00002                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-76-00587-00002                     | 0.32                  | 1.82                         | 0.29              | 0.49            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4® Sun   | No Grilles  | AND-N-76-00570-00004                     | 0.31                  | 1.76                         | 0.20              | 0.31            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00570-00005                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00576-00002                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-76-00588-00002                     | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-76-00571-00004                     | 0.30                  | 1.70                         | 0.21              | 0.49            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00571-00005                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00577-00002                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Full Divided Lite   | AND-N-76-00589-00002                     | 0.31                  | 1.76                         | 0.19              | 0.44            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® PassiveSun®   | No Grilles  | AND-N-76-00568-00004                     | 0.31                  | 1.76                         | 0.50              | 0.60            | 30        | < 0.2            | -          | -          | -     | -                      | Z1                       | Z2 | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00568-00005                     | 0.31                  | 1.76                         | 0.44              | 0.54            | 27        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00574-00002                     | 0.31                  | 1.76                         | 0.44              | 0.54            | 27        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | - |
|   |   | Full Divided Lite   | AND-N-76-00586-00002                     | 0.32                  | 1.82                         | 0.44              | 0.54            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | - |
| 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater                               |   |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
| Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00569-00006  | 0.30                                     | 1.70                  | 0.26                         | 0.43              | 18              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00581-00002  | 0.30                                     | 1.70                  | 0.29                         | 0.49              | 19              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |   |
|   | Full Divided Lite   | AND-N-76-00593-00002  | 0.31                                     | 1.76                  | 0.26                         | 0.43              | 16              | < 0.2     | -                | -          | -          | -     | -                      | -                        | -  |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00570-00006  | 0.31                                     | 1.76                  | 0.16                         | 0.24              | 11              | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |   |
| Low-E4® Sun   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00582-00002  | 0.31                                     | 1.76                  | 0.18                         | 0.27              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |   |
|   | Full Divided Lite   | AND-N-76-00594-00002  | 0.32                                     | 1.82                  | 0.16                         | 0.24              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00571-00006  | 0.30                                     | 1.70                  | 0.17                         | 0.39              | 12              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00583-00002  | 0.30                                     | 1.70                  | 0.19                         | 0.44              | 14              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
| Low-E4® SmartSun™   | Full Divided Lite   | AND-N-76-00595-00002  | 0.31                                     | 1.76                  | 0.17                         | 0.39              | 11              | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00568-00006  | 0.31                                     | 1.76                  | 0.40                         | 0.48              | 24              | < 0.2     | -                | -          | -          | -     | -                      | -                        | -  |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00580-00002  | 0.31                                     | 1.76                  | 0.44                         | 0.54              | 27              | < 0.2     | -                | -          | -          | -     | Z1                     | -                        | -  |   |
|   | Full Divided Lite   | AND-N-76-00592-00002  | 0.32                                     | 1.82                  | 0.40                         | 0.48              | 23              | < 0.2     | -                | -          | -          | -     | -                      | -                        | -  |   |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
| Low-E4®   | No Grilles  | AND-N-76-00599-00001  | 0.30                                     | 1.70                  | 0.32                         | 0.54              | 21              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00599-00002  | 0.30                                     | 1.70                  | 0.29                         | 0.48              | 19              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00604-00001  | 0.30                                     | 1.70                  | 0.29                         | 0.48              | 19              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |   |
|   | Full Divided Lite   | AND-N-76-00614-00001  | 0.31                                     | 1.76                  | 0.29                         | 0.48              | 18              | < 0.2     | -                | -          | -          | -     | -                      | -                        | -  |   |
| Low-E4® Sun   | No Grilles  | AND-N-76-00600-00001  | 0.30                                     | 1.70                  | 0.20                         | 0.30              | 14              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00600-00002  | 0.30                                     | 1.70                  | 0.18                         | 0.26              | 13              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00605-00001  | 0.30                                     | 1.70                  | 0.18                         | 0.26              | 13              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Full Divided Lite   | AND-N-76-00615-00001  | 0.32                                     | 1.82                  | 0.18                         | 0.26              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |   |
| Low-E4® SmartSun™   | No Grilles  | AND-N-76-00601-00001  | 0.29                                     | 1.65                  | 0.22                         | 0.49              | 16              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-76-00601-00002  | 0.29                                     | 1.65                  | 0.19                         | 0.44              | 15              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-76-00606-00001  | 0.29                                     | 1.65                  | 0.19                         | 0.44              | 15              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |   |
|   | Full Divided Lite   | AND-N-76-00616-00001  | 0.31                                     | 1.76                  | 0.19                         | 0.44              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |   |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series<br>Tilt-Wash<br>Double-Hung<br>Full-Frame<br>Transom (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>PassiveSun®  | No Grilles   | AND-N-76-00598-00001                     | 0.30                  | 1.70                         | 0.48              | 0.60            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |   |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00598-00002                     | 0.30                  | 1.70                         | 0.43              | 0.53            | 27        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - |   |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00603-00001                     | 0.30                  | 1.70                         | 0.43              | 0.53            | 27        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - |   |
|   |   | Full Divided Lite                                      | AND-N-76-00613-00001                     | 0.32                  | 1.82                         | 0.43              | 0.53            | 25        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00599-00003                     | 0.30                  | 1.70                         | 0.26              | 0.43            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00609-00001                     | 0.31                  | 1.76                         | 0.29              | 0.48            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|   |   | Full Divided Lite                                      | AND-N-76-00619-00001                     | 0.31                  | 1.76                         | 0.26              | 0.43            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00600-00003                     | 0.30                  | 1.70                         | 0.16              | 0.23            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00610-00001                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|   |   | Full Divided Lite                                      | AND-N-76-00620-00001                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00601-00003                     | 0.29                  | 1.65                         | 0.18              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00611-00001                     | 0.31                  | 1.76                         | 0.19              | 0.44            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|   |   | Full Divided Lite                                      | AND-N-76-00621-00001                     | 0.30                  | 1.70                         | 0.18              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|   | Low-E4®<br>PassiveSun®  | Simulated Divided Lite or Installed Interior Removable | AND-N-76-00598-00003                     | 0.30                  | 1.70                         | 0.39              | 0.47            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | - |   |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-76-00608-00001                     | 0.32                  | 1.82                         | 0.43              | 0.53            | 25        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|   |   | Full Divided Lite                                      | AND-N-76-00618-00001                     | 0.32                  | 1.82                         | 0.39              | 0.47            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Tilt-Wash Double-Hung Insert  | Low-E4®                          | No Grilles   | AND-N-132-00148-00001                    | 0.31                  | 1.76                         | 0.31              | 0.54            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00154-00001                    | 0.31                  | 1.76                         | 0.28              | 0.48            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00160-00001                    | 0.32                  | 1.82                         | 0.28              | 0.48            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00172-00001                    | 0.32                  | 1.82                         | 0.28              | 0.48            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-132-00149-00001                    | 0.31                  | 1.76                         | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00155-00001                    | 0.31                  | 1.76                         | 0.18              | 0.27            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00161-00001                    | 0.32                  | 1.82                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00173-00001                    | 0.33                  | 1.87                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-132-00150-00001                    | 0.30                  | 1.70                         | 0.21              | 0.48            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00156-00001                    | 0.30                  | 1.70                         | 0.19              | 0.43            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00162-00001                    | 0.31                  | 1.76                         | 0.19              | 0.43            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00174-00001                    | 0.32                  | 1.82                         | 0.19              | 0.43            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-132-00251-00001                    | 0.32                  | 1.82                         | 0.51              | 0.59            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00251-00002                    | 0.32                  | 1.82                         | 0.46              | 0.53            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00252-00001                    | 0.32                  | 1.82                         | 0.46              | 0.53            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00254-00001                    | 0.33                  | 1.87                         | 0.46              | 0.53            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-132-00312-00001                    | 0.27                  | 1.53                         | 0.31              | 0.52            | 23        | < 0.2            | N          | NC         | -     | Z1                     | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00312-00002                    | 0.27                  | 1.53                         | 0.28              | 0.47            | 21        | < 0.2            | N          | NC         | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00315-00001                    | 0.29                  | 1.65                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00321-00001                    | 0.28                  | 1.59                         | 0.28              | 0.47            | 20        | < 0.2            | -          | NC         | -     | Z1                     | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-132-00313-00001                    | 0.27                  | 1.53                         | 0.21              | 0.47            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00313-00002                    | 0.27                  | 1.53                         | 0.19              | 0.42            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00316-00001                    | 0.28                  | 1.59                         | 0.19              | 0.42            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00322-00001                    | 0.28                  | 1.59                         | 0.19              | 0.42            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-132-00311-00001                    | 0.28                  | 1.59                         | 0.47              | 0.58            | 31        | < 0.2            | N          | -          | -     | Z1                     | Z2                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00311-00002                    | 0.28                  | 1.59                         | 0.42              | 0.51            | 28        | < 0.2            | N          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00314-00001                    | 0.29                  | 1.65                         | 0.42              | 0.51            | 27        | < 0.2            | N          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00320-00001                    | 0.28                  | 1.59                         | 0.42              | 0.51            | 28        | < 0.2            | N          | -          | -     | Z1                     | -                        | -      |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Tilt-Wash Double-Hung Insert  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00154-00002                    | 0.31                  | 1.76                         | 0.25              | 0.42            | 15        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00166-00001                    | 0.32                  | 1.82                         | 0.25              | 0.42            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00155-00002                    | 0.31                  | 1.76                         | 0.16              | 0.23            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00167-00001                    | 0.32                  | 1.82                         | 0.16              | 0.23            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00156-00002                    | 0.30                  | 1.70                         | 0.17              | 0.38            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00168-00001                    | 0.31                  | 1.76                         | 0.17              | 0.38            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00251-00003                    | 0.32                  | 1.82                         | 0.41              | 0.46            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00253-00001                    | 0.32                  | 1.82                         | 0.41              | 0.46            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00312-00003                    | 0.27                  | 1.53                         | 0.25              | 0.41            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00318-00001                    | 0.29                  | 1.65                         | 0.25              | 0.41            | 17        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00313-00003                    | 0.27                  | 1.53                         | 0.17              | 0.37            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00319-00001                    | 0.28                  | 1.59                         | 0.17              | 0.37            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |

| Andersen® Product Line & Product Type                                 | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |        |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------|--------------------------|--------|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  | Zone 1 | Zone 2                   | Zone 3 |   |
| 400 Series Tilt-Wash Double-Hung Insert                               | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00311-00003                    | 0.28                  | 1.59                         | 0.37              | 0.45            | 25        | < 0.2            | N          | NC         | -                      | -      | Z1                       | -      | - |
|   |   | Full Divided Lite   | AND-N-132-00317-00001                    | 0.29                  | 1.65                         | 0.37              | 0.45            | 24        | < 0.2            | N          | NC         | -                      | -      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -      | -                        | -      |   |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |   |
|   |   | No Grilles  | AND-N-132-00148-00002                    | 0.31                  | 1.76                         | 0.31              | 0.54            | 18        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00154-00003                    | 0.31                  | 1.76                         | 0.28              | 0.48            | 16        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-132-00160-00002                    | 0.32                  | 1.82                         | 0.28              | 0.48            | 15        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00172-00002                    | 0.32                  | 1.82                         | 0.28              | 0.48            | 15        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
|   |   | No Grilles  | AND-N-132-00149-00002                    | 0.31                  | 1.76                         | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00155-00003                    | 0.31                  | 1.76                         | 0.18              | 0.27            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      | - |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-132-00161-00002                    | 0.32                  | 1.82                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00173-00002                    | 0.33                  | 1.87                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -                      | S      | -                        | -      | - |
|   |   | No Grilles  | AND-N-132-00150-00002                    | 0.30                  | 1.70                         | 0.21              | 0.48            | 14        | < 0.2            | -          | NC         | SC                     | S      | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00156-00003                    | 0.30                  | 1.70                         | 0.19              | 0.43            | 13        | < 0.2            | -          | NC         | SC                     | S      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-132-00162-00002                    | 0.31                  | 1.76                         | 0.19              | 0.43            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      | - |
|   | Low-E4® PassiveSun®   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00174-00002                    | 0.32                  | 1.82                         | 0.19              | 0.43            | 10        | < 0.2            | -          | -          | -                      | S      | -                        | -      | - |
|   |   | No Grilles  | AND-N-132-00255-00001                    | 0.32                  | 1.82                         | 0.49              | 0.59            | 27        | < 0.2            | -          | -          | -                      | Z1     | -                        | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00255-00002                    | 0.32                  | 1.82                         | 0.44              | 0.53            | 24        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
|   |   | Full Divided Lite   | AND-N-132-00256-00001                    | 0.32                  | 1.82                         | 0.44              | 0.53            | 24        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00258-00001                    | 0.33                  | 1.87                         | 0.44              | 0.53            | 23        | < 0.2            | -          | -          | -                      | -      | -                        | -      | - |
| 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |   |   |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |   |
| Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00154-00004   | 0.31                                     | 1.76                  | 0.25                         | 0.42              | 15              | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Full Divided Lite   | AND-N-132-00166-00002   | 0.32                                     | 1.82                  | 0.25                         | 0.42              | 13              | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00155-00004   | 0.31                                     | 1.76                  | 0.16                         | 0.23              | 10              | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Full Divided Lite   | AND-N-132-00167-00002   | 0.32                                     | 1.82                  | 0.16                         | 0.23              | 8               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
| Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)  | n/a   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00156-00004   | 0.30                                     | 1.70                  | 0.17                         | 0.38              | 11              | < 0.2     | -                | NC         | SC         | S                      | -      | -                        | -      |   |
|   | Full Divided Lite   | AND-N-132-00168-00002   | 0.31                                     | 1.76                  | 0.17                         | 0.38              | 10              | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00255-00003   | 0.32                                     | 1.82                  | 0.39                         | 0.46              | 21              | < 0.2     | -                | -          | -          | -                      | -      | -                        | -      |   |
| Low-E4® PassiveSun®   | Full Divided Lite   | AND-N-132-00257-00001   | 0.32                                     | 1.82                  | 0.39                         | 0.46              | 21              | < 0.2     | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | Finelight™ (grilles-between-the-glass)  | n/a   | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |   |
|   | No Grilles  | AND-N-132-00208-00001   | 0.33                                     | 1.87                  | 0.31                         | 0.53              | 16              | < 0.2     | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00213-00001   | 0.33                                     | 1.87                  | 0.28                         | 0.47              | 14              | < 0.2     | -                | -          | -          | -                      | -      | -                        | -      |   |
| Low-E4® Sun   | Full Divided Lite   | AND-N-132-00218-00001   | 0.34                                     | 1.93                  | 0.28                         | 0.47              | 13              | < 0.2     | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00228-00001   | 0.34                                     | 1.93                  | 0.28                         | 0.47              | 13              | < 0.2     | -                | -          | -          | -                      | -      | -                        | -      |   |
|   | No Grilles  | AND-N-132-00209-00001   | 0.34                                     | 1.93                  | 0.19                         | 0.29              | 8               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00214-00001   | 0.34                                     | 1.93                  | 0.18                         | 0.26              | 7               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Full Divided Lite   | AND-N-132-00219-00001   | 0.34                                     | 1.93                  | 0.18                         | 0.26              | 7               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
| Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00229-00001   | 0.34                                     | 1.93                  | 0.18                         | 0.26              | 7               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | No Grilles  | AND-N-132-00210-00001   | 0.33                                     | 1.87                  | 0.21                         | 0.48              | 10              | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00215-00001   | 0.33                                     | 1.87                  | 0.19                         | 0.43              | 9               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Full Divided Lite   | AND-N-132-00220-00001   | 0.33                                     | 1.87                  | 0.19                         | 0.43              | 9               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-132-00230-00001   | 0.34                                     | 1.93                  | 0.19                         | 0.43              | 8               | < 0.2     | -                | -          | -          | S                      | -      | -                        | -      |   |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Tilt-Wash Double-Hung Insert | Low-E4® PassiveSun®   | No Grilles  | AND-N-132-00259-00001                    | 0.34                  | 1.93                         | 0.47              | 0.59            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-132-00259-00002                    | 0.34                  | 1.93                         | 0.42              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-132-00260-00001                    | 0.34                  | 1.93                         | 0.42              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-132-00262-00001                    | 0.35                  | 1.99                         | 0.42              | 0.52            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-132-00213-00002                    | 0.33                  | 1.87                         | 0.25              | 0.42            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-132-00223-00001                    | 0.33                  | 1.87                         | 0.25              | 0.42            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-132-00214-00002                    | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® Sun   | Full Divided Lite   | AND-N-132-00224-00001                    | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-132-00215-00002                    | 0.33                  | 1.87                         | 0.17              | 0.38            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-132-00225-00001                    | 0.33                  | 1.87                         | 0.17              | 0.38            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-132-00259-00003                    | 0.34                  | 1.93                         | 0.38              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-132-00261-00001                    | 0.34                  | 1.93                         | 0.38              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-132-00259-00004                    | 0.34                  | 1.93                         | 0.38              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite   | AND-N-132-00261-00002                    | 0.34                  | 1.93                         | 0.38              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                                | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Tilt-Wash Double-Hung Insert (w/ Capillary Breather Tubes)              | Low-E4®                          | No Grilles   | AND-N-132-00033-00001                    | 0.35                  | 1.99                         | 0.32              | 0.54            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00039-00001                    | 0.35                  | 1.99                         | 0.28              | 0.48            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00045-00001                    | 0.36                  | 2.04                         | 0.28              | 0.48            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00057-00001                    | 0.37                  | 2.10                         | 0.28              | 0.48            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-132-00034-00001                    | 0.36                  | 2.04                         | 0.20              | 0.30            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00040-00001                    | 0.36                  | 2.04                         | 0.18              | 0.27            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00046-00001                    | 0.37                  | 2.10                         | 0.18              | 0.27            | 3         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00058-00001                    | 0.37                  | 2.10                         | 0.18              | 0.27            | 3         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-132-00035-00001                    | 0.35                  | 1.99                         | 0.21              | 0.48            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00041-00001                    | 0.35                  | 1.99                         | 0.19              | 0.43            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00047-00001                    | 0.36                  | 2.04                         | 0.19              | 0.43            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00059-00001                    | 0.36                  | 2.04                         | 0.19              | 0.43            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-132-00235-00001                    | 0.36                  | 2.04                         | 0.51              | 0.59            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00235-00002                    | 0.36                  | 2.04                         | 0.46              | 0.53            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00236-00001                    | 0.37                  | 2.10                         | 0.46              | 0.53            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00238-00001                    | 0.37                  | 2.10                         | 0.46              | 0.53            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-132-00276-00001                    | 0.30                  | 1.70                         | 0.31              | 0.52            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00276-00002                    | 0.30                  | 1.70                         | 0.28              | 0.47            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00279-00001                    | 0.32                  | 1.82                         | 0.28              | 0.47            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00285-00001                    | 0.31                  | 1.76                         | 0.28              | 0.47            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-132-00277-00001                    | 0.30                  | 1.70                         | 0.21              | 0.47            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00277-00002                    | 0.30                  | 1.70                         | 0.19              | 0.42            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00280-00001                    | 0.32                  | 1.82                         | 0.19              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00286-00001                    | 0.31                  | 1.76                         | 0.19              | 0.42            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun™ w/ Heatlock™ | No Grilles   | AND-N-132-00275-00001                    | 0.30                  | 1.70                         | 0.47              | 0.58            | 29        | < 0.2            | N          | -          | -     | Z1                     | Z2                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00275-00002                    | 0.30                  | 1.70                         | 0.42              | 0.51            | 26        | < 0.2            | N          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00278-00001                    | 0.33                  | 1.87                         | 0.42              | 0.51            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00284-00001                    | 0.31                  | 1.76                         | 0.42              | 0.51            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Tilt-Wash Double-Hung Insert (w/ Capillary Breather Tubes)              | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00039-00002                    | 0.35                  | 1.99                         | 0.25              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00051-00001                    | 0.36                  | 2.04                         | 0.25              | 0.42            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00040-00002                    | 0.36                  | 2.04                         | 0.16              | 0.23            | 3         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00052-00001                    | 0.36                  | 2.04                         | 0.16              | 0.23            | 3         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00041-00002                    | 0.35                  | 1.99                         | 0.17              | 0.38            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00053-00001                    | 0.35                  | 1.99                         | 0.17              | 0.38            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00235-00003                    | 0.36                  | 2.04                         | 0.41              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00237-00001                    | 0.36                  | 2.04                         | 0.41              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00276-00003                    | 0.30                  | 1.70                         | 0.25              | 0.41            | 16        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00282-00001                    | 0.32                  | 1.82                         | 0.25              | 0.41            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00277-00003                    | 0.30                  | 1.70                         | 0.17              | 0.37            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-132-00283-00001                    | 0.32                  | 1.82                         | 0.17              | 0.37            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        | -      |

| Andersen® Product Line & Product Type                                 | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |        |
|---|----------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------|--------------------------|--------|
|   |                                  |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  | Zone 1 | Zone 2                   | Zone 3 |
| 400 Series Tilt-Wash Double-Hung Insert (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00275-00003                    | 0.30                  | 1.70                         | 0.37              | 0.45            | 23        | < 0.2            | -          | -          | NC                     | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00281-00001                    | 0.33                  | 1.87                         | 0.37              | 0.45            | 19        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -      | -                        | -      |
|   | Low-E4®                          | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |
|   |                                  | No Grilles  | AND-N-132-00033-00002                    | 0.35                  | 1.99                         | 0.32              | 0.54            | 14        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00039-00003                    | 0.35                  | 1.99                         | 0.28              | 0.48            | 11        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00045-00002                    | 0.36                  | 2.04                         | 0.28              | 0.48            | 10        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)  | AND-N-132-00057-00002                    | 0.37                  | 2.10                         | 0.28              | 0.48            | 9         | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | No Grilles  | AND-N-132-00034-00002                    | 0.36                  | 2.04                         | 0.20              | 0.30            | 6         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00040-00003                    | 0.36                  | 2.04                         | 0.18              | 0.27            | 5         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00046-00002                    | 0.37                  | 2.10                         | 0.18              | 0.27            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)  | AND-N-132-00058-00002                    | 0.37                  | 2.10                         | 0.18              | 0.27            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | No Grilles  | AND-N-132-00035-00002                    | 0.35                  | 1.99                         | 0.21              | 0.48            | 7         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00041-00003                    | 0.35                  | 1.99                         | 0.19              | 0.43            | 6         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00047-00002                    | 0.36                  | 2.04                         | 0.19              | 0.43            | 5         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   | Low-E4® PassiveSun®              | Finelight™ (grilles-between-the-glass)  | AND-N-132-00059-00002                    | 0.36                  | 2.04                         | 0.19              | 0.43            | 5         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | No Grilles  | AND-N-132-00239-00001                    | 0.36                  | 2.04                         | 0.49              | 0.59            | 22        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00239-00002                    | 0.36                  | 2.04                         | 0.44              | 0.53            | 20        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00240-00001                    | 0.37                  | 2.10                         | 0.44              | 0.53            | 18        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   | Low-E4®                          | Finelight™ (grilles-between-the-glass)  | AND-N-132-00242-00001                    | 0.37                  | 2.10                         | 0.44              | 0.53            | 18        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00039-00004                    | 0.35                  | 1.99                         | 0.25              | 0.42            | 10        | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00051-00002                    | 0.36                  | 2.04                         | 0.25              | 0.42            | 9         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00040-00004                    | 0.36                  | 2.04                         | 0.16              | 0.23            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00052-00002                    | 0.36                  | 2.04                         | 0.16              | 0.23            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -      | -                        | -      |
|   | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00041-00004                    | 0.35                  | 1.99                         | 0.17              | 0.38            | 5         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00053-00002                    | 0.35                  | 1.99                         | 0.17              | 0.38            | 5         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00239-00003                    | 0.36                  | 2.04                         | 0.39              | 0.46            | 17        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   | Low-E4® PassiveSun®              | Full Divided Lite   | AND-N-132-00241-00001                    | 0.36                  | 2.04                         | 0.39              | 0.46            | 17        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -      | -                        | -      |
|   |                                  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |
|   |                                  | No Grilles  | AND-N-132-00093-00001                    | 0.38                  | 2.16                         | 0.32              | 0.53            | 10        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00098-00001                    | 0.38                  | 2.16                         | 0.28              | 0.47            | 8         | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00103-00001                    | 0.38                  | 2.16                         | 0.28              | 0.47            | 8         | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-132-00113-00001                    | 0.39                  | 2.21                         | 0.28              | 0.47            | 7         | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |                                  | No Grilles  | AND-N-132-00094-00001                    | 0.38                  | 2.16                         | 0.20              | 0.29            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00099-00001                    | 0.38                  | 2.16                         | 0.18              | 0.26            | 2         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00104-00001                    | 0.39                  | 2.21                         | 0.18              | 0.26            | 1         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-132-00114-00001                    | 0.39                  | 2.21                         | 0.18              | 0.26            | 1         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | No Grilles  | AND-N-132-00095-00001                    | 0.37                  | 2.10                         | 0.22              | 0.48            | 6         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-132-00100-00001                    | 0.37                  | 2.10                         | 0.20              | 0.43            | 4         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Full Divided Lite   | AND-N-132-00105-00001                    | 0.38                  | 2.16                         | 0.20              | 0.43            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)  | AND-N-132-00115-00001                    | 0.38                  | 2.16                         | 0.20              | 0.43            | 3         | < 0.2            | -          | -          | S                      | -      | -                        | -      |

| Andersen® Product Line & Product Type                                 | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Tilt-Wash Double-Hung Insert (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®   | No Grilles   | AND-N-132-00243-00001                    | 0.38                  | 2.16                         | 0.47              | 0.59            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00243-00002                    | 0.38                  | 2.16                         | 0.42              | 0.52            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-132-00244-00001                    | 0.39                  | 2.21                         | 0.42              | 0.52            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-132-00246-00001                    | 0.39                  | 2.21                         | 0.42              | 0.52            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00098-00002                    | 0.38                  | 2.16                         | 0.25              | 0.42            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-132-00108-00001                    | 0.38                  | 2.16                         | 0.25              | 0.42            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00099-00002                    | 0.38                  | 2.16                         | 0.16              | 0.23            | 1         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-132-00109-00001                    | 0.38                  | 2.16                         | 0.16              | 0.23            | 1         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00100-00002                    | 0.37                  | 2.10                         | 0.18              | 0.38            | 3         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-132-00110-00001                    | 0.37                  | 2.10                         | 0.18              | 0.38            | 3         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-132-00243-00003                    | 0.38                  | 2.16                         | 0.38              | 0.46            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-132-00245-00001                    | 0.39                  | 2.21                         | 0.38              | 0.46            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Woodwright® Double-Hung Full-Frame                                      | Low-E4®                          | No Grilles   | AND-N-66-00451-00001                     | 0.29                  | 1.65                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00451-00002                     | 0.29                  | 1.65                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00457-00001                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00469-00001                     | 0.29                  | 1.65                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-66-00452-00001                     | 0.29                  | 1.65                         | 0.19              | 0.29            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00452-00002                     | 0.29                  | 1.65                         | 0.17              | 0.26            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00458-00001                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00470-00001                     | 0.29                  | 1.65                         | 0.17              | 0.26            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-66-00453-00001                     | 0.28                  | 1.59                         | 0.20              | 0.47            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00453-00002                     | 0.28                  | 1.59                         | 0.18              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00459-00001                     | 0.30                  | 1.70                         | 0.18              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00471-00001                     | 0.28                  | 1.59                         | 0.18              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-66-00450-00001                     | 0.30                  | 1.70                         | 0.51              | 0.58            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00450-00002                     | 0.30                  | 1.70                         | 0.45              | 0.52            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00456-00001                     | 0.31                  | 1.76                         | 0.45              | 0.52            | 26        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00468-00001                     | 0.30                  | 1.70                         | 0.45              | 0.52            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-66-00567-00001                     | 0.25                  | 1.42                         | 0.30              | 0.51            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00567-00002                     | 0.25                  | 1.42                         | 0.27              | 0.46            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00570-00001                     | 0.27                  | 1.53                         | 0.27              | 0.46            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00576-00001                     | 0.25                  | 1.42                         | 0.27              | 0.46            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-66-00568-00001                     | 0.25                  | 1.42                         | 0.20              | 0.46            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00568-00002                     | 0.25                  | 1.42                         | 0.18              | 0.41            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00571-00001                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00577-00001                     | 0.25                  | 1.42                         | 0.18              | 0.41            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-66-00566-00001                     | 0.26                  | 1.48                         | 0.46              | 0.57            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00566-00002                     | 0.26                  | 1.48                         | 0.41              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Full Divided Lite                                      | AND-N-66-00569-00001                     | 0.28                  | 1.59                         | 0.41              | 0.50            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00575-00001                     | 0.26                  | 1.48                         | 0.41              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Woodwright® Double-Hung Full-Frame                                      | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00451-00003                     | 0.29                  | 1.65                         | 0.25              | 0.41            | 17        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00463-00001                     | 0.30                  | 1.70                         | 0.25              | 0.41            | 16        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00475-00001                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00452-00003                     | 0.29                  | 1.65                         | 0.15              | 0.23            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-66-00464-00001                     | 0.30                  | 1.70                         | 0.15              | 0.23            | 10        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00476-00001                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00453-00003                     | 0.28                  | 1.59                         | 0.17              | 0.37            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00465-00001                     | 0.29                  | 1.65                         | 0.17              | 0.37            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00477-00001                     | 0.30                  | 1.70                         | 0.18              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00450-00003                     | 0.30                  | 1.70                         | 0.40              | 0.45            | 24        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00462-00001                     | 0.31                  | 1.76                         | 0.40              | 0.45            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00474-00001                     | 0.31                  | 1.76                         | 0.45              | 0.52            | 26        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00567-00003                     | 0.25                  | 1.42                         | 0.24              | 0.40            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-66-00573-00001                     | 0.27                  | 1.53                         | 0.24              | 0.40            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00579-00001                     | 0.27                  | 1.53                         | 0.27              | 0.46            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00568-00003                     | 0.25                  | 1.42                         | 0.16              | 0.36            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-66-00574-00001                     | 0.27                  | 1.53                         | 0.16              | 0.36            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00580-00001                     | 0.26                  | 1.48                         | 0.18              | 0.41            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |

| Andersen® Product Line & Product Type            | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |       |            | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |        |        |
|--|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|-------|------------|------------------------|-------|--------------------------|--------|--------|
|  |   |   |  | U-Factor <sup>r</sup> | U-Factor <sup>r</sup> Metric | SHgC <sup>2</sup> | V7 <sup>3</sup> | Canada ER |       | North | N. Central | S. Central             | South | Zone 1                   | Zone 2 | Zone 3 |
| 400 Series<br>Woodwright® Double-Hung Full-Frame | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00566-00003                     | 0.26                  | 1.48                         | 0.37              | 0.44            | 28        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00572-00001                     | 0.28                  | 1.59                         | 0.37              | 0.44            | 25        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00578-00001                     | 0.27                  | 1.53                         | 0.41              | 0.50            | 29        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  |   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |       |       |            |                        |       |                          |        |        |
|  |   | No Grilles  | AND-N-66-00481-00001                     | 0.30                  | 1.70                         | 0.30              | 0.52            | 19        | < 0.2 | -     | NC         | -                      | -     | -                        | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00481-00002                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 17        | < 0.2 | -     | NC         | -                      | -     | -                        | -      | -      |
|  | Low-E4® Sun   | Full Divided Lite   | AND-N-66-00487-00001                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 16        | < 0.2 | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00499-00001                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 16        | < 0.2 | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | No Grilles  | AND-N-66-00482-00001                     | 0.30                  | 1.70                         | 0.19              | 0.28            | 12        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00482-00002                     | 0.30                  | 1.70                         | 0.17              | 0.25            | 11        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00488-00001                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 10        | < 0.2 | -     | -          | -                      | S     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00500-00001                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 10        | < 0.2 | -     | -          | -                      | S     | -                        | -      | -      |
|  | Low-E4® SmartSun™   | No Grilles  | AND-N-66-00483-00001                     | 0.29                  | 1.65                         | 0.21              | 0.47            | 15        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00483-00002                     | 0.29                  | 1.65                         | 0.19              | 0.42            | 13        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00489-00001                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 12        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00501-00001                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 12        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | No Grilles  | AND-N-66-00480-00001                     | 0.31                  | 1.76                         | 0.49              | 0.58            | 28        | < 0.2 | -     | -          | -                      | -     | Z1                       | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00480-00002                     | 0.31                  | 1.76                         | 0.44              | 0.51            | 25        | < 0.2 | -     | -          | -                      | -     | Z1                       | -      | -      |
|  | Low-E4® PassiveSun®   | Full Divided Lite   | AND-N-66-00486-00001                     | 0.31                  | 1.76                         | 0.44              | 0.51            | 25        | < 0.2 | -     | -          | -                      | -     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00498-00001                     | 0.32                  | 1.82                         | 0.44              | 0.51            | 24        | < 0.2 | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | No Grilles  | AND-N-66-00480-00001                     | 0.31                  | 1.76                         | 0.49              | 0.58            | 28        | < 0.2 | -     | -          | -                      | -     | Z1                       | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00486-00002                     | 0.31                  | 1.76                         | 0.44              | 0.51            | 25        | < 0.2 | -     | -          | -                      | -     | Z1                       | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00488-00001                     | 0.31                  | 1.76                         | 0.44              | 0.51            | 25        | < 0.2 | -     | -          | -                      | -     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00498-00001                     | 0.32                  | 1.82                         | 0.44              | 0.51            | 24        | < 0.2 | -     | -          | -                      | -     | -                        | -      | -      |
|  | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-66-00582-00001                     | 0.26                  | 1.48                         | 0.30              | 0.51            | 24        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00582-00002                     | 0.26                  | 1.48                         | 0.27              | 0.45            | 22        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00585-00001                     | 0.28                  | 1.59                         | 0.27              | 0.45            | 19        | < 0.2 | -     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00591-00001                     | 0.27                  | 1.53                         | 0.27              | 0.45            | 21        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | No Grilles  | AND-N-66-00583-00001                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 18        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00583-00002                     | 0.26                  | 1.48                         | 0.18              | 0.41            | 17        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™                                | Full Divided Lite   | AND-N-66-00586-00001                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 16        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00592-00001                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 16        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |   | No Grilles  | AND-N-66-00581-00001                     | 0.27                  | 1.53                         | 0.45              | 0.56            | 31        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00581-00002                     | 0.27                  | 1.53                         | 0.40              | 0.50            | 28        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00584-00001                     | 0.28                  | 1.59                         | 0.40              | 0.50            | 27        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00590-00001                     | 0.27                  | 1.53                         | 0.40              | 0.50            | 28        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |       |       |            |                        |       |                          |        |        |
| 400 Series<br>Double-Hung<br>Full-Frame          | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00481-00003                     | 0.30                  | 1.70                         | 0.24              | 0.41            | 15        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00493-00001                     | 0.31                  | 1.76                         | 0.24              | 0.41            | 14        | < 0.2 | -     | -          | -                      | S     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -     | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00482-00003                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 10        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00494-00001                     | 0.31                  | 1.76                         | 0.15              | 0.22            | 9         | < 0.2 | -     | -          | -                      | S     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -     | -     | -          | -                      | -     | -                        | -      | -      |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00483-00003                     | 0.29                  | 1.65                         | 0.17              | 0.37            | 12        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00495-00001                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 11        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -     | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00480-00003                     | 0.31                  | 1.76                         | 0.39              | 0.45            | 23        | < 0.2 | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00492-00001                     | 0.31                  | 1.76                         | 0.39              | 0.45            | 23        | < 0.2 | -     | -          | -                      | -     | -                        | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -     | -     | -          | -                      | -     | -                        | -      | -      |
|  | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00582-00003                     | 0.26                  | 1.48                         | 0.24              | 0.40            | 20        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |   | Full Divided Lite   | AND-N-66-00588-00001                     | 0.28                  | 1.59                         | 0.24              | 0.40            | 18        | < 0.2 | -     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -     | -     | -          | -                      | -     | -                        | -      | -      |

| Andersen® Product Line & Product Type         | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |
| 400 Series Woodwright® Double-Hung Full-Frame | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00583-00003                     | 0.26                  | 1.48                         | 0.16              | 0.36            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00589-00001                     | 0.27                  | 1.53                         | 0.16              | 0.36            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |    |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00581-00003                     | 0.27                  | 1.53                         | 0.35              | 0.44            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00587-00001                     | 0.28                  | 1.59                         | 0.35              | 0.44            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -                        |    |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
|   | Low-E4®   | No Grilles   | AND-N-66-00451-00004                     | 0.29                  | 1.65                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00451-00005                     | 0.29                  | 1.65                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00457-00002                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00469-00002                     | 0.29                  | 1.65                         | 0.28              | 0.47            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   | Low-E4® Sun   | No Grilles   | AND-N-66-00452-00004                     | 0.29                  | 1.65                         | 0.19              | 0.29            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00452-00005                     | 0.29                  | 1.65                         | 0.17              | 0.26            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00458-00002                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00470-00002                     | 0.29                  | 1.65                         | 0.17              | 0.26            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-66-00453-00004                     | 0.28                  | 1.59                         | 0.20              | 0.47            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00453-00005                     | 0.28                  | 1.59                         | 0.18              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00459-00002                     | 0.30                  | 1.70                         | 0.18              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00471-00002                     | 0.28                  | 1.59                         | 0.18              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-66-00450-00004                     | 0.30                  | 1.70                         | 0.48              | 0.58            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00450-00005                     | 0.30                  | 1.70                         | 0.43              | 0.52            | 26        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00456-00002                     | 0.31                  | 1.76                         | 0.43              | 0.52            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00468-00002                     | 0.30                  | 1.70                         | 0.43              | 0.52            | 26        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00451-00006                     | 0.29                  | 1.65                         | 0.25              | 0.41            | 17        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00463-00002                     | 0.30                  | 1.70                         | 0.25              | 0.41            | 16        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00475-00002                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00452-00006                     | 0.29                  | 1.65                         | 0.15              | 0.23            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   | Low-E4® Sun   | Full Divided Lite                                      | AND-N-66-00464-00002                     | 0.30                  | 1.70                         | 0.15              | 0.23            | 10        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00476-00002                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00453-00006                     | 0.28                  | 1.59                         | 0.17              | 0.37            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00465-00002                     | 0.29                  | 1.65                         | 0.17              | 0.37            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00477-00002                     | 0.30                  | 1.70                         | 0.18              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00450-00006                     | 0.30                  | 1.70                         | 0.38              | 0.45            | 23        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00462-00002                     | 0.31                  | 1.76                         | 0.38              | 0.45            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00474-00002                     | 0.31                  | 1.76                         | 0.43              | 0.52            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
|   | Low-E4®   | No Grilles   | AND-N-66-00481-00004                     | 0.30                  | 1.70                         | 0.30              | 0.52            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00481-00005                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 17        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00487-00002                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00499-00002                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|   | Low-E4® Sun   | No Grilles   | AND-N-66-00482-00004                     | 0.30                  | 1.70                         | 0.19              | 0.28            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00482-00005                     | 0.30                  | 1.70                         | 0.17              | 0.25            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00488-00002                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00500-00002                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-66-00483-00004                     | 0.29                  | 1.65                         | 0.21              | 0.47            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00483-00005                     | 0.29                  | 1.65                         | 0.19              | 0.42            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Full Divided Lite                                      | AND-N-66-00489-00002                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00501-00002                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |

| Andersen® Product Line & Product Type            | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series<br>Woodwright® Double-Hung Full-Frame | Low-E4® PassiveSun®   | No Grilles   | AND-N-66-00480-00004                     | 0.31                  | 1.76                         | 0.46              | 0.58            | 27        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00480-00005                     | 0.31                  | 1.76                         | 0.41              | 0.51            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-66-00486-00002                     | 0.31                  | 1.76                         | 0.41              | 0.51            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00498-00002                     | 0.32                  | 1.82                         | 0.41              | 0.51            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00481-00006                     | 0.30                  | 1.70                         | 0.24              | 0.41            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-66-00493-00002                     | 0.31                  | 1.76                         | 0.24              | 0.41            | 14        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00482-00006                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 10        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-66-00494-00002                     | 0.31                  | 1.76                         | 0.15              | 0.22            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00483-00006                     | 0.29                  | 1.65                         | 0.17              | 0.37            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-66-00495-00002                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00480-00006                     | 0.31                  | 1.76                         | 0.37              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-66-00492-00002                     | 0.31                  | 1.76                         | 0.37              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
| 400 Series Woodwright® Double-Hung Full-Frame (w/ Capillary Breather Tubes)        | Low-E4®                          | No Grilles   | AND-N-66-00373-00001                     | 0.33                  | 1.87                         | 0.31              | 0.53            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00373-00002                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00379-00001                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00391-00001                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-66-00374-00001                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00374-00002                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00380-00001                     | 0.34                  | 1.93                         | 0.18              | 0.26            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00392-00001                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-66-00375-00001                     | 0.32                  | 1.82                         | 0.21              | 0.47            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00375-00002                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00381-00001                     | 0.33                  | 1.87                         | 0.19              | 0.42            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00393-00001                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-66-00372-00001                     | 0.33                  | 1.87                         | 0.50              | 0.58            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00372-00002                     | 0.33                  | 1.87                         | 0.45              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00378-00001                     | 0.34                  | 1.93                         | 0.45              | 0.52            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00390-00001                     | 0.33                  | 1.87                         | 0.45              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-66-00528-00001                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00528-00002                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 19        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00531-00001                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 17        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00537-00001                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 19        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-66-00529-00001                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00529-00002                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00532-00001                     | 0.30                  | 1.70                         | 0.18              | 0.41            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00538-00001                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-66-00527-00001                     | 0.28                  | 1.59                         | 0.46              | 0.57            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00527-00002                     | 0.28                  | 1.59                         | 0.41              | 0.50            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00530-00001                     | 0.31                  | 1.76                         | 0.41              | 0.50            | 24        | < 0.2            | -          | -          | -     | -                      | 1                        | 1  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00536-00001                     | 0.28                  | 1.59                         | 0.41              | 0.50            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
| 400 Series Woodwright® Double-Hung Full-Frame (w/ Capillary Breather Tubes)        | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00373-00003                     | 0.33                  | 1.87                         | 0.25              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00385-00001                     | 0.33                  | 1.87                         | 0.25              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00397-00001                     | 0.35                  | 1.99                         | 0.28              | 0.47            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00374-00003                     | 0.33                  | 1.87                         | 0.16              | 0.23            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-66-00386-00001                     | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00398-00001                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00375-00003                     | 0.32                  | 1.82                         | 0.17              | 0.37            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00387-00001                     | 0.33                  | 1.87                         | 0.17              | 0.37            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00399-00001                     | 0.34                  | 1.93                         | 0.19              | 0.42            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00372-00003                     | 0.33                  | 1.87                         | 0.40              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00384-00001                     | 0.34                  | 1.93                         | 0.40              | 0.45            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00396-00001                     | 0.35                  | 1.99                         | 0.45              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00528-00003                     | 0.28                  | 1.59                         | 0.24              | 0.40            | 18        | < 0.2            | NC         | SC         | S     | Z1                     | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-66-00534-00001                     | 0.30                  | 1.70                         | 0.24              | 0.40            | 15        | < 0.2            | NC         | SC         | S     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00540-00001                     | 0.29                  | 1.65                         | 0.27              | 0.46            | 18        | < 0.2            | NC         | SC         | S     | -                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00529-00003                     | 0.28                  | 1.59                         | 0.16              | 0.36            | 13        | < 0.2            | NC         | SC         | S     | -                      | -                        | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-66-00535-00001                     | 0.30                  | 1.70                         | 0.16              | 0.36            | 11        | < 0.2            | NC         | SC         | S     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00541-00001                     | 0.29                  | 1.65                         | 0.18              | 0.41            | 13        | < 0.2            | NC         | SC         | S     | -                      | -                        | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|----|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central |                        |                          |    |
| 400 Series<br>Woodwright® Double-Hung<br>Full-Frame (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>PassiveSun®<br>w/ Heatlock™                        | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00527-00003                     | 0.28                  | 1.59                         | 0.36              | 0.44            | 25        | < 0.2            | N          | NC         | -                      | -                        | Z1 |
|   |   | Full Divided Lite   | AND-N-66-00533-00001                     | 0.31                  | 1.76                         | 0.36              | 0.44            | 21        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00539-00001                     | 0.30                  | 1.70                         | 0.41              | 0.50            | 25        | < 0.2            | -          | -          | -                      | -                        | Z1 |
|   |   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |
|   |   | No Grilles  | AND-N-66-00403-00001                     | 0.34                  | 1.93                         | 0.31              | 0.52            | 14        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00403-00002                     | 0.34                  | 1.93                         | 0.28              | 0.46            | 13        | < 0.2            | -          | -          | -                      | -                        | -  |
|   | Low-E4®   | Full Divided Lite   | AND-N-66-00409-00001                     | 0.35                  | 1.99                         | 0.28              | 0.46            | 11        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00421-00001                     | 0.35                  | 1.99                         | 0.28              | 0.46            | 11        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | No Grilles  | AND-N-66-00404-00001                     | 0.34                  | 1.93                         | 0.19              | 0.28            | 7         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00404-00002                     | 0.34                  | 1.93                         | 0.18              | 0.25            | 7         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00410-00001                     | 0.35                  | 1.99                         | 0.18              | 0.25            | 5         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00422-00001                     | 0.35                  | 1.99                         | 0.18              | 0.25            | 5         | < 0.2            | -          | -          | S                      | -                        | -  |
|   | Low-E4®<br>Sun  | No Grilles  | AND-N-66-00405-00001                     | 0.33                  | 1.87                         | 0.21              | 0.47            | 10        | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00405-00002                     | 0.33                  | 1.87                         | 0.19              | 0.42            | 9         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00411-00001                     | 0.34                  | 1.93                         | 0.19              | 0.42            | 7         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00423-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 6         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | No Grilles  | AND-N-66-00402-00001                     | 0.35                  | 1.99                         | 0.49              | 0.58            | 23        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00402-00002                     | 0.35                  | 1.99                         | 0.44              | 0.51            | 20        | < 0.2            | -          | -          | -                      | -                        | -  |
|   | Low-E4®<br>SmartSun™  | Full Divided Lite   | AND-N-66-00408-00001                     | 0.35                  | 1.99                         | 0.44              | 0.51            | 20        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00420-00001                     | 0.36                  | 2.04                         | 0.44              | 0.51            | 19        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | No Grilles  | AND-N-66-00402-00001                     | 0.35                  | 1.99                         | 0.49              | 0.58            | 23        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00402-00002                     | 0.35                  | 1.99                         | 0.44              | 0.51            | 20        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00410-00001                     | 0.35                  | 1.99                         | 0.44              | 0.51            | 20        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00422-00001                     | 0.35                  | 1.99                         | 0.44              | 0.51            | 19        | < 0.2            | -          | -          | -                      | -                        | -  |
|   | Low-E4®<br>w/ Heatlock™                                       | No Grilles  | AND-N-66-00543-00001                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 20        | < 0.2            | -          | NC         | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00543-00002                     | 0.29                  | 1.65                         | 0.27              | 0.45            | 18        | < 0.2            | -          | NC         | -                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00546-00001                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 16        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00552-00001                     | 0.30                  | 1.70                         | 0.27              | 0.45            | 17        | < 0.2            | -          | NC         | -                      | -                        | -  |
|   |   | No Grilles  | AND-N-66-00544-00001                     | 0.29                  | 1.65                         | 0.20              | 0.46            | 14        | < 0.2            | -          | NC         | SC                     | S                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00544-00002                     | 0.29                  | 1.65                         | 0.18              | 0.41            | 13        | < 0.2            | -          | NC         | SC                     | S                        | -  |
|   | Low-E4®<br>SmartSun™<br>w/ Heatlock™                          | Full Divided Lite   | AND-N-66-00547-00001                     | 0.31                  | 1.76                         | 0.18              | 0.41            | 10        | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00553-00001                     | 0.30                  | 1.70                         | 0.18              | 0.41            | 12        | < 0.2            | -          | NC         | SC                     | S                        | -  |
|   |   | No Grilles  | AND-N-66-00542-00001                     | 0.29                  | 1.65                         | 0.44              | 0.56            | 28        | < 0.2            | N          | -          | -                      | Z1                       | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00542-00002                     | 0.29                  | 1.65                         | 0.40              | 0.50            | 26        | < 0.2            | N          | NC         | -                      | Z1                       | -  |
|   |   | Full Divided Lite   | AND-N-66-00545-00001                     | 0.31                  | 1.76                         | 0.40              | 0.50            | 23        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-66-00551-00001                     | 0.30                  | 1.70                         | 0.40              | 0.50            | 24        | < 0.2            | -          | NC         | -                      | -                        | -  |
|   | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |
| 400 Series<br>Woodwright® Double-Hung<br>Full-Frame (w/<br>Capillary Breather<br>Tubes) | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00403-00003                     | 0.34                  | 1.93                         | 0.25              | 0.41            | 11        | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00415-00001                     | 0.35                  | 1.99                         | 0.25              | 0.41            | 9         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00404-00003                     | 0.34                  | 1.93                         | 0.16              | 0.22            | 6         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00416-00001                     | 0.35                  | 1.99                         | 0.16              | 0.22            | 4         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -                        | -  |
|   | Low-E4®<br>Sun  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00405-00003                     | 0.33                  | 1.87                         | 0.17              | 0.37            | 7         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00417-00001                     | 0.34                  | 1.93                         | 0.17              | 0.37            | 6         | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00405-00003                     | 0.35                  | 1.99                         | 0.39              | 0.45            | 18        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00418-00001                     | 0.35                  | 1.99                         | 0.39              | 0.45            | 18        | < 0.2            | -          | -          | -                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -                        | -  |
|   | Low-E4®<br>PassiveSun®  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00543-00003                     | 0.29                  | 1.65                         | 0.24              | 0.40            | 16        | < 0.2            | -          | NC         | SC                     | S                        | -  |
|   |   | Full Divided Lite   | AND-N-66-00549-00001                     | 0.31                  | 1.76                         | 0.24              | 0.40            | 14        | < 0.2            | -          | -          | S                      | -                        | -  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -                      | -                        | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-66-00543-00003                     | 0.29                  | 1.65                         | 0.24              | 0.40            | 16        | < 0.2            | -          | NC         | SC                     | S                        | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Window (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00544-00003                     | 0.29                  | 1.65                         | 0.17              | 0.36            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-66-00550-00001                     | 0.31                  | 1.76                         | 0.17              | 0.36            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00542-00003                     | 0.29                  | 1.65                         | 0.35              | 0.44            | 23        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-66-00548-00001                     | 0.31                  | 1.76                         | 0.35              | 0.44            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-66-00373-00004                     | 0.33                  | 1.87                         | 0.31              | 0.53            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00373-00005                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-66-00379-00002                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00391-00002                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-66-00374-00004                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00374-00005                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-66-00380-00002                     | 0.34                  | 1.93                         | 0.18              | 0.26            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00392-00002                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-66-00375-00004                     | 0.32                  | 1.82                         | 0.21              | 0.47            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00375-00005                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-66-00381-00002                     | 0.33                  | 1.87                         | 0.19              | 0.42            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00393-00002                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-66-00372-00004                     | 0.33                  | 1.87                         | 0.48              | 0.58            | 25        | < 0.2            | -          | -          | -     | Z1                     | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00372-00005                     | 0.33                  | 1.87                         | 0.43              | 0.52            | 23        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-66-00378-00002                     | 0.34                  | 1.93                         | 0.43              | 0.52            | 21        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00390-00002                     | 0.33                  | 1.87                         | 0.43              | 0.52            | 23        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
| 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater                 |   |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
| Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00373-00006                                   | 0.33                                     | 1.87                  | 0.25                         | 0.41              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-66-00385-00002                                   | 0.33                                     | 1.87                  | 0.25                         | 0.41              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00397-00002                                   | 0.35                                     | 1.99                  | 0.28                         | 0.47              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00374-00006                                   | 0.33                                     | 1.87                  | 0.16                         | 0.23              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
| Low-E4® Sun   | Full Divided Lite   | AND-N-66-00386-00002                                   | 0.34                                     | 1.93                  | 0.16                         | 0.23              | 6               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00398-00002                                   | 0.35                                     | 1.99                  | 0.18                         | 0.26              | 5               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00375-00006                                   | 0.32                                     | 1.82                  | 0.17                         | 0.37              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-66-00387-00002                                   | 0.33                                     | 1.87                  | 0.17                         | 0.37              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
| Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00399-00002                                   | 0.34                                     | 1.93                  | 0.19                         | 0.42              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00372-00006                                   | 0.33                                     | 1.87                  | 0.38                         | 0.45              | 20              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-66-00384-00002                                   | 0.34                                     | 1.93                  | 0.38                         | 0.45              | 18              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00396-00002                                   | 0.35                                     | 1.99                  | 0.43                         | 0.52              | 20              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
| Low-E4®   | No Grilles  | AND-N-66-00403-00004                                   | 0.34                                     | 1.93                  | 0.31                         | 0.52              | 14              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00403-00005                                   | 0.34                                     | 1.93                  | 0.28                         | 0.46              | 13              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-66-00409-00002                                   | 0.35                                     | 1.99                  | 0.28                         | 0.46              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00421-00002                                   | 0.35                                     | 1.99                  | 0.28                         | 0.46              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
| Low-E4® Sun   | No Grilles  | AND-N-66-00404-00004                                   | 0.34                                     | 1.93                  | 0.19                         | 0.28              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00404-00005                                   | 0.34                                     | 1.93                  | 0.18                         | 0.25              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-66-00410-00002                                   | 0.35                                     | 1.99                  | 0.18                         | 0.25              | 5               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00422-00002                                   | 0.35                                     | 1.99                  | 0.18                         | 0.25              | 5               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
| Low-E4® SmartSun™   | No Grilles  | AND-N-66-00405-00004                                   | 0.33                                     | 1.87                  | 0.21                         | 0.47              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-66-00405-00005                                   | 0.33                                     | 1.87                  | 0.19                         | 0.42              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-66-00411-00002                                   | 0.34                                     | 1.93                  | 0.19                         | 0.42              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-66-00423-00002                                   | 0.35                                     | 1.99                  | 0.19                         | 0.42              | 6               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type   | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 | Canada<br>ENERGY<br>STAR<br>v 4.1 |   |
|--|---|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|-----------------------------------|---|
|  |   |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South |                                 |                                   |   |
| 400 Series<br>Woodwright®<br>Double-Hung<br>Full-Frame (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>PassiveSun®  | No Grilles   | AND-N-66-00402-00004                           | 0.35                  | 1.99                            | 0.46              | 0.58            | 22        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00402-00005                           | 0.35                  | 1.99                            | 0.42              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-66-00408-00002                           | 0.35                  | 1.99                            | 0.42              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-66-00420-00002                           | 0.36                  | 2.04                            | 0.42              | 0.51            | 18        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                                 |                   |                 |           |                  |            |            |       |                                 |                                   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00403-00006                           | 0.34                  | 1.93                            | 0.25              | 0.41            | 11        | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-66-00415-00002                           | 0.35                  | 1.99                            | 0.25              | 0.41            | 9         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                               | -                                 | - |
|  | Low-E4®<br>Sun  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00404-00006                           | 0.34                  | 1.93                            | 0.16              | 0.22            | 6         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-66-00416-00002                           | 0.35                  | 1.99                            | 0.16              | 0.22            | 4         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                               | -                                 | - |
|  | Low-E4®<br>SmartSun™  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00405-00006                           | 0.33                  | 1.87                            | 0.17              | 0.37            | 7         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-66-00417-00002                           | 0.34                  | 1.93                            | 0.17              | 0.37            | 6         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                               | -                                 | - |
|  | Low-E4®<br>PassiveSun®  | Simulated Divided Lite or Installed Interior Removable | AND-N-66-00402-00006                           | 0.35                  | 1.99                            | 0.37              | 0.45            | 16        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-66-00414-00002                           | 0.35                  | 1.99                            | 0.37              | 0.45            | 16        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                               | -                                 | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Woodwright® Double-Hung Full-Frame Picture                              | Low-E4®                          | No Grilles   | AND-N-67-01319-00001                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01319-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01325-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01337-00001                     | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-67-01320-00001                     | 0.28                  | 1.59                         | 0.20              | 0.31            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01320-00002                     | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01326-00001                     | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01338-00001                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-67-01321-00001                     | 0.27                  | 1.53                         | 0.21              | 0.50            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01321-00002                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01327-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01339-00001                     | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-67-01318-00001                     | 0.28                  | 1.59                         | 0.53              | 0.61            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01318-00002                     | 0.28                  | 1.59                         | 0.47              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01324-00001                     | 0.28                  | 1.59                         | 0.47              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01336-00001                     | 0.30                  | 1.70                         | 0.47              | 0.54            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-67-01570-00001                     | 0.23                  | 1.31                         | 0.31              | 0.54            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01570-00002                     | 0.23                  | 1.31                         | 0.28              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01573-00001                     | 0.23                  | 1.31                         | 0.28              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01579-00001                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-67-01571-00001                     | 0.23                  | 1.31                         | 0.21              | 0.48            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01571-00002                     | 0.23                  | 1.31                         | 0.19              | 0.43            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01574-00001                     | 0.23                  | 1.31                         | 0.19              | 0.43            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01580-00001                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-67-01569-00001                     | 0.24                  | 1.36                         | 0.48              | 0.59            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01569-00002                     | 0.24                  | 1.36                         | 0.43              | 0.53            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01572-00001                     | 0.24                  | 1.36                         | 0.43              | 0.53            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-67-01578-00001                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Woodwright® Double-Hung Full-Frame Picture                              | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01319-00003                     | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01331-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01343-00001                     | 0.29                  | 1.65                         | 0.26              | 0.43            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01320-00003                     | 0.28                  | 1.59                         | 0.16              | 0.24            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01332-00001                     | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01344-00001                     | 0.29                  | 1.65                         | 0.16              | 0.24            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01321-00003                     | 0.27                  | 1.53                         | 0.17              | 0.39            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01333-00001                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-67-01345-00001                     | 0.28                  | 1.59                         | 0.17              | 0.39            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01318-00003                     | 0.28                  | 1.59                         | 0.42              | 0.48            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01330-00001                     | 0.28                  | 1.59                         | 0.47              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01342-00001                     | 0.29                  | 1.65                         | 0.42              | 0.48            | 28        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01570-00003                     | 0.23                  | 1.31                         | 0.25              | 0.42            | 26        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01576-00001                     | 0.23                  | 1.31                         | 0.28              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01582-00001                     | 0.26                  | 1.48                         | 0.25              | 0.42            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01571-00003                     | 0.23                  | 1.31                         | 0.17              | 0.38            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  | Low-E4® PassiveSun™ w/ Heatlock™ | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01577-00001                     | 0.23                  | 1.31                         | 0.19              | 0.43            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-67-01583-00001                     | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type                    | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U.S. ENERGY STAR v 6.0 |                              |                   |                 | Canada ENERGY STAR v 4.1 |                  |       |            |            |       |    |    |    |
|--|---|--|--|------------------------|------------------------------|-------------------|-----------------|--------------------------|------------------|-------|------------|------------|-------|----|----|----|
|  |   |  |  | U-Factor <sup>1</sup>  | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER                | Air Infiltration | North | N. Central | S. Central | South |    |    |    |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Picture | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01569-00003                     | 0.24                   | 1.36                         | 0.39              | 0.47            | 33                       | < 0.2            | N     | NC         | -          | -     | Z1 | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01575-00001                     | 0.24                   | 1.36                         | 0.43              | 0.53            | 35                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | Z3 |
|  |   | Full Divided Lite                                      | AND-N-67-01581-00001                     | 0.26                   | 1.48                         | 0.39              | 0.47            | 30                       | < 0.2            | N     | NC         | -          | -     | Z1 | Z2 | -  |
|  | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                        |                              |                   |                 |                          |                  |       |            |            |       |    |    |    |
|  | Low-E4®   | No Grilles   | AND-N-67-01349-00001                     | 0.27                   | 1.53                         | 0.32              | 0.55            | 25                       | < 0.2            | N     | NC         | -          | -     | Z1 | -  | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01349-00002                     | 0.27                   | 1.53                         | 0.29              | 0.49            | 23                       | < 0.2            | N     | NC         | -          | -     | Z1 | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01355-00001                     | 0.27                   | 1.53                         | 0.29              | 0.49            | 23                       | < 0.2            | N     | NC         | -          | -     | Z1 | -  | -  |
|  | Low-E4® Sun   | Full Divided Lite                                      | AND-N-67-01367-00001                     | 0.28                   | 1.59                         | 0.29              | 0.49            | 22                       | < 0.2            | -     | NC         | -          | -     | Z1 | -  | -  |
|  |   | No Grilles   | AND-N-67-01350-00001                     | 0.27                   | 1.53                         | 0.19              | 0.30            | 17                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01350-00002                     | 0.27                   | 1.53                         | 0.17              | 0.27            | 16                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01356-00001                     | 0.27                   | 1.53                         | 0.17              | 0.27            | 16                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01368-00001                     | 0.29                   | 1.65                         | 0.17              | 0.27            | 13                       | < 0.2            | -     | NC         | SC         | S     | -  | -  | -  |
|  |   | No Grilles   | AND-N-67-01351-00001                     | 0.26                   | 1.48                         | 0.21              | 0.49            | 20                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01351-00002                     | 0.26                   | 1.48                         | 0.19              | 0.44            | 18                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01357-00001                     | 0.26                   | 1.48                         | 0.19              | 0.44            | 18                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01369-00001                     | 0.28                   | 1.59                         | 0.19              | 0.44            | 16                       | < 0.2            | -     | NC         | SC         | S     | Z1 | -  | -  |
|  | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-67-01348-00001                     | 0.28                   | 1.59                         | 0.52              | 0.60            | 35                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | Z3 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01348-00002                     | 0.28                   | 1.59                         | 0.46              | 0.54            | 32                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01354-00001                     | 0.28                   | 1.59                         | 0.46              | 0.54            | 32                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™  | Full Divided Lite                                      | AND-N-67-01366-00001                     | 0.29                   | 1.65                         | 0.46              | 0.54            | 30                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | -  |
|  |   | No Grilles   | AND-N-67-01585-00001                     | 0.23                   | 1.31                         | 0.31              | 0.53            | 29                       | < 0.2            | N     | NC         | -          | -     | Z1 | Z2 | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01585-00002                     | 0.23                   | 1.31                         | 0.28              | 0.48            | 27                       | < 0.2            | N     | NC         | -          | -     | Z1 | Z2 | -  |
|  | Low-E4® w/ Heatlock™  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01588-00001                     | 0.23                   | 1.31                         | 0.28              | 0.48            | 27                       | < 0.2            | N     | NC         | -          | -     | Z1 | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01594-00001                     | 0.25                   | 1.42                         | 0.28              | 0.48            | 25                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | No Grilles   | AND-N-67-01586-00001                     | 0.23                   | 1.31                         | 0.21              | 0.48            | 23                       | < 0.2            | N     | NC         | SC         | S     | Z1 | Z2 | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01586-00002                     | 0.23                   | 1.31                         | 0.19              | 0.43            | 22                       | < 0.2            | N     | NC         | SC         | S     | Z1 | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01589-00001                     | 0.23                   | 1.31                         | 0.19              | 0.43            | 22                       | < 0.2            | N     | NC         | SC         | S     | Z1 | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01595-00001                     | 0.25                   | 1.42                         | 0.19              | 0.43            | 20                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-67-01584-00001                     | 0.24                   | 1.36                         | 0.47              | 0.59            | 37                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | Z3 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01584-00002                     | 0.24                   | 1.36                         | 0.42              | 0.52            | 34                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | Z3 |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01587-00001                     | 0.24                   | 1.36                         | 0.42              | 0.52            | 34                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | Z3 |
|  | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                        |                              |                   |                 |                          |                  |       |            |            |       |    |    |    |
| 500 Series<br>Double-Hung Full-Frame Picture             | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01349-00003                     | 0.27                   | 1.53                         | 0.26              | 0.43            | 21                       | < 0.2            | N     | NC         | -          | -     | Z1 | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01361-00001                     | 0.28                   | 1.59                         | 0.29              | 0.49            | 22                       | < 0.2            | -     | NC         | -          | -     | Z1 | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01373-00001                     | 0.28                   | 1.59                         | 0.26              | 0.43            | 20                       | < 0.2            | -     | NC         | -          | -     | Z1 | -  | -  |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01350-00003                     | 0.27                   | 1.53                         | 0.16              | 0.23            | 16                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01362-00001                     | 0.29                   | 1.65                         | 0.17              | 0.27            | 13                       | < 0.2            | -     | NC         | SC         | S     | -  | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01374-00001                     | 0.28                   | 1.59                         | 0.16              | 0.23            | 14                       | < 0.2            | -     | NC         | SC         | S     | -  | -  | -  |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01351-00003                     | 0.26                   | 1.48                         | 0.17              | 0.39            | 17                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01363-00001                     | 0.28                   | 1.59                         | 0.19              | 0.44            | 16                       | < 0.2            | -     | NC         | SC         | S     | Z1 | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01375-00001                     | 0.28                   | 1.59                         | 0.17              | 0.39            | 15                       | < 0.2            | -     | NC         | SC         | S     | -  | -  | -  |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01351-00002                     | 0.28                   | 1.59                         | 0.41              | 0.47            | 29                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01360-00001                     | 0.29                   | 1.65                         | 0.46              | 0.54            | 30                       | < 0.2            | N     | -          | -          | -     | Z1 | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01372-00001                     | 0.29                   | 1.65                         | 0.41              | 0.47            | 27                       | < 0.2            | N     | -          | -          | -     | Z1 | -  | -  |
|  | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01585-00003                     | 0.23                   | 1.31                         | 0.25              | 0.42            | 26                       | < 0.2            | N     | NC         | SC         | S     | Z1 | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01591-00001                     | 0.24                   | 1.36                         | 0.28              | 0.48            | 26                       | < 0.2            | N     | NC         | -          | -     | Z1 | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01597-00001                     | 0.25                   | 1.42                         | 0.25              | 0.42            | 23                       | < 0.2            | N     | NC         | SC         | S     | Z1 | -  | -  |

| Andersen® Product Line & Product Type                    | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Picture | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01586-00003                     | 0.23                  | 1.31                         | 0.17              | 0.38            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01592-00001                     | 0.24                  | 1.36                         | 0.19              | 0.43            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01598-00001                     | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01584-00003                     | 0.24                  | 1.36                         | 0.37              | 0.46            | 31        | < 0.2            | N          | Y          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01590-00001                     | 0.25                  | 1.42                         | 0.42              | 0.52            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01596-00001                     | 0.26                  | 1.48                         | 0.37              | 0.46            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  | 4.7 Annealed or 4.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|  | Low-E4®   | No Grilles   | AND-N-67-01379-00001                     | 0.27                  | 1.53                         | 0.31              | 0.54            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01379-00002                     | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01385-00001                     | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01397-00001                     | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  | Low-E4® Sun   | No Grilles   | AND-N-67-01380-00001                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01380-00002                     | 0.27                  | 1.53                         | 0.17              | 0.27            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01386-00001                     | 0.27                  | 1.53                         | 0.17              | 0.27            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01398-00001                     | 0.28                  | 1.59                         | 0.17              | 0.27            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-67-01381-00001                     | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01381-00002                     | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01387-00001                     | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01399-00001                     | 0.27                  | 1.53                         | 0.19              | 0.43            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® PassiveSun®   | No Grilles   | AND-N-67-01378-00001                     | 0.28                  | 1.59                         | 0.51              | 0.60            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01378-00002                     | 0.28                  | 1.59                         | 0.46              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01384-00001                     | 0.28                  | 1.59                         | 0.46              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01396-00001                     | 0.29                  | 1.65                         | 0.46              | 0.53            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-67-01600-00001                     | 0.23                  | 1.31                         | 0.31              | 0.53            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01600-00002                     | 0.23                  | 1.31                         | 0.28              | 0.47            | 27        | < 0.2            | N          | Y          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01603-00001                     | 0.23                  | 1.31                         | 0.28              | 0.47            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01609-00001                     | 0.25                  | 1.42                         | 0.28              | 0.47            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™  | No Grilles   | AND-N-67-01601-00001                     | 0.23                  | 1.31                         | 0.21              | 0.48            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01601-00002                     | 0.23                  | 1.31                         | 0.19              | 0.42            | 22        | < 0.2            | N          | Y          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01604-00001                     | 0.23                  | 1.31                         | 0.19              | 0.42            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01610-00001                     | 0.25                  | 1.42                         | 0.19              | 0.42            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™  | No Grilles   | AND-N-67-01599-00001                     | 0.24                  | 1.36                         | 0.46              | 0.58            | 37        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01599-00002                     | 0.24                  | 1.36                         | 0.41              | 0.52            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01602-00001                     | 0.24                  | 1.36                         | 0.41              | 0.52            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |   | Full Divided Lite                                      | AND-N-67-01608-00001                     | 0.26                  | 1.48                         | 0.41              | 0.52            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  | 4.7 Annealed or 4.7 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01379-00003                     | 0.27                  | 1.53                         | 0.25              | 0.43            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01391-00001                     | 0.29                  | 1.65                         | 0.28              | 0.48            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01403-00001                     | 0.28                  | 1.59                         | 0.25              | 0.43            | 19        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01380-00003                     | 0.27                  | 1.53                         | 0.16              | 0.23            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01392-00001                     | 0.29                  | 1.65                         | 0.17              | 0.27            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01404-00001                     | 0.28                  | 1.59                         | 0.16              | 0.23            | 14        | < 0.2            | -          | Y          | SC    | S                      | -                        | -  | -  |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01381-00003                     | 0.26                  | 1.48                         | 0.17              | 0.38            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01393-00001                     | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01405-00001                     | 0.27                  | 1.53                         | 0.17              | 0.38            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01378-00003                     | 0.28                  | 1.59                         | 0.41              | 0.47            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01390-00001                     | 0.29                  | 1.65                         | 0.46              | 0.53            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |   | Full Divided Lite                                      | AND-N-67-01402-00001                     | 0.29                  | 1.65                         | 0.41              | 0.47            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type                    | Andersen Glass Type            | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |       |            | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |        |        |
|--|--------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|-------|------------|------------------------|-------|--------------------------|--------|--------|
|  |                                |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | Vt <sup>3</sup> | Canada ER |       | North | N. Central | S. Central             | South | Zone 1                   | Zone 2 | Zone 3 |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Picture | Low-E4® w/ Heatlock™           | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01600-00003                     | 0.23                  | 1.31                         | 0.25              | 0.42            | 26        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | Z2     | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01606-00001                     | 0.24                  | 1.36                         | 0.28              | 0.47            | 26        | < 0.2 | N     | NC         | -                      | -     | Z1                       | Z2     | -      |
|  |                                | Full Divided Lite   | AND-N-67-01612-00001                     | 0.25                  | 1.42                         | 0.25              | 0.42            | 23        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01601-00003                     | 0.23                  | 1.31                         | 0.17              | 0.38            | 21        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | Z2     | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01607-00001                     | 0.24                  | 1.36                         | 0.19              | 0.42            | 21        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | Z2     | -      |
|  |                                | Full Divided Lite   | AND-N-67-01613-00001                     | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01599-00003                     | 0.24                  | 1.36                         | 0.37              | 0.46            | 31        | < 0.2 | N     | NC         | -                      | -     | Z1                       | Z2     | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01605-00001                     | 0.25                  | 1.42                         | 0.41              | 0.52            | 32        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  |                                | Full Divided Lite   | AND-N-67-01611-00001                     | 0.26                  | 1.48                         | 0.37              | 0.46            | 29        | < 0.2 | N     | NC         | -                      | -     | Z1                       | Z2     | -      |
|  |                                | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |       |       |            |                        |       |                          |        |        |
|  |                                | No Grilles  | AND-N-67-01319-00004                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01319-00005                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  | Low-E4® Sun                    | Finelight™ (grilles-between-the-glass)  | AND-N-67-01325-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01337-00002                     | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2 | -     | NC         | -                      | -     | -                        | -      | -      |
|  |                                | No Grilles  | AND-N-67-01320-00004                     | 0.28                  | 1.59                         | 0.20              | 0.31            | 17        | < 0.2 | -     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01320-00005                     | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01326-00002                     | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01338-00002                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  | Low-E4® SmartSun™              | No Grilles  | AND-N-67-01321-00004                     | 0.27                  | 1.53                         | 0.21              | 0.50            | 18        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01321-00005                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01327-00002                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01339-00002                     | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2 | -     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | No Grilles  | AND-N-67-01318-00004                     | 0.28                  | 1.59                         | 0.50              | 0.61            | 34        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | Z3     |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01318-00005                     | 0.28                  | 1.59                         | 0.45              | 0.54            | 31        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  | Low-E4® PassiveSun®            | Finelight™ (grilles-between-the-glass)  | AND-N-67-01324-00002                     | 0.28                  | 1.59                         | 0.45              | 0.54            | 31        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  |                                | Full Divided Lite   | AND-N-67-01336-00002                     | 0.30                  | 1.70                         | 0.45              | 0.54            | 29        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  |                                | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |       |       |            |                        |       |                          |        |        |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01319-00006                     | 0.27                  | 1.53                         | 0.26              | 0.43            | 21        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01331-00002                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01343-00002                     | 0.29                  | 1.65                         | 0.26              | 0.43            | 19        | < 0.2 | -     | NC         | -                      | -     | -                        | -      | -      |
|  | Low-E4® Sun                    | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01320-00006                     | 0.28                  | 1.59                         | 0.16              | 0.24            | 14        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01332-00002                     | 0.28                  | 1.59                         | 0.18              | 0.27            | 15        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01344-00002                     | 0.29                  | 1.65                         | 0.16              | 0.24            | 13        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01321-00006                     | 0.27                  | 1.53                         | 0.17              | 0.39            | 16        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01333-00002                     | 0.27                  | 1.53                         | 0.19              | 0.44            | 17        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01345-00002                     | 0.28                  | 1.59                         | 0.17              | 0.39            | 15        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |
|  | Low-E4® PassiveSun®            | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01318-00006                     | 0.28                  | 1.59                         | 0.40              | 0.48            | 28        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Finelight™ (grilles-between-the-glass)  | AND-N-67-01330-00002                     | 0.28                  | 1.59                         | 0.45              | 0.54            | 31        | < 0.2 | N     | -          | -                      | -     | Z1                       | Z2     | -      |
|  |                                | Full Divided Lite   | AND-N-67-01342-00002                     | 0.29                  | 1.65                         | 0.40              | 0.48            | 27        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |       |       |            |                        |       |                          |        |        |
|  |                                | No Grilles  | AND-N-67-01349-00004                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01349-00005                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  | Low-E4®                        | Finelight™ (grilles-between-the-glass)  | AND-N-67-01355-00005                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2 | N     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01367-00005                     | 0.28                  | 1.59                         | 0.29              | 0.49            | 22        | < 0.2 | -     | NC         | -                      | -     | Z1                       | -      | -      |
|  |                                | No Grilles  | AND-N-67-01350-00004                     | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01350-00005                     | 0.27                  | 1.53                         | 0.17              | 0.27            | 16        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  | Low-E4® Sun                    | Finelight™ (grilles-between-the-glass)  | AND-N-67-01356-00005                     | 0.27                  | 1.53                         | 0.17              | 0.27            | 16        | < 0.2 | N     | NC         | SC                     | S     | Z1                       | -      | -      |
|  |                                | Full Divided Lite   | AND-N-67-01368-00005                     | 0.29                  | 1.65                         | 0.17              | 0.27            | 13        | < 0.2 | -     | NC         | SC                     | S     | -                        | -      | -      |

| Andersen® Product Line & Product Type                                 | Andersen Glass Type                                    | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |    |  |
|---|--|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|----|--|
|   |  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |    |  |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Picture              | Low-E4® SmartSun™                                      | No Grilles   | AND-N-67-01351-00004                     | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|   |  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01351-00005                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01357-00005                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|   |  | Full Divided Lite                                      | AND-N-67-01369-00005                     | 0.28                  | 1.59                         | 0.19              | 0.44            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|   | Low-E4® PassiveSun®                                    | No Grilles   | AND-N-67-01348-00004                     | 0.28                  | 1.59                         | 0.52              | 0.60            | 35        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |
|   |  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01348-00005                     | 0.28                  | 1.59                         | 0.46              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01354-00005                     | 0.28                  | 1.59                         | 0.44              | 0.54            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|   |  | Full Divided Lite                                      | AND-N-67-01366-00005                     | 0.29                  | 1.65                         | 0.44              | 0.54            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
| 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |  |
| Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01349-00006                                   | 0.27                                     | 1.53                  | 0.26                         | 0.43              | 21              | < 0.2     | N                | NC         | -          | -     | Z1                     | -      | -                        |    |  |
|   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01361-00005                                   | 0.28                                     | 1.59                  | 0.29                         | 0.49              | 22              | < 0.2     | -                | NC         | -          | -     | Z1                     | -      | -                        |    |  |
|   | Full Divided Lite                                      | AND-N-67-01373-00005                                   | 0.28                                     | 1.59                  | 0.26                         | 0.43              | 20              | < 0.2     | -                | NC         | -          | -     | Z1                     | -      | -                        |    |  |
|   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01350-00006                                   | 0.27                                     | 1.53                  | 0.16                         | 0.23              | 16              | < 0.2     | N                | NC         | SC         | S     | Z1                     | -      | -                        |    |  |
| Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01362-00005                                   | 0.29                                     | 1.65                  | 0.17                         | 0.27              | 13              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |    |  |
|   | Full Divided Lite                                      | AND-N-67-01374-00005                                   | 0.28                                     | 1.59                  | 0.16                         | 0.23              | 14              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |    |  |
|   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01351-00006                                   | 0.26                                     | 1.48                  | 0.17                         | 0.39              | 17              | < 0.2     | N                | NC         | SC         | S     | Z1                     | -      | -                        |    |  |
|   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01363-00005                                   | 0.28                                     | 1.59                  | 0.19                         | 0.44              | 16              | < 0.2     | -                | NC         | SC         | S     | Z1                     | -      | -                        |    |  |
| Low-E4® PassiveSun®   | Full Divided Lite                                      | AND-N-67-01375-00005                                   | 0.28                                     | 1.59                  | 0.17                         | 0.39              | 15              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |    |  |
|   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01348-00006                                   | 0.28                                     | 1.59                  | 0.41                         | 0.47              | 29              | < 0.2     | N                | -          | -          | -     | Z1                     | Z2     | -                        |    |  |
|   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01360-00005                                   | 0.29                                     | 1.65                  | 0.44                         | 0.54              | 29              | < 0.2     | N                | -          | -          | -     | Z1                     | Z2     | -                        |    |  |
|   | Full Divided Lite                                      | AND-N-67-01372-00005                                   | 0.29                                     | 1.65                  | 0.39                         | 0.47              | 26              | < 0.2     | N                | NC         | -          | -     | Z1                     | -      | -                        |    |  |

| Andersen® Product Line & Product Type   | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>  |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Woodwright® Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-67-01151-00001                     | 0.31                  | 1.76                         | 0.32              | 0.55            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01151-00002                     | 0.31                  | 1.76                         | 0.29              | 0.49            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01157-00001                     | 0.31                  | 1.76                         | 0.29              | 0.49            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01169-00001                     | 0.32                  | 1.82                         | 0.29              | 0.49            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® Sun                      | No Grilles   | AND-N-67-01152-00001                     | 0.31                  | 1.76                         | 0.20              | 0.31            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01152-00002                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01158-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01170-00001                     | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-67-01153-00001                     | 0.30                  | 1.70                         | 0.21              | 0.50            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01153-00002                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01159-00001                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01171-00001                     | 0.32                  | 1.82                         | 0.19              | 0.44            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-67-01150-00001                     | 0.32                  | 1.82                         | 0.53              | 0.61            | 31        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01150-00002                     | 0.32                  | 1.82                         | 0.47              | 0.54            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01156-00001                     | 0.32                  | 1.82                         | 0.47              | 0.54            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01168-00001                     | 0.33                  | 1.87                         | 0.47              | 0.54            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-67-01486-00001                     | 0.26                  | 1.48                         | 0.31              | 0.54            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01486-00002                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01489-00001                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01495-00001                     | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-67-01487-00001                     | 0.25                  | 1.42                         | 0.21              | 0.48            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01487-00002                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01490-00001                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01496-00001                     | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  |    |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-67-01485-00001                     | 0.26                  | 1.48                         | 0.48              | 0.59            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01485-00002                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01488-00001                     | 0.26                  | 1.48                         | 0.43              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite                                      | AND-N-67-01494-00001                     | 0.29                  | 1.65                         | 0.43              | 0.53            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Woodwright® Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01151-00003                     | 0.31                  | 1.76                         | 0.26              | 0.43            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01163-00001                     | 0.31                  | 1.76                         | 0.29              | 0.49            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01175-00001                     | 0.32                  | 1.82                         | 0.26              | 0.43            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01152-00003                     | 0.31                  | 1.76                         | 0.16              | 0.24            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01164-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01176-00001                     | 0.32                  | 1.82                         | 0.16              | 0.24            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01153-00003                     | 0.30                  | 1.70                         | 0.18              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01165-00001                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-67-01177-00001                     | 0.32                  | 1.82                         | 0.18              | 0.39            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01150-00003                     | 0.32                  | 1.82                         | 0.42              | 0.48            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01162-00001                     | 0.32                  | 1.82                         | 0.47              | 0.54            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-67-01174-00001                     | 0.33                  | 1.87                         | 0.42              | 0.48            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01486-00003                     | 0.26                  | 1.48                         | 0.25              | 0.42            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01492-00001                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite                                      | AND-N-67-01498-00001                     | 0.28                  | 1.59                         | 0.25              | 0.42            | 19        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01487-00003                     | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01493-00001                     | 0.25                  | 1.42                         | 0.19              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite                                      | AND-N-67-01499-00001                     | 0.28                  | 1.59                         | 0.17              | 0.38            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> |            |            |       | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |  |
|---|---|---|--|-----------------------|------------|------------|-------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|--|
|   |   |   |  | North                 | N. Central | S. Central | South |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |  |
| 400 Series Woodwright® Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01485-00003                     | 0.26                  | 1.48       | 0.38       | 0.47  | 29                | < 0.2           | N         | NC               | -          | -          | -     | Z1                     | Z2     | -                        |   |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01491-00001                     | 0.26                  | 1.48       | 0.43       | 0.53  | 32                | < 0.2           | N         | -                | -          | -          | -     | Z1                     | Z2     | -                        |   |  |
|   |   | Full Divided Lite   | AND-N-67-01497-00001                     | 0.29                  | 1.65       | 0.38       | 0.47  | 26                | < 0.2           | N         | NC               | -          | -          | -     | Z1                     | -      | -                        |   |  |
|   |   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |            |            |       |                   |                 |           |                  |            |            |       |                        |        |                          |   |  |
|   | Low-E4®   | No Grilles  | AND-N-67-01181-00001                     | 0.30                  | 1.70       | 0.32       | 0.55  | 21                | < 0.2           | -         | NC               | -          | -          | -     | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01181-00002                     | 0.30                  | 1.70       | 0.29       | 0.49  | 19                | < 0.2           | -         | NC               | -          | -          | -     | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01187-00001                     | 0.30                  | 1.70       | 0.29       | 0.49  | 19                | < 0.2           | -         | NC               | -          | -          | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01199-00001                     | 0.32                  | 1.82       | 0.29       | 0.49  | 17                | < 0.2           | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|   | Low-E4® Sun   | No Grilles  | AND-N-67-01182-00001                     | 0.31                  | 1.76       | 0.20       | 0.30  | 13                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01182-00002                     | 0.31                  | 1.76       | 0.18       | 0.27  | 12                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01188-00001                     | 0.31                  | 1.76       | 0.18       | 0.27  | 12                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01200-00001                     | 0.32                  | 1.82       | 0.18       | 0.27  | 10                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-67-01183-00001                     | 0.30                  | 1.70       | 0.22       | 0.49  | 15                | < 0.2           | -         | NC               | SC         | S          | -     | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01183-00002                     | 0.30                  | 1.70       | 0.20       | 0.44  | 14                | < 0.2           | -         | NC               | SC         | S          | -     | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01189-00001                     | 0.30                  | 1.70       | 0.20       | 0.44  | 14                | < 0.2           | -         | NC               | SC         | S          | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01201-00001                     | 0.32                  | 1.82       | 0.20       | 0.44  | 11                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   | Low-E4® PassiveSun®   | No Grilles  | AND-N-67-01180-00001                     | 0.31                  | 1.76       | 0.51       | 0.60  | 31                | < 0.2           | -         | -                | -          | -          | Z1    | Z2                     | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01180-00002                     | 0.31                  | 1.76       | 0.46       | 0.54  | 28                | < 0.2           | -         | -                | -          | Z1         | -     | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01186-00001                     | 0.31                  | 1.76       | 0.46       | 0.54  | 28                | < 0.2           | -         | -                | -          | Z1         | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01198-00001                     | 0.33                  | 1.87       | 0.46       | 0.54  | 25                | < 0.2           | -         | -                | -          | Z1         | -     | -                      | -      | -                        | - |  |
|   | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-67-01501-00001                     | 0.25                  | 1.42       | 0.31       | 0.53  | 27                | < 0.2           | N         | NC               | -          | -          | Z1    | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01501-00002                     | 0.25                  | 1.42       | 0.28       | 0.48  | 25                | < 0.2           | N         | NC               | -          | -          | Z1    | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01504-00001                     | 0.25                  | 1.42       | 0.28       | 0.48  | 25                | < 0.2           | N         | NC               | -          | -          | Z1    | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01510-00001                     | 0.28                  | 1.59       | 0.28       | 0.48  | 21                | < 0.2           | -         | NC               | -          | -          | Z1    | -                      | -      | -                        | - |  |
|   | Low-E4® SmartSun™ w/ Heatlock™                                | No Grilles  | AND-N-67-01502-00001                     | 0.25                  | 1.42       | 0.21       | 0.48  | 21                | < 0.2           | N         | NC               | SC         | S          | Z1    | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01502-00002                     | 0.25                  | 1.42       | 0.19       | 0.43  | 20                | < 0.2           | N         | NC               | SC         | S          | Z1    | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01505-00001                     | 0.25                  | 1.42       | 0.19       | 0.43  | 20                | < 0.2           | N         | NC               | SC         | S          | Z1    | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01511-00001                     | 0.28                  | 1.59       | 0.19       | 0.43  | 16                | < 0.2           | -         | NC               | SC         | S          | Z1    | -                      | -      | -                        | - |  |
|   | Low-E4® PassiveSun® w/ Heatlock™                              | No Grilles  | AND-N-67-01500-00001                     | 0.26                  | 1.48       | 0.47       | 0.59  | 35                | < 0.2           | N         | -                | -          | -          | Z1    | Z2                     | B3     | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01500-00002                     | 0.26                  | 1.48       | 0.42       | 0.52  | 32                | < 0.2           | N         | -                | -          | -          | Z1    | Z2                     | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01503-00001                     | 0.26                  | 1.48       | 0.42       | 0.52  | 32                | < 0.2           | N         | -                | -          | -          | Z1    | Z2                     | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01509-00001                     | 0.28                  | 1.59       | 0.42       | 0.52  | 29                | < 0.2           | N         | -                | -          | -          | Z1    | Z2                     | -      | -                        | - |  |
|   | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |            |            |       |                   |                 |           |                  |            |            |       |                        |        |                          |   |  |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01181-00003                     | 0.30                  | 1.70       | 0.26       | 0.43  | 18                | < 0.2           | -         | NC               | -          | -          | -     | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01193-00001                     | 0.32                  | 1.82       | 0.29       | 0.49  | 17                | < 0.2           | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01205-00001                     | 0.32                  | 1.82       | 0.26       | 0.43  | 15                | < 0.2           | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01182-00003                     | 0.31                  | 1.76       | 0.16       | 0.23  | 11                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01194-00001                     | 0.32                  | 1.82       | 0.18       | 0.27  | 10                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01206-00001                     | 0.32                  | 1.82       | 0.16       | 0.23  | 9                 | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01183-00003                     | 0.30                  | 1.70       | 0.18       | 0.39  | 13                | < 0.2           | -         | NC               | SC         | S          | -     | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01195-00001                     | 0.32                  | 1.82       | 0.20       | 0.44  | 11                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-67-01207-00001                     | 0.31                  | 1.76       | 0.18       | 0.39  | 12                | < 0.2           | -         | -                | -          | S          | -     | -                      | -      | -                        | - |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01180-00003                     | 0.31                  | 1.76       | 0.41       | 0.47  | 25                | < 0.2           | -         | -                | -          | -          | Z1    | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01192-00001                     | 0.33                  | 1.87       | 0.46       | 0.54  | 25                | < 0.2           | -         | -                | -          | Z1         | -     | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01204-00001                     | 0.32                  | 1.82       | 0.41       | 0.47  | 24                | < 0.2           | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-67-01501-00003                     | 0.25                  | 1.42       | 0.25       | 0.42  | 23                | < 0.2           | N         | NC               | SC         | S          | Z1    | -                      | -      | -                        | - |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-67-01507-00001                     | 0.27                  | 1.53       | 0.28       | 0.48  | 22                | < 0.2           | N         | NC               | -          | -          | Z1    | -                      | -      | -                        | - |  |
|   |   | Full Divided Lite   | AND-N-67-01513-00001                     | 0.28                  | 1.59       | 0.25       | 0.42  | 19                | < 0.2           | -         | NC               | SC         | S          | Z1    | -                      | -      | -                        | - |  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| 400 Series Woodwright® Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01502-00003                     | 0.25                  | 1.42                         | 0.17              | 0.38            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01508-00001                     | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01514-00001                     | 0.27                  | 1.53                         | 0.17              | 0.38            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01500-00003                     | 0.26                  | 1.48                         | 0.37              | 0.46            | 29        | < 0.2            | N          | Y          | -     | -                      | Z1                       | Z2 | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01506-00001                     | 0.27                  | 1.53                         | 0.42              | 0.52            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01512-00001                     | 0.28                  | 1.59                         | 0.37              | 0.46            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   | 4.7 Annealed or 4.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   | Low-E4®   | No Grilles   | AND-N-67-01211-00001                     | 0.31                  | 1.76                         | 0.32              | 0.54            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01211-00002                     | 0.31                  | 1.76                         | 0.29              | 0.48            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01217-00001                     | 0.31                  | 1.76                         | 0.29              | 0.48            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01229-00001                     | 0.32                  | 1.82                         | 0.29              | 0.48            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   | Low-E4® Sun   | No Grilles   | AND-N-67-01212-00001                     | 0.31                  | 1.76                         | 0.20              | 0.30            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01212-00002                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01218-00001                     | 0.31                  | 1.76                         | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01230-00001                     | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-67-01213-00001                     | 0.30                  | 1.70                         | 0.22              | 0.49            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01213-00002                     | 0.30                  | 1.70                         | 0.20              | 0.43            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01219-00001                     | 0.30                  | 1.70                         | 0.20              | 0.43            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01231-00001                     | 0.31                  | 1.76                         | 0.20              | 0.43            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-67-01210-00001                     | 0.31                  | 1.76                         | 0.51              | 0.60            | 31        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01210-00002                     | 0.31                  | 1.76                         | 0.45              | 0.53            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01216-00001                     | 0.31                  | 1.76                         | 0.45              | 0.53            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01228-00001                     | 0.32                  | 1.82                         | 0.45              | 0.53            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  | -  |
|   | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-67-01516-00001                     | 0.26                  | 1.48                         | 0.31              | 0.53            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01516-00002                     | 0.26                  | 1.48                         | 0.28              | 0.47            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01519-00001                     | 0.26                  | 1.48                         | 0.28              | 0.47            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01525-00001                     | 0.28                  | 1.59                         | 0.28              | 0.47            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™ w/ Heatlock™  | No Grilles   | AND-N-67-01517-00001                     | 0.25                  | 1.42                         | 0.21              | 0.48            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01517-00002                     | 0.25                  | 1.42                         | 0.19              | 0.42            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01520-00001                     | 0.25                  | 1.42                         | 0.19              | 0.42            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01526-00001                     | 0.28                  | 1.59                         | 0.19              | 0.42            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® PassiveSun® w/ Heatlock™  | No Grilles   | AND-N-67-01515-00001                     | 0.26                  | 1.48                         | 0.46              | 0.58            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01515-00002                     | 0.26                  | 1.48                         | 0.41              | 0.52            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01518-00001                     | 0.26                  | 1.48                         | 0.41              | 0.52            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01524-00001                     | 0.28                  | 1.59                         | 0.41              | 0.52            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   | 4.7 Annealed or 4.7 Tempered Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01211-00003                     | 0.31                  | 1.76                         | 0.26              | 0.43            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01223-00001                     | 0.33                  | 1.87                         | 0.29              | 0.48            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01235-00001                     | 0.32                  | 1.82                         | 0.26              | 0.43            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01212-00003                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01224-00001                     | 0.33                  | 1.87                         | 0.18              | 0.27            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01236-00001                     | 0.32                  | 1.82                         | 0.16              | 0.23            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01213-00003                     | 0.30                  | 1.70                         | 0.18              | 0.38            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01225-00001                     | 0.32                  | 1.82                         | 0.20              | 0.43            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01237-00001                     | 0.31                  | 1.76                         | 0.18              | 0.38            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | -  |
|   | Low-E4® Passivesun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01210-00003                     | 0.31                  | 1.76                         | 0.40              | 0.47            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01222-00001                     | 0.33                  | 1.87                         | 0.45              | 0.53            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -  | -  |
|   |   | Full Divided Lite                                      | AND-N-67-01234-00001                     | 0.32                  | 1.82                         | 0.40              | 0.47            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  | -  |

| Andersen® Product Line & Product Type  | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number               |                      |            |            |       | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|--|---|---|--|----------------------|------------|------------|-------|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|  |   |   |  | North                | N. Central | S. Central | South |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series<br>Woodwright® Double-Hung<br>Full-Frame Picture<br>(w/ Capillary Breather Tubes) | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01516-00003                                   | 0.26                 | 1.48       | 0.25       | 0.42  | 22                    | < 0.2                        | N                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Finelight™ (grilles-between-the-glass)  | AND-N-67-01522-00001                                   | 0.27                 | 1.53       | 0.28       | 0.47  | 22                    | < 0.2                        | N                 | NC              | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite   | AND-N-67-01528-00001                                   | 0.28                 | 1.59       | 0.25       | 0.42  | 19                    | < 0.2                        | -                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01517-00003                                   | 0.25                 | 1.42       | 0.17       | 0.38  | 19                    | < 0.2                        | N                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Finelight™ (grilles-between-the-glass)  | AND-N-67-01523-00001                                   | 0.27                 | 1.53       | 0.19       | 0.42  | 17                    | < 0.2                        | N                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite   | AND-N-67-01529-00001                                   | 0.28                 | 1.59       | 0.17       | 0.38  | 15                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01515-00003                                   | 0.26                 | 1.48       | 0.37       | 0.46  | 29                    | < 0.2                        | N                 | NC              | -         | -                | Z1         | Z2         | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Finelight™ (grilles-between-the-glass)  | AND-N-67-01521-00001                                   | 0.28                 | 1.59       | 0.41       | 0.52  | 29                    | < 0.2                        | N                 | -               | -         | -                | Z1         | Z2         | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Full Divided Lite   | AND-N-67-01527-00001                                   | 0.29                 | 1.65       | 0.37       | 0.46  | 25                    | < 0.2                        | N                 | NC              | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                      |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  |   | Low-E4®   | No Grilles   | AND-N-67-01151-00004 | 0.31       | 1.76       | 0.32  | 0.55                  | 20                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01151-00005 | 0.31       | 1.76       | 0.29  | 0.49                  | 18                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01157-00002 | 0.31       | 1.76       | 0.29  | 0.49                  | 18                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Full Divided Lite                                      | AND-N-67-01169-00002 | 0.32       | 1.82       | 0.29  | 0.49                  | 17                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | Low-E4® Sun   | No Grilles  | AND-N-67-01152-00004                                   | 0.31                 | 1.76       | 0.20       | 0.31  | 13                    | < 0.2                        | -                 | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01152-00005 | 0.31       | 1.76       | 0.18  | 0.27                  | 12                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01158-00002 | 0.31       | 1.76       | 0.18  | 0.27                  | 12                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Full Divided Lite                                      | AND-N-67-01170-00002 | 0.33       | 1.87       | 0.18  | 0.27                  | 9                            | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  | Low-E4® SmartSun™   | No Grilles  | AND-N-67-01153-00004                                   | 0.30                 | 1.70       | 0.21       | 0.50  | 15                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01153-00005 | 0.30       | 1.70       | 0.19  | 0.44                  | 14                           | < 0.2             | -               | NC        | SC               | S          | -          | -     | -                      | -      | -                        | - | - |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01159-00002 | 0.30       | 1.70       | 0.19  | 0.44                  | 14                           | < 0.2             | -               | NC        | SC               | S          | -          | -     | -                      | -      | -                        | - | - |
|  |   |   | Full Divided Lite                                      | AND-N-67-01171-00002 | 0.32       | 1.82       | 0.19  | 0.44                  | 11                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  | Low-E4® PassiveSun®   | No Grilles  | AND-N-67-01150-00004                                   | 0.32                 | 1.82       | 0.50       | 0.61  | 29                    | < 0.2                        | -                 | -               | -         | -                | Z1         | Z2         | -     | -                      | Z1     | -                        | - |   |
|  |   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01150-00005 | 0.32       | 1.82       | 0.45  | 0.54                  | 26                           | < 0.2             | -               | -         | -                | -          | Z1         | -     | -                      | -      | Z1                       | - | - |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01156-00002 | 0.32       | 1.82       | 0.45  | 0.54                  | 26                           | < 0.2             | -               | -         | -                | -          | Z1         | -     | -                      | -      | Z1                       | - | - |
|  |   |   | Full Divided Lite                                      | AND-N-67-01168-00002 | 0.33       | 1.87       | 0.45  | 0.54                  | 25                           | < 0.2             | -               | -         | -                | -          | Z1         | -     | -                      | -      | Z1                       | - | - |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |   |  |                      |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-67-01151-00006                                   | 0.31                 | 1.76       | 0.26       | 0.43  | 16                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   | Low-E4®   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01163-00002 | 0.31       | 1.76       | 0.29  | 0.49                  | 18                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Full Divided Lite                                      | AND-N-67-01175-00002 | 0.32       | 1.82       | 0.26  | 0.43                  | 15                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01152-00006 | 0.31       | 1.76       | 0.16  | 0.24                  | 11                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)  | AND-N-67-01164-00002                                   | 0.31                 | 1.76       | 0.18       | 0.27  | 12                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        |   |   |
|  |   | Low-E4® Sun   | Full Divided Lite                                      | AND-N-67-01176-00002 | 0.32       | 1.82       | 0.16  | 0.24                  | 9                            | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01153-00006 | 0.30       | 1.70       | 0.18  | 0.39                  | 13                           | < 0.2             | -               | NC        | SC               | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01165-00002 | 0.30       | 1.70       | 0.19  | 0.44                  | 14                           | < 0.2             | -               | NC        | SC               | S          | -          | -     | -                      | -      | -                        | - |   |
|  | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-67-01177-00002                                   | 0.32                 | 1.82       | 0.18       | 0.39  | 10                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        |   |   |
|  |   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01150-00006 | 0.32       | 1.82       | 0.40  | 0.48                  | 23                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01162-00002 | 0.32       | 1.82       | 0.45  | 0.54                  | 26                           | < 0.2             | -               | -         | -                | -          | Z1         | -     | -                      | -      | Z1                       | - | - |
|  |   |   | Full Divided Lite                                      | AND-N-67-01174-00002 | 0.33       | 1.87       | 0.40  | 0.48                  | 22                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                      |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  | Low-E4®   | No Grilles  | AND-N-67-01181-00004                                   | 0.30                 | 1.70       | 0.32       | 0.55  | 21                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01181-00005 | 0.30       | 1.70       | 0.29  | 0.49                  | 19                           | < 0.2             | -               | NC        | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01187-00005 | 0.30       | 1.70       | 0.29  | 0.49                  | 19                           | < 0.2             | -               | NC        | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Full Divided Lite                                      | AND-N-67-01199-00005 | 0.32       | 1.82       | 0.29  | 0.49                  | 17                           | < 0.2             | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | Low-E4® Sun   | No Grilles  | AND-N-67-01182-00004                                   | 0.31                 | 1.76       | 0.20       | 0.30  | 13                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        |   |   |
|  |   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01182-00005 | 0.31       | 1.76       | 0.18  | 0.27                  | 12                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01188-00005 | 0.31       | 1.76       | 0.18  | 0.27                  | 12                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |
|  |   |   | Full Divided Lite                                      | AND-N-67-01200-00005 | 0.32       | 1.82       | 0.18  | 0.27                  | 10                           | < 0.2             | -               | -         | -                | S          | -          | -     | -                      | -      | -                        | - |   |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type                              | Grille Type  | NFRC Certified<br>Products<br>Directory Number |                       |                                 |                   |                 | Canada ER | U.S.<br>ENERGY<br>STAR<br>v 6.0 |       |            |            | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |        |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|---------------------------------|-------|------------|------------|-----------------------------------|--------|--------|--------|
|  |  |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> |           | Air Infiltration                | North | N. Central | S. Central | South                             | Zone 1 | Zone 2 | Zone 3 |
| 400 Series<br>Woodwright®<br>Double-Hung<br>Full-Frame Picture<br>(w/ Capillary<br>Breather Tubes) | Low-E4®<br>SmartSun™                                   | No Grilles   | AND-N-67-01183-00004                           | 0.30                  | 1.70                            | 0.22              | 0.49            | 15        | < 0.2                           | -     | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01183-00005                           | 0.30                  | 1.70                            | 0.20              | 0.44            | 14        | < 0.2                           | -     | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01189-00005                           | 0.30                  | 1.70                            | 0.20              | 0.44            | 14        | < 0.2                           | -     | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-67-01201-00005                           | 0.32                  | 1.82                            | 0.20              | 0.44            | 11        | < 0.2                           | -     | -          | -          | S                                 | -      | -      | -      |
|  | Low-E4®<br>PassiveSun®                                 | No Grilles   | AND-N-67-01180-00004                           | 0.31                  | 1.76                            | 0.51              | 0.60            | 31        | < 0.2                           | -     | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01180-00005                           | 0.31                  | 1.76                            | 0.46              | 0.54            | 28        | < 0.2                           | -     | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01186-00005                           | 0.31                  | 1.76                            | 0.44              | 0.54            | 27        | < 0.2                           | -     | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-67-01198-00005                           | 0.33                  | 1.87                            | 0.44              | 0.54            | 24        | < 0.2                           | -     | -          | -          | -                                 | -      | -      | -      |
| 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater                              |  |  |  |                       |                                 |                   |                 |           |                                 |       |            |            |                                   |        |        |        |
| Low-E4®<br>Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01181-00006                                   | 0.30   | 1.70                  | 0.26                            | 0.43              | 18              | < 0.2     | -                               | NC    | -          | -          | -                                 | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01193-00005                                   | 0.32   | 1.82                  | 0.29                            | 0.49              | 17              | < 0.2     | -                               | -     | -          | -          | -                                 | -      | -      |        |
|  | Full Divided Lite                                      | AND-N-67-01205-00005                                   | 0.32   | 1.82                  | 0.26                            | 0.43              | 15              | < 0.2     | -                               | -     | -          | -          | -                                 | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01182-00006                                   | 0.31   | 1.76                  | 0.16                            | 0.23              | 11              | < 0.2     | -                               | -     | -          | S          | -                                 | -      | -      |        |
| Low-E4®<br>SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01194-00005                                   | 0.32   | 1.82                  | 0.18                            | 0.27              | 10              | < 0.2     | -                               | -     | -          | S          | -                                 | -      | -      |        |
|  | Full Divided Lite                                      | AND-N-67-01206-00005                                   | 0.32   | 1.82                  | 0.16                            | 0.23              | 9               | < 0.2     | -                               | -     | -          | S          | -                                 | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01183-00006                                   | 0.30   | 1.70                  | 0.18                            | 0.39              | 13              | < 0.2     | -                               | NC    | SC         | S          | -                                 | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01195-00005                                   | 0.32   | 1.82                  | 0.20                            | 0.44              | 11              | < 0.2     | -                               | -     | -          | S          | -                                 | -      | -      |        |
| Low-E4®<br>PassiveSun®   | Full Divided Lite                                      | AND-N-67-01207-00005                                   | 0.31   | 1.76                  | 0.18                            | 0.39              | 12              | < 0.2     | -                               | -     | -          | S          | -                                 | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-67-01180-00006                                   | 0.31   | 1.76                  | 0.41                            | 0.47              | 25              | < 0.2     | -                               | -     | -          | -          | Z1                                | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-67-01192-00005                                   | 0.33   | 1.87                  | 0.44                            | 0.54              | 24              | < 0.2     | -                               | -     | -          | -          | -                                 | -      | -      |        |
|  | Full Divided Lite                                      | AND-N-67-01204-00005                                   | 0.32   | 1.82                  | 0.39                            | 0.47              | 22              | < 0.2     | -                               | -     | -          | -          | -                                 | -      | -      |        |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Woodwright® Double-Hung Full-Frame Transom                              | Low-E4®                          | No Grilles   | AND-N-68-00539-00001                     | 0.28                  | 1.59                         | 0.33              | 0.57            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00539-00002                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00545-00001                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00557-00001                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-68-00540-00001                     | 0.28                  | 1.59                         | 0.20              | 0.32            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00540-00002                     | 0.28                  | 1.59                         | 0.18              | 0.29            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00546-00001                     | 0.28                  | 1.59                         | 0.18              | 0.29            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00558-00001                     | 0.29                  | 1.65                         | 0.18              | 0.29            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-68-00541-00001                     | 0.27                  | 1.53                         | 0.22              | 0.52            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00541-00002                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00547-00001                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00559-00001                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-68-00538-00001                     | 0.28                  | 1.59                         | 0.55              | 0.63            | 37        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00538-00002                     | 0.28                  | 1.59                         | 0.49              | 0.56            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00544-00001                     | 0.28                  | 1.59                         | 0.49              | 0.56            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00556-00001                     | 0.30                  | 1.70                         | 0.49              | 0.56            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-68-00709-00001                     | 0.23                  | 1.31                         | 0.33              | 0.56            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00709-00002                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00712-00001                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00718-00001                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-68-00710-00001                     | 0.23                  | 1.31                         | 0.22              | 0.50            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00710-00002                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00713-00001                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00719-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-68-00708-00001                     | 0.24                  | 1.36                         | 0.50              | 0.62            | 39        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00708-00002                     | 0.24                  | 1.36                         | 0.45              | 0.55            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00711-00001                     | 0.24                  | 1.36                         | 0.45              | 0.55            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-68-00717-00001                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Woodwright® Double-Hung Full-Frame Transom                              | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00539-00003                     | 0.28                  | 1.59                         | 0.27              | 0.45            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00551-00001                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00563-00001                     | 0.29                  | 1.65                         | 0.27              | 0.45            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00540-00003                     | 0.28                  | 1.59                         | 0.17              | 0.25            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00552-00001                     | 0.28                  | 1.59                         | 0.18              | 0.29            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00564-00001                     | 0.29                  | 1.65                         | 0.17              | 0.25            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00541-00003                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00553-00001                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-68-00565-00001                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00538-00003                     | 0.28                  | 1.59                         | 0.44              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00550-00001                     | 0.28                  | 1.59                         | 0.49              | 0.56            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00562-00001                     | 0.29                  | 1.65                         | 0.44              | 0.50            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00709-00003                     | 0.23                  | 1.31                         | 0.26              | 0.44            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00715-00001                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00721-00001                     | 0.26                  | 1.48                         | 0.26              | 0.44            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00710-00003                     | 0.23                  | 1.31                         | 0.18              | 0.40            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00716-00001                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00722-00001                     | 0.25                  | 1.42                         | 0.18              | 0.40            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |

| Andersen® Product Line & Product Type                 | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---|----------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|   |                                  |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| 400 Series Woodwright® Double-Hung Full-Frame Transom | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00708-00003                     | 0.24                  | 1.36                         | 0.40              | 0.49            | 33        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00714-00001                     | 0.24                  | 1.36                         | 0.45              | 0.55            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Full Divided Lite   | AND-N-68-00720-00001                     | 0.26                  | 1.48                         | 0.40              | 0.49            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   |                                  | No Grilles  | AND-N-68-00569-00001                     | 0.27                  | 1.53                         | 0.33              | 0.57            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00569-00002                     | 0.27                  | 1.53                         | 0.30              | 0.51            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00575-00001                     | 0.27                  | 1.53                         | 0.30              | 0.51            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00587-00001                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|   |                                  | No Grilles  | AND-N-68-00570-00001                     | 0.28                  | 1.59                         | 0.20              | 0.31            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00570-00002                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00576-00001                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00588-00001                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   | Low-E4® SmartSun™                | No Grilles  | AND-N-68-00571-00001                     | 0.26                  | 1.48                         | 0.22              | 0.51            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00571-00002                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00577-00001                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00589-00001                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | No Grilles  | AND-N-68-00568-00001                     | 0.28                  | 1.59                         | 0.54              | 0.63            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00568-00002                     | 0.28                  | 1.59                         | 0.48              | 0.56            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   | Low-E4® w/ Heatlock™             | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00574-00001                     | 0.28                  | 1.59                         | 0.48              | 0.56            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00586-00001                     | 0.29                  | 1.65                         | 0.48              | 0.56            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | No Grilles  | AND-N-68-00724-00001                     | 0.23                  | 1.31                         | 0.32              | 0.56            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00724-00002                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00727-00001                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00733-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles  | AND-N-68-00725-00001                     | 0.23                  | 1.31                         | 0.22              | 0.50            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00725-00002                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00728-00001                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00734-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | No Grilles  | AND-N-68-00723-00001                     | 0.24                  | 1.36                         | 0.49              | 0.61            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00723-00002                     | 0.24                  | 1.36                         | 0.44              | 0.55            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   | Low-E4® PassiveSun® w/ Heatlock™ | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00726-00001                     | 0.24                  | 1.36                         | 0.44              | 0.55            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Full Divided Lite   | AND-N-68-00732-00001                     | 0.26                  | 1.48                         | 0.44              | 0.55            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00569-00003                     | 0.27                  | 1.53                         | 0.27              | 0.45            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00581-00001                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00593-00001                     | 0.28                  | 1.59                         | 0.27              | 0.45            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|   | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00570-00003                     | 0.28                  | 1.59                         | 0.16              | 0.25            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00582-00001                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00594-00001                     | 0.29                  | 1.65                         | 0.16              | 0.25            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00571-00003                     | 0.26                  | 1.48                         | 0.18              | 0.41            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00583-00001                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00595-00001                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00571-00003                     | 0.26                  | 1.48                         | 0.13              | 0.26            | 10        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00583-00001                     | 0.28                  | 1.59                         | 0.13              | 0.26            | 10        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00595-00001                     | 0.28                  | 1.59                         | 0.13              | 0.26            | 9         | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00568-00003                     | 0.28                  | 1.59                         | 0.43              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00580-00001                     | 0.29                  | 1.65                         | 0.48              | 0.56            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00592-00001                     | 0.29                  | 1.65                         | 0.43              | 0.50            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00724-00003                     | 0.23                  | 1.31                         | 0.26              | 0.44            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00730-00001                     | 0.24                  | 1.36                         | 0.29              | 0.50            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00736-00001                     | 0.25                  | 1.42                         | 0.26              | 0.44            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type                 | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |   |    | U.S. ENERGY STAR v 6.0 |            | Canada ENERGY STAR v 4.1 |       |        |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|---|----|------------------------|------------|--------------------------|-------|--------|
|   |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER |       |   |    | North                  | N. Central | S. Central               | South | Zone 1 |
| 400 Series Woodwright® Double-Hung Full-Frame Picture | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00725-00003                     | 0.23                  | 1.31                         | 0.18              | 0.40            | 22        | < 0.2 | N | NC | SC                     | S          | Z1                       | Z2    | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00731-00001                     | 0.24                  | 1.36                         | 0.20              | 0.45            | 22        | < 0.2 | N | NC | SC                     | S          | Z1                       | Z2    | -      |
|   |   | Full Divided Lite   | AND-N-68-00737-00001                     | 0.25                  | 1.42                         | 0.18              | 0.40            | 19        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00723-00003                     | 0.24                  | 1.36                         | 0.39              | 0.48            | 33        | < 0.2 | N | NC | -                      | -          | Z1                       | Z2    | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00729-00001                     | 0.25                  | 1.42                         | 0.44              | 0.55            | 34        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | Z3     |
|   |   | Full Divided Lite   | AND-N-68-00735-00001                     | 0.26                  | 1.48                         | 0.39              | 0.48            | 30        | < 0.2 | N | NC | -                      | -          | Z1                       | Z2    | -      |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |       |   |    |                        |            |                          |       |        |
|   | Low-E4®   | No Grilles  | AND-N-68-00539-00004                     | 0.28                  | 1.59                         | 0.33              | 0.57            | 24        | < 0.2 | N | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00539-00005                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2 | - | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00545-00002                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2 | - | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00557-00002                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2 | - | NC | -                      | -          | -                        | -     | -      |
|   | Low-E4® Sun   | No Grilles  | AND-N-68-00540-00004                     | 0.28                  | 1.59                         | 0.20              | 0.32            | 17        | < 0.2 | - | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00540-00005                     | 0.28                  | 1.59                         | 0.18              | 0.29            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00546-00002                     | 0.28                  | 1.59                         | 0.18              | 0.29            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00558-00002                     | 0.29                  | 1.65                         | 0.18              | 0.29            | 14        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | No Grilles  | AND-N-68-00541-00004                     | 0.27                  | 1.53                         | 0.22              | 0.52            | 19        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00541-00005                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00547-00002                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00559-00002                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 17        | < 0.2 | - | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | No Grilles  | AND-N-68-00538-00004                     | 0.28                  | 1.59                         | 0.52              | 0.63            | 35        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | Z3     |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00538-00005                     | 0.28                  | 1.59                         | 0.46              | 0.56            | 32        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00544-00002                     | 0.28                  | 1.59                         | 0.46              | 0.56            | 32        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | -      |
|   |   | Full Divided Lite   | AND-N-68-00556-00002                     | 0.30                  | 1.70                         | 0.46              | 0.56            | 29        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | -      |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |                       |                              |                   |                 |           |       |   |    |                        |            |                          |       |        |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00539-00006                     | 0.28                  | 1.59                         | 0.27              | 0.45            | 21        | < 0.2 | - | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00551-00002                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2 | - | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00563-00002                     | 0.29                  | 1.65                         | 0.27              | 0.45            | 19        | < 0.2 | - | NC | -                      | -          | -                        | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00540-00006                     | 0.28                  | 1.59                         | 0.17              | 0.25            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00552-00002                     | 0.28                  | 1.59                         | 0.18              | 0.29            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00564-00002                     | 0.29                  | 1.65                         | 0.17              | 0.25            | 13        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00541-00006                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 17        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00553-00002                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-68-00565-00002                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00538-00006                     | 0.28                  | 1.59                         | 0.42              | 0.50            | 29        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00550-00002                     | 0.28                  | 1.59                         | 0.46              | 0.56            | 32        | < 0.2 | N | -  | -                      | -          | Z1                       | Z2    | -      |
|   |   | Full Divided Lite   | AND-N-68-00562-00002                     | 0.29                  | 1.65                         | 0.42              | 0.50            | 28        | < 0.2 | N | -  | -                      | -          | Z1                       | -     | -      |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |       |   |    |                        |            |                          |       |        |
|   | Low-E4®   | No Grilles  | AND-N-68-00569-00004                     | 0.27                  | 1.53                         | 0.33              | 0.57            | 25        | < 0.2 | N | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00569-00005                     | 0.27                  | 1.53                         | 0.30              | 0.51            | 24        | < 0.2 | N | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00575-00005                     | 0.27                  | 1.53                         | 0.30              | 0.51            | 24        | < 0.2 | N | NC | -                      | -          | Z1                       | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00587-00005                     | 0.29                  | 1.65                         | 0.30              | 0.51            | 21        | < 0.2 | - | NC | -                      | -          | -                        | -     | -      |
|   | Low-E4® Sun   | No Grilles  | AND-N-68-00570-00004                     | 0.28                  | 1.59                         | 0.20              | 0.31            | 17        | < 0.2 | - | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00570-00005                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00576-00005                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00588-00005                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2 | - | NC | SC                     | S          | -                        | -     | -      |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-68-00571-00004                     | 0.26                  | 1.48                         | 0.22              | 0.51            | 20        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                | AND-N-68-00571-00005                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 19        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Finelight™ (grilles-between-the-glass)                                | AND-N-68-00577-00005                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 19        | < 0.2 | N | NC | SC                     | S          | Z1                       | -     | -      |
|   |   | Full Divided Lite   | AND-N-68-00589-00005                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 17        | < 0.2 | - | NC | SC                     | S          | Z1                       | -     | -      |

| Andersen® Product Line & Product Type                    | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |    |  |  |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|----|--|--|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |    |  |  |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Picture | Low-E4® PassiveSun®   | No Grilles   | AND-N-68-00568-00004                     | 0.28                  | 1.59                         | 0.54              | 0.63            | 36        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |  |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00568-00005                     | 0.28                  | 1.59                         | 0.48              | 0.56            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00574-00005                     | 0.28                  | 1.59                         | 0.45              | 0.56            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|  |   | Full Divided Lite                                      | AND-N-68-00586-00005                     | 0.29                  | 1.65                         | 0.45              | 0.56            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |  |  |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00569-00006                     | 0.27                  | 1.53                         | 0.27              | 0.45            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00581-00005                     | 0.28                  | 1.59                         | 0.30              | 0.51            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|  |   | Full Divided Lite                                      | AND-N-68-00593-00005                     | 0.28                  | 1.59                         | 0.27              | 0.45            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |  |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00570-00006                     | 0.28                  | 1.59                         | 0.16              | 0.25            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00582-00005                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|  |   | Full Divided Lite                                      | AND-N-68-00594-00005                     | 0.29                  | 1.65                         | 0.16              | 0.25            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00571-00006                     | 0.26                  | 1.48                         | 0.18              | 0.41            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00583-00005                     | 0.28                  | 1.59                         | 0.20              | 0.46            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  |  |  |
|  |   | Full Divided Lite                                      | AND-N-68-00595-00005                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |  |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00568-00006                     | 0.28                  | 1.59                         | 0.43              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00580-00005                     | 0.29                  | 1.65                         | 0.45              | 0.56            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |  |
|  |   | Full Divided Lite                                      | AND-N-68-00592-00005                     | 0.29                  | 1.65                         | 0.40              | 0.50            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |  |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>           |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Woodwright® Double-Hung<br>Full-Frame Picture<br>(w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-68-00425-00001                     | 0.31                  | 1.76                         | 0.33              | 0.57            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00425-00002                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00431-00001                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00443-00001                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  | Low-E4® Sun                      | No Grilles   | AND-N-68-00426-00001                     | 0.31                  | 1.76                         | 0.21              | 0.32            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00426-00002                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00432-00001                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00444-00001                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-68-00427-00001                     | 0.31                  | 1.76                         | 0.22              | 0.52            | 14        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00427-00002                     | 0.31                  | 1.76                         | 0.20              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00433-00001                     | 0.31                  | 1.76                         | 0.20              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00445-00001                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-68-00424-00001                     | 0.32                  | 1.82                         | 0.55              | 0.63            | 32        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00424-00002                     | 0.32                  | 1.82                         | 0.49              | 0.56            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00430-00001                     | 0.32                  | 1.82                         | 0.49              | 0.56            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00442-00001                     | 0.33                  | 1.87                         | 0.49              | 0.56            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-68-00652-00001                     | 0.26                  | 1.48                         | 0.33              | 0.56            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00652-00002                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00655-00001                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00661-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-68-00653-00001                     | 0.25                  | 1.42                         | 0.22              | 0.50            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00653-00002                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00656-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00662-00001                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  |    |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-68-00651-00001                     | 0.26                  | 1.48                         | 0.50              | 0.62            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00651-00002                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00654-00001                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00660-00001                     | 0.29                  | 1.65                         | 0.45              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                         |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Woodwright® Double-Hung<br>Full-Frame Picture<br>(w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00425-00003                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00437-00001                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00449-00001                     | 0.32                  | 1.82                         | 0.27              | 0.45            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00426-00003                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00438-00001                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00450-00001                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00427-00003                     | 0.31                  | 1.76                         | 0.18              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00439-00001                     | 0.31                  | 1.76                         | 0.20              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-68-00451-00001                     | 0.32                  | 1.82                         | 0.18              | 0.41            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00424-00003                     | 0.32                  | 1.82                         | 0.44              | 0.50            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00436-00001                     | 0.32                  | 1.82                         | 0.49              | 0.56            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-68-00448-00001                     | 0.33                  | 1.87                         | 0.44              | 0.50            | 24        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00652-00003                     | 0.26                  | 1.48                         | 0.26              | 0.44            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00658-00001                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00664-00001                     | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00653-00003                     | 0.25                  | 1.42                         | 0.18              | 0.40            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00659-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-68-00665-00001                     | 0.28                  | 1.59                         | 0.18              | 0.40            | 15        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |            | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |        |        |    |
|---|----------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|------------|------------------------|-------|--------------------------|--------|--------|----|
|   |                                  |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central             | South | Zone 1                   | Zone 2 | Zone 3 |    |
| 400 Series Woodwright® Double-Hung Full-Frame Transom (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00651-00003                     | 0.26                  | 1.48                         | 0.40              | 0.49            | 30        | < 0.2 | N          | NC                     | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00657-00001                     | 0.26                  | 1.48                         | 0.45              | 0.55            | 33        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00663-00001                     | 0.29                  | 1.65                         | 0.40              | 0.49            | 27        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|   |                                  | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |    |
|   | Low-E4®                          | No Grilles  | AND-N-68-00455-00001                     | 0.31                  | 1.76                         | 0.33              | 0.57            | 20        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00455-00002                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00461-00001                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00473-00001                     | 0.32                  | 1.82                         | 0.30              | 0.51            | 17        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   | Low-E4® Sun                      | No Grilles  | AND-N-68-00456-00001                     | 0.31                  | 1.76                         | 0.21              | 0.31            | 13        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00456-00002                     | 0.31                  | 1.76                         | 0.19              | 0.28            | 12        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00462-00001                     | 0.31                  | 1.76                         | 0.19              | 0.28            | 12        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00474-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   | Low-E4® SmartSun™                | No Grilles  | AND-N-68-00457-00001                     | 0.30                  | 1.70                         | 0.22              | 0.51            | 15        | < 0.2 | -          | NC                     | SC    | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00457-00002                     | 0.30                  | 1.70                         | 0.20              | 0.46            | 14        | < 0.2 | -          | NC                     | SC    | S                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00463-00001                     | 0.30                  | 1.70                         | 0.20              | 0.46            | 14        | < 0.2 | -          | NC                     | SC    | S                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00475-00001                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   | Low-E4® PassiveSun®              | No Grilles  | AND-N-68-00454-00001                     | 0.31                  | 1.76                         | 0.53              | 0.63            | 32        | < 0.2 | -          | -                      | -     | Z1                       | Z2     | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00454-00002                     | 0.31                  | 1.76                         | 0.48              | 0.56            | 29        | < 0.2 | -          | -                      | -     | Z1                       | Z2     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00460-00001                     | 0.31                  | 1.76                         | 0.48              | 0.56            | 29        | < 0.2 | -          | -                      | -     | Z1                       | Z2     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00472-00001                     | 0.33                  | 1.87                         | 0.48              | 0.56            | 27        | < 0.2 | -          | -                      | -     | Z1                       | -      | -      | -  |
|   | Low-E4® w/ Heatlock™             | No Grilles  | AND-N-68-00667-00001                     | 0.25                  | 1.42                         | 0.32              | 0.56            | 27        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00667-00002                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00670-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00676-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2 | -          | NC                     | -     | -                        | Z1     | -      | -  |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles  | AND-N-68-00668-00001                     | 0.25                  | 1.42                         | 0.22              | 0.50            | 21        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00668-00002                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00671-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00677-00001                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2 | -          | NC                     | SC    | S                        | Z1     | -      | -  |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles  | AND-N-68-00666-00001                     | 0.26                  | 1.48                         | 0.48              | 0.61            | 35        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00666-00002                     | 0.26                  | 1.48                         | 0.44              | 0.55            | 33        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00669-00001                     | 0.26                  | 1.48                         | 0.44              | 0.55            | 33        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00675-00001                     | 0.28                  | 1.59                         | 0.44              | 0.55            | 30        | < 0.2 | N          | -                      | -     | -                        | Z1     | Z2     | -  |
| 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater                       |                                  |   |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |    |
| 400 Series Woodwright® Double-Hung Full-Frame Transom (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00455-00003                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 17        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00467-00001                     | 0.32                  | 1.82                         | 0.30              | 0.51            | 17        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00479-00001                     | 0.32                  | 1.82                         | 0.27              | 0.45            | 16        | < 0.2 | -          | -                      | -     | -                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00456-00003                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00468-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00480-00001                     | 0.32                  | 1.82                         | 0.17              | 0.25            | 10        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00457-00003                     | 0.30                  | 1.70                         | 0.18              | 0.41            | 13        | < 0.2 | -          | NC                     | SC    | S                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00469-00001                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   | Low-E4® SmartSun™                | Full Divided Lite   | AND-N-68-00481-00001                     | 0.31                  | 1.76                         | 0.18              | 0.41            | 12        | < 0.2 | -          | -                      | -     | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00454-00003                     | 0.31                  | 1.76                         | 0.43              | 0.50            | 26        | < 0.2 | -          | -                      | -     | Z1                       | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00466-00001                     | 0.33                  | 1.87                         | 0.48              | 0.56            | 27        | < 0.2 | -          | -                      | -     | Z1                       | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00478-00001                     | 0.32                  | 1.82                         | 0.43              | 0.50            | 25        | < 0.2 | -          | -                      | -     | Z1                       | -      | -      | -  |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable                      | AND-N-68-00667-00003                     | 0.25                  | 1.42                         | 0.26              | 0.44            | 24        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-68-00673-00001                     | 0.27                  | 1.53                         | 0.29              | 0.50            | 23        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-68-00679-00001                     | 0.28                  | 1.59                         | 0.26              | 0.44            | 20        | < 0.2 | -          | NC                     | -     | -                        | Z1     | -      | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |   |
| 400 Series Woodwright® Double-Hung Full-Frame Picture (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00668-00003                     | 0.25                  | 1.42                         | 0.18              | 0.40            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00674-00001                     | 0.26                  | 1.48                         | 0.20              | 0.45            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00680-00001                     | 0.28                  | 1.59                         | 0.18              | 0.40            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00666-00003                     | 0.26                  | 1.48                         | 0.39              | 0.48            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00672-00001                     | 0.27                  | 1.53                         | 0.44              | 0.55            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | - |
|   |   | Full Divided Lite                                      | AND-N-68-00678-00001                     | 0.28                  | 1.59                         | 0.39              | 0.48            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
|   | Low-E4®   | No Grilles   | AND-N-68-00425-00004                     | 0.31                  | 1.76                         | 0.33              | 0.57            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00425-00005                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00431-00002                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00443-00002                     | 0.33                  | 1.87                         | 0.30              | 0.51            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-68-00426-00004                     | 0.31                  | 1.76                         | 0.21              | 0.32            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00426-00005                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00432-00002                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00444-00002                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-68-00427-00004                     | 0.31                  | 1.76                         | 0.22              | 0.52            | 14        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00427-00005                     | 0.31                  | 1.76                         | 0.20              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00433-00002                     | 0.31                  | 1.76                         | 0.20              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00445-00002                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-68-00424-00004                     | 0.32                  | 1.82                         | 0.52              | 0.63            | 30        | < 0.2            | -          | -          | -     | S                      | Z1                       | Z2 | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00424-00005                     | 0.32                  | 1.82                         | 0.47              | 0.56            | 27        | < 0.2            | -          | -          | -     | S                      | Z1                       | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00430-00002                     | 0.32                  | 1.82                         | 0.47              | 0.56            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00442-00002                     | 0.33                  | 1.87                         | 0.47              | 0.56            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00425-00006                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00437-00002                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00449-00002                     | 0.32                  | 1.82                         | 0.27              | 0.45            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00426-00006                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00438-00002                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00450-00002                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00427-00006                     | 0.31                  | 1.76                         | 0.18              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00439-00002                     | 0.31                  | 1.76                         | 0.20              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-68-00451-00002                     | 0.32                  | 1.82                         | 0.18              | 0.41            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00424-00006                     | 0.32                  | 1.82                         | 0.42              | 0.50            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00436-00002                     | 0.32                  | 1.82                         | 0.47              | 0.56            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00448-00002                     | 0.33                  | 1.87                         | 0.42              | 0.50            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |   |
|   | Low-E4®   | No Grilles   | AND-N-68-00455-00004                     | 0.31                  | 1.76                         | 0.33              | 0.57            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00455-00005                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00461-00005                     | 0.31                  | 1.76                         | 0.30              | 0.51            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00473-00005                     | 0.32                  | 1.82                         | 0.30              | 0.51            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-68-00456-00004                     | 0.31                  | 1.76                         | 0.21              | 0.31            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00456-00005                     | 0.31                  | 1.76                         | 0.19              | 0.28            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00462-00005                     | 0.31                  | 1.76                         | 0.19              | 0.28            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00474-00005                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-68-00457-00004                     | 0.30                  | 1.70                         | 0.22              | 0.51            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00457-00005                     | 0.30                  | 1.70                         | 0.20              | 0.46            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00463-00005                     | 0.30                  | 1.70                         | 0.20              | 0.46            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | - |
|   |   | Full Divided Lite                                      | AND-N-68-00475-00005                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series<br>Woodwright® Double-Hung Full-Frame Transom (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®   | No Grilles   | AND-N-68-00454-00004                     | 0.31                  | 1.76                         | 0.53              | 0.63            | 32        | < 0.2            | -          | -          | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00454-00005                     | 0.31                  | 1.76                         | 0.48              | 0.56            | 29        | < 0.2            | -          | -          | -     | -                      | Z1     | Z2                       | - |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00460-00005                     | 0.31                  | 1.76                         | 0.45              | 0.56            | 27        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite                                      | AND-N-68-00472-00005                     | 0.33                  | 1.87                         | 0.45              | 0.56            | 25        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00455-00006                     | 0.31                  | 1.76                         | 0.27              | 0.45            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00467-00005                     | 0.32                  | 1.82                         | 0.30              | 0.51            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-68-00479-00005                     | 0.32                  | 1.82                         | 0.27              | 0.45            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00456-00006                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00468-00005                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-68-00480-00005                     | 0.32                  | 1.82                         | 0.17              | 0.25            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00457-00006                     | 0.30                  | 1.70                         | 0.18              | 0.41            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00469-00005                     | 0.32                  | 1.82                         | 0.20              | 0.46            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-68-00481-00005                     | 0.31                  | 1.76                         | 0.18              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® PassiiveSun®  | Simulated Divided Lite or Installed Interior Removable | AND-N-68-00454-00006                     | 0.31                  | 1.76                         | 0.43              | 0.50            | 26        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-68-00466-00005                     | 0.33                  | 1.87                         | 0.45              | 0.56            | 25        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |   |
|  |   | Full Divided Lite                                      | AND-N-68-00478-00005                     | 0.32                  | 1.82                         | 0.41              | 0.50            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration | U.S.<br>ENERGY<br>STAR<br>v 6.0 |            |            | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |        |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|---------------------------------|------------|------------|-----------------------------------|--------|--------|--------|
|  |  |  |  |                       |                                 |                   |                 |           |                  | North                           | N. Central | S. Central | South                             | Zone 1 | Zone 2 | Zone 3 |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Woodwright®<br>Double-Hung<br>Insert                                 | Low-E4®                                | No Grilles   | AND-N-74-00571-00001                           | 0.30                  | 1.70                            | 0.31              | 0.53            | 20        | < 0.2            | -                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00571-00002                           | 0.30                  | 1.70                            | 0.28              | 0.47            | 18        | < 0.2            | -                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00577-00001                           | 0.30                  | 1.70                            | 0.28              | 0.47            | 18        | < 0.2            | -                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00589-00001                           | 0.31                  | 1.76                            | 0.28              | 0.47            | 17        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>Sun                         | No Grilles   | AND-N-74-00572-00001                           | 0.30                  | 1.70                            | 0.19              | 0.30            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00572-00002                           | 0.30                  | 1.70                            | 0.17              | 0.26            | 12        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00578-00001                           | 0.30                  | 1.70                            | 0.17              | 0.26            | 12        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00590-00001                           | 0.31                  | 1.76                            | 0.17              | 0.26            | 10        | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | No Grilles   | AND-N-74-00573-00001                           | 0.29                  | 1.65                            | 0.21              | 0.48            | 15        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00573-00002                           | 0.29                  | 1.65                            | 0.19              | 0.43            | 14        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00579-00001                           | 0.29                  | 1.65                            | 0.19              | 0.43            | 14        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00591-00001                           | 0.30                  | 1.70                            | 0.19              | 0.43            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>PassiveSun®                 | No Grilles   | AND-N-74-00570-00001                           | 0.30                  | 1.70                            | 0.51              | 0.59            | 31        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00570-00002                           | 0.30                  | 1.70                            | 0.46              | 0.52            | 29        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00576-00001                           | 0.30                  | 1.70                            | 0.46              | 0.52            | 29        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00588-00001                           | 0.31                  | 1.76                            | 0.46              | 0.52            | 27        | < 0.2            | -                               | -          | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>w/ Heatlock™                | No Grilles   | AND-N-74-00675-00001                           | 0.26                  | 1.48                            | 0.30              | 0.52            | 24        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00675-00002                           | 0.26                  | 1.48                            | 0.27              | 0.46            | 22        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00678-00001                           | 0.26                  | 1.48                            | 0.27              | 0.46            | 22        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00684-00001                           | 0.28                  | 1.59                            | 0.27              | 0.46            | 20        | < 0.2            | -                               | NC         | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | No Grilles   | AND-N-74-00676-00001                           | 0.25                  | 1.42                            | 0.20              | 0.47            | 20        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00676-00002                           | 0.25                  | 1.42                            | 0.18              | 0.42            | 19        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00679-00001                           | 0.25                  | 1.42                            | 0.18              | 0.42            | 19        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00685-00001                           | 0.27                  | 1.53                            | 0.18              | 0.42            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | No Grilles   | AND-N-74-00674-00001                           | 0.26                  | 1.48                            | 0.47              | 0.57            | 34        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00674-00002                           | 0.26                  | 1.48                            | 0.42              | 0.51            | 31        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00677-00001                           | 0.26                  | 1.48                            | 0.42              | 0.51            | 31        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00683-00001                           | 0.28                  | 1.59                            | 0.42              | 0.51            | 29        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Woodwright®<br>Double-Hung<br>Insert                                 | Low-E4®                                | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00571-00003                           | 0.30                  | 1.70                            | 0.25              | 0.42            | 16        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00583-00001                           | 0.31                  | 1.76                            | 0.28              | 0.47            | 17        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00595-00001                           | 0.30                  | 1.70                            | 0.25              | 0.42            | 16        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00572-00003                           | 0.30                  | 1.70                            | 0.16              | 0.23            | 11        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>Sun                         | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00584-00001                           | 0.32                  | 1.82                            | 0.17              | 0.26            | 9         | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00596-00001                           | 0.31                  | 1.76                            | 0.16              | 0.23            | 10        | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00573-00003                           | 0.29                  | 1.65                            | 0.17              | 0.38            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00585-00001                           | 0.31                  | 1.76                            | 0.19              | 0.43            | 12        | < 0.2            | -                               | -          | -          | S                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | Full Divided Lite                                      | AND-N-74-00597-00001                           | 0.30                  | 1.70                            | 0.17              | 0.38            | 12        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00570-00003                           | 0.30                  | 1.70                            | 0.41              | 0.46            | 26        | < 0.2            | -                               | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00582-00001                           | 0.32                  | 1.82                            | 0.46              | 0.52            | 26        | < 0.2            | -                               | -          | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00594-00001                           | 0.31                  | 1.76                            | 0.41              | 0.46            | 24        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>w/ Heatlock™                | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00675-00003                           | 0.26                  | 1.48                            | 0.25              | 0.41            | 21        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00681-00001                           | 0.27                  | 1.53                            | 0.27              | 0.46            | 21        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00687-00001                           | 0.28                  | 1.59                            | 0.25              | 0.41            | 19        | < 0.2            | -                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00676-00003                           | 0.25                  | 1.42                            | 0.17              | 0.37            | 18        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00682-00001                           | 0.27                  | 1.53                            | 0.18              | 0.42            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-74-00688-00001                           | 0.27                  | 1.53                            | 0.17              | 0.37            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |

| Andersen® Product Line & Product Type                         | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> |                              |                   |                 | SHgC <sup>2</sup> |            |            |       | Canada ER | Air Infiltration | U.S. ENERGY STAR v 6.0 |        |        | Canada ENERGY STAR v 4.1 |   |  |
|---|----------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|-------------------|------------|------------|-------|-----------|------------------|------------------------|--------|--------|--------------------------|---|--|
|   |                                  |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | Vt <sup>3</sup> | North             | N. Central | S. Central | South |           |                  | Zone 1                 | Zone 2 | Zone 3 |                          |   |  |
| 400 Series Woodwright® Double-Hung Insert                     | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00674-00003                     | 0.26                  | 1.48                         | 0.37              | 0.45            | 28                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      |                          |   |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00680-00001                     | 0.28                  | 1.59                         | 0.42              | 0.51            | 29                | < 0.2      | N          | -     | -         | -                | Z1                     | Z2     | -      |                          |   |  |
|   |                                  | Full Divided Lite   | AND-N-74-00686-00001                     | 0.28                  | 1.59                         | 0.37              | 0.45            | 26                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      |                          |   |  |
|   |                                  | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |                   |            |            |       |           |                  |                        |        |        |                          |   |  |
|   | Low-E4®                          | No Grilles  | AND-N-74-00601-00001                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20                | < 0.2      | -          | NC    | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00601-00002                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 18                | < 0.2      | -          | NC    | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00607-00001                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17                | < 0.2      | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00613-00001                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17                | < 0.2      | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® Sun                      | No Grilles  | AND-N-74-00602-00001                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00602-00002                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00608-00001                     | 0.32                  | 1.82                         | 0.17              | 0.26            | 9                 | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00614-00001                     | 0.32                  | 1.82                         | 0.17              | 0.26            | 9                 | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® SmartSun™                | No Grilles  | AND-N-74-00603-00001                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 14                | < 0.2      | -          | NC    | SC        | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00603-00002                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 13                | < 0.2      | -          | NC    | SC        | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00609-00001                     | 0.31                  | 1.76                         | 0.19              | 0.42            | 12                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00615-00001                     | 0.31                  | 1.76                         | 0.19              | 0.42            | 12                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® PassiveSun®              | No Grilles  | AND-N-74-00600-00001                     | 0.31                  | 1.76                         | 0.50              | 0.58            | 30                | < 0.2      | -          | -     | -         | Z1               | Z2                     | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00600-00002                     | 0.31                  | 1.76                         | 0.45              | 0.52            | 27                | < 0.2      | -          | -     | -         | Z1               | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00606-00001                     | 0.32                  | 1.82                         | 0.45              | 0.52            | 25                | < 0.2      | -          | -     | -         | Z1               | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00612-00001                     | 0.32                  | 1.82                         | 0.45              | 0.52            | 25                | < 0.2      | -          | -     | -         | Z1               | -                      | -      | -      | -                        | - |  |
|   | Low-E4® w/ Heatlock™             | No Grilles  | AND-N-74-00690-00001                     | 0.27                  | 1.53                         | 0.30              | 0.52            | 23                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00690-00002                     | 0.27                  | 1.53                         | 0.27              | 0.46            | 21                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00693-00001                     | 0.27                  | 1.53                         | 0.27              | 0.46            | 21                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00696-00001                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 20                | < 0.2      | -          | NC    | -         | -                | Z1                     | -      | -      | -                        | - |  |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles  | AND-N-74-00691-00001                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 18                | < 0.2      | N          | NC    | SC        | S                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00691-00002                     | 0.26                  | 1.48                         | 0.18              | 0.41            | 17                | < 0.2      | N          | NC    | SC        | S                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00694-00001                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 16                | < 0.2      | N          | NC    | SC        | S                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00697-00001                     | 0.28                  | 1.59                         | 0.18              | 0.41            | 15                | < 0.2      | -          | NC    | SC        | S                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles  | AND-N-74-00689-00001                     | 0.27                  | 1.53                         | 0.45              | 0.57            | 32                | < 0.2      | N          | -     | -         | -                | Z1                     | Z2     | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00689-00002                     | 0.27                  | 1.53                         | 0.40              | 0.51            | 29                | < 0.2      | N          | NC    | -         | -                | Z1                     | Z2     | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00692-00001                     | 0.28                  | 1.59                         | 0.40              | 0.51            | 27                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00695-00001                     | 0.29                  | 1.65                         | 0.40              | 0.51            | 26                | < 0.2      | N          | NC    | -         | -                | Z1                     | -      | -      | -                        | - |  |
| 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |                                  |   |  |                       |                              |                   |                 |                   |            |            |       |           |                  |                        |        |        |                          |   |  |
| 400 Series Woodwright® Double-Hung Insert                     | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00601-00003                     | 0.30                  | 1.70                         | 0.25              | 0.41            | 16                | < 0.2      | -          | NC    | SC        | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00619-00001                     | 0.31                  | 1.76                         | 0.25              | 0.41            | 15                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00602-00003                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 10                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00620-00001                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 10                | < 0.2      | -          | -     | -         | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00603-00003                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 12                | < 0.2      | -          | NC    | SC        | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® SmartSun™                | Full Divided Lite   | AND-N-74-00621-00001                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 12                | < 0.2      | -          | NC    | SC        | S                | -                      | -      | -      | -                        | - |  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00600-00003                     | 0.31                  | 1.76                         | 0.40              | 0.46            | 24                | < 0.2      | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00618-00001                     | 0.32                  | 1.82                         | 0.40              | 0.46            | 22                | < 0.2      | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00690-00003                     | 0.27                  | 1.53                         | 0.24              | 0.41            | 20                | < 0.2      | N          | NC    | SC        | S                | Z1                     | -      | -      | -                        | - |  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -                      | -      | -      | -                        | - |  |
|   |                                  | Full Divided Lite   | AND-N-74-00699-00001                     | 0.28                  | 1.59                         | 0.24              | 0.41            | 18                | < 0.2      | -          | NC    | SC        | S                | Z1                     | -      | -      | -                        | - |  |

| Andersen® Product Line & Product Type                                 | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Woodwright® Double-Hung Insert                             | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00691-00003                     | 0.26                  | 1.48                         | 0.17              | 0.36            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00700-00001                     | 0.28                  | 1.59                         | 0.17              | 0.36            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00689-00003                     | 0.27                  | 1.53                         | 0.36              | 0.45            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00698-00001                     | 0.29                  | 1.65                         | 0.36              | 0.45            | 24        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-74-00571-00004                     | 0.30                  | 1.70                         | 0.31              | 0.53            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00571-00005                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00577-00002                     | 0.30                  | 1.70                         | 0.28              | 0.47            | 18        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00589-00002                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-74-00572-00004                     | 0.30                  | 1.70                         | 0.19              | 0.30            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00572-00005                     | 0.30                  | 1.70                         | 0.17              | 0.26            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00578-00002                     | 0.30                  | 1.70                         | 0.17              | 0.26            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00590-00002                     | 0.31                  | 1.76                         | 0.17              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-74-00573-00004                     | 0.29                  | 1.65                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00573-00005                     | 0.29                  | 1.65                         | 0.19              | 0.43            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00579-00002                     | 0.29                  | 1.65                         | 0.19              | 0.43            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00591-00002                     | 0.30                  | 1.70                         | 0.19              | 0.43            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-74-00570-00004                     | 0.30                  | 1.70                         | 0.48              | 0.59            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00570-00005                     | 0.30                  | 1.70                         | 0.43              | 0.52            | 27        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00576-00002                     | 0.30                  | 1.70                         | 0.43              | 0.52            | 27        | < 0.2            | N          | -          | -     | -                      | Z1     | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00588-00002                     | 0.31                  | 1.76                         | 0.43              | 0.52            | 26        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - |
| 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |   |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
| Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00571-00006                                   | 0.30                                     | 1.70                  | 0.25                         | 0.42              | 16              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00583-00002                                   | 0.31                                     | 1.76                  | 0.28                         | 0.47              | 17              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-74-00595-00002                                   | 0.30                                     | 1.70                  | 0.25                         | 0.42              | 16              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00572-00006                                   | 0.30                                     | 1.70                  | 0.16                         | 0.23              | 11              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
| Low-E4® Sun   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00584-00002                                   | 0.32                                     | 1.82                  | 0.17                         | 0.26              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-74-00596-00002                                   | 0.31                                     | 1.76                  | 0.16                         | 0.23              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00573-00006                                   | 0.29                                     | 1.65                  | 0.17                         | 0.38              | 13              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00585-00002                                   | 0.31                                     | 1.76                  | 0.19                         | 0.43              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
| Low-E4® SmartSun™   | Full Divided Lite   | AND-N-74-00597-00002                                   | 0.30                                     | 1.70                  | 0.17                         | 0.38              | 12              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00570-00006                                   | 0.30                                     | 1.70                  | 0.38                         | 0.46              | 24              | < 0.2     | -                | NC         | -          | -     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00582-00002                                   | 0.32                                     | 1.82                  | 0.43                         | 0.52              | 24              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-74-00594-00002                                   | 0.31                                     | 1.76                  | 0.38                         | 0.46              | 23              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
| Low-E4®   | No Grilles  | AND-N-74-00601-00004                                   | 0.30                                     | 1.70                  | 0.31                         | 0.53              | 20              | < 0.2     | -                | NC         | -          | -     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00601-00005                                   | 0.30                                     | 1.70                  | 0.28                         | 0.47              | 18              | < 0.2     | -                | NC         | -          | -     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00607-00002                                   | 0.31                                     | 1.76                  | 0.28                         | 0.47              | 17              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-74-00613-00002                                   | 0.31                                     | 1.76                  | 0.28                         | 0.47              | 17              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        |   |
| Low-E4® Sun   | No Grilles  | AND-N-74-00602-00004                                   | 0.31                                     | 1.76                  | 0.19                         | 0.29              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00602-00005                                   | 0.31                                     | 1.76                  | 0.17                         | 0.26              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00608-00002                                   | 0.32                                     | 1.82                  | 0.17                         | 0.26              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-74-00614-00002                                   | 0.32                                     | 1.82                  | 0.17                         | 0.26              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
| Low-E4® SmartSun™   | No Grilles  | AND-N-74-00603-00004                                   | 0.30                                     | 1.70                  | 0.21                         | 0.48              | 14              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-74-00603-00005                                   | 0.30                                     | 1.70                  | 0.19                         | 0.42              | 13              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)  | AND-N-74-00609-00002                                   | 0.31                                     | 1.76                  | 0.19                         | 0.42              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |
|   | Full Divided Lite   | AND-N-74-00615-00002                                   | 0.31                                     | 1.76                  | 0.19                         | 0.42              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        |   |

| Andersen® Product Line & Product Type        | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series<br>Woodwright® Double-Hung Insert | Low-E4® PassiveSun®   | No Grilles   | AND-N-74-00600-00004                     | 0.31                  | 1.76                         | 0.47              | 0.58            | 28        | < 0.2            | -          | -          | -     | -                      | -      | Z1                       | - | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00600-00005                     | 0.31                  | 1.76                         | 0.42              | 0.52            | 25        | < 0.2            | -          | -          | -     | -                      | -      | Z1                       | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00606-00002                     | 0.32                  | 1.82                         | 0.42              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-74-00612-00002                     | 0.32                  | 1.82                         | 0.42              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00601-00006                     | 0.30                  | 1.70                         | 0.25              | 0.41            | 16        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-74-00619-00002                     | 0.31                  | 1.76                         | 0.25              | 0.41            | 15        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00602-00006                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-74-00620-00002                     | 0.31                  | 1.76                         | 0.16              | 0.23            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00603-00006                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-74-00621-00002                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 12        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00600-00006                     | 0.31                  | 1.76                         | 0.37              | 0.46            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -      | -                        | - | - |
|  |   | Full Divided Lite                                      | AND-N-74-00618-00002                     | 0.32                  | 1.82                         | 0.37              | 0.46            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
| 400 Series Woodwright® Double-Hung Insert (w/ Capillary Breather Tubes)            | Low-E4®                          | No Grilles   | AND-N-74-00501-00001                     | 0.33                  | 1.87                         | 0.31              | 0.53            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00501-00002                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00507-00001                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00519-00001                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-74-00502-00001                     | 0.33                  | 1.87                         | 0.20              | 0.30            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00502-00002                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00508-00001                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00520-00001                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-74-00503-00001                     | 0.33                  | 1.87                         | 0.21              | 0.48            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00503-00002                     | 0.33                  | 1.87                         | 0.19              | 0.43            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00509-00001                     | 0.33                  | 1.87                         | 0.19              | 0.43            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00521-00001                     | 0.34                  | 1.93                         | 0.19              | 0.43            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-74-00500-00001                     | 0.34                  | 1.93                         | 0.51              | 0.59            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00500-00002                     | 0.34                  | 1.93                         | 0.46              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00506-00001                     | 0.34                  | 1.93                         | 0.46              | 0.52            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00518-00001                     | 0.35                  | 1.99                         | 0.46              | 0.52            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-74-00640-00001                     | 0.28                  | 1.59                         | 0.31              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00640-00002                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00643-00001                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00649-00001                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-74-00641-00001                     | 0.28                  | 1.59                         | 0.21              | 0.47            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00641-00002                     | 0.28                  | 1.59                         | 0.19              | 0.42            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00644-00001                     | 0.28                  | 1.59                         | 0.19              | 0.42            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00650-00001                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-74-00639-00001                     | 0.29                  | 1.65                         | 0.46              | 0.57            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00639-00002                     | 0.29                  | 1.65                         | 0.41              | 0.51            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00642-00001                     | 0.29                  | 1.65                         | 0.41              | 0.51            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00648-00001                     | 0.31                  | 1.76                         | 0.41              | 0.51            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
| 400 Series Woodwright® Double-Hung Insert (w/ Capillary Breather Tubes)            | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00501-00003                     | 0.33                  | 1.87                         | 0.25              | 0.42            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00513-00001                     | 0.35                  | 1.99                         | 0.28              | 0.47            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00525-00001                     | 0.34                  | 1.93                         | 0.25              | 0.42            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00502-00003                     | 0.33                  | 1.87                         | 0.16              | 0.23            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00514-00001                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00526-00001                     | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00503-00003                     | 0.33                  | 1.87                         | 0.17              | 0.38            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00515-00001                     | 0.35                  | 1.99                         | 0.19              | 0.43            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00527-00001                     | 0.34                  | 1.93                         | 0.17              | 0.38            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00500-00003                     | 0.34                  | 1.93                         | 0.41              | 0.46            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00512-00001                     | 0.36                  | 2.04                         | 0.46              | 0.52            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00524-00001                     | 0.35                  | 1.99                         | 0.41              | 0.46            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00640-00003                     | 0.28                  | 1.59                         | 0.25              | 0.41            | 19        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00646-00001                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00652-00001                     | 0.31                  | 1.76                         | 0.25              | 0.41            | 15        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00641-00003                     | 0.28                  | 1.59                         | 0.17              | 0.37            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00647-00001                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-74-00653-00001                     | 0.30                  | 1.70                         | 0.17              | 0.37            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> |                              |                   |                 | SHgC <sup>2</sup> |            |            |       | Canada ER | Air Infiltration |        |        |        | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |  |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-------------------|------------|------------|-------|-----------|------------------|--------|--------|--------|------------------------|--------|--------------------------|--|
|   |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | Vt <sup>3</sup> | North             | N. Central | S. Central | South |           | Zone 1           | Zone 2 | Zone 3 | Zone 1 | Zone 2                 | Zone 3 |                          |  |
| 400 Series Woodwright® Double-Hung Insert (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00639-00003                     | 0.29                  | 1.65                         | 0.37              | 0.45            | 24                | < 0.2      | N          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00645-00001                     | 0.30                  | 1.70                         | 0.41              | 0.51            | 26                | < 0.2      | -          | -     | -         | -                | Z1     | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00651-00001                     | 0.31                  | 1.76                         | 0.37              | 0.45            | 22                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | 3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |                   |            |            |       |           |                  |        |        |        |                        |        |                          |  |
|   |   | No Grilles  | AND-N-74-00531-00001                     | 0.34                  | 1.93                         | 0.31              | 0.53            | 15                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00531-00002                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4®   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00537-00001                     | 0.36                  | 2.04                         | 0.28              | 0.47            | 11                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00543-00001                     | 0.35                  | 1.99                         | 0.28              | 0.47            | 12                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles  | AND-N-74-00532-00001                     | 0.35                  | 1.99                         | 0.20              | 0.29            | 7                 | < 0.2      | -          | -     | -         | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00532-00002                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00538-00001                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00544-00001                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® Sun   | No Grilles  | AND-N-74-00533-00001                     | 0.34                  | 1.93                         | 0.21              | 0.48            | 9                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00533-00002                     | 0.34                  | 1.93                         | 0.19              | 0.42            | 8                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00539-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00545-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles  | AND-N-74-00530-00001                     | 0.35                  | 1.99                         | 0.50              | 0.58            | 25                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | Z1                     | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00530-00002                     | 0.35                  | 1.99                         | 0.44              | 0.52            | 21                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00536-00001                     | 0.36                  | 2.04                         | 0.44              | 0.52            | 20                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00542-00001                     | 0.36                  | 2.04                         | 0.44              | 0.52            | 20                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles  | AND-N-74-00530-00001                     | 0.35                  | 1.99                         | 0.50              | 0.58            | 25                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | Z1                     | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00530-00002                     | 0.35                  | 1.99                         | 0.44              | 0.52            | 21                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00543-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00545-00001                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-74-00655-00001                     | 0.29                  | 1.65                         | 0.30              | 0.52            | 20                | < 0.2      | -          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00655-00002                     | 0.29                  | 1.65                         | 0.27              | 0.46            | 19                | < 0.2      | -          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00658-00001                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 18                | < 0.2      | -          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00661-00001                     | 0.32                  | 1.82                         | 0.27              | 0.46            | 15                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles  | AND-N-74-00656-00001                     | 0.29                  | 1.65                         | 0.21              | 0.46            | 15                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00656-00002                     | 0.29                  | 1.65                         | 0.19              | 0.41            | 14                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® PassiveSun® w/ Heatlock™                              | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00659-00001                     | 0.30                  | 1.70                         | 0.19              | 0.41            | 13                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00662-00001                     | 0.31                  | 1.76                         | 0.19              | 0.41            | 12                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles  | AND-N-74-00654-00001                     | 0.30                  | 1.70                         | 0.45              | 0.57            | 28                | < 0.2      | N          | -     | -         | Z1               | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00654-00002                     | 0.30                  | 1.70                         | 0.40              | 0.51            | 25                | < 0.2      | -          | NC    | -         | Z1               | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-74-00657-00001                     | 0.31                  | 1.76                         | 0.40              | 0.51            | 24                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00660-00001                     | 0.32                  | 1.82                         | 0.40              | 0.51            | 22                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | 3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |                   |            |            |       |           |                  |        |        |        |                        |        |                          |  |
| 400 Series Woodwright® Double-Hung Insert (w/ Capillary Breather Tubes) | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00531-00003                     | 0.34                  | 1.93                         | 0.25              | 0.41            | 11                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00549-00001                     | 0.35                  | 1.99                         | 0.25              | 0.41            | 10                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00532-00003                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 5                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00550-00001                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 5                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00533-00003                     | 0.34                  | 1.93                         | 0.17              | 0.37            | 7                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00551-00001                     | 0.35                  | 1.99                         | 0.17              | 0.37            | 5                 | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00530-00003                     | 0.35                  | 1.99                         | 0.39              | 0.46            | 18                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00548-00001                     | 0.36                  | 2.04                         | 0.39              | 0.46            | 17                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-74-00655-00003                     | 0.29                  | 1.65                         | 0.24              | 0.41            | 17                | < 0.2      | -          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                                      | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a               | n/a        | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite   | AND-N-74-00664-00001                     | 0.32                  | 1.82                         | 0.24              | 0.41            | 13                | < 0.2      | -          | -     | S         | -                | -      | -      | -      | -                      | -      | -                        |  |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Woodwright® Double-Hung Insert (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00656-00003                     | 0.29                  | 1.65                         | 0.17              | 0.36            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00665-00001                     | 0.31                  | 1.76                         | 0.17              | 0.36            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00654-00003                     | 0.30                  | 1.70                         | 0.36              | 0.45            | 23        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00663-00001                     | 0.32                  | 1.82                         | 0.36              | 0.45            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-74-00501-00004                     | 0.33                  | 1.87                         | 0.31              | 0.53            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00501-00005                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00507-00002                     | 0.33                  | 1.87                         | 0.28              | 0.47            | 14        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00519-00002                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-74-00502-00004                     | 0.33                  | 1.87                         | 0.20              | 0.30            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00502-00005                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00508-00002                     | 0.33                  | 1.87                         | 0.18              | 0.26            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00520-00002                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-74-00503-00004                     | 0.33                  | 1.87                         | 0.21              | 0.48            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00503-00005                     | 0.33                  | 1.87                         | 0.19              | 0.43            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00509-00002                     | 0.33                  | 1.87                         | 0.19              | 0.43            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00521-00002                     | 0.34                  | 1.93                         | 0.19              | 0.43            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-74-00500-00004                     | 0.34                  | 1.93                         | 0.48              | 0.59            | 25        | < 0.2            | -          | -          | -     | Z1                     | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00500-00005                     | 0.34                  | 1.93                         | 0.43              | 0.52            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00506-00002                     | 0.34                  | 1.93                         | 0.43              | 0.52            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00518-00002                     | 0.35                  | 1.99                         | 0.43              | 0.52            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00501-00006                     | 0.33                  | 1.87                         | 0.25              | 0.42            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00513-00002                     | 0.35                  | 1.99                         | 0.28              | 0.47            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00525-00002                     | 0.34                  | 1.93                         | 0.25              | 0.42            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00502-00006                     | 0.33                  | 1.87                         | 0.16              | 0.23            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00514-00002                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00526-00002                     | 0.34                  | 1.93                         | 0.16              | 0.23            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00503-00006                     | 0.33                  | 1.87                         | 0.17              | 0.38            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00515-00002                     | 0.35                  | 1.99                         | 0.19              | 0.43            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-74-00527-00002                     | 0.34                  | 1.93                         | 0.17              | 0.38            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00500-00006                     | 0.34                  | 1.93                         | 0.38              | 0.46            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00512-00002                     | 0.36                  | 2.04                         | 0.43              | 0.52            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00524-00002                     | 0.35                  | 1.99                         | 0.38              | 0.46            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-74-00531-00004                     | 0.34                  | 1.93                         | 0.31              | 0.53            | 15        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00531-00005                     | 0.34                  | 1.93                         | 0.28              | 0.47            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00537-00002                     | 0.36                  | 2.04                         | 0.28              | 0.47            | 11        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00543-00002                     | 0.35                  | 1.99                         | 0.28              | 0.47            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-74-00532-00004                     | 0.35                  | 1.99                         | 0.20              | 0.29            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00532-00005                     | 0.35                  | 1.99                         | 0.18              | 0.26            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00538-00002                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00544-00002                     | 0.36                  | 2.04                         | 0.18              | 0.26            | 5         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-74-00533-00004                     | 0.34                  | 1.93                         | 0.21              | 0.48            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00533-00005                     | 0.34                  | 1.93                         | 0.19              | 0.42            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00539-00002                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00545-00002                     | 0.35                  | 1.99                         | 0.19              | 0.42            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Woodwright® Double-Hung Insert (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®   | No Grilles   | AND-N-74-00530-00004                     | 0.35                  | 1.99                         | 0.47              | 0.58            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00530-00005                     | 0.35                  | 1.99                         | 0.42              | 0.52            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-74-00536-00002                     | 0.36                  | 2.04                         | 0.42              | 0.52            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00542-00002                     | 0.36                  | 2.04                         | 0.42              | 0.52            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00531-00006                     | 0.34                  | 1.93                         | 0.25              | 0.41            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00549-00002                     | 0.35                  | 1.99                         | 0.25              | 0.41            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00532-00006                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00550-00002                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00533-00006                     | 0.34                  | 1.93                         | 0.17              | 0.37            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00551-00002                     | 0.35                  | 1.99                         | 0.17              | 0.37            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-74-00530-00006                     | 0.35                  | 1.99                         | 0.37              | 0.46            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-74-00548-00002                     | 0.36                  | 2.04                         | 0.37              | 0.46            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number               | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |   |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |   |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |   |
| 400 Series Woodwright® Double-Hung Transom Insert                                  | Low-E4®   | No Grilles   | AND-N-78-00541-00001                                   | 0.29                  | 1.65                         | 0.33              | 0.56            | 23        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00541-00002                                   | 0.29                  | 1.65                         | 0.30              | 0.50            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00547-00001                                   | 0.29                  | 1.65                         | 0.30              | 0.50            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |   |
|  |   | Full Divided Lite                                      | AND-N-78-00559-00001                                   | 0.30                  | 1.70                         | 0.30              | 0.50            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |   |
|  | Low-E4® Sun   | No Grilles   | AND-N-78-00542-00001                                   | 0.29                  | 1.65                         | 0.20              | 0.31            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00542-00002                                   | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00548-00001                                   | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |   |
|  |   | Full Divided Lite                                      | AND-N-78-00560-00001                                   | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |   |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-78-00543-00001                                   | 0.28                  | 1.59                         | 0.22              | 0.51            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |    |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00543-00002                                   | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |    |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00549-00001                                   | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |    |   |
|  |   | Full Divided Lite                                      | AND-N-78-00561-00001                                   | 0.30                  | 1.70                         | 0.20              | 0.45            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |   |
|  | Low-E4® PassiveSun®   | No Grilles   | AND-N-78-00540-00001                                   | 0.30                  | 1.70                         | 0.54              | 0.62            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00540-00002                                   | 0.30                  | 1.70                         | 0.49              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00546-00001                                   | 0.30                  | 1.70                         | 0.49              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |   |
|  |   | Full Divided Lite                                      | AND-N-78-00558-00001                                   | 0.31                  | 1.76                         | 0.49              | 0.55            | 30        | < 0.2            | -          | -          | -     | -                      | Z1                       | Z2     | -  |   |
|  | Low-E4® w/ HeatLock™  | No Grilles   | AND-N-78-00711-00001                                   | 0.25                  | 1.42                         | 0.32              | 0.55            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00714-00001                                   | 0.25                  | 1.42                         | 0.29              | 0.49            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |   |
|  |   | Full Divided Lite                                      | AND-N-78-00720-00001                                   | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |   |
|  |   | No Grilles   | AND-N-78-00712-00001                                   | 0.24                  | 1.36                         | 0.21              | 0.50            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |   |
|  | Low-E4® SmartSun™ w/ HeatLock™                                | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00715-00001                                   | 0.24                  | 1.36                         | 0.19              | 0.44            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |   |
|  |   | Full Divided Lite                                      | AND-N-78-00721-00001                                   | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |   |
|  |   | No Grilles   | AND-N-78-00710-00001                                   | 0.25                  | 1.42                         | 0.49              | 0.61            | 37        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00713-00001                                   | 0.25                  | 1.42                         | 0.44              | 0.54            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |   |
|  | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater | Full Divided Lite                                      | AND-N-78-00719-00001                                   | 0.27                  | 1.53                         | 0.44              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |   |
|  |   | Low-E4®  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00541-00003  | 0.29                         | 1.65              | 0.27            | 0.45      | 19               | < 0.2      | -          | NC    | -                      | -                        | -      | -  |   |
|  |   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00553-00001  | 0.29                         | 1.65              | 0.30            | 0.50      | 21               | < 0.2      | -          | NC    | -                      | -                        | -      | -  |   |
|  |   |  | Full Divided Lite                                      | AND-N-78-00565-00001  | 0.30                         | 1.70              | 0.27            | 0.45      | 18               | < 0.2      | -          | NC    | -                      | -                        | -      | -  |   |
|  |   | Low-E4® Sun  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00542-00003  | 0.29                         | 1.65              | 0.16            | 0.25      | 13               | < 0.2      | -          | NC    | SC                     | S                        | -      | -  |   |
|  |   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00554-00001  | 0.29                         | 1.65              | 0.18            | 0.28      | 14               | < 0.2      | -          | NC    | SC                     | S                        | -      | -  |   |
|  |   |  | Full Divided Lite                                      | AND-N-78-00566-00001  | 0.30                         | 1.70              | 0.16            | 0.25      | 12               | < 0.2      | -          | NC    | SC                     | S                        | -      | -  |   |
|  |   |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00543-00003  | 0.28                         | 1.59              | 0.18            | 0.40      | 15               | < 0.2      | -          | NC    | SC                     | S                        | -      | -  |   |
|  | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00555-00001                                   | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |   |
|  |   | Full Divided Lite                                      | AND-N-78-00567-00001                                   | 0.29                  | 1.65                         | 0.18              | 0.40            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00540-00003                                   | 0.30                  | 1.70                         | 0.43              | 0.49            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      | -  |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00552-00001                                   | 0.30                  | 1.70                         | 0.49              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |   |
|  | Low-E4® PassiveSun®   | Full Divided Lite                                      | AND-N-78-00564-00001                                   | 0.31                  | 1.76                         | 0.43              | 0.49            | 26        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      | -  |   |
|  |   | Low-E4® w/ HeatLock™                                   | Simulated Divided Lite or Installed Interior Removable | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -      | -  |   |
|  |   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00717-00001  | 0.25                         | 1.42              | 0.29            | 0.49      | 25               | < 0.2      | N          | NC    | -                      | -                        | Z1     | -  | - |
|  |   |  | Full Divided Lite                                      | AND-N-78-00723-00001  | 0.27                         | 1.53              | 0.26            | 0.44      | 21               | < 0.2      | N          | NC    | -                      | -                        | Z1     | -  | - |
|  | Low-E4® SmartSun™ w/ HeatLock™                                | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -      | -  |   |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00718-00001                                   | 0.24                  | 1.36                         | 0.19              | 0.44            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |   |
|  |   | Full Divided Lite                                      | AND-N-78-00724-00001                                   | 0.26                  | 1.48                         | 0.17              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |   |
|  |   | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | Z1                     | Z2                       | Z3     |    |   |
|  | Low-E4® PassiveSun® w/ HeatLock™                              | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00716-00001                                   | 0.25                  | 1.42                         | 0.44              | 0.54            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |   |
|  |   | Full Divided Lite                                      | AND-N-78-00722-00001                                   | 0.27                  | 1.53                         | 0.40              | 0.48            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |   |

| Andersen® Product Line & Product Type  | Andersen Glass Type                                    | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|--|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Woodwright® Double-Hung Transom Insert                               | Low-E4®  | No Grilles   | AND-N-78-00571-00001                     | 0.28                  | 1.59                         | 0.32              | 0.56            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00571-00002                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00577-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  |  | Full Divided Lite                                      | AND-N-78-00589-00001                     | 0.30                  | 1.70                         | 0.29              | 0.50            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|  | Low-E4® Sun  | No Grilles   | AND-N-78-00572-00001                     | 0.29                  | 1.65                         | 0.20              | 0.31            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00572-00002                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00578-00001                     | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |  | Full Divided Lite                                      | AND-N-78-00590-00001                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  | Low-E4® SmartSun™                                      | No Grilles   | AND-N-78-00573-00001                     | 0.28                  | 1.59                         | 0.22              | 0.50            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00573-00002                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00579-00001                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |  | Full Divided Lite                                      | AND-N-78-00591-00001                     | 0.29                  | 1.65                         | 0.20              | 0.45            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  | Low-E4® PassiveSun®                                    | No Grilles   | AND-N-78-00570-00001                     | 0.29                  | 1.65                         | 0.53              | 0.62            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00570-00002                     | 0.29                  | 1.65                         | 0.47              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00576-00001                     | 0.29                  | 1.65                         | 0.47              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |  | Full Divided Lite                                      | AND-N-78-00588-00001                     | 0.30                  | 1.70                         | 0.47              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  | Low-E4® w/ Heatlock™                                   | No Grilles   | AND-N-78-00726-00001                     | 0.24                  | 1.36                         | 0.32              | 0.55            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00729-00001                     | 0.24                  | 1.36                         | 0.29              | 0.49            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |  | Full Divided Lite                                      | AND-N-78-00735-00001                     | 0.26                  | 1.48                         | 0.29              | 0.49            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |  | No Grilles   | AND-N-78-00727-00001                     | 0.24                  | 1.36                         | 0.21              | 0.49            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™                         | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00730-00001                     | 0.24                  | 1.36                         | 0.19              | 0.44            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |  | Full Divided Lite                                      | AND-N-78-00736-00001                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |  | No Grilles   | AND-N-78-00725-00001                     | 0.25                  | 1.42                         | 0.48              | 0.60            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00728-00001                     | 0.25                  | 1.42                         | 0.43              | 0.54            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  | Low-E4® PassiveSun® w/ Heatlock™                       | Full Divided Lite                                      | AND-N-78-00734-00001                     | 0.27                  | 1.53                         | 0.43              | 0.54            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
| <b>3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater</b>               |  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| Low-E4®  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00571-00003                                   | 0.28                                     | 1.59                  | 0.26                         | 0.44              | 20              | < 0.2     | -                | NC         | -          | -     | Z1                     | -                        | -  |    |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00583-00001                                   | 0.30                                     | 1.70                  | 0.29                         | 0.50              | 19              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |    |
|  | Full Divided Lite                                      | AND-N-78-00595-00001                                   | 0.30                                     | 1.70                  | 0.26                         | 0.44              | 18              | < 0.2     | -                | NC         | -          | -     | -                      | -                        | -  |    |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00572-00003                                   | 0.29                                     | 1.65                  | 0.16                         | 0.24              | 13              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |    |
| Low-E4® Sun  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00584-00001                                   | 0.31                                     | 1.76                  | 0.18                         | 0.27              | 12              | < 0.2     | -                | -          | -          | S     | -                      | -                        | -  |    |
|  | Full Divided Lite                                      | AND-N-78-00596-00001                                   | 0.30                                     | 1.70                  | 0.16                         | 0.24              | 12              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |    |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00573-00003                                   | 0.28                                     | 1.59                  | 0.18                         | 0.40              | 15              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |    |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00585-00001                                   | 0.30                                     | 1.70                  | 0.20                         | 0.45              | 14              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |    |
| Low-E4® SmartSun™  | Full Divided Lite                                      | AND-N-78-00597-00001                                   | 0.29                                     | 1.65                  | 0.18                         | 0.40              | 14              | < 0.2     | -                | NC         | SC         | S     | -                      | -                        | -  |    |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00570-00003                                   | 0.29                                     | 1.65                  | 0.42                         | 0.49              | 28              | < 0.2     | N                | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00582-00001                                   | 0.31                                     | 1.76                  | 0.47                         | 0.55              | 28              | < 0.2     | -                | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Full Divided Lite                                      | AND-N-78-00594-00001                                   | 0.30                                     | 1.70                  | 0.42                         | 0.49              | 27              | < 0.2     | N                | -          | -          | -     | Z1                     | -                        | -  |    |
| Low-E4® w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      | -                        | -  |    |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00732-00001                                   | 0.27                                     | 1.53                  | 0.29                         | 0.49              | 23              | < 0.2     | N                | NC         | -          | -     | Z1                     | -                        | -  |    |
|  | Full Divided Lite                                      | AND-N-78-00738-00001                                   | 0.26                                     | 1.48                  | 0.26                         | 0.43              | 22              | < 0.2     | N                | NC         | -          | -     | Z1                     | -                        | -  |    |
|  | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      | -                        | -  |    |
| Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00733-00001                                   | 0.27                                     | 1.53                  | 0.19                         | 0.44              | 17              | < 0.2     | N                | NC         | SC         | S     | Z1                     | -                        | -  |    |
|  | Full Divided Lite                                      | AND-N-78-00739-00001                                   | 0.26                                     | 1.48                  | 0.17                         | 0.39              | 17              | < 0.2     | N                | NC         | SC         | S     | Z1                     | -                        | -  |    |
|  | Simulated Divided Lite or Installed Interior Removable | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | -         | -                | -          | -          | -     | -                      | -                        | -  |    |
|  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00731-00001                                   | 0.28                                     | 1.59                  | 0.43                         | 0.54              | 30              | < 0.2     | N                | -          | -          | -     | Z1                     | Z2                       | -  |    |
| Low-E4® PassiveSun® w/ Heatlock™   | Full Divided Lite                                      | AND-N-78-00737-00001                                   | 0.27                                     | 1.53                  | 0.39                         | 0.48              | 29              | < 0.2     | N                | NC         | -          | -     | Z1                     | Z2                       | -  |    |

| Andersen® Product Line & Product Type  | Andersen Glass Type  | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration | U.S. ENERGY STAR v 6.0 |            |            | Canada ENERGY STAR v 4.1 |        |        |        |
|--|--|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------------------|------------|------------|--------------------------|--------|--------|--------|
|  |  |  |  |                       |                              |                   |                 |           |                  | North                  | N. Central | S. Central | South                    | Zone 1 | Zone 2 | Zone 3 |
| <b>3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1"</b> |  |  |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
| 400 Series Woodwright® Double-Hung Transom Insert  | Low-E4®  | No Grilles   | AND-N-78-00541-00004                     | 0.29                  | 1.65                         | 0.33              | 0.56            | 23        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00541-00005                     | 0.29                  | 1.65                         | 0.30              | 0.50            | 21        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00547-00002                     | 0.29                  | 1.65                         | 0.30              | 0.50            | 21        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-78-00559-00002                     | 0.30                  | 1.70                         | 0.30              | 0.50            | 20        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|  | Low-E4® Sun  | No Grilles   | AND-N-78-00542-00004                     | 0.29                  | 1.65                         | 0.20              | 0.31            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00542-00005                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00548-00002                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-78-00560-00002                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -                      | -          | -          | S                        | -      | -      | -      |
|  | Low-E4® SmartSun™  | No Grilles   | AND-N-78-00543-00004                     | 0.28                  | 1.59                         | 0.22              | 0.51            | 18        | < 0.2            | -                      | NC         | SC         | S                        | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00543-00005                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -                      | NC         | SC         | S                        | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00549-00002                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -                      | NC         | SC         | S                        | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-78-00561-00002                     | 0.30                  | 1.70                         | 0.20              | 0.45            | 14        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|  | Low-E4® PassiveSun®  | No Grilles   | AND-N-78-00540-00004                     | 0.30                  | 1.70                         | 0.51              | 0.62            | 32        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00540-00005                     | 0.30                  | 1.70                         | 0.46              | 0.55            | 29        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00546-00002                     | 0.30                  | 1.70                         | 0.46              | 0.55            | 29        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-78-00558-00002                     | 0.31                  | 1.76                         | 0.46              | 0.55            | 28        | < 0.2            | -                      | -          | -          | -                        | Z1     | -      | -      |
| <b>3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater</b>               |  |  |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
| Low-E4®  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00541-00006                                   | 0.29                                     | 1.65                  | 0.27                         | 0.45              | 19              | < 0.2     | -                | NC                     | -          | -          | -                        | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00553-00002                                   | 0.29                                     | 1.65                  | 0.30                         | 0.50              | 21              | < 0.2     | -                | NC                     | -          | -          | -                        | -      | -      |        |
|  | Full Divided Lite  | AND-N-78-00565-00002                                   | 0.30                                     | 1.70                  | 0.27                         | 0.45              | 18              | < 0.2     | -                | NC                     | -          | -          | -                        | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00542-00006                                   | 0.29                                     | 1.65                  | 0.16                         | 0.25              | 13              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
| Low-E4® Sun  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00554-00002                                   | 0.29                                     | 1.65                  | 0.18                         | 0.28              | 14              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Full Divided Lite  | AND-N-78-00566-00002                                   | 0.30                                     | 1.70                  | 0.16                         | 0.25              | 12              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00543-00006                                   | 0.28                                     | 1.59                  | 0.18                         | 0.40              | 15              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00555-00002                                   | 0.28                                     | 1.59                  | 0.20                         | 0.45              | 17              | < 0.2     | -                | NC                     | SC         | S          | Z1                       | -      | -      |        |
| Low-E4® SmartSun™  | Full Divided Lite  | AND-N-78-00567-00002                                   | 0.29                                     | 1.65                  | 0.18                         | 0.40              | 14              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00540-00006                                   | 0.30                                     | 1.70                  | 0.41                         | 0.49              | 26              | < 0.2     | -                | -                      | -          | -          | Z1                       | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00552-00002                                   | 0.30                                     | 1.70                  | 0.46                         | 0.55              | 29              | < 0.2     | N                | -                      | -          | -          | Z1                       | Z2     | -      |        |
|  | Full Divided Lite  | AND-N-78-00564-00002                                   | 0.31                                     | 1.76                  | 0.41                         | 0.49              | 25              | < 0.2     | -                | -                      | -          | -          | Z1                       | -      | -      |        |
|  | <b>3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1"</b> |  |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
| Low-E4®  | No Grilles   | AND-N-78-00571-00004                                   | 0.28                                     | 1.59                  | 0.32                         | 0.56              | 23              | < 0.2     | N                | NC                     | -          | -          | Z1                       | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00571-00005                                   | 0.28                                     | 1.59                  | 0.29                         | 0.50              | 22              | < 0.2     | -                | NC                     | -          | -          | Z1                       | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00577-00002                                   | 0.28                                     | 1.59                  | 0.29                         | 0.50              | 22              | < 0.2     | -                | NC                     | -          | -          | Z1                       | -      | -      |        |
|  | Full Divided Lite  | AND-N-78-00589-00002                                   | 0.30                                     | 1.70                  | 0.29                         | 0.50              | 19              | < 0.2     | -                | NC                     | -          | -          | -                        | -      | -      |        |
| Low-E4® Sun  | No Grilles   | AND-N-78-00572-00004                                   | 0.29                                     | 1.65                  | 0.20                         | 0.31              | 15              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00572-00005                                   | 0.29                                     | 1.65                  | 0.18                         | 0.27              | 14              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00578-00002                                   | 0.29                                     | 1.65                  | 0.18                         | 0.27              | 14              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
|  | Full Divided Lite  | AND-N-78-00590-00002                                   | 0.30                                     | 1.70                  | 0.18                         | 0.27              | 13              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
| Low-E4® SmartSun™  | No Grilles   | AND-N-78-00573-00004                                   | 0.28                                     | 1.59                  | 0.22                         | 0.50              | 18              | < 0.2     | -                | NC                     | SC         | S          | Z1                       | -      | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00573-00005                                   | 0.28                                     | 1.59                  | 0.20                         | 0.45              | 17              | < 0.2     | -                | NC                     | SC         | S          | Z1                       | -      | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00579-00002                                   | 0.28                                     | 1.59                  | 0.20                         | 0.45              | 17              | < 0.2     | -                | NC                     | SC         | S          | Z1                       | -      | -      |        |
|  | Full Divided Lite  | AND-N-78-00591-00002                                   | 0.29                                     | 1.65                  | 0.20                         | 0.45              | 15              | < 0.2     | -                | NC                     | SC         | S          | -                        | -      | -      |        |
| Low-E4® PassiveSun®  | No Grilles   | AND-N-78-00570-00004                                   | 0.29                                     | 1.65                  | 0.50                         | 0.62              | 33              | < 0.2     | N                | -                      | -          | -          | Z1                       | Z2     | -      |        |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00570-00005                                   | 0.29                                     | 1.65                  | 0.45                         | 0.55              | 30              | < 0.2     | N                | -                      | -          | -          | Z1                       | Z2     | -      |        |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00576-00002                                   | 0.29                                     | 1.65                  | 0.45                         | 0.55              | 30              | < 0.2     | N                | -                      | -          | -          | Z1                       | Z2     | -      |        |
|  | Full Divided Lite  | AND-N-78-00588-00002                                   | 0.30                                     | 1.70                  | 0.45                         | 0.55              | 29              | < 0.2     | N                | -                      | -          | -          | Z1                       | Z2     | -      |        |

| Andersen®<br>Product Line &<br>Product Type                                  | Andersen<br>Glass<br>Type | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S.<br>ENERGY<br>STAR<br>v 6.0 |        | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |   |
|--|---------------------------|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|---------------------------------|--------|-----------------------------------|--------|---|
|  |                           |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South                           | Zone 1 | Zone 2                            | Zone 3 |   |
| <b>3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater</b> |                           |  |  |                       |                                 |                   |                 |           |                  |            |            |                                 |        |                                   |        |   |
| 400 Series<br>Woodwright®<br>Double-Hung<br>Transom Insert                   | Low-E4®                   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00571-00006                           | 0.28                  | 1.59                            | 0.26              | 0.44            | 20        | < 0.2            | -          | NC         | -                               | -      | Z1                                | -      | - |
|  |                           | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00583-00002                           | 0.30                  | 1.70                            | 0.29              | 0.50            | 19        | < 0.2            | -          | NC         | -                               | -      | -                                 | -      | - |
|  |                           | Full Divided Lite                                      | AND-N-78-00595-00002                           | 0.30                  | 1.70                            | 0.26              | 0.44            | 18        | < 0.2            | -          | NC         | -                               | -      | -                                 | -      | - |
|  | Low-E4®<br>Sun            | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00572-00006                           | 0.29                  | 1.65                            | 0.16              | 0.24            | 13        | < 0.2            | -          | NC         | SC                              | S      | -                                 | -      | - |
|  |                           | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00584-00002                           | 0.31                  | 1.76                            | 0.18              | 0.27            | 12        | < 0.2            | -          | -          | -                               | S      | -                                 | -      | - |
|  |                           | Full Divided Lite                                      | AND-N-78-00596-00002                           | 0.30                  | 1.70                            | 0.16              | 0.24            | 12        | < 0.2            | -          | NC         | SC                              | S      | -                                 | -      | - |
|  | Low-E4®<br>SmartSun™      | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00573-00006                           | 0.28                  | 1.59                            | 0.18              | 0.40            | 15        | < 0.2            | -          | NC         | SC                              | S      | -                                 | -      | - |
|  |                           | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00585-00002                           | 0.30                  | 1.70                            | 0.20              | 0.45            | 14        | < 0.2            | -          | NC         | SC                              | S      | -                                 | -      | - |
|  |                           | Full Divided Lite                                      | AND-N-78-00597-00002                           | 0.29                  | 1.65                            | 0.18              | 0.40            | 14        | < 0.2            | -          | NC         | SC                              | S      | -                                 | -      | - |
|  | Low-E4®<br>PassiveSun®    | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00570-00006                           | 0.29                  | 1.65                            | 0.40              | 0.49            | 27        | < 0.2            | N          | NC         | -                               | -      | Z1                                | -      | - |
|  |                           | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00582-00002                           | 0.31                  | 1.76                            | 0.45              | 0.55            | 27        | < 0.2            | -          | -          | -                               | -      | Z1                                | -      | - |
|  |                           | Full Divided Lite                                      | AND-N-78-00594-00002                           | 0.30                  | 1.70                            | 0.40              | 0.49            | 26        | < 0.2            | -          | NC         | -                               | -      | Z1                                | -      | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |   |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Woodwright® Double-Hung Transom Insert (w/ Capillary Breather Tubes)    | Low-E4®   | No Grilles  | AND-N-78-00427-00001                     | 0.32                  | 1.82                         | 0.33              | 0.56            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00427-00002                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00433-00001                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00445-00001                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  | Low-E4® Sun   | No Grilles  | AND-N-78-00428-00001                     | 0.33                  | 1.87                         | 0.21              | 0.31            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00428-00002                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00434-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00446-00001                     | 0.34                  | 1.93                         | 0.19              | 0.28            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  | Low-E4® SmartSun™   | No Grilles  | AND-N-78-00429-00001                     | 0.32                  | 1.82                         | 0.22              | 0.51            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00429-00002                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00435-00001                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00447-00001                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  | Low-E4® PassiveSun®   | No Grilles  | AND-N-78-00426-00001                     | 0.33                  | 1.87                         | 0.54              | 0.62            | 30        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00426-00002                     | 0.33                  | 1.87                         | 0.49              | 0.55            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00432-00001                     | 0.33                  | 1.87                         | 0.49              | 0.55            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00444-00001                     | 0.35                  | 1.99                         | 0.49              | 0.55            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-78-00654-00001                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00657-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00663-00001                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |    |
|  |   | No Grilles  | AND-N-78-00655-00001                     | 0.27                  | 1.53                         | 0.22              | 0.50            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |    |
|  | Low-E4® SmartSun™ w/ Heatlock™                                | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00658-00001                     | 0.27                  | 1.53                         | 0.20              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00664-00001                     | 0.29                  | 1.65                         | 0.20              | 0.44            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |    |
|  |   | No Grilles  | AND-N-78-00653-00001                     | 0.27                  | 1.53                         | 0.49              | 0.61            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00656-00001                     | 0.27                  | 1.53                         | 0.44              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater | Full Divided Lite   | AND-N-78-00662-00001                     | 0.30                  | 1.70                         | 0.44              | 0.54            | 28        | < 0.2            | N          | -          | -     | -                      | Z1                       | -      | -  |
|  |   | <b>Simulated Divided Lite or Installed Interior Removable</b> |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00427-00003                     | 0.32                  | 1.82                         | 0.27              | 0.45            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00439-00001                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00451-00001                     | 0.34                  | 1.93                         | 0.27              | 0.45            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00428-00003                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00440-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00452-00001                     | 0.34                  | 1.93                         | 0.17              | 0.25            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00429-00003                     | 0.32                  | 1.82                         | 0.18              | 0.40            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00441-00001                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Full Divided Lite   | AND-N-78-00453-00001                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | AND-N-78-00426-00003                     | 0.33                  | 1.87                         | 0.43              | 0.49            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00438-00001                     | 0.33                  | 1.87                         | 0.49              | 0.55            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -      |    |
|  | Low-E4® PassiveSun™ w/ Heatlock™                              | Full Divided Lite   | AND-N-78-00450-00001                     | 0.34                  | 1.93                         | 0.43              | 0.49            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00660-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |   | Full Divided Lite   | AND-N-78-00666-00001                     | 0.29                  | 1.65                         | 0.26              | 0.44            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™                                | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -      |    |
|  |   | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00661-00001                     | 0.27                  | 1.53                         | 0.20              | 0.44            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |   | Full Divided Lite   | AND-N-78-00667-00001                     | 0.29                  | 1.65                         | 0.18              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |   | Simulated Divided Lite or Installed Interior Removable        | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -      |    |
|  | Low-E4® PassiveSun™ w/ Heatlock™                              | Finelight™ (grilles-between-the-glass)                        | AND-N-78-00659-00001                     | 0.27                  | 1.53                         | 0.44              | 0.54            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |   | Full Divided Lite   | AND-N-78-00665-00001                     | 0.30                  | 1.70                         | 0.39              | 0.48            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |

| Andersen® Product Line & Product Type   | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.9 Annealed or 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>          |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Woodwright® Double-Hung<br>Transom Insert (w/<br>Capillary Breather<br>Tubes) | Low-E4®                          | No Grilles   | AND-N-78-00457-00001                     | 0.32                  | 1.82                         | 0.33              | 0.56            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00457-00002                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00463-00001                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00475-00001                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® Sun                      | No Grilles   | AND-N-78-00458-00001                     | 0.32                  | 1.82                         | 0.20              | 0.31            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00458-00002                     | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00464-00001                     | 0.32                  | 1.82                         | 0.18              | 0.27            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00476-00001                     | 0.34                  | 1.93                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-78-00459-00001                     | 0.31                  | 1.76                         | 0.22              | 0.50            | 14        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00459-00002                     | 0.31                  | 1.76                         | 0.20              | 0.45            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00465-00001                     | 0.31                  | 1.76                         | 0.20              | 0.45            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00477-00001                     | 0.33                  | 1.87                         | 0.20              | 0.45            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-78-00456-00001                     | 0.33                  | 1.87                         | 0.53              | 0.62            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00456-00002                     | 0.33                  | 1.87                         | 0.47              | 0.55            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00462-00001                     | 0.33                  | 1.87                         | 0.47              | 0.55            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00474-00001                     | 0.34                  | 1.93                         | 0.47              | 0.55            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-78-00669-00001                     | 0.27                  | 1.53                         | 0.32              | 0.55            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00672-00001                     | 0.27                  | 1.53                         | 0.29              | 0.49            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00678-00001                     | 0.29                  | 1.65                         | 0.29              | 0.49            | 20        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|   |                                  | No Grilles   | AND-N-78-00670-00001                     | 0.26                  | 1.48                         | 0.22              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00673-00001                     | 0.26                  | 1.48                         | 0.20              | 0.44            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00679-00001                     | 0.29                  | 1.65                         | 0.20              | 0.44            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|   |                                  | No Grilles   | AND-N-78-00668-00001                     | 0.27                  | 1.53                         | 0.48              | 0.60            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00671-00001                     | 0.27                  | 1.53                         | 0.43              | 0.54            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|   | Low-E4® PassiveSun® w/ Heatlock™ | Full Divided Lite                                      | AND-N-78-00677-00001                     | 0.30                  | 1.70                         | 0.43              | 0.54            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  | -  |
| <b>3.9 Annealed or 3.9 Tempered Glass - w/ Grilles 1" or Greater</b>                        |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series<br>Woodwright® Double-Hung<br>Transom Insert (w/<br>Capillary Breather<br>Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00457-00003                     | 0.32                  | 1.82                         | 0.26              | 0.44            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00469-00001                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00481-00001                     | 0.33                  | 1.87                         | 0.26              | 0.44            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00458-00003                     | 0.32                  | 1.82                         | 0.17              | 0.24            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00470-00001                     | 0.34                  | 1.93                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00482-00001                     | 0.33                  | 1.87                         | 0.17              | 0.24            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00459-00003                     | 0.31                  | 1.76                         | 0.18              | 0.40            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00471-00001                     | 0.33                  | 1.87                         | 0.20              | 0.45            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-78-00483-00001                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00460-00003                     | 0.33                  | 1.87                         | 0.42              | 0.49            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00468-00001                     | 0.34                  | 1.93                         | 0.47              | 0.55            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|   |                                  | Full Divided Lite                                      | AND-N-78-00480-00001                     | 0.34                  | 1.93                         | 0.42              | 0.49            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -  |    |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00675-00001                     | 0.30                  | 1.70                         | 0.29              | 0.49            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|   |                                  | Full Divided Lite                                      | AND-N-78-00681-00001                     | 0.29                  | 1.65                         | 0.26              | 0.43            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | -                        | -  |    |
|   | Low-E4® Smartsun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00676-00001                     | 0.30                  | 1.70                         | 0.20              | 0.44            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Full Divided Lite                                      | AND-N-78-00682-00001                     | 0.29                  | 1.65                         | 0.18              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | n/a              | -          | -          | -     | -                      | Z1                       | -  | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00674-00001                     | 0.30                  | 1.70                         | 0.43              | 0.54            | 27        | < 0.2            | N          | -          | -     | -                      | Z1                       | -  | -  |
|   | Low-E4® PassiveSun® w/ Heatlock™ | Full Divided Lite                                      | AND-N-78-00680-00001                     | 0.30                  | 1.70                         | 0.38              | 0.48            | 25        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type  | Andersen Glass Type  | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|--|--|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|  |  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| <b>3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1"</b> |  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| 400 Series Woodwright® Double-Hung Transom Insert (w/ Capillary Breather Tubes)            | Low-E4®  | No Grilles   | AND-N-78-00427-00004                     | 0.32                  | 1.82                         | 0.33              | 0.56            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00427-00005                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00433-00002                     | 0.32                  | 1.82                         | 0.30              | 0.50            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |  | Full Divided Lite                                      | AND-N-78-00445-00002                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun  | No Grilles   | AND-N-78-00428-00004                     | 0.33                  | 1.87                         | 0.21              | 0.31            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00428-00005                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00434-00002                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |  | Full Divided Lite                                      | AND-N-78-00446-00002                     | 0.34                  | 1.93                         | 0.19              | 0.28            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  | Low-E4® SmartSun™  | No Grilles   | AND-N-78-00429-00004                     | 0.32                  | 1.82                         | 0.22              | 0.51            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00429-00005                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00435-00002                     | 0.32                  | 1.82                         | 0.20              | 0.45            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  |  | Full Divided Lite                                      | AND-N-78-00447-00002                     | 0.34                  | 1.93                         | 0.20              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | - |
|  | Low-E4® PassiveSun®  | No Grilles   | AND-N-78-00426-00004                     | 0.33                  | 1.87                         | 0.51              | 0.62            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00426-00005                     | 0.33                  | 1.87                         | 0.46              | 0.55            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00432-00002                     | 0.33                  | 1.87                         | 0.46              | 0.55            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | - |
|  |  | Full Divided Lite                                      | AND-N-78-00444-00002                     | 0.35                  | 1.99                         | 0.46              | 0.55            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | - |
| <b>3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater</b>               |  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| Low-E4®  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00427-00006                                   | 0.32                                     | 1.82                  | 0.27                         | 0.45              | 16              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00439-00002                                   | 0.32                                     | 1.82                  | 0.30                         | 0.50              | 17              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00451-00002                                   | 0.34                                     | 1.93                  | 0.27                         | 0.45              | 13              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00428-00006                                   | 0.33                                     | 1.87                  | 0.17                         | 0.25              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
| Low-E4® SmartSun™  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00440-00002                                   | 0.33                                     | 1.87                  | 0.19                         | 0.28              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00452-00002                                   | 0.34                                     | 1.93                  | 0.17                         | 0.25              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00429-00006                                   | 0.32                                     | 1.82                  | 0.18                         | 0.40              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00441-00002                                   | 0.32                                     | 1.82                  | 0.20                         | 0.45              | 11              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
| Low-E4® PassiveSun®  | Full Divided Lite  | AND-N-78-00453-00002                                   | 0.33                                     | 1.87                  | 0.18                         | 0.40              | 9               | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00426-00006                                   | 0.33                                     | 1.87                  | 0.41                         | 0.49              | 23              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00438-00002                                   | 0.33                                     | 1.87                  | 0.46                         | 0.55              | 25              | < 0.2     | -                | -          | -          | Z1    | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00450-00002                                   | 0.34                                     | 1.93                  | 0.41                         | 0.49              | 21              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | <b>3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1"</b> |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| Low-E4®  | No Grilles   | AND-N-78-00457-00004                                   | 0.32                                     | 1.82                  | 0.33                         | 0.56              | 19              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00457-00005                                   | 0.32                                     | 1.82                  | 0.30                         | 0.50              | 17              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00463-00002                                   | 0.32                                     | 1.82                  | 0.30                         | 0.50              | 17              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00475-00002                                   | 0.34                                     | 1.93                  | 0.30                         | 0.50              | 15              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® Sun  | No Grilles   | AND-N-78-00458-00004                                   | 0.32                                     | 1.82                  | 0.20                         | 0.31              | 11              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00458-00005                                   | 0.32                                     | 1.82                  | 0.18                         | 0.27              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00464-00002                                   | 0.32                                     | 1.82                  | 0.18                         | 0.27              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00476-00002                                   | 0.34                                     | 1.93                  | 0.18                         | 0.27              | 8               | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
| Low-E4® SmartSun™  | No Grilles   | AND-N-78-00459-00004                                   | 0.31                                     | 1.76                  | 0.22                         | 0.50              | 14              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00459-00005                                   | 0.31                                     | 1.76                  | 0.20                         | 0.45              | 13              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00465-00002                                   | 0.31                                     | 1.76                  | 0.20                         | 0.45              | 13              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00477-00002                                   | 0.33                                     | 1.87                  | 0.20                         | 0.45              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -                        |   |
| Low-E4® PassiveSun®  | No Grilles   | AND-N-78-00456-00004                                   | 0.33                                     | 1.87                  | 0.50                         | 0.62              | 28              | < 0.2     | -                | -          | -          | Z1    | -                      | -                        |   |
|  | Simulated Divided Lite or Installed Interior Removable                                     | AND-N-78-00456-00005                                   | 0.33                                     | 1.87                  | 0.45                         | 0.55              | 25              | < 0.2     | -                | -          | -          | Z1    | -                      | -                        |   |
|  | Finelight™ (grilles-between-the-glass)   | AND-N-78-00462-00002                                   | 0.33                                     | 1.87                  | 0.45                         | 0.55              | 25              | < 0.2     | -                | -          | -          | Z1    | -                      | -                        |   |
|  | Full Divided Lite  | AND-N-78-00474-00002                                   | 0.34                                     | 1.93                  | 0.45                         | 0.55              | 24              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |

| Andersen® Product Line & Product Type   | Andersen Glass Type | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|---|
|   |                     |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  |                          |   |
| <b>3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater</b>                |                     |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |   |
| 400 Series<br>Woodwright® Double-Hung<br>Transom Insert (w/<br>Capillary Breather<br>Tubes) | Low-E4®             | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00457-00006                     | 0.32                  | 1.82                         | 0.26              | 0.44            | 15        | < 0.2            | -          | -          | -                      | -                        | - |
|   |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00469-00002                     | 0.34                  | 1.93                         | 0.30              | 0.50            | 15        | < 0.2            | -          | -          | -                      | -                        | - |
|   |                     | Full Divided Lite                                      | AND-N-78-00481-00002                     | 0.33                  | 1.87                         | 0.26              | 0.44            | 14        | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® Sun         | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00458-00006                     | 0.32                  | 1.82                         | 0.17              | 0.24            | 10        | < 0.2            | -          | -          | -                      | S                        | - |
|   |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00470-00002                     | 0.34                  | 1.93                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -                      | S                        | - |
|   |                     | Full Divided Lite                                      | AND-N-78-00482-00002                     | 0.33                  | 1.87                         | 0.17              | 0.24            | 9         | < 0.2            | -          | -          | -                      | S                        | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00459-00006                     | 0.31                  | 1.76                         | 0.18              | 0.40            | 12        | < 0.2            | -          | -          | -                      | S                        | - |
|   |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00471-00002                     | 0.33                  | 1.87                         | 0.20              | 0.45            | 10        | < 0.2            | -          | -          | -                      | S                        | - |
|   |                     | Full Divided Lite                                      | AND-N-78-00483-00002                     | 0.33                  | 1.87                         | 0.18              | 0.40            | 9         | < 0.2            | -          | -          | -                      | S                        | - |
|   | Low-E4® PassiveSun® | Simulated Divided Lite or Installed Interior Removable | AND-N-78-00456-00006                     | 0.33                  | 1.87                         | 0.40              | 0.49            | 22        | < 0.2            | -          | -          | -                      | -                        | - |
|   |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-78-00468-00002                     | 0.34                  | 1.93                         | 0.45              | 0.55            | 24        | < 0.2            | -          | -          | -                      | -                        | - |
|   |                     | Full Divided Lite                                      | AND-N-78-00480-00002                     | 0.34                  | 1.93                         | 0.40              | 0.49            | 21        | < 0.2            | -          | -          | -                      | -                        | - |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Gliding   | Low-E4®                          | No Grilles   | AND-N-19-00855-00001                     | 0.30                  | 1.70                         | 0.29              | 0.50            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00855-00002                     | 0.30                  | 1.70                         | 0.26              | 0.44            | 17        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00861-00001                     | 0.30                  | 1.70                         | 0.26              | 0.44            | 17        | < 0.2            | -          | NC         | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00873-00001                     | 0.31                  | 1.76                         | 0.26              | 0.44            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-19-00856-00001                     | 0.30                  | 1.70                         | 0.18              | 0.27            | 12        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00856-00002                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00862-00001                     | 0.30                  | 1.70                         | 0.16              | 0.24            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00874-00001                     | 0.31                  | 1.76                         | 0.16              | 0.24            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-19-00857-00001                     | 0.29                  | 1.65                         | 0.19              | 0.45            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00857-00002                     | 0.29                  | 1.65                         | 0.17              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00863-00001                     | 0.29                  | 1.65                         | 0.17              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00875-00001                     | 0.31                  | 1.76                         | 0.17              | 0.39            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-19-00854-00001                     | 0.31                  | 1.76                         | 0.48              | 0.55            | 28        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00854-00002                     | 0.31                  | 1.76                         | 0.43              | 0.48            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00860-00001                     | 0.31                  | 1.76                         | 0.43              | 0.48            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00872-00001                     | 0.32                  | 1.82                         | 0.43              | 0.48            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-19-01000-00001                     | 0.26                  | 1.48                         | 0.28              | 0.48            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-01000-00002                     | 0.26                  | 1.48                         | 0.25              | 0.43            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-01003-00001                     | 0.26                  | 1.48                         | 0.25              | 0.43            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-01009-00001                     | 0.28                  | 1.59                         | 0.25              | 0.43            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-19-01001-00001                     | 0.26                  | 1.48                         | 0.19              | 0.44            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-01001-00002                     | 0.26                  | 1.48                         | 0.17              | 0.39            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-01004-00001                     | 0.26                  | 1.48                         | 0.17              | 0.39            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-01010-00001                     | 0.28                  | 1.59                         | 0.17              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-19-00999-00001                     | 0.27                  | 1.53                         | 0.44              | 0.53            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00999-00002                     | 0.27                  | 1.53                         | 0.39              | 0.47            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-01002-00001                     | 0.27                  | 1.53                         | 0.39              | 0.47            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-01008-00001                     | 0.29                  | 1.65                         | 0.39              | 0.47            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Gliding   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00855-00003                     | 0.30                  | 1.70                         | 0.23              | 0.38            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00867-00001                     | 0.31                  | 1.76                         | 0.26              | 0.44            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00879-00001                     | 0.31                  | 1.76                         | 0.23              | 0.38            | 14        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00856-00003                     | 0.30                  | 1.70                         | 0.14              | 0.21            | 10        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00868-00001                     | 0.31                  | 1.76                         | 0.16              | 0.24            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00880-00001                     | 0.31                  | 1.76                         | 0.14              | 0.21            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00857-00003                     | 0.29                  | 1.65                         | 0.15              | 0.35            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00869-00001                     | 0.31                  | 1.76                         | 0.17              | 0.39            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-19-00881-00001                     | 0.30                  | 1.70                         | 0.15              | 0.35            | 10        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00854-00003                     | 0.31                  | 1.76                         | 0.38              | 0.42            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00866-00001                     | 0.32                  | 1.82                         | 0.43              | 0.48            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00878-00001                     | 0.31                  | 1.76                         | 0.38              | 0.42            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-19-01000-00003                     | 0.26                  | 1.48                         | 0.23              | 0.38            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-01006-00001                     | 0.27                  | 1.53                         | 0.25              | 0.43            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-01012-00001                     | 0.28                  | 1.59                         | 0.23              | 0.38            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-01001-00003                     | 0.26                  | 1.48                         | 0.15              | 0.34            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-01007-00001                     | 0.27                  | 1.53                         | 0.17              | 0.39            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-01013-00001                     | 0.28                  | 1.59                         | 0.15              | 0.34            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U.S. ENERGY STAR v 6.0 |                              |                   |                 | Canada ENERGY STAR v 4.1 |                  |       |            |            |       |       |
|---------------------------------------|---|---|--|------------------------|------------------------------|-------------------|-----------------|--------------------------|------------------|-------|------------|------------|-------|-------|
|                                       |   |   |  | U-Factor <sup>1</sup>  | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER                | Air Infiltration | North | N. Central | S. Central | South |       |
| 400 Series Gliding                    | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00999-00003                     | 0.27                   | 1.53                         | 0.34              | 0.41            | 25                       | < 0.2            | N     | NC         | -          | -     | Z1    |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-01005-00001                     | 0.28                   | 1.59                         | 0.39              | 0.47            | 27                       | < 0.2            | N     | NC         | -          | -     | Z1    |
|                                       |   | Full Divided Lite   | AND-N-19-01011-00001                     | 0.29                   | 1.65                         | 0.34              | 0.41            | 22                       | < 0.2            | -     | NC         | -          | -     | -     |
|                                       |   | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                        |                              |                   |                 |                          |                  |       |            |            |       |       |
|                                       | Low-E4®   | No Grilles  | AND-N-19-00885-00001                     | 0.30                   | 1.70                         | 0.29              | 0.49            | 18                       | < 0.2            | -     | NC         | -          | -     | -     |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00885-00002                     | 0.30                   | 1.70                         | 0.26              | 0.43            | 17                       | < 0.2            | -     | NC         | -          | -     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00891-00001                     | 0.30                   | 1.70                         | 0.26              | 0.43            | 17                       | < 0.2            | -     | NC         | -          | -     | -     |
|                                       |   | Full Divided Lite   | AND-N-19-00903-00001                     | 0.31                   | 1.76                         | 0.26              | 0.43            | 15                       | < 0.2            | -     | -          | -          | -     | -     |
|                                       | Low-E4® Sun   | No Grilles  | AND-N-19-00886-00001                     | 0.30                   | 1.70                         | 0.18              | 0.27            | 12                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00886-00002                     | 0.30                   | 1.70                         | 0.16              | 0.24            | 11                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00892-00001                     | 0.30                   | 1.70                         | 0.16              | 0.24            | 11                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Full Divided Lite   | AND-N-19-00904-00001                     | 0.31                   | 1.76                         | 0.16              | 0.24            | 10                       | < 0.2            | -     | -          | -          | S     | -     |
|                                       | Low-E4® SmartSun™   | No Grilles  | AND-N-19-00887-00001                     | 0.29                   | 1.65                         | 0.19              | 0.44            | 14                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00887-00002                     | 0.29                   | 1.65                         | 0.17              | 0.39            | 13                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00887-00004                     | 0.29                   | 1.65                         | 0.17              | 0.39            | 13                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00893-00001                     | 0.29                   | 1.65                         | 0.17              | 0.39            | 13                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       | Low-E4® PassiveSun®   | Full Divided Lite   | AND-N-19-00905-00001                     | 0.30                   | 1.70                         | 0.17              | 0.39            | 11                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | No Grilles  | AND-N-19-00884-00001                     | 0.30                   | 1.70                         | 0.47              | 0.54            | 29                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00884-00002                     | 0.30                   | 1.70                         | 0.42              | 0.48            | 26                       | < 0.2            | N     | -          | -          | -     | Z1    |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00890-00001                     | 0.30                   | 1.70                         | 0.42              | 0.48            | 26                       | < 0.2            | N     | -          | -          | -     | Z1    |
|                                       | Low-E4® w/ Heatlock™  | Full Divided Lite   | AND-N-19-00902-00001                     | 0.31                   | 1.76                         | 0.42              | 0.48            | 25                       | < 0.2            | -     | -          | -          | -     | Z1    |
|                                       |   | No Grilles  | AND-N-19-01015-00001                     | 0.26                   | 1.48                         | 0.28              | 0.48            | 23                       | < 0.2            | N     | NC         | -          | -     | Z1    |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-01015-00002                     | 0.26                   | 1.48                         | 0.25              | 0.42            | 21                       | < 0.2            | N     | NC         | SC         | S     | Z1    |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-01018-00001                     | 0.26                   | 1.48                         | 0.25              | 0.42            | 21                       | < 0.2            | N     | NC         | SC         | S     | Z1    |
|                                       | Low-E4® SmartSun™ w/ Heatlock™                                | Full Divided Lite   | AND-N-19-01024-00001                     | 0.28                   | 1.59                         | 0.25              | 0.42            | 18                       | < 0.2            | -     | NC         | SC         | S     | Z1    |
|                                       |   | No Grilles  | AND-N-19-01016-00001                     | 0.26                   | 1.48                         | 0.19              | 0.43            | 17                       | < 0.2            | N     | NC         | SC         | S     | Z1    |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-01016-00002                     | 0.26                   | 1.48                         | 0.17              | 0.38            | 16                       | < 0.2            | N     | NC         | SC         | S     | Z1    |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-01019-00001                     | 0.26                   | 1.48                         | 0.17              | 0.38            | 16                       | < 0.2            | N     | NC         | SC         | S     | Z1    |
|                                       | Low-E4® PassiveSun® w/ Heatlock™                              | Full Divided Lite   | AND-N-19-01025-00001                     | 0.28                   | 1.59                         | 0.17              | 0.38            | 14                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | No Grilles  | AND-N-19-01014-00001                     | 0.27                   | 1.53                         | 0.43              | 0.53            | 30                       | < 0.2            | N     | -          | -          | -     | Z1 Z2 |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-01014-00002                     | 0.27                   | 1.53                         | 0.38              | 0.47            | 27                       | < 0.2            | N     | NC         | -          | -     | Z1    |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-01017-00001                     | 0.27                   | 1.53                         | 0.38              | 0.47            | 27                       | < 0.2            | N     | NC         | -          | -     | Z1    |
|                                       | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater | Full Divided Lite   | AND-N-19-01023-00001                     | 0.29                   | 1.65                         | 0.38              | 0.47            | 25                       | < 0.2            | N     | NC         | -          | -     | Z1    |
|                                       |   | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater               |  |                        |                              |                   |                 |                          |                  |       |            |            |       |       |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00885-00003                     | 0.30                   | 1.70                         | 0.23              | 0.38            | 15                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00897-00001                     | 0.31                   | 1.76                         | 0.26              | 0.43            | 15                       | < 0.2            | -     | -          | -          | -     | -     |
|                                       |   | Full Divided Lite   | AND-N-19-00909-00001                     | 0.31                   | 1.76                         | 0.23              | 0.38            | 14                       | < 0.2            | -     | -          | -          | S     | -     |
|                                       | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00886-00003                     | 0.30                   | 1.70                         | 0.14              | 0.21            | 10                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00898-00001                     | 0.32                   | 1.82                         | 0.16              | 0.24            | 8                        | < 0.2            | -     | -          | -          | S     | -     |
|                                       |   | Full Divided Lite   | AND-N-19-00910-00001                     | 0.31                   | 1.76                         | 0.14              | 0.21            | 8                        | < 0.2            | -     | -          | -          | S     | -     |
|                                       | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00887-00003                     | 0.29                   | 1.65                         | 0.15              | 0.34            | 11                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00887-00005                     | 0.29                   | 1.65                         | 0.15              | 0.34            | 11                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00899-00001                     | 0.31                   | 1.76                         | 0.17              | 0.39            | 10                       | < 0.2            | -     | -          | -          | S     | -     |
|                                       |   | Full Divided Lite   | AND-N-19-00911-00001                     | 0.30                   | 1.70                         | 0.15              | 0.34            | 10                       | < 0.2            | -     | NC         | SC         | S     | -     |
|                                       | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00884-00003                     | 0.30                   | 1.70                         | 0.37              | 0.42            | 23                       | < 0.2            | -     | NC         | -          | -     | -     |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00896-00001                     | 0.32                   | 1.82                         | 0.42              | 0.48            | 23                       | < 0.2            | -     | -          | -          | -     | -     |
|                                       |   | Full Divided Lite   | AND-N-19-00908-00001                     | 0.31                   | 1.76                         | 0.37              | 0.42            | 22                       | < 0.2            | -     | -          | -          | -     | -     |

| Andersen® Product Line & Product Type | Andersen Glass Type            | Grille Type   | NFRC Certified Products Directory Number |       |            |            |       | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |  |
|---------------------------------------|--------------------------------|---|--|-------|------------|------------|-------|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|--|
|                                       |                                |   |  | North | N. Central | S. Central | South |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |  |
| 400 Series Gliding                    | Low-E4® Low-E4® w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-01015-00003                     | 0.26  | 1.48       | 0.22       | 0.37  | 19                    | < 0.2                        | N                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-01021-00001                     | 0.28  | 1.59       | 0.25       | 0.42  | 18                    | < 0.2                        | -                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-01027-00001                     | 0.28  | 1.59       | 0.22       | 0.37  | 17                    | < 0.2                        | -                 | NC              | SC        | S                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-01016-00003                     | 0.26  | 1.48       | 0.15       | 0.33  | 15                    | < 0.2                        | N                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-01022-00001                     | 0.27  | 1.53       | 0.17       | 0.38  | 15                    | < 0.2                        | N                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-01028-00001                     | 0.28  | 1.59       | 0.15       | 0.33  | 13                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       | Low-E4® SmartSun™ w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-01014-00003                     | 0.27  | 1.53       | 0.34       | 0.41  | 25                    | < 0.2                        | N                 | NC              | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-01020-00001                     | 0.28  | 1.59       | 0.38       | 0.47  | 26                    | < 0.2                        | N                 | NC              | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-01026-00001                     | 0.29  | 1.65       | 0.34       | 0.41  | 22                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |       |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |  |
|                                       |                                | No Grilles  | AND-N-19-00885-00004                     | 0.30  | 1.70       | 0.29       | 0.49  | 18                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00885-00005                     | 0.30  | 1.70       | 0.26       | 0.43  | 17                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       | Low-E4® Sun                    | Finelight™ (grilles-between-the-glass)  | AND-N-19-00891-00002                     | 0.30  | 1.70       | 0.26       | 0.43  | 17                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00903-00002                     | 0.31  | 1.76       | 0.26       | 0.43  | 15                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | No Grilles  | AND-N-19-00886-00004                     | 0.30  | 1.70       | 0.18       | 0.27  | 12                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00886-00005                     | 0.30  | 1.70       | 0.16       | 0.24  | 11                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00892-00002                     | 0.30  | 1.70       | 0.16       | 0.24  | 11                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00904-00002                     | 0.31  | 1.76       | 0.16       | 0.24  | 10                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       | Low-E4® SmartSun™              | No Grilles  | AND-N-19-00887-00006                     | 0.29  | 1.65       | 0.19       | 0.44  | 14                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00887-00007                     | 0.29  | 1.65       | 0.17       | 0.39  | 13                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00893-00002                     | 0.29  | 1.65       | 0.17       | 0.39  | 13                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00905-00002                     | 0.30  | 1.70       | 0.17       | 0.39  | 11                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | No Grilles  | AND-N-19-00884-00004                     | 0.30  | 1.70       | 0.44       | 0.54  | 27                    | < 0.2                        | N                 | -               | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00884-00005                     | 0.30  | 1.70       | 0.40       | 0.48  | 25                    | < 0.2                        | -                 | NC              | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       | Low-E4® PassiveSun®            | Finelight™ (grilles-between-the-glass)  | AND-N-19-00890-00002                     | 0.30  | 1.70       | 0.40       | 0.48  | 25                    | < 0.2                        | -                 | NC              | -         | -                | Z1         | -          | -     | -                      | Z1     | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00902-00002                     | 0.31  | 1.76       | 0.40       | 0.48  | 23                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |       |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00885-00006                     | 0.30  | 1.70       | 0.23       | 0.38  | 15                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00897-00002                     | 0.31  | 1.76       | 0.26       | 0.43  | 15                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00909-00002                     | 0.31  | 1.76       | 0.23       | 0.38  | 14                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       | Low-E4® Sun                    | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00886-00006                     | 0.30  | 1.70       | 0.14       | 0.21  | 10                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00898-00002                     | 0.32  | 1.82       | 0.16       | 0.24  | 8                     | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00910-00002                     | 0.31  | 1.76       | 0.14       | 0.21  | 8                     | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00887-00008                     | 0.29  | 1.65       | 0.15       | 0.34  | 11                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00899-00002                     | 0.31  | 1.76       | 0.17       | 0.39  | 10                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00911-00002                     | 0.30  | 1.70       | 0.15       | 0.34  | 10                    | < 0.2                        | -                 | NC              | SC        | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       | Low-E4® SmartSun™              | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00884-00006                     | 0.30  | 1.70       | 0.35       | 0.42  | 22                    | < 0.2                        | -                 | NC              | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00896-00002                     | 0.32  | 1.82       | 0.40       | 0.48  | 22                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00908-00002                     | 0.31  | 1.76       | 0.35       | 0.42  | 20                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |       |            |            |       |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |  |
|                                       |                                | No Grilles  | AND-N-19-00915-00001                     | 0.31  | 1.76       | 0.28       | 0.49  | 16                    | < 0.2                        | -                 | -               | -         | -                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00915-00002                     | 0.31  | 1.76       | 0.25       | 0.43  | 15                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       | Low-E4®                        | Finelight™ (grilles-between-the-glass)  | AND-N-19-00920-00001                     | 0.32  | 1.82       | 0.25       | 0.43  | 13                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00925-00001                     | 0.32  | 1.82       | 0.25       | 0.43  | 13                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | No Grilles  | AND-N-19-00916-00001                     | 0.31  | 1.76       | 0.18       | 0.27  | 11                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Simulated Divided Lite or Installed Interior Removable                              | AND-N-19-00916-00002                     | 0.31  | 1.76       | 0.16       | 0.23  | 10                    | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Finelight™ (grilles-between-the-glass)  | AND-N-19-00921-00001                     | 0.32  | 1.82       | 0.16       | 0.23  | 8                     | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |
|                                       |                                | Full Divided Lite   | AND-N-19-00926-00001                     | 0.33  | 1.87       | 0.16       | 0.23  | 7                     | < 0.2                        | -                 | -               | -         | S                | -          | -          | -     | -                      | -      | -                        | - |  |

| Andersen® Product Line & Product Type                                | Andersen Glass Type                                    | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |   |
|--|--|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|---|
|  |  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |   |
| 400 Series Gliding   | Low-E4® SmartSun™                                      | No Grilles   | AND-N-19-00917-00001                     | 0.30                  | 1.70                         | 0.19              | 0.44            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00917-00002                     | 0.30                  | 1.70                         | 0.17              | 0.39            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00922-00001                     | 0.31                  | 1.76                         | 0.17              | 0.39            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  |  | Full Divided Lite                                      | AND-N-19-00927-00001                     | 0.32                  | 1.82                         | 0.17              | 0.39            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - | - |
|  | Low-E4® PassiveSun®                                    | No Grilles   | AND-N-19-00914-00001                     | 0.31                  | 1.76                         | 0.43              | 0.54            | 25        | < 0.2            | -          | -          | -     | -                      | Z1     | -                        | - | - |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00914-00002                     | 0.31                  | 1.76                         | 0.39              | 0.47            | 23        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00919-00001                     | 0.32                  | 1.82                         | 0.39              | 0.47            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
|  |  | Full Divided Lite                                      | AND-N-19-00924-00001                     | 0.33                  | 1.87                         | 0.39              | 0.47            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - | - |
| 3.9 Annealed or 3.9 Tempered Pattern Glass - w/Grilles 1" or Greater |  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |   |
| Low-E4® Sun  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00915-00003                                   | 0.31                                     | 1.76                  | 0.23                         | 0.38              | 14              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        | - |   |
|  | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | Full Divided Lite                                      | AND-N-19-00930-00001                                   | 0.31                                     | 1.76                  | 0.23                         | 0.38              | 14              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        | - |   |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00916-00003                                   | 0.31                                     | 1.76                  | 0.14                         | 0.21              | 8               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        | - |   |
| Low-E4® SmartSun™  | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | Full Divided Lite                                      | AND-N-19-00931-00001                                   | 0.32                                     | 1.82                  | 0.14                         | 0.21              | 7               | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        | - |   |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00917-00003                                   | 0.30                                     | 1.70                  | 0.16                         | 0.34              | 11              | < 0.2     | -                | NC         | SC         | S     | -                      | -      | -                        | - |   |
|  | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
| Low-E4® PassiveSun®  | Full Divided Lite                                      | AND-N-19-00932-00001                                   | 0.31                                     | 1.76                  | 0.16                         | 0.34              | 10              | < 0.2     | -                | -          | -          | S     | -                      | -      | -                        | - |   |
|  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00914-00003                                   | 0.31                                     | 1.76                  | 0.34                         | 0.42              | 20              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                                      | n/a                   | n/a                          | n/a               | n/a             | n/a       | -                | -          | -          | -     | -                      | -      | -                        | - |   |
|  | Full Divided Lite                                      | AND-N-19-00929-00001                                   | 0.32                                     | 1.82                  | 0.34                         | 0.42              | 19              | < 0.2     | -                | -          | -          | -     | -                      | -      | -                        | - |   |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Gliding (w/ Capillary Breather Tubes)                   | Low-E4®                          | No Grilles   | AND-N-19-00751-00001                     | 0.33                  | 1.87                         | 0.29              | 0.50            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00751-00002                     | 0.33                  | 1.87                         | 0.26              | 0.44            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00757-00001                     | 0.33                  | 1.87                         | 0.26              | 0.44            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00769-00001                     | 0.34                  | 1.93                         | 0.26              | 0.44            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-19-00752-00001                     | 0.33                  | 1.87                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00752-00002                     | 0.33                  | 1.87                         | 0.16              | 0.24            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00758-00001                     | 0.33                  | 1.87                         | 0.16              | 0.24            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00770-00001                     | 0.35                  | 1.99                         | 0.16              | 0.24            | 4         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-19-00753-00001                     | 0.33                  | 1.87                         | 0.19              | 0.45            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00753-00002                     | 0.33                  | 1.87                         | 0.17              | 0.39            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00759-00001                     | 0.33                  | 1.87                         | 0.17              | 0.39            | 8         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00771-00001                     | 0.34                  | 1.93                         | 0.17              | 0.39            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-19-00750-00001                     | 0.34                  | 1.93                         | 0.48              | 0.55            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00750-00002                     | 0.34                  | 1.93                         | 0.43              | 0.48            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00756-00001                     | 0.34                  | 1.93                         | 0.43              | 0.48            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00768-00001                     | 0.35                  | 1.99                         | 0.43              | 0.48            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-19-00958-00001                     | 0.28                  | 1.59                         | 0.28              | 0.48            | 20        | < 0.2            | -          | NC         | -     | Z1                     | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00958-00002                     | 0.28                  | 1.59                         | 0.25              | 0.43            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00961-00001                     | 0.28                  | 1.59                         | 0.25              | 0.43            | 18        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00967-00001                     | 0.31                  | 1.76                         | 0.25              | 0.43            | 15        | < 0.2            | -          | -          | S     | -                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-19-00959-00001                     | 0.28                  | 1.59                         | 0.19              | 0.44            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00959-00002                     | 0.28                  | 1.59                         | 0.17              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00962-00001                     | 0.28                  | 1.59                         | 0.17              | 0.39            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00968-00001                     | 0.30                  | 1.70                         | 0.17              | 0.39            | 11        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-19-00957-00001                     | 0.29                  | 1.65                         | 0.44              | 0.53            | 28        | < 0.2            | N          | -          | -     | Z1                     | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00957-00002                     | 0.29                  | 1.65                         | 0.39              | 0.47            | 25        | < 0.2            | N          | NC         | -     | Z1                     | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00960-00001                     | 0.29                  | 1.65                         | 0.39              | 0.47            | 25        | < 0.2            | N          | NC         | -     | Z1                     | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00966-00001                     | 0.31                  | 1.76                         | 0.39              | 0.47            | 23        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Gliding (w/ Capillary Breather Tubes)                   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00751-00003                     | 0.33                  | 1.87                         | 0.23              | 0.38            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00763-00001                     | 0.34                  | 1.93                         | 0.26              | 0.44            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00775-00001                     | 0.34                  | 1.93                         | 0.23              | 0.38            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00752-00003                     | 0.33                  | 1.87                         | 0.15              | 0.21            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00764-00001                     | 0.35                  | 1.99                         | 0.16              | 0.24            | 4         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00776-00001                     | 0.34                  | 1.93                         | 0.15              | 0.21            | 5         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00753-00003                     | 0.33                  | 1.87                         | 0.16              | 0.35            | 7         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00765-00001                     | 0.34                  | 1.93                         | 0.17              | 0.39            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-19-00777-00001                     | 0.34                  | 1.93                         | 0.16              | 0.35            | 6         | < 0.2            | -          | -          | -     | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00750-00003                     | 0.34                  | 1.93                         | 0.38              | 0.42            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00762-00001                     | 0.35                  | 1.99                         | 0.43              | 0.48            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00774-00001                     | 0.34                  | 1.93                         | 0.38              | 0.42            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00958-00003                     | 0.28                  | 1.59                         | 0.23              | 0.38            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00964-00001                     | 0.29                  | 1.65                         | 0.25              | 0.43            | 17        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00970-00001                     | 0.31                  | 1.76                         | 0.23              | 0.38            | 14        | < 0.2            | -          | -          | S     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00959-00003                     | 0.28                  | 1.59                         | 0.15              | 0.34            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00965-00001                     | 0.29                  | 1.65                         | 0.17              | 0.39            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-19-00971-00001                     | 0.30                  | 1.70                         | 0.15              | 0.34            | 10        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      |

| Andersen® Product Line & Product Type            | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number |       |            |            |       | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |        |        | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |  |
|--|----------------------------------|---|--|-------|------------|------------|-------|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|--------|--------|------------------------|--------|--------------------------|---|--|
|  |                                  |   |  | North | N. Central | S. Central | South |                       |                              |                   |                 |           | Zone 1           | Zone 2 | Zone 3 | Zone 1                 | Zone 2 | Zone 3                   |   |  |
| 400 Series Gliding (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00957-00003                     | 0.29  | 1.65       | 0.34       | 0.41  | 22                    | < 0.2                        | -                 | -               | NC        | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00963-00001                     | 0.30  | 1.70       | 0.39       | 0.47  | 24                    | < 0.2                        | -                 | -               | NC        | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00969-00001                     | 0.31  | 1.76       | 0.34       | 0.41  | 20                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |       |            |            |       |                       |                              |                   |                 |           |                  |        |        |                        |        |                          |   |  |
|  |                                  | No Grilles  | AND-N-19-00781-00001                     | 0.33  | 1.87       | 0.29       | 0.49  | 15                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00781-00002                     | 0.33  | 1.87       | 0.26       | 0.43  | 13                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00787-00001                     | 0.33  | 1.87       | 0.26       | 0.43  | 13                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00799-00001                     | 0.34  | 1.93       | 0.26       | 0.43  | 12                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | No Grilles  | AND-N-19-00782-00001                     | 0.33  | 1.87       | 0.18       | 0.27  | 8                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00782-00002                     | 0.33  | 1.87       | 0.16       | 0.24  | 7                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00788-00001                     | 0.33  | 1.87       | 0.16       | 0.24  | 7                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00800-00001                     | 0.35  | 1.99       | 0.16       | 0.24  | 4                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  | Low-E4® SmartSun™                | No Grilles  | AND-N-19-00783-00001                     | 0.33  | 1.87       | 0.19       | 0.44  | 9                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00783-00002                     | 0.33  | 1.87       | 0.17       | 0.39  | 8                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00783-00004                     | 0.33  | 1.87       | 0.17       | 0.39  | 8                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00789-00001                     | 0.33  | 1.87       | 0.17       | 0.39  | 8                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00801-00001                     | 0.34  | 1.93       | 0.17       | 0.39  | 6                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | No Grilles  | AND-N-19-00780-00001                     | 0.34  | 1.93       | 0.47       | 0.54  | 24                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  | Low-E4® PassiveSun®              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00780-00002                     | 0.34  | 1.93       | 0.42       | 0.48  | 21                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00786-00001                     | 0.34  | 1.93       | 0.42       | 0.48  | 21                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00798-00001                     | 0.35  | 1.99       | 0.42       | 0.48  | 19                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | No Grilles  | AND-N-19-00973-00001                     | 0.29  | 1.65       | 0.28       | 0.48  | 19                    | < 0.2                        | -                 | -               | -         | NC               | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00973-00002                     | 0.29  | 1.65       | 0.25       | 0.42  | 17                    | < 0.2                        | -                 | -               | -         | NC               | SC     | S      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00976-00001                     | 0.29  | 1.65       | 0.25       | 0.42  | 17                    | < 0.2                        | -                 | -               | -         | NC               | SC     | S      | -                      | -      | -                        |   |  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite   | AND-N-19-00982-00001                     | 0.31  | 1.76       | 0.25       | 0.42  | 15                    | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | No Grilles  | AND-N-19-00974-00001                     | 0.28  | 1.59       | 0.19       | 0.43  | 15                    | < 0.2                        | -                 | -               | -         | NC               | SC     | S      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00974-00002                     | 0.28  | 1.59       | 0.17       | 0.38  | 14                    | < 0.2                        | -                 | -               | -         | NC               | SC     | S      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00977-00001                     | 0.28  | 1.59       | 0.17       | 0.38  | 14                    | < 0.2                        | -                 | -               | -         | NC               | SC     | S      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00983-00001                     | 0.31  | 1.76       | 0.17       | 0.38  | 10                    | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | No Grilles  | AND-N-19-00972-00001                     | 0.29  | 1.65       | 0.43       | 0.53  | 28                    | < 0.2                        | N                 | -               | -         | -                | Z1     | -      | -                      | -      | -                        | - |  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00972-00002                     | 0.29  | 1.65       | 0.38       | 0.47  | 25                    | < 0.2                        | N                 | NC              | -         | -                | Z1     | -      | -                      | -      | -                        | - |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00975-00001                     | 0.29  | 1.65       | 0.38       | 0.47  | 25                    | < 0.2                        | N                 | NC              | -         | -                | Z1     | -      | -                      | -      | -                        | - |  |
|  |                                  | Full Divided Lite   | AND-N-19-00981-00001                     | 0.31  | 1.76       | 0.38       | 0.47  | 22                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater               |  |       |            |            |       |                       |                              |                   |                 |           |                  |        |        |                        |        |                          |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00781-00003                     | 0.33  | 1.87       | 0.23       | 0.38  | 11                    | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00793-00001                     | 0.35  | 1.99       | 0.26       | 0.43  | 10                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  | Low-E4® Sun                      | Full Divided Lite   | AND-N-19-00805-00001                     | 0.34  | 1.93       | 0.23       | 0.38  | 10                    | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00782-00003                     | 0.33  | 1.87       | 0.15       | 0.21  | 7                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00794-00001                     | 0.35  | 1.99       | 0.16       | 0.24  | 4                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00806-00001                     | 0.34  | 1.93       | 0.15       | 0.21  | 5                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00783-00003                     | 0.33  | 1.87       | 0.16       | 0.34  | 7                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00783-00005                     | 0.33  | 1.87       | 0.16       | 0.34  | 7                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00795-00001                     | 0.35  | 1.99       | 0.17       | 0.39  | 5                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00807-00001                     | 0.33  | 1.87       | 0.16       | 0.34  | 7                     | < 0.2                        | -                 | -               | -         | S                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-19-00780-00003                     | 0.34  | 1.93       | 0.37       | 0.42  | 18                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-19-00792-00001                     | 0.36  | 2.04       | 0.42       | 0.48  | 18                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |
|  |                                  | Full Divided Lite   | AND-N-19-00804-00001                     | 0.34  | 1.93       | 0.37       | 0.42  | 18                    | < 0.2                        | -                 | -               | -         | -                | -      | -      | -                      | -      | -                        |   |  |

| Andersen® Product Line & Product Type            | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Gliding (w/ Capillary Breather Tubes) | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00973-00003                     | 0.29                  | 1.65                         | 0.22              | 0.37            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00979-00001                     | 0.30                  | 1.70                         | 0.25              | 0.42            | 16        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00985-00001                     | 0.31                  | 1.76                         | 0.22              | 0.37            | 13        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00974-00003                     | 0.28                  | 1.59                         | 0.15              | 0.33            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00980-00001                     | 0.30                  | 1.70                         | 0.17              | 0.38            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00986-00001                     | 0.31                  | 1.76                         | 0.15              | 0.33            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  | Low-E4® PassiveSun® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00972-00003                     | 0.29                  | 1.65                         | 0.34              | 0.41            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00978-00001                     | 0.31                  | 1.76                         | 0.38              | 0.47            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00984-00001                     | 0.31                  | 1.76                         | 0.34              | 0.41            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|  | Low-E4®   | No Grilles   | AND-N-19-00781-00004                     | 0.33                  | 1.87                         | 0.29              | 0.49            | 15        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00781-00005                     | 0.33                  | 1.87                         | 0.26              | 0.43            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00787-00002                     | 0.33                  | 1.87                         | 0.26              | 0.43            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00799-00002                     | 0.34                  | 1.93                         | 0.26              | 0.43            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-19-00782-00004                     | 0.33                  | 1.87                         | 0.18              | 0.27            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00782-00005                     | 0.33                  | 1.87                         | 0.16              | 0.24            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00788-00002                     | 0.33                  | 1.87                         | 0.16              | 0.24            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00800-00002                     | 0.35                  | 1.99                         | 0.16              | 0.24            | 4         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-19-00783-00006                     | 0.33                  | 1.87                         | 0.19              | 0.44            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00783-00007                     | 0.33                  | 1.87                         | 0.17              | 0.39            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00789-00002                     | 0.33                  | 1.87                         | 0.17              | 0.39            | 8         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00801-00002                     | 0.34                  | 1.93                         | 0.17              | 0.39            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  | Low-E4® PassiveSun®   | No Grilles   | AND-N-19-00780-00004                     | 0.34                  | 1.93                         | 0.44              | 0.54            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00780-00005                     | 0.34                  | 1.93                         | 0.40              | 0.48            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00786-00002                     | 0.34                  | 1.93                         | 0.42              | 0.48            | 21        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00798-00002                     | 0.35                  | 1.99                         | 0.40              | 0.48            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00781-00006                     | 0.33                  | 1.87                         | 0.23              | 0.38            | 11        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00793-00002                     | 0.35                  | 1.99                         | 0.26              | 0.43            | 10        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00805-00002                     | 0.34                  | 1.93                         | 0.23              | 0.38            | 10        | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00782-00006                     | 0.33                  | 1.87                         | 0.15              | 0.21            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00794-00002                     | 0.35                  | 1.99                         | 0.16              | 0.24            | 4         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00806-00002                     | 0.34                  | 1.93                         | 0.15              | 0.21            | 5         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00783-00008                     | 0.33                  | 1.87                         | 0.16              | 0.34            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00795-00002                     | 0.35                  | 1.99                         | 0.17              | 0.39            | 5         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-19-00807-00002                     | 0.33                  | 1.87                         | 0.16              | 0.34            | 7         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00780-00006                     | 0.34                  | 1.93                         | 0.35              | 0.42            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00792-00002                     | 0.36                  | 2.04                         | 0.42              | 0.48            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00804-00002                     | 0.34                  | 1.93                         | 0.35              | 0.42            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|  | Low-E4®   | No Grilles   | AND-N-19-00811-00001                     | 0.34                  | 1.93                         | 0.29              | 0.49            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00811-00002                     | 0.34                  | 1.93                         | 0.26              | 0.43            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00816-00001                     | 0.36                  | 2.04                         | 0.26              | 0.43            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00821-00001                     | 0.36                  | 2.04                         | 0.26              | 0.43            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-19-00812-00001                     | 0.35                  | 1.99                         | 0.18              | 0.27            | 6         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00812-00002                     | 0.35                  | 1.99                         | 0.16              | 0.23            | 4         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00817-00001                     | 0.36                  | 2.04                         | 0.16              | 0.23            | 3         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-19-00822-00001                     | 0.37                  | 2.10                         | 0.16              | 0.23            | 2         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |

| Andersen®<br>Product Line &<br>Product Type            | Andersen<br>Glass<br>Type   | Grille Type  | NFRC Certified<br>Products<br>Directory Number | Air Infiltration      |                                 |                   |                 |           |       |            | U.S.<br>ENERGY<br>STAR<br>v 6.0 |       | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |   |
|--|---|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|-------|------------|---------------------------------|-------|-----------------------------------|--------|--------|---|
|  |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central                      | South | Zone 1                            | Zone 2 | Zone 3 |   |
| 400 Series Gliding<br>(w/ Capillary<br>Breather Tubes) | Low-E4®<br>SmartSun™  | No Grilles   | AND-N-19-00813-00001                           | 0.34                  | 1.93                            | 0.20              | 0.44            | 8         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00813-00002                           | 0.34                  | 1.93                            | 0.18              | 0.39            | 7         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00818-00001                           | 0.35                  | 1.99                            | 0.18              | 0.39            | 6         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-19-00823-00001                           | 0.36                  | 2.04                            | 0.18              | 0.39            | 5         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  | Low-E4®<br>PassiveSun®  | No Grilles   | AND-N-19-00810-00001                           | 0.35                  | 1.99                            | 0.43              | 0.54            | 20        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00810-00002                           | 0.35                  | 1.99                            | 0.39              | 0.47            | 18        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-19-00815-00001                           | 0.36                  | 2.04                            | 0.39              | 0.47            | 17        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-19-00820-00001                           | 0.37                  | 2.10                            | 0.39              | 0.47            | 15        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |
|  | 3.9 Annealed or 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                                 |                   |                 |           |       |            |                                 |       |                                   |        |        |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00811-00003                           | 0.34                  | 1.93                            | 0.23              | 0.38            | 10        | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a   | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-19-00826-00001                           | 0.35                  | 1.99                            | 0.23              | 0.38            | 9         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00812-00003                           | 0.35                  | 1.99                            | 0.15              | 0.21            | 4         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  | Low-E4®<br>Sun  | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a   | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-19-00827-00001                           | 0.35                  | 1.99                            | 0.15              | 0.21            | 4         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00813-00003                           | 0.34                  | 1.93                            | 0.16              | 0.34            | 6         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a   | -          | -                               | -     | -                                 | -      | -      | - |
|  | Low-E4®<br>SmartSun™  | Full Divided Lite                                      | AND-N-19-00828-00001                           | 0.35                  | 1.99                            | 0.16              | 0.34            | 4         | < 0.2 | -          | -                               | -     | S                                 | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-19-00810-00003                           | 0.35                  | 1.99                            | 0.34              | 0.42            | 15        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | n/a  | n/a                   | n/a                             | n/a               | n/a             | n/a       | n/a   | -          | -                               | -     | -                                 | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-19-00825-00001                           | 0.36                  | 2.04                            | 0.34              | 0.42            | 14        | < 0.2 | -          | -                               | -     | -                                 | -      | -      | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Specialty - Flexiframe®   | Low-E4®                          | No Grilles   | AND-N-17-01074-00001                     | 0.27                  | 1.53                         | 0.33              | 0.58            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01074-00002                     | 0.27                  | 1.53                         | 0.30              | 0.52            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01080-00001                     | 0.27                  | 1.53                         | 0.30              | 0.52            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01092-00001                     | 0.28                  | 1.59                         | 0.30              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-17-01075-00001                     | 0.27                  | 1.53                         | 0.20              | 0.31            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01075-00002                     | 0.27                  | 1.53                         | 0.18              | 0.28            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01081-00001                     | 0.27                  | 1.53                         | 0.18              | 0.28            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01093-00001                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-17-01076-00001                     | 0.26                  | 1.48                         | 0.23              | 0.52            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01076-00002                     | 0.26                  | 1.48                         | 0.21              | 0.46            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01082-00001                     | 0.26                  | 1.48                         | 0.21              | 0.46            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01094-00001                     | 0.27                  | 1.53                         | 0.21              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-17-01073-00001                     | 0.27                  | 1.53                         | 0.53              | 0.63            | 37        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01073-00002                     | 0.27                  | 1.53                         | 0.48              | 0.57            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01079-00001                     | 0.27                  | 1.53                         | 0.48              | 0.57            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-17-01091-00001                     | 0.29                  | 1.65                         | 0.48              | 0.57            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-17-01233-00001                     | 0.22                  | 1.25                         | 0.32              | 0.56            | 31        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01233-00002                     | 0.22                  | 1.25                         | 0.29              | 0.50            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01236-00001                     | 0.22                  | 1.25                         | 0.29              | 0.50            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01242-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-17-01234-00001                     | 0.22                  | 1.25                         | 0.22              | 0.51            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01234-00002                     | 0.22                  | 1.25                         | 0.20              | 0.45            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01237-00001                     | 0.22                  | 1.25                         | 0.20              | 0.45            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01243-00001                     | 0.24                  | 1.36                         | 0.20              | 0.45            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-17-01232-00001                     | 0.23                  | 1.31                         | 0.48              | 0.62            | 39        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01232-00002                     | 0.23                  | 1.31                         | 0.43              | 0.55            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01235-00001                     | 0.23                  | 1.31                         | 0.43              | 0.55            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-17-01241-00001                     | 0.25                  | 1.42                         | 0.43              | 0.55            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Specialty - Flexiframe®   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01074-00003                     | 0.27                  | 1.53                         | 0.27              | 0.46            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01086-00001                     | 0.28                  | 1.59                         | 0.30              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01098-00001                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01075-00003                     | 0.27                  | 1.53                         | 0.17              | 0.25            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01087-00001                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01099-00001                     | 0.28                  | 1.59                         | 0.17              | 0.25            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01076-00003                     | 0.26                  | 1.48                         | 0.19              | 0.41            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01088-00001                     | 0.27                  | 1.53                         | 0.21              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-17-01100-00001                     | 0.27                  | 1.53                         | 0.19              | 0.41            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01073-00003                     | 0.27                  | 1.53                         | 0.43              | 0.50            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01085-00001                     | 0.29                  | 1.65                         | 0.48              | 0.57            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01097-00001                     | 0.28                  | 1.59                         | 0.43              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01233-00003                     | 0.22                  | 1.25                         | 0.26              | 0.45            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01239-00001                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01245-00001                     | 0.25                  | 1.42                         | 0.26              | 0.45            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |

| Andersen®<br>Product Line &<br>Product Type | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 |        | Canada<br>ENERGY<br>STAR<br>v 4.1 |    |  |
|---|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|--------|-----------------------------------|----|--|
|   |  |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                          | Zone 2 | Zone 3                            |    |  |
| 400 Series<br>Specialty -<br>Flexiframe®    | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01234-00003                           | 0.22                  | 1.25                            | 0.18              | 0.40            | 23        | < 0.2            | N          | NC         | SC    | S                               | Z1     | Z2                                | -  |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01240-00001                           | 0.23                  | 1.31                            | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                               | Z1     | Z2                                | -  |  |
|   |  | Full Divided Lite                                      | AND-N-17-01246-00001                           | 0.24                  | 1.36                            | 0.18              | 0.40            | 20        | < 0.2            | N          | NC         | SC    | S                               | Z1     | Z2                                | -  |  |
|   | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01232-00003                           | 0.23                  | 1.31                            | 0.39              | 0.49            | 34        | < 0.2            | N          | NC         | -     | -                               | Z1     | Z2                                | Z3 |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01238-00001                           | 0.24                  | 1.36                            | 0.43              | 0.55            | 35        | < 0.2            | N          | -          | -     | -                               | Z1     | Z2                                | Z3 |  |
|   |  | Full Divided Lite                                      | AND-N-17-01244-00001                           | 0.25                  | 1.42                            | 0.39              | 0.49            | 31        | < 0.2            | N          | NC         | -     | -                               | Z1     | Z2                                | -  |  |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
| 400 Series Specialty - Flexiframe® (w/ Capillary Breather Tubes)                   | Low-E4®                          | No Grilles   | AND-N-17-00959-00001                     | 0.30                  | 1.70                         | 0.34              | 0.58            | 22        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00959-00002                     | 0.30                  | 1.70                         | 0.30              | 0.52            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00965-00001                     | 0.30                  | 1.70                         | 0.30              | 0.52            | 20        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00977-00001                     | 0.32                  | 1.82                         | 0.30              | 0.52            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-17-00960-00001                     | 0.31                  | 1.76                         | 0.21              | 0.31            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00960-00002                     | 0.31                  | 1.76                         | 0.19              | 0.28            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00966-00001                     | 0.31                  | 1.76                         | 0.19              | 0.28            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00978-00001                     | 0.32                  | 1.82                         | 0.19              | 0.28            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-17-00961-00001                     | 0.30                  | 1.70                         | 0.23              | 0.52            | 16        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00961-00002                     | 0.30                  | 1.70                         | 0.21              | 0.46            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00967-00001                     | 0.30                  | 1.70                         | 0.21              | 0.46            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00979-00001                     | 0.31                  | 1.76                         | 0.21              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-17-00958-00001                     | 0.31                  | 1.76                         | 0.53              | 0.63            | 32        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00958-00002                     | 0.31                  | 1.76                         | 0.48              | 0.57            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00964-00001                     | 0.31                  | 1.76                         | 0.48              | 0.57            | 29        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00976-00001                     | 0.32                  | 1.82                         | 0.48              | 0.57            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-17-01188-00001                     | 0.25                  | 1.42                         | 0.33              | 0.56            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01188-00002                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01191-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01197-00001                     | 0.27                  | 1.53                         | 0.29              | 0.50            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-17-01189-00001                     | 0.24                  | 1.36                         | 0.22              | 0.51            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01189-00002                     | 0.24                  | 1.36                         | 0.20              | 0.45            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01192-00001                     | 0.24                  | 1.36                         | 0.20              | 0.45            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 |
|  |                                  | Full Divided Lite                                      | AND-N-17-01198-00001                     | 0.27                  | 1.53                         | 0.20              | 0.45            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-17-01187-00001                     | 0.25                  | 1.42                         | 0.48              | 0.62            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01187-00002                     | 0.25                  | 1.42                         | 0.43              | 0.55            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01190-00001                     | 0.25                  | 1.42                         | 0.43              | 0.55            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
|  |                                  | Full Divided Lite                                      | AND-N-17-01196-00001                     | 0.28                  | 1.59                         | 0.43              | 0.55            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |
| 400 Series Specialty - Flexiframe® (w/ Capillary Breather Tubes)                   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00959-00003                     | 0.30                  | 1.70                         | 0.27              | 0.46            | 18        | < 0.2            | -          | NC         | -     | -                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00971-00001                     | 0.32                  | 1.82                         | 0.30              | 0.52            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00983-00001                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00960-00003                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00960-00002                     | 0.31                  | 1.76                         | 0.17              | 0.25            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00972-00001                     | 0.32                  | 1.82                         | 0.19              | 0.28            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00984-00001                     | 0.32                  | 1.82                         | 0.17              | 0.25            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00961-00003                     | 0.30                  | 1.70                         | 0.19              | 0.41            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00973-00001                     | 0.31                  | 1.76                         | 0.21              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-00985-00001                     | 0.31                  | 1.76                         | 0.19              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-00958-00003                     | 0.31                  | 1.76                         | 0.43              | 0.50            | 26        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-00970-00001                     | 0.32                  | 1.82                         | 0.48              | 0.57            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |
|  | Low-E4® w/ Heatlock™             | Full Divided Lite                                      | AND-N-17-00982-00001                     | 0.32                  | 1.82                         | 0.43              | 0.50            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01188-00003                     | 0.25                  | 1.42                         | 0.26              | 0.45            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01194-00001                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |
|  |                                  | Full Divided Lite                                      | AND-N-17-01200-00001                     | 0.27                  | 1.53                         | 0.26              | 0.45            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |

| Andersen®<br>Product Line &<br>Product Type                                  | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 |        | Canada<br>ENERGY<br>STAR<br>v 4.1 |   |  |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|--------|-----------------------------------|---|--|
|  |  |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                          | Zone 2 | Zone 3                            |   |  |
| 400 Series<br>Specialty -<br>Flexiframe® (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01189-00003                           | 0.24                  | 1.36                            | 0.18              | 0.40            | 20        | < 0.2            | N          | NC         | SC    | S                               | Z1     | Z2                                | - |  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01195-00001                           | 0.26                  | 1.48                            | 0.20              | 0.45            | 19        | < 0.2            | N          | NC         | SC    | S                               | Z1     | -                                 | - |  |
|  |  | Full Divided Lite                                      | AND-N-17-01201-00001                           | 0.27                  | 1.53                            | 0.18              | 0.40            | 17        | < 0.2            | N          | NC         | SC    | S                               | Z1     | -                                 | - |  |
|  | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable | AND-N-17-01187-00003                           | 0.25                  | 1.42                            | 0.39              | 0.49            | 31        | < 0.2            | N          | NC         | -     | -                               | Z1     | Z2                                | - |  |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-17-01193-00001                           | 0.27                  | 1.53                            | 0.43              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                               | Z1     | Z2                                | - |  |
|  |  | Full Divided Lite                                      | AND-N-17-01199-00001                           | 0.28                  | 1.59                            | 0.39              | 0.49            | 28        | < 0.2            | N          | NC         | -     | -                               | Z1     | -                                 | - |  |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Specialty - Arch Flexiframe®  | Low-E4®                          | No Grilles   | AND-N-18-01074-00001                     | 0.28                  | 1.59                         | 0.33              | 0.58            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01074-00002                     | 0.28                  | 1.59                         | 0.30              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01080-00001                     | 0.28                  | 1.59                         | 0.30              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01092-00001                     | 0.29                  | 1.65                         | 0.30              | 0.52            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-18-01075-00001                     | 0.28                  | 1.59                         | 0.20              | 0.31            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01075-00002                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01081-00001                     | 0.28                  | 1.59                         | 0.18              | 0.28            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01093-00001                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-18-01076-00001                     | 0.27                  | 1.53                         | 0.23              | 0.52            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01076-00002                     | 0.27                  | 1.53                         | 0.21              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01082-00001                     | 0.27                  | 1.53                         | 0.21              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01094-00001                     | 0.28                  | 1.59                         | 0.21              | 0.46            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-18-01073-00001                     | 0.28                  | 1.59                         | 0.53              | 0.63            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01073-00002                     | 0.28                  | 1.59                         | 0.48              | 0.57            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01079-00001                     | 0.28                  | 1.59                         | 0.48              | 0.57            | 33        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01091-00001                     | 0.30                  | 1.70                         | 0.48              | 0.57            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-18-01233-00001                     | 0.23                  | 1.31                         | 0.32              | 0.56            | 30        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01233-00002                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01236-00001                     | 0.23                  | 1.31                         | 0.29              | 0.50            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01242-00001                     | 0.25                  | 1.42                         | 0.29              | 0.50            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-18-01234-00001                     | 0.23                  | 1.31                         | 0.22              | 0.51            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01234-00002                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01237-00001                     | 0.23                  | 1.31                         | 0.20              | 0.45            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01243-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-18-01232-00001                     | 0.24                  | 1.36                         | 0.48              | 0.62            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01232-00002                     | 0.24                  | 1.36                         | 0.43              | 0.55            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01235-00001                     | 0.24                  | 1.36                         | 0.43              | 0.55            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-18-01241-00001                     | 0.26                  | 1.48                         | 0.43              | 0.55            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Specialty - Arch Flexiframe®  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01074-00003                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01086-00001                     | 0.29                  | 1.65                         | 0.30              | 0.52            | 21        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01098-00001                     | 0.29                  | 1.65                         | 0.27              | 0.46            | 19        | < 0.2            | -          | NC         | -     | -                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01075-00003                     | 0.28                  | 1.59                         | 0.17              | 0.25            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01087-00001                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01099-00001                     | 0.29                  | 1.65                         | 0.17              | 0.25            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01076-00003                     | 0.27                  | 1.53                         | 0.19              | 0.41            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01088-00001                     | 0.28                  | 1.59                         | 0.21              | 0.46            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-18-01100-00001                     | 0.28                  | 1.59                         | 0.19              | 0.41            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01073-00003                     | 0.28                  | 1.59                         | 0.43              | 0.50            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01085-00001                     | 0.29                  | 1.65                         | 0.48              | 0.57            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01097-00001                     | 0.29                  | 1.65                         | 0.43              | 0.50            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01233-00003                     | 0.23                  | 1.31                         | 0.26              | 0.45            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01239-00001                     | 0.24                  | 1.36                         | 0.29              | 0.50            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01245-00001                     | 0.25                  | 1.42                         | 0.26              | 0.45            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |

| Andersen®<br>Product Line &<br>Product Type   | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 |        | Canada<br>ENERGY<br>STAR<br>v 4.1 |    |  |
|---|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|--------|-----------------------------------|----|--|
|   |  |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                          | Zone 2 | Zone 3                            |    |  |
| 400 Series<br>Specialty - Arch<br>Flexiframe® | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01234-00003                           | 0.23                  | 1.31                            | 0.18              | 0.40            | 22        | < 0.2            | N          | NC         | SC    | S                               | Z1     | Z2                                | -  |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01240-00001                           | 0.24                  | 1.36                            | 0.20              | 0.45            | 22        | < 0.2            | N          | NC         | SC    | S                               | Z1     | Z2                                | -  |  |
|   |  | Full Divided Lite                                      | AND-N-18-01246-00001                           | 0.25                  | 1.42                            | 0.18              | 0.40            | 19        | < 0.2            | N          | NC         | SC    | S                               | Z1     | -                                 | -  |  |
|   | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01232-00003                           | 0.24                  | 1.36                            | 0.39              | 0.49            | 33        | < 0.2            | N          | NC         | -     | -                               | Z1     | Z2                                | -  |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01238-00001                           | 0.25                  | 1.42                            | 0.43              | 0.55            | 34        | < 0.2            | N          | -          | -     | -                               | Z1     | Z2                                | Z3 |  |
|   |  | Full Divided Lite                                      | AND-N-18-01244-00001                           | 0.26                  | 1.48                            | 0.39              | 0.49            | 30        | < 0.2            | N          | NC         | -     | -                               | Z1     | Z2                                | -  |  |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Specialty - Arch Flexiframe® (w/ Capillary Breather Tubes)              | Low-E4®                          | No Grilles   | AND-N-18-00959-00001                     | 0.31                  | 1.76                         | 0.34              | 0.58            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00959-00002                     | 0.31                  | 1.76                         | 0.30              | 0.52            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00965-00001                     | 0.31                  | 1.76                         | 0.30              | 0.52            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00977-00001                     | 0.33                  | 1.87                         | 0.30              | 0.52            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  | Low-E4® Sun                      | No Grilles   | AND-N-18-00960-00001                     | 0.32                  | 1.82                         | 0.21              | 0.31            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00960-00002                     | 0.32                  | 1.82                         | 0.19              | 0.28            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00966-00001                     | 0.32                  | 1.82                         | 0.19              | 0.28            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00978-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-18-00961-00001                     | 0.31                  | 1.76                         | 0.23              | 0.52            | 15        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00961-00002                     | 0.31                  | 1.76                         | 0.21              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00967-00001                     | 0.31                  | 1.76                         | 0.21              | 0.46            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00979-00001                     | 0.32                  | 1.82                         | 0.21              | 0.46            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-18-00958-00001                     | 0.32                  | 1.82                         | 0.53              | 0.63            | 31        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00958-00002                     | 0.32                  | 1.82                         | 0.48              | 0.57            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00964-00001                     | 0.32                  | 1.82                         | 0.48              | 0.57            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00976-00001                     | 0.33                  | 1.87                         | 0.48              | 0.57            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-18-01188-00001                     | 0.26                  | 1.48                         | 0.33              | 0.56            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01188-00002                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01191-00001                     | 0.26                  | 1.48                         | 0.29              | 0.50            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-01197-00001                     | 0.28                  | 1.59                         | 0.29              | 0.50            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-18-01189-00001                     | 0.25                  | 1.42                         | 0.23              | 0.51            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01189-00002                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01192-00001                     | 0.25                  | 1.42                         | 0.20              | 0.45            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-01198-00001                     | 0.28                  | 1.59                         | 0.20              | 0.45            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  |    |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-18-01187-00001                     | 0.26                  | 1.48                         | 0.48              | 0.62            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01187-00002                     | 0.26                  | 1.48                         | 0.43              | 0.55            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01190-00001                     | 0.26                  | 1.48                         | 0.43              | 0.55            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01196-00001                     | 0.29                  | 1.65                         | 0.43              | 0.55            | 29        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
| <b>5.7 Annealed or 5.7 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Specialty - Arch Flexiframe® (w/ Capillary Breather Tubes)              | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00959-00003                     | 0.31                  | 1.76                         | 0.27              | 0.46            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00971-00001                     | 0.33                  | 1.87                         | 0.30              | 0.52            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00983-00001                     | 0.32                  | 1.82                         | 0.27              | 0.46            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00960-00003                     | 0.32                  | 1.82                         | 0.17              | 0.25            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00972-00001                     | 0.33                  | 1.87                         | 0.19              | 0.28            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00984-00001                     | 0.33                  | 1.87                         | 0.17              | 0.25            | 9         | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00961-00003                     | 0.31                  | 1.76                         | 0.19              | 0.41            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00973-00001                     | 0.32                  | 1.82                         | 0.21              | 0.46            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-18-00985-00001                     | 0.32                  | 1.82                         | 0.19              | 0.41            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-18-00958-00003                     | 0.32                  | 1.82                         | 0.43              | 0.50            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-00970-00001                     | 0.33                  | 1.87                         | 0.48              | 0.57            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-18-00982-00001                     | 0.33                  | 1.87                         | 0.43              | 0.50            | 24        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01188-00003                     | 0.26                  | 1.48                         | 0.27              | 0.45            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01194-00001                     | 0.27                  | 1.53                         | 0.29              | 0.50            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-18-01200-00001                     | 0.28                  | 1.59                         | 0.27              | 0.45            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |

| Andersen®<br>Product Line &<br>Product Type                                       | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 |        | Canada<br>ENERGY<br>STAR<br>v 4.1 |   |  |
|---|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|--------|-----------------------------------|---|--|
|   |  |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                          | Zone 2 | Zone 3                            |   |  |
| 400 Series<br>Specialty - Arch<br>Flexiframe® (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01189-00003                           | 0.25                  | 1.42                            | 0.19              | 0.40            | 20        | < 0.2            | N          | NC         | SC    | S                               | Z1     | -                                 | - |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01195-00001                           | 0.27                  | 1.53                            | 0.20              | 0.45            | 18        | < 0.2            | N          | NC         | SC    | S                               | Z1     | -                                 | - |  |
|   |  | Full Divided Lite                                      | AND-N-18-01201-00001                           | 0.28                  | 1.59                            | 0.19              | 0.40            | 16        | < 0.2            | -          | NC         | SC    | S                               | Z1     | -                                 | - |  |
|   | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable | AND-N-18-01187-00003                           | 0.26                  | 1.48                            | 0.39              | 0.49            | 30        | < 0.2            | N          | NC         | -     | -                               | Z1     | Z2                                | - |  |
|   |  | Finelight™ (grilles-between-the-glass)                 | AND-N-18-01193-00001                           | 0.27                  | 1.53                            | 0.43              | 0.55            | 31        | < 0.2            | N          | -          | -     | -                               | Z1     | Z2                                | - |  |
|   |  | Full Divided Lite                                      | AND-N-18-01199-00001                           | 0.29                  | 1.65                            | 0.39              | 0.49            | 26        | < 0.2            | N          | NC         | -     | -                               | Z1     | -                                 | - |  |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |    |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Circle & Oval   | Low-E4®                          | No Grilles   | AND-N-148-00087-00001                    | 0.27                  | 1.53                         | 0.35              | 0.60            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00087-00002                    | 0.27                  | 1.53                         | 0.32              | 0.54            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00093-00001                    | 0.27                  | 1.53                         | 0.32              | 0.54            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00105-00001                    | 0.28                  | 1.59                         | 0.32              | 0.54            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | No Grilles   | AND-N-148-00088-00001                    | 0.27                  | 1.53                         | 0.21              | 0.33            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00088-00002                    | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00094-00001                    | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00106-00001                    | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-148-00089-00001                    | 0.26                  | 1.48                         | 0.23              | 0.54            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00089-00002                    | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00095-00001                    | 0.26                  | 1.48                         | 0.21              | 0.49            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00107-00001                    | 0.28                  | 1.59                         | 0.21              | 0.49            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-148-00086-00001                    | 0.28                  | 1.59                         | 0.58              | 0.67            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00086-00002                    | 0.28                  | 1.59                         | 0.52              | 0.60            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00092-00001                    | 0.28                  | 1.59                         | 0.52              | 0.60            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-148-00104-00001                    | 0.29                  | 1.65                         | 0.52              | 0.60            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-148-00212-00001                    | 0.23                  | 1.31                         | 0.34              | 0.59            | 31        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00212-00002                    | 0.23                  | 1.31                         | 0.31              | 0.53            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00215-00001                    | 0.23                  | 1.31                         | 0.31              | 0.53            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00221-00001                    | 0.25                  | 1.42                         | 0.31              | 0.53            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-148-00213-00001                    | 0.22                  | 1.25                         | 0.23              | 0.53            | 26        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00213-00002                    | 0.22                  | 1.25                         | 0.21              | 0.48            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00216-00001                    | 0.22                  | 1.25                         | 0.21              | 0.48            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00222-00001                    | 0.24                  | 1.36                         | 0.21              | 0.48            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-148-00211-00001                    | 0.23                  | 1.31                         | 0.53              | 0.65            | 42        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00211-00002                    | 0.23                  | 1.31                         | 0.48              | 0.58            | 39        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00214-00001                    | 0.23                  | 1.31                         | 0.48              | 0.58            | 39        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-148-00220-00001                    | 0.25                  | 1.42                         | 0.48              | 0.58            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |    |
| 400 Series Circle & Oval   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00087-00003                    | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00099-00001                    | 0.28                  | 1.59                         | 0.32              | 0.54            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00111-00001                    | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00088-00003                    | 0.27                  | 1.53                         | 0.18              | 0.27            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00100-00001                    | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00112-00001                    | 0.29                  | 1.65                         | 0.18              | 0.27            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00089-00003                    | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00101-00001                    | 0.28                  | 1.59                         | 0.21              | 0.49            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-148-00113-00001                    | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00086-00003                    | 0.28                  | 1.59                         | 0.47              | 0.53            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00098-00001                    | 0.29                  | 1.65                         | 0.52              | 0.60            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-148-00110-00001                    | 0.29                  | 1.65                         | 0.47              | 0.53            | 31        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2     | -  |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00212-00003                    | 0.23                  | 1.31                         | 0.28              | 0.47            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00218-00001                    | 0.24                  | 1.36                         | 0.31              | 0.53            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00224-00001                    | 0.25                  | 1.42                         | 0.28              | 0.47            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00213-00003                    | 0.22                  | 1.25                         | 0.19              | 0.42            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00219-00001                    | 0.23                  | 1.31                         | 0.21              | 0.48            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |
|  |                                  | Full Divided Lite                                      | AND-N-148-00225-00001                    | 0.24                  | 1.36                         | 0.19              | 0.42            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2     | -  |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|---------------------------------------|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|                                       |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| 400 Series Circle & Oval              | Low-E4® PassiveSun® w/ Heatlock™                              | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00211-00003                    | 0.23                  | 1.31                         | 0.43              | 0.52            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00217-00001                    | 0.24                  | 1.36                         | 0.48              | 0.58            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Full Divided Lite   | AND-N-148-00223-00001                    | 0.25                  | 1.42                         | 0.43              | 0.52            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|                                       |   | No Grilles  | AND-N-148-00087-00004                    | 0.27                  | 1.53                         | 0.35              | 0.60            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00087-00005                    | 0.27                  | 1.53                         | 0.31              | 0.54            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       | Low-E4®   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00093-00002                    | 0.27                  | 1.53                         | 0.31              | 0.54            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00105-00002                    | 0.28                  | 1.59                         | 0.31              | 0.54            | 23        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | No Grilles  | AND-N-148-00088-00004                    | 0.27                  | 1.53                         | 0.21              | 0.33            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00088-00005                    | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00094-00002                    | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00106-00002                    | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|                                       | Low-E4® SmartSun™   | No Grilles  | AND-N-148-00089-00004                    | 0.26                  | 1.48                         | 0.23              | 0.54            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00089-00005                    | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00095-00002                    | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00107-00002                    | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | No Grilles  | AND-N-148-00086-00004                    | 0.28                  | 1.59                         | 0.57              | 0.66            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00086-00005                    | 0.28                  | 1.59                         | 0.52              | 0.59            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       | Low-E4® PassiveSun®   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00092-00002                    | 0.28                  | 1.59                         | 0.52              | 0.59            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Full Divided Lite   | AND-N-148-00104-00002                    | 0.29                  | 1.65                         | 0.52              | 0.59            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | No Grilles  | AND-N-148-00086-00004                    | 0.28                  | 1.59                         | 0.57              | 0.66            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00086-00005                    | 0.28                  | 1.59                         | 0.52              | 0.59            | 35        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00104-00002                    | 0.29                  | 1.65                         | 0.52              | 0.59            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Full Divided Lite   | AND-N-148-00221-00002                    | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       | Low-E4® w/ Heatlock™  | No Grilles  | AND-N-148-00212-00004                    | 0.23                  | 1.31                         | 0.34              | 0.58            | 31        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00212-00005                    | 0.23                  | 1.31                         | 0.31              | 0.52            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00215-00002                    | 0.23                  | 1.31                         | 0.31              | 0.52            | 29        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00221-00002                    | 0.25                  | 1.42                         | 0.31              | 0.52            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | No Grilles  | AND-N-148-00213-00004                    | 0.22                  | 1.25                         | 0.22              | 0.53            | 25        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00213-00005                    | 0.22                  | 1.25                         | 0.20              | 0.47            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|                                       | Low-E4® SmartSun™ w/ Heatlock™                                | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00216-00002                    | 0.22                  | 1.25                         | 0.20              | 0.47            | 24        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00222-00002                    | 0.24                  | 1.36                         | 0.20              | 0.47            | 22        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | Z2 | -  |
|                                       |   | No Grilles  | AND-N-148-00211-00004                    | 0.23                  | 1.31                         | 0.52              | 0.64            | 41        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00211-00005                    | 0.23                  | 1.31                         | 0.47              | 0.58            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00214-00002                    | 0.23                  | 1.31                         | 0.47              | 0.58            | 38        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Full Divided Lite   | AND-N-148-00220-00002                    | 0.25                  | 1.42                         | 0.47              | 0.58            | 36        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       | 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00087-00006                    | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00099-00002                    | 0.28                  | 1.59                         | 0.31              | 0.54            | 23        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00111-00002                    | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00088-00006                    | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00100-00002                    | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00112-00002                    | 0.29                  | 1.65                         | 0.17              | 0.26            | 13        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  | -  |
|                                       | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00089-00006                    | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00101-00002                    | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00113-00002                    | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00089-00006                    | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00101-00002                    | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00114-00002                    | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1                       | -  | -  |
|                                       | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00086-00006                    | 0.28                  | 1.59                         | 0.46              | 0.52            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00098-00002                    | 0.29                  | 1.65                         | 0.52              | 0.59            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|                                       |   | Full Divided Lite   | AND-N-148-00110-00002                    | 0.29                  | 1.65                         | 0.46              | 0.52            | 30        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00212-00006                    | 0.23                  | 1.31                         | 0.28              | 0.46            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00218-00002                    | 0.24                  | 1.36                         | 0.31              | 0.52            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00224-00002                    | 0.25                  | 1.42                         | 0.28              | 0.46            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|                                       | Low-E4® w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00212-00006                    | 0.23                  | 1.31                         | 0.28              | 0.46            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00218-00002                    | 0.24                  | 1.36                         | 0.31              | 0.52            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | Z2 | -  |
|                                       |   | Full Divided Lite   | AND-N-148-00224-00002                    | 0.25                  | 1.42                         | 0.28              | 0.46            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |    |  |
|---------------------------------------|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|----|--|
|                                       |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |    |  |
| 400 Series Circle & Oval              | Low-E4® SmartSun™ w/ Heatlock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00213-00006                    | 0.22                  | 1.25                         | 0.18              | 0.42            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00219-00002                    | 0.23                  | 1.31                         | 0.20              | 0.47            | 23        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00225-00002                    | 0.24                  | 1.36                         | 0.18              | 0.42            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1     | Z2                       | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00211-00006                    | 0.23                  | 1.31                         | 0.42              | 0.51            | 35        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00217-00002                    | 0.24                  | 1.36                         | 0.47              | 0.58            | 37        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00223-00002                    | 0.25                  | 1.42                         | 0.42              | 0.51            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |  |
|                                       | Low-E4®   | No Grilles   | AND-N-148-00087-00007                    | 0.27                  | 1.53                         | 0.35              | 0.60            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00087-00008                    | 0.27                  | 1.53                         | 0.31              | 0.54            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00093-00003                    | 0.27                  | 1.53                         | 0.31              | 0.54            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00105-00003                    | 0.28                  | 1.59                         | 0.31              | 0.54            | 23        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       | Low-E4® Sun   | No Grilles   | AND-N-148-00088-00007                    | 0.27                  | 1.53                         | 0.21              | 0.33            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00088-00008                    | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00094-00003                    | 0.27                  | 1.53                         | 0.19              | 0.30            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00106-00003                    | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |
|                                       | Low-E4® SmartSun™   | No Grilles   | AND-N-148-00089-00007                    | 0.26                  | 1.48                         | 0.23              | 0.54            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00089-00008                    | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00095-00003                    | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00107-00003                    | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       | Low-E4® PassiveSun®   | No Grilles   | AND-N-148-00086-00007                    | 0.28                  | 1.59                         | 0.54              | 0.66            | 36        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | Z3 |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00086-00008                    | 0.28                  | 1.59                         | 0.48              | 0.59            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00092-00003                    | 0.28                  | 1.59                         | 0.48              | 0.59            | 33        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00104-00003                    | 0.29                  | 1.65                         | 0.48              | 0.59            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |    |  |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00087-00009                    | 0.27                  | 1.53                         | 0.28              | 0.48            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00099-00003                    | 0.28                  | 1.59                         | 0.31              | 0.54            | 23        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00111-00003                    | 0.28                  | 1.59                         | 0.28              | 0.48            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1     | -                        | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00088-00009                    | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00100-00003                    | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00112-00003                    | 0.29                  | 1.65                         | 0.17              | 0.26            | 13        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00089-00009                    | 0.26                  | 1.48                         | 0.19              | 0.43            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00101-00003                    | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-148-00113-00003                    | 0.28                  | 1.59                         | 0.19              | 0.43            | 16        | < 0.2            | -          | NC         | SC    | S                      | Z1     | -                        | -  |  |
|                                       |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00086-00009                    | 0.28                  | 1.59                         | 0.43              | 0.52            | 30        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|                                       |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00098-00003                    | 0.29                  | 1.65                         | 0.48              | 0.59            | 31        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |
|                                       |   | Full Divided Lite                                      | AND-N-148-00110-00003                    | 0.29                  | 1.65                         | 0.43              | 0.52            | 29        | < 0.2            | N          | -          | -     | -                      | Z1     | Z2                       | -  |  |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>r</sup> | U-Factor <sup>r</sup> Metric | SHGC | VT <sup>r</sup> | Canada ER | U.S. ENERGY STAR v 6.0 |            |            |       | Canada ENERGY STAR v 4.1 |        |        |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|------|-----------------|-----------|------------------------|------------|------------|-------|--------------------------|--------|--------|----|
|  |                                  |  |  |                       |                              |      |                 |           | North                  | N. Central | S. Central | South | Zone 1                   | Zone 2 | Zone 3 |    |
| <b>2.2 Annealed Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |      |                 |           |                        |            |            |       |                          |        |        |    |
| 400 Series Circle & Oval (w/ Capillary Breather Tubes)             | Low-E4®                          | No Grilles   | AND-N-148-00003-00001                    | 0.31                  | 1.76                         | 0.35 | 0.60            | 21        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00003-00002                    | 0.31                  | 1.76                         | 0.32 | 0.54            | 20        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00009-00001                    | 0.31                  | 1.76                         | 0.32 | 0.54            | 20        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00021-00001                    | 0.32                  | 1.82                         | 0.32 | 0.54            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  | Low-E4® Sun                      | No Grilles   | AND-N-148-00004-00001                    | 0.31                  | 1.76                         | 0.22 | 0.33            | 14        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00004-00002                    | 0.31                  | 1.76                         | 0.20 | 0.30            | 13        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00010-00001                    | 0.31                  | 1.76                         | 0.20 | 0.30            | 13        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00022-00001                    | 0.33                  | 1.87                         | 0.20 | 0.30            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-148-00005-00001                    | 0.30                  | 1.70                         | 0.23 | 0.54            | 16        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00005-00002                    | 0.30                  | 1.70                         | 0.21 | 0.49            | 15        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00011-00001                    | 0.30                  | 1.70                         | 0.21 | 0.49            | 15        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00023-00001                    | 0.32                  | 1.82                         | 0.21 | 0.49            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-148-00002-00001                    | 0.31                  | 1.76                         | 0.58 | 0.67            | 35        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | Z3     |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00002-00002                    | 0.31                  | 1.76                         | 0.52 | 0.60            | 31        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00008-00001                    | 0.31                  | 1.76                         | 0.52 | 0.60            | 31        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00020-00001                    | 0.33                  | 1.87                         | 0.52 | 0.60            | 29        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | -      |    |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-148-00170-00001                    | 0.25                  | 1.42                         | 0.34 | 0.59            | 28        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00170-00002                    | 0.25                  | 1.42                         | 0.31 | 0.53            | 27        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00173-00001                    | 0.25                  | 1.42                         | 0.31 | 0.53            | 27        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00179-00001                    | 0.28                  | 1.59                         | 0.31 | 0.53            | 23        | < 0.2                  | -          | NC         | -     | -                        | Z1     | -      |    |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-148-00171-00001                    | 0.25                  | 1.42                         | 0.23 | 0.53            | 22        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00171-00002                    | 0.25                  | 1.42                         | 0.21 | 0.48            | 21        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00174-00001                    | 0.25                  | 1.42                         | 0.21 | 0.48            | 21        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00180-00001                    | 0.27                  | 1.53                         | 0.21 | 0.48            | 18        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-148-00169-00001                    | 0.26                  | 1.48                         | 0.53 | 0.65            | 38        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00169-00002                    | 0.26                  | 1.48                         | 0.48 | 0.58            | 35        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00172-00001                    | 0.26                  | 1.48                         | 0.48 | 0.58            | 35        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-148-00178-00001                    | 0.28                  | 1.59                         | 0.48 | 0.58            | 33        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | -  |
| <b>2.2 Annealed Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |      |                 |           |                        |            |            |       |                          |        |        |    |
| 400 Series Circle & Oval (w/ Capillary Breather Tubes)             | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00003-00003                    | 0.31                  | 1.76                         | 0.29 | 0.48            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00015-00001                    | 0.32                  | 1.82                         | 0.32 | 0.54            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00027-00001                    | 0.32                  | 1.82                         | 0.29 | 0.48            | 17        | < 0.2                  | -          | -          | -     | -                        | -      | -      |    |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00004-00003                    | 0.31                  | 1.76                         | 0.18 | 0.27            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00016-00001                    | 0.33                  | 1.87                         | 0.20 | 0.30            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00028-00001                    | 0.32                  | 1.82                         | 0.18 | 0.27            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00005-00003                    | 0.30                  | 1.70                         | 0.19 | 0.43            | 14        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00017-00001                    | 0.32                  | 1.82                         | 0.21 | 0.49            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00029-00001                    | 0.31                  | 1.76                         | 0.19 | 0.43            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      |    |
|  | Low-E4® PassiveSun®              | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00002-00003                    | 0.31                  | 1.76                         | 0.47 | 0.53            | 28        | < 0.2                  | -          | -          | -     | Z1                       | -      | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00014-00001                    | 0.33                  | 1.87                         | 0.52 | 0.60            | 29        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00026-00001                    | 0.33                  | 1.87                         | 0.47 | 0.53            | 26        | < 0.2                  | -          | -          | -     | Z1                       | -      | -      |    |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00170-00003                    | 0.25                  | 1.42                         | 0.28 | 0.47            | 25        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00176-00001                    | 0.26                  | 1.48                         | 0.31 | 0.53            | 25        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00182-00001                    | 0.28                  | 1.59                         | 0.28 | 0.47            | 21        | < 0.2                  | -          | NC         | -     | -                        | Z1     | -      |    |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00171-00003                    | 0.25                  | 1.42                         | 0.19 | 0.42            | 20        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00177-00001                    | 0.26                  | 1.48                         | 0.21 | 0.48            | 20        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |
|  |                                  | Full Divided Lite                                      | AND-N-148-00183-00001                    | 0.27                  | 1.53                         | 0.19 | 0.42            | 17        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      |    |

| Andersen® Product Line & Product Type                         | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>r</sup> | U-Factor <sup>r</sup> Metric | SHGC | VT <sup>r</sup> | Canada ER | U.S. ENERGY STAR v 6.0 |            |            |       | Canada ENERGY STAR v 4.1 |        |        |    |
|---|----------------------------------|---|--|-----------------------|------------------------------|------|-----------------|-----------|------------------------|------------|------------|-------|--------------------------|--------|--------|----|
|   |                                  |   |  |                       |                              |      |                 |           | North                  | N. Central | S. Central | South | Zone 1                   | Zone 2 | Zone 3 |    |
| 400 Series Circle & Oval (w/ Capillary Breather Tubes)        | Low-E4® PassiveSun® w/ HeatLock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00169-00003                    | 0.26                  | 1.48                         | 0.43 | 0.52            | 32        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00175-00001                    | 0.27                  | 1.53                         | 0.48 | 0.58            | 34        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|   |                                  | Full Divided Lite   | AND-N-148-00181-00001                    | 0.28                  | 1.59                         | 0.43 | 0.52            | 30        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | -  |
|   |                                  | 3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |      |                 |           |                        |            |            |       |                          |        |        |    |
|   | Low-E4®                          | No Grilles  | AND-N-148-00003-00004                    | 0.31                  | 1.76                         | 0.35 | 0.60            | 21        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00003-00005                    | 0.31                  | 1.76                         | 0.32 | 0.54            | 20        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00009-00002                    | 0.31                  | 1.76                         | 0.32 | 0.54            | 20        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00021-00002                    | 0.32                  | 1.82                         | 0.32 | 0.54            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   | Low-E4® Sun                      | No Grilles  | AND-N-148-00004-00004                    | 0.31                  | 1.76                         | 0.22 | 0.33            | 14        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00004-00005                    | 0.31                  | 1.76                         | 0.20 | 0.30            | 13        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00010-00002                    | 0.31                  | 1.76                         | 0.20 | 0.30            | 13        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00022-00002                    | 0.33                  | 1.87                         | 0.20 | 0.30            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   | Low-E4® SmartSun™                | No Grilles  | AND-N-148-00005-00004                    | 0.30                  | 1.70                         | 0.23 | 0.54            | 16        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00005-00005                    | 0.30                  | 1.70                         | 0.21 | 0.48            | 15        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00011-00002                    | 0.30                  | 1.70                         | 0.21 | 0.48            | 15        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00023-00002                    | 0.32                  | 1.82                         | 0.21 | 0.48            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   | Low-E4® PassiveSun®              | No Grilles  | AND-N-148-00002-00004                    | 0.31                  | 1.76                         | 0.57 | 0.66            | 34        | < 0.2                  | -          | -          | -     | -                        | Z1     | Z2     | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00002-00005                    | 0.31                  | 1.76                         | 0.51 | 0.59            | 31        | < 0.2                  | -          | -          | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00008-00002                    | 0.31                  | 1.76                         | 0.51 | 0.59            | 31        | < 0.2                  | -          | -          | -     | -                        | Z1     | Z2     | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00020-00002                    | 0.33                  | 1.87                         | 0.51 | 0.59            | 28        | < 0.2                  | -          | -          | -     | -                        | Z1     | -      | -  |
|   | Low-E4® w/ HeatLock™             | No Grilles  | AND-N-148-00170-00004                    | 0.25                  | 1.42                         | 0.34 | 0.58            | 28        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00170-00005                    | 0.25                  | 1.42                         | 0.31 | 0.52            | 27        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00173-00002                    | 0.25                  | 1.42                         | 0.31 | 0.52            | 27        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00179-00002                    | 0.28                  | 1.59                         | 0.31 | 0.52            | 23        | < 0.2                  | -          | NC         | -     | -                        | Z1     | -      | -  |
|   | Low-E4® SmartSun™ w/ HeatLock™   | No Grilles  | AND-N-148-00171-00004                    | 0.25                  | 1.42                         | 0.23 | 0.53            | 22        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00171-00005                    | 0.25                  | 1.42                         | 0.21 | 0.47            | 21        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00174-00002                    | 0.25                  | 1.42                         | 0.21 | 0.47            | 21        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00180-00002                    | 0.27                  | 1.53                         | 0.21 | 0.47            | 18        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | -  |
|   | Low-E4® PassiveSun® w/ HeatLock™ | No Grilles  | AND-N-148-00169-00004                    | 0.26                  | 1.48                         | 0.52 | 0.64            | 37        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00169-00005                    | 0.26                  | 1.48                         | 0.47 | 0.58            | 35        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00172-00002                    | 0.26                  | 1.48                         | 0.47 | 0.58            | 35        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | Z3 |
|   |                                  | Full Divided Lite   | AND-N-148-00178-00002                    | 0.28                  | 1.59                         | 0.47 | 0.58            | 32        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | -  |
| 3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater |                                  |   |  |                       |                              |      |                 |           |                        |            |            |       |                          |        |        |    |
| 400 Series Circle & Oval (w/ Capillary Breather Tubes)        | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00003-00006                    | 0.31                  | 1.76                         | 0.28 | 0.48            | 17        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00015-00002                    | 0.32                  | 1.82                         | 0.32 | 0.54            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00027-00002                    | 0.32                  | 1.82                         | 0.28 | 0.48            | 16        | < 0.2                  | -          | -          | -     | -                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00004-00006                    | 0.31                  | 1.76                         | 0.18 | 0.26            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00016-00002                    | 0.33                  | 1.87                         | 0.20 | 0.30            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00028-00002                    | 0.32                  | 1.82                         | 0.18 | 0.26            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00005-00006                    | 0.30                  | 1.70                         | 0.19 | 0.43            | 14        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00017-00002                    | 0.32                  | 1.82                         | 0.21 | 0.48            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   | Low-E4® SmartSun™                | Full Divided Lite   | AND-N-148-00029-00002                    | 0.31                  | 1.76                         | 0.19 | 0.43            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00002-00006                    | 0.31                  | 1.76                         | 0.46 | 0.52            | 28        | < 0.2                  | -          | -          | -     | -                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00014-00002                    | 0.33                  | 1.87                         | 0.51 | 0.59            | 28        | < 0.2                  | -          | -          | -     | Z1                       | -      | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00026-00002                    | 0.33                  | 1.87                         | 0.46 | 0.52            | 25        | < 0.2                  | -          | -          | -     | Z1                       | -      | -      | -  |
|   | Low-E4® PassiveSun® w/ HeatLock™ | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00170-00006                    | 0.25                  | 1.42                         | 0.28 | 0.46            | 25        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      | -  |
|   |                                  | Finelight™ (grilles-between-the-glass)                                      | AND-N-148-00176-00002                    | 0.26                  | 1.48                         | 0.31 | 0.52            | 25        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      | -  |
|   |                                  | Full Divided Lite   | AND-N-148-00182-00002                    | 0.28                  | 1.59                         | 0.28 | 0.46            | 21        | < 0.2                  | -          | NC         | -     | -                        | Z1     | -      | -  |
|   |                                  | Simulated Divided Lite or Installed Interior Removable                      | AND-N-148-00170-00006                    | 0.25                  | 1.42                         | 0.28 | 0.46            | 25        | < 0.2                  | N          | NC         | -     | -                        | Z1     | -      | -  |

| Andersen® Product Line & Product Type                  | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>r</sup> | U-Factor <sup>r</sup> Metric | SHGC | VT <sup>r</sup> | Canada ER | U.S. ENERGY STAR v 6.0 |            |            |       | Canada ENERGY STAR v 4.1 |        |        |   |
|--|---|--|--|-----------------------|------------------------------|------|-----------------|-----------|------------------------|------------|------------|-------|--------------------------|--------|--------|---|
|  |   |  |  |                       |                              |      |                 |           | North                  | N. Central | S. Central | South | Zone 1                   | Zone 2 | Zone 3 |   |
| 400 Series Circle & Oval (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ HeatLock™  | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00171-00006                    | 0.25                  | 1.42                         | 0.19 | 0.42            | 20        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00177-00002                    | 0.26                  | 1.48                         | 0.21 | 0.47            | 20        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00183-00002                    | 0.27                  | 1.53                         | 0.19 | 0.42            | 17        | < 0.2                  | N          | NC         | SC    | S                        | Z1     | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00169-00006                    | 0.26                  | 1.48                         | 0.42 | 0.51            | 32        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00175-00002                    | 0.27                  | 1.53                         | 0.47 | 0.58            | 33        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | - |
|  |   | Full Divided Lite                                      | AND-N-148-00181-00002                    | 0.28                  | 1.59                         | 0.42 | 0.51            | 29        | < 0.2                  | N          | -          | -     | -                        | Z1     | Z2     | - |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |      |                 |           |                        |            |            |       |                          |        |        |   |
|  | Low-E4®   | No Grilles   | AND-N-148-00003-00007                    | 0.31                  | 1.76                         | 0.35 | 0.60            | 21        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00003-00008                    | 0.31                  | 1.76                         | 0.32 | 0.54            | 20        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00009-00003                    | 0.31                  | 1.76                         | 0.32 | 0.54            | 20        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00021-00003                    | 0.32                  | 1.82                         | 0.32 | 0.54            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-148-00004-00007                    | 0.31                  | 1.76                         | 0.22 | 0.33            | 14        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00004-00008                    | 0.31                  | 1.76                         | 0.20 | 0.30            | 13        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00010-00003                    | 0.31                  | 1.76                         | 0.20 | 0.30            | 13        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00022-00003                    | 0.33                  | 1.87                         | 0.20 | 0.30            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-148-00005-00007                    | 0.30                  | 1.70                         | 0.23 | 0.54            | 16        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00005-00008                    | 0.30                  | 1.70                         | 0.21 | 0.48            | 15        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00011-00003                    | 0.30                  | 1.70                         | 0.21 | 0.48            | 15        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00023-00003                    | 0.32                  | 1.82                         | 0.21 | 0.48            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  | Low-E4® PassiveSun®   | No Grilles   | AND-N-148-00002-00007                    | 0.31                  | 1.76                         | 0.54 | 0.66            | 32        | < 0.2                  | -          | -          | -     | -                        | Z1     | Z2     | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00002-00008                    | 0.31                  | 1.76                         | 0.49 | 0.59            | 30        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00008-00003                    | 0.31                  | 1.76                         | 0.49 | 0.59            | 30        | < 0.2                  | -          | -          | -     | Z1                       | Z2     | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00020-00003                    | 0.33                  | 1.87                         | 0.49 | 0.59            | 27        | < 0.2                  | -          | -          | -     | Z1                       | -      | -      | - |
|  | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |      |                 |           |                        |            |            |       |                          |        |        |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00003-00009                    | 0.31                  | 1.76                         | 0.28 | 0.48            | 17        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00015-00003                    | 0.32                  | 1.82                         | 0.32 | 0.54            | 18        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00027-00003                    | 0.32                  | 1.82                         | 0.28 | 0.48            | 16        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00004-00009                    | 0.31                  | 1.76                         | 0.18 | 0.26            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00016-00003                    | 0.33                  | 1.87                         | 0.20 | 0.30            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00028-00003                    | 0.32                  | 1.82                         | 0.18 | 0.26            | 10        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00005-00009                    | 0.30                  | 1.70                         | 0.19 | 0.43            | 14        | < 0.2                  | -          | NC         | SC    | S                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00017-00003                    | 0.32                  | 1.82                         | 0.21 | 0.48            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00029-00003                    | 0.31                  | 1.76                         | 0.19 | 0.43            | 12        | < 0.2                  | -          | -          | -     | S                        | -      | -      | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-148-00002-00009                    | 0.31                  | 1.76                         | 0.43 | 0.52            | 26        | < 0.2                  | -          | -          | -     | -                        | Z1     | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-148-00014-00003                    | 0.33                  | 1.87                         | 0.49 | 0.59            | 27        | < 0.2                  | -          | -          | -     | Z1                       | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-148-00026-00003                    | 0.33                  | 1.87                         | 0.43 | 0.52            | 24        | < 0.2                  | -          | -          | -     | -                        | -      | -      | - |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration | U.S.<br>ENERGY<br>STAR<br>v 6.0 |            |            | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |        |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|---------------------------------|------------|------------|-----------------------------------|--------|--------|--------|
|  |  |  |  |                       |                                 |                   |                 |           |                  | North                           | N. Central | S. Central | South                             | Zone 1 | Zone 2 | Zone 3 |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Specialty -<br>Elliptical  | Low-E4®                                | No Grilles   | AND-N-16-00987-00001                           | 0.27                  | 1.53                            | 0.34              | 0.59            | 26        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00987-00002                           | 0.27                  | 1.53                            | 0.31              | 0.53            | 24        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00993-00001                           | 0.27                  | 1.53                            | 0.31              | 0.53            | 24        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01005-00001                           | 0.28                  | 1.59                            | 0.31              | 0.53            | 23        | < 0.2            | -                               | NC         | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>Sun                         | No Grilles   | AND-N-16-00988-00001                           | 0.27                  | 1.53                            | 0.21              | 0.33            | 18        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00988-00002                           | 0.27                  | 1.53                            | 0.19              | 0.29            | 17        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00994-00001                           | 0.27                  | 1.53                            | 0.19              | 0.29            | 17        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01006-00001                           | 0.29                  | 1.65                            | 0.19              | 0.29            | 15        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | No Grilles   | AND-N-16-00989-00001                           | 0.26                  | 1.48                            | 0.23              | 0.53            | 21        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00989-00002                           | 0.26                  | 1.48                            | 0.21              | 0.48            | 20        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00995-00001                           | 0.26                  | 1.48                            | 0.21              | 0.48            | 20        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01007-00001                           | 0.28                  | 1.59                            | 0.21              | 0.48            | 17        | < 0.2            | -                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>PassiveSun®                 | No Grilles   | AND-N-16-00986-00001                           | 0.28                  | 1.59                            | 0.57              | 0.65            | 38        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00986-00002                           | 0.28                  | 1.59                            | 0.51              | 0.58            | 34        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00992-00001                           | 0.28                  | 1.59                            | 0.51              | 0.58            | 34        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Full Divided Lite                                      | AND-N-16-01004-00001                           | 0.29                  | 1.65                            | 0.51              | 0.58            | 33        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  | Low-E4®<br>w/ Heatlock™                | No Grilles   | AND-N-16-01157-00001                           | 0.23                  | 1.31                            | 0.34              | 0.58            | 31        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01157-00002                           | 0.23                  | 1.31                            | 0.30              | 0.52            | 28        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01160-00001                           | 0.23                  | 1.31                            | 0.30              | 0.52            | 28        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01166-00001                           | 0.25                  | 1.42                            | 0.30              | 0.52            | 26        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | No Grilles   | AND-N-16-01158-00001                           | 0.22                  | 1.25                            | 0.22              | 0.52            | 25        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01158-00002                           | 0.22                  | 1.25                            | 0.20              | 0.46            | 24        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01161-00001                           | 0.22                  | 1.25                            | 0.20              | 0.46            | 24        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01167-00001                           | 0.25                  | 1.42                            | 0.20              | 0.46            | 20        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>PassiveSun®<br>w/ Heatlock™ | No Grilles   | AND-N-16-01156-00001                           | 0.23                  | 1.31                            | 0.51              | 0.64            | 41        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01156-00002                           | 0.23                  | 1.31                            | 0.46              | 0.57            | 38        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01159-00001                           | 0.23                  | 1.31                            | 0.46              | 0.57            | 38        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
|  |  | Full Divided Lite                                      | AND-N-16-01165-00001                           | 0.26                  | 1.48                            | 0.46              | 0.57            | 34        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | Z3     |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Specialty -<br>Elliptical  | Low-E4®                                | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00987-00003                           | 0.27                  | 1.53                            | 0.28              | 0.47            | 22        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00999-00001                           | 0.28                  | 1.59                            | 0.31              | 0.53            | 23        | < 0.2            | -                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01011-00001                           | 0.28                  | 1.59                            | 0.28              | 0.47            | 21        | < 0.2            | -                               | NC         | -          | -                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00988-00003                           | 0.27                  | 1.53                            | 0.17              | 0.26            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>Sun                         | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00989-00001                           | 0.26                  | 1.48                            | 0.19              | 0.42            | 18        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01000-00001                           | 0.29                  | 1.65                            | 0.19              | 0.29            | 15        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01012-00001                           | 0.29                  | 1.65                            | 0.17              | 0.26            | 13        | < 0.2            | -                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00989-00003                           | 0.26                  | 1.48                            | 0.19              | 0.42            | 18        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™                   | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01001-00001                           | 0.28                  | 1.59                            | 0.21              | 0.48            | 17        | < 0.2            | -                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01013-00001                           | 0.28                  | 1.59                            | 0.19              | 0.42            | 16        | < 0.2            | -                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00986-00003                           | 0.28                  | 1.59                            | 0.46              | 0.52            | 32        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00996-00001                           | 0.29                  | 1.65                            | 0.51              | 0.58            | 33        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  | Low-E4®<br>w/ Heatlock™                | Full Divided Lite                                      | AND-N-16-01010-00001                           | 0.29                  | 1.65                            | 0.46              | 0.52            | 30        | < 0.2            | N                               | -          | -          | -                                 | Z1     | Z2     | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01157-00003                           | 0.23                  | 1.31                            | 0.27              | 0.46            | 27        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01163-00001                           | 0.24                  | 1.36                            | 0.30              | 0.52            | 27        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01169-00001                           | 0.25                  | 1.42                            | 0.27              | 0.46            | 24        | < 0.2            | N                               | NC         | -          | -                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01158-00003                           | 0.22                  | 1.25                            | 0.18              | 0.41            | 23        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | Z2     | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01164-00001                           | 0.23                  | 1.31                            | 0.20              | 0.46            | 23        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | Z2     | -      |
|  |  | Full Divided Lite                                      | AND-N-16-01170-00001                           | 0.25                  | 1.42                            | 0.18              | 0.41            | 19        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |

| Andersen® Product Line & Product Type | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number |                       |                              |                   |                 | Canada ER | Air Infiltration | U.S. ENERGY STAR v 6.0 |            |            | Canada ENERGY STAR v 4.1 |        |        |        |
|---------------------------------------|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------------------|------------|------------|--------------------------|--------|--------|--------|
|                                       |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> |           |                  | North                  | N. Central | S. Central | South                    | Zone 1 | Zone 2 | Zone 3 |
| 400 Series Specialty - Elliptical     | Low-E4® PassiveSun® w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-01156-00003                     | 0.23                  | 1.31                         | 0.41              | 0.51            | 35        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | Z3     |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-01162-00001                     | 0.24                  | 1.36                         | 0.46              | 0.57            | 37        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | Z3     |
|                                       |   | Full Divided Lite   | AND-N-16-01168-00001                     | 0.26                  | 1.48                         | 0.41              | 0.51            | 31        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|                                       |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
|                                       | Low-E4®   | No Grilles  | AND-N-16-00987-00004                     | 0.27                  | 1.53                         | 0.34              | 0.59            | 26        | < 0.2            | N                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00987-00005                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2            | N                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00993-00002                     | 0.27                  | 1.53                         | 0.31              | 0.53            | 24        | < 0.2            | N                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01005-00002                     | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2            | -                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       | Low-E4® Sun   | No Grilles  | AND-N-16-00988-00004                     | 0.27                  | 1.53                         | 0.21              | 0.33            | 18        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00988-00005                     | 0.27                  | 1.53                         | 0.19              | 0.29            | 17        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00994-00002                     | 0.27                  | 1.53                         | 0.19              | 0.29            | 17        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01006-00002                     | 0.29                  | 1.65                         | 0.19              | 0.29            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|                                       | Low-E4® SmartSun™   | No Grilles  | AND-N-16-00989-00004                     | 0.26                  | 1.48                         | 0.23              | 0.53            | 21        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00989-00005                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00995-00002                     | 0.26                  | 1.48                         | 0.21              | 0.48            | 20        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01007-00002                     | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       | Low-E4® PassiveSun®   | No Grilles  | AND-N-16-00986-00004                     | 0.28                  | 1.59                         | 0.53              | 0.65            | 36        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | Z3     |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00986-00005                     | 0.28                  | 1.59                         | 0.48              | 0.58            | 33        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00992-00002                     | 0.28                  | 1.59                         | 0.48              | 0.58            | 33        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01004-00002                     | 0.29                  | 1.65                         | 0.48              | 0.58            | 31        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|                                       | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
|                                       | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00987-00006                     | 0.27                  | 1.53                         | 0.28              | 0.47            | 22        | < 0.2            | N                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00999-00002                     | 0.28                  | 1.59                         | 0.31              | 0.53            | 23        | < 0.2            | -                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01011-00002                     | 0.28                  | 1.59                         | 0.28              | 0.47            | 21        | < 0.2            | -                      | NC         | -          | -                        | Z1     | -      | -      |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00988-00006                     | 0.27                  | 1.53                         | 0.17              | 0.26            | 16        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)  | AND-N-16-01000-00002                     | 0.29                  | 1.65                         | 0.19              | 0.29            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01012-00002                     | 0.29                  | 1.65                         | 0.17              | 0.26            | 13        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00989-00006                     | 0.26                  | 1.48                         | 0.19              | 0.42            | 18        | < 0.2            | N                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-01001-00002                     | 0.28                  | 1.59                         | 0.21              | 0.48            | 17        | < 0.2            | -                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-16-01013-00002                     | 0.28                  | 1.59                         | 0.19              | 0.42            | 16        | < 0.2            | -                      | NC         | SC         | S                        | Z1     | -      | -      |
|                                       |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00986-00006                     | 0.28                  | 1.59                         | 0.43              | 0.52            | 30        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|                                       |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00998-00002                     | 0.29                  | 1.65                         | 0.48              | 0.58            | 31        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |
|                                       |   | Full Divided Lite   | AND-N-16-01010-00002                     | 0.29                  | 1.65                         | 0.43              | 0.52            | 29        | < 0.2            | N                      | -          | -          | -                        | Z1     | Z2     | -      |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |    |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|----|----|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |    |    |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Specialty - Elliptical (w/ Capillary Breather Tubes)                    | Low-E4®                          | No Grilles   | AND-N-16-00873-00001                     | 0.31                  | 1.76                         | 0.34              | 0.59            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00873-00002                     | 0.31                  | 1.76                         | 0.31              | 0.53            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00879-00001                     | 0.31                  | 1.76                         | 0.31              | 0.53            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00891-00001                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  | Low-E4® Sun                      | No Grilles   | AND-N-16-00874-00001                     | 0.31                  | 1.76                         | 0.21              | 0.33            | 13        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00874-00002                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00880-00001                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00892-00001                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-16-00875-00001                     | 0.30                  | 1.70                         | 0.23              | 0.53            | 16        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00875-00002                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00881-00001                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00893-00001                     | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-16-00872-00001                     | 0.31                  | 1.76                         | 0.56              | 0.65            | 34        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | Z3 |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00872-00002                     | 0.31                  | 1.76                         | 0.51              | 0.58            | 31        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00878-00001                     | 0.31                  | 1.76                         | 0.51              | 0.58            | 31        | < 0.2            | -          | -          | -     | Z1                     | Z2                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00890-00001                     | 0.33                  | 1.87                         | 0.51              | 0.58            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-16-01100-00001                     | 0.25                  | 1.42                         | 0.34              | 0.58            | 28        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01100-00002                     | 0.25                  | 1.42                         | 0.30              | 0.52            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01103-00001                     | 0.25                  | 1.42                         | 0.30              | 0.52            | 26        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-01109-00001                     | 0.28                  | 1.59                         | 0.30              | 0.52            | 22        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  |    |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-16-01101-00001                     | 0.25                  | 1.42                         | 0.22              | 0.52            | 21        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01101-00002                     | 0.25                  | 1.42                         | 0.20              | 0.46            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01104-00001                     | 0.25                  | 1.42                         | 0.20              | 0.46            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-01110-00001                     | 0.27                  | 1.53                         | 0.20              | 0.46            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  |    |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-16-01099-00001                     | 0.26                  | 1.48                         | 0.51              | 0.64            | 37        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01099-00002                     | 0.26                  | 1.48                         | 0.46              | 0.57            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01102-00001                     | 0.26                  | 1.48                         | 0.46              | 0.57            | 34        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | Z3 |
|  |                                  | Full Divided Lite                                      | AND-N-16-01108-00001                     | 0.28                  | 1.59                         | 0.46              | 0.57            | 32        | < 0.2            | N          | -          | -     | -                      | Z1                       | Z2 | -  |
| <b>3.0 Annealed or 3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |    |    |
| 400 Series Specialty - Elliptical (w/ Capillary Breather Tubes)                    | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00873-00003                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00885-00001                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00897-00001                     | 0.32                  | 1.82                         | 0.28              | 0.47            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00874-00003                     | 0.31                  | 1.76                         | 0.18              | 0.26            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® Sun                      | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00886-00001                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00898-00001                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00875-00003                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 14        | < 0.2            | -          | NC         | SC    | S                      | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00887-00001                     | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  | Low-E4® SmartSun™                | Full Divided Lite                                      | AND-N-16-00899-00001                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 11        | < 0.2            | -          | -          | -     | S                      | -                        | -  |    |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-00872-00003                     | 0.31                  | 1.76                         | 0.45              | 0.52            | 27        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-00884-00001                     | 0.33                  | 1.87                         | 0.51              | 0.58            | 28        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  |                                  | Full Divided Lite                                      | AND-N-16-00896-00001                     | 0.33                  | 1.87                         | 0.45              | 0.52            | 25        | < 0.2            | -          | -          | -     | Z1                     | -                        | -  |    |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01100-00003                     | 0.25                  | 1.42                         | 0.27              | 0.46            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01106-00001                     | 0.27                  | 1.53                         | 0.30              | 0.52            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-16-01112-00001                     | 0.28                  | 1.59                         | 0.27              | 0.46            | 21        | < 0.2            | -          | NC         | -     | -                      | Z1                       | -  | -  |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-16-01101-00003                     | 0.25                  | 1.42                         | 0.18              | 0.41            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Finelight™ (grilles-between-the-glass)                 | AND-N-16-01107-00001                     | 0.26                  | 1.48                         | 0.20              | 0.46            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |
|  |                                  | Full Divided Lite                                      | AND-N-16-01113-00001                     | 0.27                  | 1.53                         | 0.18              | 0.41            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -  | -  |

| Andersen® Product Line & Product Type                           | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number |                       |                              |                   |                 | Canada ER | U.S. ENERGY STAR v 6.0 |       |            | Canada ENERGY STAR v 4.1 |       |        |        |        |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------------|-------|------------|--------------------------|-------|--------|--------|--------|
|   |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> |           | Air Infiltration       | North | N. Central | S. Central               | South | Zone 1 | Zone 2 | Zone 3 |
| 400 Series Specialty - Elliptical (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-01099-00003                     | 0.26                  | 1.48                         | 0.41              | 0.51            | 31        | < 0.2                  | N     | -          | -                        | -     | Z1     | Z2     | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-01105-00001                     | 0.27                  | 1.53                         | 0.46              | 0.57            | 33        | < 0.2                  | N     | -          | -                        | -     | Z1     | Z2     | -      |
|   |   | Full Divided Lite   | AND-N-16-01111-00001                     | 0.28                  | 1.59                         | 0.41              | 0.51            | 29        | < 0.2                  | N     | -          | -                        | -     | Z1     | Z2     | -      |
|   |   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                        |       |            |                          |       |        |        |        |
|   | Low-E4®   | No Grilles  | AND-N-16-00873-00004                     | 0.31                  | 1.76                         | 0.34              | 0.59            | 21        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00873-00005                     | 0.31                  | 1.76                         | 0.31              | 0.53            | 19        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00879-00002                     | 0.31                  | 1.76                         | 0.31              | 0.53            | 19        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   |   | Full Divided Lite   | AND-N-16-00891-00002                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   | Low-E4® Sun   | No Grilles  | AND-N-16-00874-00004                     | 0.31                  | 1.76                         | 0.21              | 0.33            | 13        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00874-00005                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00880-00002                     | 0.31                  | 1.76                         | 0.19              | 0.29            | 12        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   |   | Full Divided Lite   | AND-N-16-00892-00002                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 10        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-16-00875-00004                     | 0.30                  | 1.70                         | 0.23              | 0.53            | 16        | < 0.2                  | -     | NC         | SC                       | S     | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00875-00005                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2                  | -     | NC         | SC                       | S     | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00881-00002                     | 0.30                  | 1.70                         | 0.21              | 0.48            | 15        | < 0.2                  | -     | NC         | SC                       | S     | -      | -      | -      |
|   |   | Full Divided Lite   | AND-N-16-00893-00002                     | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   | Low-E4® PassiveSun®   | No Grilles  | AND-N-16-00872-00004                     | 0.31                  | 1.76                         | 0.53              | 0.65            | 32        | < 0.2                  | -     | -          | -                        | -     | Z1     | Z2     | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00872-00005                     | 0.31                  | 1.76                         | 0.48              | 0.58            | 29        | < 0.2                  | -     | -          | -                        | -     | Z1     | Z2     | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00878-00002                     | 0.31                  | 1.76                         | 0.48              | 0.58            | 29        | < 0.2                  | -     | -          | -                        | -     | Z1     | Z2     | -      |
|   |   | Full Divided Lite   | AND-N-16-00890-00002                     | 0.33                  | 1.87                         | 0.48              | 0.58            | 27        | < 0.2                  | -     | -          | -                        | -     | Z1     | -      | -      |
|   | 3.0 Annealed or 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                        |       |            |                          |       |        |        |        |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00873-00006                     | 0.31                  | 1.76                         | 0.28              | 0.47            | 17        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00885-00002                     | 0.32                  | 1.82                         | 0.31              | 0.53            | 18        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   |   | Full Divided Lite   | AND-N-16-00897-00002                     | 0.32                  | 1.82                         | 0.28              | 0.47            | 16        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00874-00006                     | 0.31                  | 1.76                         | 0.18              | 0.26            | 12        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00886-00002                     | 0.33                  | 1.87                         | 0.19              | 0.29            | 10        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   |   | Full Divided Lite   | AND-N-16-00898-00002                     | 0.32                  | 1.82                         | 0.18              | 0.26            | 10        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00875-00006                     | 0.30                  | 1.70                         | 0.19              | 0.42            | 14        | < 0.2                  | -     | NC         | SC                       | S     | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00887-00002                     | 0.32                  | 1.82                         | 0.21              | 0.48            | 12        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-16-00899-00002                     | 0.32                  | 1.82                         | 0.19              | 0.42            | 11        | < 0.2                  | -     | -          | -                        | S     | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable                              | AND-N-16-00872-00006                     | 0.31                  | 1.76                         | 0.43              | 0.52            | 26        | < 0.2                  | -     | -          | -                        | -     | Z1     | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)  | AND-N-16-00884-00002                     | 0.33                  | 1.87                         | 0.48              | 0.58            | 27        | < 0.2                  | -     | -          | -                        | -     | Z1     | -      | -      |
|   |   | Full Divided Lite   | AND-N-16-00896-00002                     | 0.33                  | 1.87                         | 0.43              | 0.52            | 24        | < 0.2                  | -     | -          | -                        | -     | -      | -      | -      |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |   |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|---|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |   |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Gliding Patio Door                          | Low-E4®                          | No Grilles   | AND-N-6-00981-00001                      | 0.30                  | 1.70                         | 0.26              | 0.44            | 16        | < 0.2            | N          | NC         | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00981-00002                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00987-00001                      | 0.32                  | 1.82                         | 0.23              | 0.38            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00999-00001                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® Sun                      | No Grilles   | AND-N-6-00982-00001                      | 0.31                  | 1.76                         | 0.16              | 0.25            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00982-00002                      | 0.31                  | 1.76                         | 0.14              | 0.21            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00988-00001                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01000-00001                      | 0.31                  | 1.76                         | 0.14              | 0.21            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-6-00983-00001                      | 0.30                  | 1.70                         | 0.18              | 0.40            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00983-00002                      | 0.30                  | 1.70                         | 0.15              | 0.34            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00989-00001                      | 0.31                  | 1.76                         | 0.15              | 0.34            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01001-00001                      | 0.30                  | 1.70                         | 0.15              | 0.34            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-6-00980-00001                      | 0.31                  | 1.76                         | 0.43              | 0.49            | 25        | < 0.2            | -          | -          | -     | -                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00980-00002                      | 0.31                  | 1.76                         | 0.37              | 0.42            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00986-00001                      | 0.32                  | 1.82                         | 0.37              | 0.42            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00998-00001                      | 0.31                  | 1.76                         | 0.37              | 0.42            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-6-01058-00001                      | 0.27                  | 1.53                         | 0.26              | 0.43            | 20        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01058-00002                      | 0.27                  | 1.53                         | 0.22              | 0.37            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-01061-00001                      | 0.29                  | 1.65                         | 0.22              | 0.37            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01067-00001                      | 0.27                  | 1.53                         | 0.22              | 0.37            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-6-01059-00001                      | 0.26                  | 1.48                         | 0.17              | 0.39            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01059-00002                      | 0.26                  | 1.48                         | 0.15              | 0.33            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-01062-00001                      | 0.29                  | 1.65                         | 0.15              | 0.33            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01068-00001                      | 0.26                  | 1.48                         | 0.15              | 0.33            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-6-01057-00001                      | 0.27                  | 1.53                         | 0.39              | 0.48            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01057-00002                      | 0.27                  | 1.53                         | 0.34              | 0.41            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-01060-00001                      | 0.30                  | 1.70                         | 0.34              | 0.41            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01066-00001                      | 0.27                  | 1.53                         | 0.34              | 0.41            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Gliding Patio Door                          | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00981-00003                      | 0.30                  | 1.70                         | 0.20              | 0.32            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00993-00001                      | 0.31                  | 1.76                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01005-00001                      | 0.32                  | 1.82                         | 0.23              | 0.38            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00982-00003                      | 0.31                  | 1.76                         | 0.13              | 0.18            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-6-00994-00001                      | 0.32                  | 1.82                         | 0.13              | 0.18            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01006-00001                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00983-00003                      | 0.30                  | 1.70                         | 0.14              | 0.29            | 9         | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00995-00001                      | 0.31                  | 1.76                         | 0.14              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01007-00001                      | 0.31                  | 1.76                         | 0.15              | 0.34            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00980-00003                      | 0.31                  | 1.76                         | 0.32              | 0.36            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-00992-00001                      | 0.32                  | 1.82                         | 0.32              | 0.36            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01004-00001                      | 0.32                  | 1.82                         | 0.37              | 0.42            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01058-00003                      | 0.27                  | 1.53                         | 0.20              | 0.32            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-6-01064-00001                      | 0.29                  | 1.65                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01070-00001                      | 0.28                  | 1.59                         | 0.22              | 0.37            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01059-00003                      | 0.26                  | 1.48                         | 0.13              | 0.28            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-6-01065-00001                      | 0.29                  | 1.65                         | 0.13              | 0.28            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01071-00001                      | 0.28                  | 1.59                         | 0.15              | 0.33            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |

| Andersen® Product Line & Product Type     | Andersen Glass Type                           | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |            |       |    |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|------------|-------|----|
|   |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER              | North | N. Central               | S. Central | South |    |
| 400 Series Frenchwood® Gliding Patio Door | Low-E4® PassiveSun® w/ Heatlock™              | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-01057-00003                      | 0.27                  | 1.53                         | 0.29              | 0.35            | 22                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Full Divided Lite   | AND-N-6-01063-00001                      | 0.30                  | 1.70                         | 0.29              | 0.35            | 18                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-01069-00001                      | 0.28                  | 1.59                         | 0.34              | 0.41            | 23                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|   |   | No Grilles  | AND-N-6-00951-00001                      | 0.30                  | 1.70                         | 0.26              | 0.44            | 16                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00951-00002                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14                     | < 0.2 | N                        | NC         | SC    | S  |
|   | Low-E4® Sun                                   | Full Divided Lite   | AND-N-6-00957-00001                      | 0.31                  | 1.76                         | 0.23              | 0.38            | 13                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00969-00001                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | No Grilles  | AND-N-6-00952-00001                      | 0.30                  | 1.70                         | 0.16              | 0.24            | 10                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00952-00002                      | 0.30                  | 1.70                         | 0.14              | 0.21            | 9                      | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-00958-00001                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7                      | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00970-00001                      | 0.30                  | 1.70                         | 0.14              | 0.21            | 9                      | < 0.2 | N                        | NC         | SC    | S  |
|   | Low-E4® SmartSun™                             | No Grilles  | AND-N-6-00953-00001                      | 0.30                  | 1.70                         | 0.18              | 0.39            | 12                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00953-00002                      | 0.30                  | 1.70                         | 0.16              | 0.34            | 10                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-00959-00001                      | 0.31                  | 1.76                         | 0.16              | 0.34            | 9                      | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00971-00001                      | 0.30                  | 1.70                         | 0.16              | 0.34            | 10                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | No Grilles  | AND-N-6-00950-00001                      | 0.31                  | 1.76                         | 0.42              | 0.48            | 24                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00950-00002                      | 0.31                  | 1.76                         | 0.36              | 0.42            | 21                     | < 0.2 | -                        | -          | -     | -  |
|   | Low-E4® PassiveSun®                           | Full Divided Lite   | AND-N-6-00956-00001                      | 0.32                  | 1.82                         | 0.36              | 0.42            | 19                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00968-00001                      | 0.31                  | 1.76                         | 0.36              | 0.42            | 21                     | < 0.2 | -                        | -          | -     | -  |
|   |   | No Grilles  | AND-N-6-00950-00001                      | 0.31                  | 1.76                         | 0.42              | 0.48            | 24                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00950-00002                      | 0.31                  | 1.76                         | 0.36              | 0.42            | 21                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Full Divided Lite   | AND-N-6-01076-00001                      | 0.32                  | 1.82                         | 0.36              | 0.42            | 19                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-01082-00001                      | 0.27                  | 1.53                         | 0.22              | 0.37            | 18                     | < 0.2 | N                        | NC         | SC    | S  |
|   | Low-E4® w/ Heatlock™                          | No Grilles  | AND-N-6-01074-00001                      | 0.26                  | 1.48                         | 0.17              | 0.39            | 16                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-01074-00002                      | 0.26                  | 1.48                         | 0.15              | 0.33            | 15                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-01077-00001                      | 0.29                  | 1.65                         | 0.15              | 0.33            | 11                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-01083-00001                      | 0.26                  | 1.48                         | 0.15              | 0.33            | 15                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | No Grilles  | AND-N-6-01072-00001                      | 0.27                  | 1.53                         | 0.38              | 0.47            | 27                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-01072-00002                      | 0.27                  | 1.53                         | 0.33              | 0.41            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|   | Low-E4® SmartSun™                             | Full Divided Lite   | AND-N-6-01075-00001                      | 0.30                  | 1.70                         | 0.33              | 0.41            | 20                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-01081-00001                      | 0.27                  | 1.53                         | 0.33              | 0.41            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | No Grilles  | AND-N-6-01072-00001                      | 0.27                  | 1.53                         | 0.38              | 0.47            | 27                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-01072-00002                      | 0.27                  | 1.53                         | 0.33              | 0.41            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|   |   | Full Divided Lite   | AND-N-6-01075-00001                      | 0.30                  | 1.70                         | 0.33              | 0.41            | 20                     | < 0.2 | N                        | NC         | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-01081-00001                      | 0.27                  | 1.53                         | 0.33              | 0.41            | 24                     | < 0.2 | N                        | NC         | -     | Z1 |
|   | 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |                        |       |                          |            |       |    |
|   | Low-E4® Low-E4®                               | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00951-00003                      | 0.30                  | 1.70                         | 0.20              | 0.32            | 13                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-00963-00001                      | 0.31                  | 1.76                         | 0.20              | 0.32            | 11                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00975-00001                      | 0.32                  | 1.82                         | 0.23              | 0.38            | 12                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00952-00003                      | 0.30                  | 1.70                         | 0.12              | 0.17            | 8                      | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-00964-00001                      | 0.31                  | 1.76                         | 0.12              | 0.17            | 7                      | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00976-00001                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7                      | < 0.2 | -                        | -          | -     | -  |
|   | Low-E4® Sun                                   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00953-00003                      | 0.30                  | 1.70                         | 0.14              | 0.29            | 9                      | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-00965-00001                      | 0.31                  | 1.76                         | 0.14              | 0.29            | 8                      | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00977-00001                      | 0.31                  | 1.76                         | 0.16              | 0.34            | 9                      | < 0.2 | -                        | -          | -     | -  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00950-00003                      | 0.31                  | 1.76                         | 0.31              | 0.35            | 18                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Full Divided Lite   | AND-N-6-00962-00001                      | 0.32                  | 1.82                         | 0.31              | 0.35            | 16                     | < 0.2 | -                        | -          | -     | -  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00974-00001                      | 0.32                  | 1.82                         | 0.36              | 0.42            | 19                     | < 0.2 | -                        | -          | -     | -  |
|   | Low-E4® w/ Heatlock™                          | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-01073-00003                      | 0.27                  | 1.53                         | 0.19              | 0.31            | 16                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-01079-00001                      | 0.29                  | 1.65                         | 0.19              | 0.31            | 13                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-01085-00001                      | 0.28                  | 1.59                         | 0.22              | 0.37            | 16                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | No Grilles  | AND-N-6-01073-00003                      | 0.27                  | 1.53                         | 0.19              | 0.31            | 16                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-01079-00001                      | 0.29                  | 1.65                         | 0.19              | 0.31            | 13                     | < 0.2 | N                        | NC         | SC    | S  |
|   |   | Full Divided Lite   | AND-N-6-01085-00001                      | 0.28                  | 1.59                         | 0.22              | 0.37            | 16                     | < 0.2 | N                        | NC         | SC    | S  |

| Andersen® Product Line & Product Type     | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Frenchwood® Gliding Patio Door | Low-E4® SmartSun™ w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01074-00003                      | 0.26                  | 1.48                         | 0.13              | 0.28            | 14        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-01080-00001                      | 0.29                  | 1.65                         | 0.13              | 0.28            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01086-00001                      | 0.28                  | 1.59                         | 0.15              | 0.33            | 12        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-01072-00003                      | 0.27                  | 1.53                         | 0.28              | 0.34            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1     | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-01078-00001                      | 0.30                  | 1.70                         | 0.28              | 0.34            | 17        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01084-00001                      | 0.29                  | 1.65                         | 0.33              | 0.41            | 21        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-6-00981-00004                      | 0.30                  | 1.70                         | 0.26              | 0.44            | 16        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00981-00005                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00987-00002                      | 0.32                  | 1.82                         | 0.23              | 0.38            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00999-00002                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-6-00982-00004                      | 0.31                  | 1.76                         | 0.16              | 0.25            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00982-00005                      | 0.31                  | 1.76                         | 0.14              | 0.21            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00988-00002                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01000-00002                      | 0.31                  | 1.76                         | 0.14              | 0.21            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-6-00983-00004                      | 0.30                  | 1.70                         | 0.18              | 0.40            | 12        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00983-00005                      | 0.30                  | 1.70                         | 0.15              | 0.34            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00989-00002                      | 0.31                  | 1.76                         | 0.15              | 0.34            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01001-00002                      | 0.30                  | 1.70                         | 0.15              | 0.34            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-6-00980-00010                      | 0.31                  | 1.76                         | 0.40              | 0.49            | 23        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00980-00011                      | 0.31                  | 1.76                         | 0.35              | 0.42            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00986-00004                      | 0.32                  | 1.82                         | 0.35              | 0.42            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00998-00004                      | 0.31                  | 1.76                         | 0.35              | 0.42            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00981-00006                      | 0.30                  | 1.70                         | 0.20              | 0.32            | 13        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00993-00002                      | 0.31                  | 1.76                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01005-00002                      | 0.32                  | 1.82                         | 0.23              | 0.38            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00982-00006                      | 0.31                  | 1.76                         | 0.13              | 0.18            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | Full Divided Lite                                      | AND-N-6-00994-00002                      | 0.32                  | 1.82                         | 0.13              | 0.18            | 6         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01006-00002                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00983-00006                      | 0.30                  | 1.70                         | 0.14              | 0.29            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00995-00002                      | 0.31                  | 1.76                         | 0.14              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01007-00002                      | 0.31                  | 1.76                         | 0.15              | 0.34            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00980-00012                      | 0.31                  | 1.76                         | 0.30              | 0.36            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00992-00004                      | 0.32                  | 1.82                         | 0.30              | 0.36            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-01004-00004                      | 0.32                  | 1.82                         | 0.35              | 0.42            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-6-00951-00004                      | 0.30                  | 1.70                         | 0.26              | 0.44            | 16        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00951-00005                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00957-00002                      | 0.31                  | 1.76                         | 0.23              | 0.38            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00969-00002                      | 0.30                  | 1.70                         | 0.23              | 0.38            | 14        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-6-00952-00004                      | 0.30                  | 1.70                         | 0.16              | 0.24            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00952-00005                      | 0.30                  | 1.70                         | 0.14              | 0.21            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00958-00002                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00970-00002                      | 0.30                  | 1.70                         | 0.14              | 0.21            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-6-00953-00004                      | 0.30                  | 1.70                         | 0.18              | 0.39            | 12        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00953-00005                      | 0.30                  | 1.70                         | 0.16              | 0.34            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00959-00002                      | 0.31                  | 1.76                         | 0.16              | 0.34            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00971-00002                      | 0.30                  | 1.70                         | 0.16              | 0.34            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |

| Andersen® Product Line & Product Type     | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Frenchwood® Gliding Patio Door | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-6-00950-00010                      | 0.31                  | 1.76                         | 0.39              | 0.48            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00950-00011                      | 0.31                  | 1.76                         | 0.34              | 0.42            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00956-00004                      | 0.32                  | 1.82                         | 0.34              | 0.42            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00968-00004                      | 0.31                  | 1.76                         | 0.34              | 0.42            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00951-00006                      | 0.30                  | 1.70                         | 0.20              | 0.32            | 13        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00963-00002                      | 0.31                  | 1.76                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00975-00002                      | 0.32                  | 1.82                         | 0.23              | 0.38            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00952-00006                      | 0.30                  | 1.70                         | 0.12              | 0.17            | 8         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00964-00002                      | 0.31                  | 1.76                         | 0.12              | 0.17            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00976-00002                      | 0.32                  | 1.82                         | 0.14              | 0.21            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00953-00006                      | 0.30                  | 1.70                         | 0.14              | 0.29            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00965-00002                      | 0.31                  | 1.76                         | 0.14              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00977-00002                      | 0.31                  | 1.76                         | 0.16              | 0.34            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00950-00012                      | 0.31                  | 1.76                         | 0.30              | 0.35            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00962-00004                      | 0.32                  | 1.82                         | 0.30              | 0.35            | 16        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00974-00004                      | 0.32                  | 1.82                         | 0.34              | 0.42            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>      |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Frenchwood® Gliding Patio Door (w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-6-00819-00001                      | 0.33                  | 1.87                         | 0.26              | 0.44            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00819-00002                      | 0.33                  | 1.87                         | 0.23              | 0.38            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00825-00001                      | 0.35                  | 1.99                         | 0.23              | 0.38            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00837-00001                      | 0.33                  | 1.87                         | 0.23              | 0.38            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® Sun                      | No Grilles   | AND-N-6-00820-00001                      | 0.33                  | 1.87                         | 0.17              | 0.25            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00820-00002                      | 0.33                  | 1.87                         | 0.15              | 0.21            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00826-00001                      | 0.35                  | 1.99                         | 0.15              | 0.21            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00838-00001                      | 0.33                  | 1.87                         | 0.15              | 0.21            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-6-00821-00001                      | 0.33                  | 1.87                         | 0.18              | 0.40            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00821-00002                      | 0.33                  | 1.87                         | 0.16              | 0.34            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00827-00001                      | 0.34                  | 1.93                         | 0.16              | 0.34            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00839-00001                      | 0.33                  | 1.87                         | 0.16              | 0.34            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-6-00818-00001                      | 0.33                  | 1.87                         | 0.43              | 0.49            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00818-00002                      | 0.33                  | 1.87                         | 0.37              | 0.42            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00824-00001                      | 0.35                  | 1.99                         | 0.37              | 0.42            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00836-00001                      | 0.33                  | 1.87                         | 0.37              | 0.42            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-6-00896-00001                      | 0.29                  | 1.65                         | 0.26              | 0.43            | 17        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00896-00002                      | 0.29                  | 1.65                         | 0.23              | 0.37            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00899-00001                      | 0.31                  | 1.76                         | 0.23              | 0.37            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00905-00001                      | 0.29                  | 1.65                         | 0.23              | 0.37            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-6-00897-00001                      | 0.28                  | 1.59                         | 0.17              | 0.39            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00897-00002                      | 0.28                  | 1.59                         | 0.15              | 0.33            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00900-00001                      | 0.31                  | 1.76                         | 0.15              | 0.33            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00906-00001                      | 0.28                  | 1.59                         | 0.15              | 0.33            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-6-00895-00001                      | 0.29                  | 1.65                         | 0.39              | 0.48            | 25        | < 0.2            | N          | NC         | -     | Z1                     | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00895-00002                      | 0.29                  | 1.65                         | 0.34              | 0.41            | 22        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00898-00001                      | 0.32                  | 1.82                         | 0.34              | 0.41            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00904-00001                      | 0.29                  | 1.65                         | 0.34              | 0.41            | 22        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                    |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Frenchwood® Gliding Patio Door (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00819-00003                      | 0.33                  | 1.87                         | 0.20              | 0.32            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00831-00001                      | 0.34                  | 1.93                         | 0.20              | 0.32            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00843-00001                      | 0.35                  | 1.99                         | 0.23              | 0.38            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00820-00003                      | 0.33                  | 1.87                         | 0.13              | 0.18            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00832-00001                      | 0.34                  | 1.93                         | 0.13              | 0.18            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00844-00001                      | 0.35                  | 1.99                         | 0.15              | 0.21            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00821-00003                      | 0.33                  | 1.87                         | 0.14              | 0.29            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00833-00001                      | 0.34                  | 1.93                         | 0.14              | 0.29            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00845-00001                      | 0.34                  | 1.93                         | 0.16              | 0.34            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00818-00003                      | 0.33                  | 1.87                         | 0.32              | 0.36            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00830-00001                      | 0.35                  | 1.99                         | 0.32              | 0.36            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00842-00001                      | 0.35                  | 1.99                         | 0.37              | 0.42            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00896-00003                      | 0.29                  | 1.65                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00902-00001                      | 0.31                  | 1.76                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00908-00001                      | 0.30                  | 1.70                         | 0.23              | 0.37            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00897-00003                      | 0.28                  | 1.59                         | 0.13              | 0.28            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-6-00903-00001                      | 0.31                  | 1.76                         | 0.13              | 0.28            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00909-00001                      | 0.30                  | 1.70                         | 0.15              | 0.33            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type                           | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |            |       |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|------------|-------|---|
|   |   |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER              | North | N. Central               | S. Central | South |   |
| 400 Series Frenchwood® Gliding Patio Door (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™              | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00895-00003                      | 0.29                  | 1.65                         | 0.29              | 0.35            | 19                     | < 0.2 | N                        | NC         | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00901-00001                      | 0.32                  | 1.82                         | 0.29              | 0.35            | 15                     | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00907-00001                      | 0.30                  | 1.70                         | 0.34              | 0.41            | 21                     | < 0.2 | N                        | NC         | -     | - |
|   |   | 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |                        |       |                          |            |       |   |
|   | Low-E4®                                       | No Grilles  | AND-N-6-00789-00001                      | 0.33                  | 1.87                         | 0.26              | 0.44            | 12                     | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00789-00002                      | 0.33                  | 1.87                         | 0.23              | 0.38            | 11                     | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00795-00001                      | 0.34                  | 1.93                         | 0.23              | 0.38            | 9                      | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00807-00001                      | 0.33                  | 1.87                         | 0.23              | 0.38            | 11                     | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® Sun                                   | No Grilles  | AND-N-6-00790-00001                      | 0.33                  | 1.87                         | 0.17              | 0.24            | 7                      | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00790-00002                      | 0.33                  | 1.87                         | 0.15              | 0.21            | 6                      | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00796-00001                      | 0.35                  | 1.99                         | 0.15              | 0.21            | 4                      | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00808-00001                      | 0.33                  | 1.87                         | 0.15              | 0.21            | 6                      | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® SmartSun™                             | No Grilles  | AND-N-6-00791-00001                      | 0.33                  | 1.87                         | 0.18              | 0.39            | 8                      | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00791-00002                      | 0.33                  | 1.87                         | 0.16              | 0.34            | 7                      | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00797-00001                      | 0.34                  | 1.93                         | 0.16              | 0.34            | 5                      | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00809-00001                      | 0.33                  | 1.87                         | 0.16              | 0.34            | 7                      | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® PassiveSun®                           | No Grilles  | AND-N-6-00788-00001                      | 0.34                  | 1.93                         | 0.42              | 0.48            | 20                     | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00788-00002                      | 0.34                  | 1.93                         | 0.36              | 0.42            | 17                     | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00794-00001                      | 0.35                  | 1.99                         | 0.36              | 0.42            | 16                     | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00806-00001                      | 0.34                  | 1.93                         | 0.36              | 0.42            | 17                     | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® w/ Heatlock™                          | No Grilles  | AND-N-6-00911-00001                      | 0.29                  | 1.65                         | 0.25              | 0.43            | 17                     | < 0.2 | N                        | NC         | SC    | S |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00911-00002                      | 0.29                  | 1.65                         | 0.22              | 0.37            | 15                     | < 0.2 | N                        | NC         | SC    | S |
|   |   | Full Divided Lite   | AND-N-6-00914-00001                      | 0.32                  | 1.82                         | 0.22              | 0.37            | 11                     | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00920-00001                      | 0.29                  | 1.65                         | 0.22              | 0.37            | 15                     | < 0.2 | N                        | NC         | SC    | S |
|   | Low-E4® SmartSun™ w/ Heatlock™                | No Grilles  | AND-N-6-00912-00001                      | 0.29                  | 1.65                         | 0.17              | 0.39            | 12                     | < 0.2 | N                        | NC         | SC    | S |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00912-00002                      | 0.29                  | 1.65                         | 0.15              | 0.33            | 11                     | < 0.2 | N                        | NC         | SC    | S |
|   |   | Full Divided Lite   | AND-N-6-00915-00001                      | 0.31                  | 1.76                         | 0.15              | 0.33            | 9                      | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00921-00001                      | 0.29                  | 1.65                         | 0.15              | 0.33            | 11                     | < 0.2 | N                        | NC         | SC    | S |
|   | Low-E4® PassiveSun® w/ Heatlock™              | No Grilles  | AND-N-6-00910-00001                      | 0.29                  | 1.65                         | 0.38              | 0.47            | 24                     | < 0.2 | N                        | NC         | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00910-00002                      | 0.29                  | 1.65                         | 0.33              | 0.41            | 21                     | < 0.2 | N                        | NC         | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00913-00001                      | 0.32                  | 1.82                         | 0.33              | 0.41            | 18                     | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00919-00001                      | 0.29                  | 1.65                         | 0.33              | 0.41            | 21                     | < 0.2 | N                        | NC         | -     | - |
|   | 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |                        |       |                          |            |       |   |
|   | Low-E4®                                       | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00789-00003                      | 0.33                  | 1.87                         | 0.20              | 0.32            | 9                      | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00801-00001                      | 0.34                  | 1.93                         | 0.20              | 0.32            | 8                      | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00813-00001                      | 0.35                  | 1.99                         | 0.23              | 0.38            | 8                      | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00790-00003                      | 0.33                  | 1.87                         | 0.13              | 0.17            | 5                      | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® Sun                                   | Full Divided Lite   | AND-N-6-00802-00001                      | 0.34                  | 1.93                         | 0.13              | 0.17            | 4                      | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00814-00001                      | 0.35                  | 1.99                         | 0.15              | 0.21            | 4                      | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00791-00003                      | 0.33                  | 1.87                         | 0.14              | 0.29            | 6                      | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00803-00001                      | 0.34                  | 1.93                         | 0.14              | 0.29            | 4                      | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® SmartSun™                             | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00815-00001                      | 0.35                  | 1.99                         | 0.16              | 0.34            | 4                      | < 0.2 | -                        | -          | -     | - |
|   |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00788-00003                      | 0.34                  | 1.93                         | 0.31              | 0.35            | 14                     | < 0.2 | -                        | -          | -     | - |
|   |   | Full Divided Lite   | AND-N-6-00800-00001                      | 0.35                  | 1.99                         | 0.31              | 0.35            | 13                     | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00812-00001                      | 0.36                  | 2.04                         | 0.36              | 0.42            | 15                     | < 0.2 | -                        | -          | -     | - |
|   | Low-E4® w/ Heatlock™                          | Simulated Divided Lite or Installed Interior Removable      | AND-N-6-00911-00003                      | 0.29                  | 1.65                         | 0.19              | 0.31            | 13                     | < 0.2 | N                        | NC         | SC    | S |
|   |   | Full Divided Lite   | AND-N-6-00917-00001                      | 0.32                  | 1.82                         | 0.19              | 0.31            | 10                     | < 0.2 | -                        | -          | -     | - |
|   |   | Finelight™ (grilles-between-the-glass)                      | AND-N-6-00923-00001                      | 0.31                  | 1.76                         | 0.22              | 0.37            | 13                     | < 0.2 | -                        | -          | -     | - |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Frenchwood® Gliding Patio Door (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00912-00003                      | 0.29                  | 1.65                         | 0.14              | 0.28            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00918-00001                      | 0.31                  | 1.76                         | 0.14              | 0.28            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00924-00001                      | 0.30                  | 1.70                         | 0.15              | 0.33            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00910-00003                      | 0.29                  | 1.65                         | 0.28              | 0.34            | 18        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00916-00001                      | 0.32                  | 1.82                         | 0.28              | 0.34            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00922-00001                      | 0.31                  | 1.76                         | 0.33              | 0.41            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-6-00819-00004                      | 0.33                  | 1.87                         | 0.26              | 0.44            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00819-00005                      | 0.33                  | 1.87                         | 0.23              | 0.38            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00825-00002                      | 0.35                  | 1.99                         | 0.23              | 0.38            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00837-00002                      | 0.33                  | 1.87                         | 0.23              | 0.38            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-6-00820-00004                      | 0.33                  | 1.87                         | 0.17              | 0.25            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00820-00005                      | 0.33                  | 1.87                         | 0.15              | 0.21            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00826-00002                      | 0.35                  | 1.99                         | 0.15              | 0.21            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00838-00002                      | 0.33                  | 1.87                         | 0.15              | 0.21            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-6-00821-00004                      | 0.33                  | 1.87                         | 0.18              | 0.40            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00821-00005                      | 0.33                  | 1.87                         | 0.16              | 0.34            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00827-00002                      | 0.34                  | 1.93                         | 0.16              | 0.34            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00839-00002                      | 0.33                  | 1.87                         | 0.16              | 0.34            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-6-00818-00010                      | 0.33                  | 1.87                         | 0.40              | 0.49            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00818-00011                      | 0.33                  | 1.87                         | 0.35              | 0.42            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00824-00004                      | 0.35                  | 1.99                         | 0.35              | 0.42            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00836-00004                      | 0.33                  | 1.87                         | 0.35              | 0.42            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
| 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater                   |   |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| Low-E4®   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00819-00006                                    | 0.33                                     | 1.87                  | 0.20                         | 0.32              | 9               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-6-00831-00002                                    | 0.34                                     | 1.93                  | 0.20                         | 0.32              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00843-00002                                    | 0.35                                     | 1.99                  | 0.23                         | 0.38              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00820-00006                                    | 0.33                                     | 1.87                  | 0.13                         | 0.18              | 5               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® Sun   | Full Divided Lite   | AND-N-6-00832-00002                                    | 0.34                                     | 1.93                  | 0.13                         | 0.18              | 4               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00844-00002                                    | 0.35                                     | 1.99                  | 0.15                         | 0.21              | 4               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00821-00006                                    | 0.33                                     | 1.87                  | 0.14                         | 0.29              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-6-00833-00002                                    | 0.34                                     | 1.93                  | 0.14                         | 0.29              | 4               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00845-00002                                    | 0.34                                     | 1.93                  | 0.16                         | 0.34              | 5               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00818-00012                                    | 0.33                                     | 1.87                  | 0.30                         | 0.36              | 15              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-6-00830-00004                                    | 0.35                                     | 1.99                  | 0.30                         | 0.36              | 12              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00842-00004                                    | 0.35                                     | 1.99                  | 0.35                         | 0.42              | 15              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| Low-E4®   | No Grilles  | AND-N-6-00789-00004                                    | 0.33                                     | 1.87                  | 0.26                         | 0.44              | 12              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00789-00005                                    | 0.33                                     | 1.87                  | 0.23                         | 0.38              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-6-00795-00002                                    | 0.34                                     | 1.93                  | 0.23                         | 0.38              | 9               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00807-00002                                    | 0.33                                     | 1.87                  | 0.23                         | 0.38              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® Sun   | No Grilles  | AND-N-6-00790-00004                                    | 0.33                                     | 1.87                  | 0.17                         | 0.24              | 7               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00790-00005                                    | 0.33                                     | 1.87                  | 0.15                         | 0.21              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-6-00796-00002                                    | 0.35                                     | 1.99                  | 0.15                         | 0.21              | 4               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00808-00002                                    | 0.33                                     | 1.87                  | 0.15                         | 0.21              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® SmartSun™   | No Grilles  | AND-N-6-00791-00004                                    | 0.33                                     | 1.87                  | 0.18                         | 0.39              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-6-00791-00005                                    | 0.33                                     | 1.87                  | 0.16                         | 0.34              | 7               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-6-00797-00002                                    | 0.34                                     | 1.93                  | 0.16                         | 0.34              | 5               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-6-00809-00002                                    | 0.33                                     | 1.87                  | 0.16                         | 0.34              | 7               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Frenchwood® Gliding Patio Door (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-6-00788-00010                      | 0.34                  | 1.93                         | 0.39              | 0.48            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00788-00011                      | 0.34                  | 1.93                         | 0.34              | 0.42            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00794-00004                      | 0.35                  | 1.99                         | 0.34              | 0.42            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00806-00004                      | 0.34                  | 1.93                         | 0.34              | 0.42            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00789-00006                      | 0.33                  | 1.87                         | 0.20              | 0.32            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00801-00002                      | 0.34                  | 1.93                         | 0.20              | 0.32            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00813-00002                      | 0.35                  | 1.99                         | 0.23              | 0.38            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00790-00006                      | 0.33                  | 1.87                         | 0.13              | 0.17            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00802-00002                      | 0.34                  | 1.93                         | 0.13              | 0.17            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00814-00002                      | 0.35                  | 1.99                         | 0.15              | 0.21            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00791-00006                      | 0.33                  | 1.87                         | 0.14              | 0.29            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00803-00002                      | 0.34                  | 1.93                         | 0.14              | 0.29            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00815-00002                      | 0.35                  | 1.99                         | 0.16              | 0.34            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-6-00788-00012                      | 0.34                  | 1.93                         | 0.30              | 0.35            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-6-00800-00004                      | 0.35                  | 1.99                         | 0.30              | 0.35            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-6-00812-00004                      | 0.36                  | 2.04                         | 0.34              | 0.42            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |   |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|---|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |   |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Hinged Patio Door Inswing                   | Low-E4®                          | No Grilles   | AND-N-10-01051-00001                     | 0.30                  | 1.70                         | 0.24              | 0.41            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01051-00002                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01057-00001                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01069-00001                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® Sun                      | No Grilles   | AND-N-10-01052-00001                     | 0.30                  | 1.70                         | 0.15              | 0.23            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01052-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01058-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01070-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-10-01053-00001                     | 0.30                  | 1.70                         | 0.16              | 0.37            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01053-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01059-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01071-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-10-01050-00001                     | 0.31                  | 1.76                         | 0.40              | 0.45            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01050-00002                     | 0.31                  | 1.76                         | 0.34              | 0.38            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01056-00001                     | 0.32                  | 1.82                         | 0.34              | 0.38            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01068-00001                     | 0.31                  | 1.76                         | 0.34              | 0.38            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-10-01233-00001                     | 0.27                  | 1.53                         | 0.24              | 0.40            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01233-00002                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01236-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01242-00001                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-10-01234-00001                     | 0.27                  | 1.53                         | 0.16              | 0.36            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01234-00002                     | 0.27                  | 1.53                         | 0.14              | 0.31            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01237-00001                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01243-00001                     | 0.27                  | 1.53                         | 0.14              | 0.31            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-10-01232-00001                     | 0.27                  | 1.53                         | 0.36              | 0.44            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01232-00002                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01235-00001                     | 0.30                  | 1.70                         | 0.31              | 0.37            | 20        | < 0.2            | N          | NC         | -     | -                      | 1                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01241-00001                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Hinged Patio Door Inswing                   | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01051-00003                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01063-00001                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01075-00001                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01052-00003                     | 0.30                  | 1.70                         | 0.11              | 0.16            | 9         | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01064-00001                     | 0.31                  | 1.76                         | 0.11              | 0.16            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01076-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01053-00003                     | 0.30                  | 1.70                         | 0.12              | 0.26            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01065-00001                     | 0.31                  | 1.76                         | 0.12              | 0.26            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01077-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01050-00003                     | 0.31                  | 1.76                         | 0.29              | 0.32            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01062-00001                     | 0.32                  | 1.82                         | 0.29              | 0.32            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01074-00001                     | 0.32                  | 1.82                         | 0.34              | 0.38            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01233-00003                     | 0.27                  | 1.53                         | 0.18              | 0.29            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01239-00001                     | 0.29                  | 1.65                         | 0.18              | 0.29            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01245-00001                     | 0.28                  | 1.59                         | 0.21              | 0.34            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01234-00003                     | 0.27                  | 1.53                         | 0.12              | 0.26            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-10-01240-00001                     | 0.29                  | 1.65                         | 0.12              | 0.26            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01246-00001                     | 0.28                  | 1.59                         | 0.14              | 0.31            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |

| Andersen® Product Line & Product Type             | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |               |        |        |        |   |   |
|---|----------------------------------|---|--|-----------------------|------------------------------|-------------------|-----------------|------------------------|-------|--------------------------|---------------|--------|--------|--------|---|---|
|   |                                  |   |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER              | North | N. Central S.            | Central South | Zone 1 | Zone 2 | Zone 3 |   |   |
| 400 Series Frenchwood® Hinged Patio Door Inswing  | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01232-00003                     | 0.27                  | 1.53                         | 0.27              | 0.31            | 22                     | < 0.2 | N                        | NC            | -      | -      | Z1     | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01238-00001                     | 0.30                  | 1.70                         | 0.27              | 0.31            | 18                     | < 0.2 | N                        | NC            | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01244-00001                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 22                     | < 0.2 | N                        | NC            | -      | -      | -      | - | - |
|   |                                  | 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |                        |       |                          |               |        |        |        |   |   |
|   | Low-E4®                          | No Grilles  | AND-N-10-01021-00001                     | 0.30                  | 1.70                         | 0.24              | 0.40            | 16                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01021-00002                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01027-00001                     | 0.31                  | 1.76                         | 0.21              | 0.34            | 13                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01039-00001                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   | Low-E4® Sun                      | No Grilles  | AND-N-10-01022-00001                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 11                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01022-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01028-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7                      | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01040-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   | Low-E4® SmartSun™                | No Grilles  | AND-N-10-01023-00001                     | 0.30                  | 1.70                         | 0.16              | 0.36            | 12                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01023-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01029-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9                      | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01041-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   | Low-E4® PassiveSun®              | No Grilles  | AND-N-10-01020-00001                     | 0.31                  | 1.76                         | 0.38              | 0.45            | 23                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01020-00002                     | 0.31                  | 1.76                         | 0.33              | 0.38            | 20                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01026-00001                     | 0.32                  | 1.82                         | 0.33              | 0.38            | 19                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01038-00001                     | 0.31                  | 1.76                         | 0.33              | 0.38            | 20                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   | Low-E4® w/ Heatlock™             | No Grilles  | AND-N-10-01218-00001                     | 0.27                  | 1.53                         | 0.23              | 0.39            | 20                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01218-00002                     | 0.27                  | 1.53                         | 0.20              | 0.34            | 18                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01221-00001                     | 0.29                  | 1.65                         | 0.20              | 0.34            | 15                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01227-00001                     | 0.27                  | 1.53                         | 0.20              | 0.34            | 18                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles  | AND-N-10-01219-00001                     | 0.27                  | 1.53                         | 0.16              | 0.36            | 16                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01219-00002                     | 0.27                  | 1.53                         | 0.14              | 0.30            | 14                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01222-00001                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01228-00001                     | 0.27                  | 1.53                         | 0.14              | 0.30            | 14                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles  | AND-N-10-01217-00001                     | 0.27                  | 1.53                         | 0.35              | 0.43            | 27                     | < 0.2 | N                        | NC            | -      | -      | Z1     | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01217-00002                     | 0.27                  | 1.53                         | 0.30              | 0.37            | 24                     | < 0.2 | N                        | NC            | -      | -      | Z1     | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01220-00001                     | 0.30                  | 1.70                         | 0.30              | 0.37            | 20                     | < 0.2 | N                        | NC            | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01226-00001                     | 0.27                  | 1.53                         | 0.30              | 0.37            | 24                     | < 0.2 | N                        | NC            | -      | -      | Z1     | - | - |
| 3.9 Tempered Glass - w/ Grilles 1" or Greater     |                                  |   |  |                       |                              |                   |                 |                        |       |                          |               |        |        |        |   |   |
| 400 Series Frenchwood® Hinged Patio Door Outswing | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01021-00003                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01033-00001                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 12                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01045-00001                     | 0.32                  | 1.82                         | 0.21              | 0.34            | 12                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01022-00003                     | 0.30                  | 1.70                         | 0.11              | 0.16            | 9                      | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   | Low-E4® Sun                      | Full Divided Lite   | AND-N-10-01034-00001                     | 0.31                  | 1.76                         | 0.11              | 0.16            | 8                      | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01046-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7                      | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01023-00003                     | 0.30                  | 1.70                         | 0.12              | 0.26            | 10                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01035-00001                     | 0.31                  | 1.76                         | 0.12              | 0.26            | 8                      | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01047-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9                      | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01020-00003                     | 0.31                  | 1.76                         | 0.28              | 0.32            | 17                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01032-00001                     | 0.31                  | 1.76                         | 0.28              | 0.32            | 17                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01044-00001                     | 0.32                  | 1.82                         | 0.33              | 0.38            | 19                     | < 0.2 | -                        | -             | -      | -      | -      | - | - |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01218-00003                     | 0.27                  | 1.53                         | 0.18              | 0.28            | 17                     | < 0.2 | N                        | NC            | SC     | S      | Z1     | - | - |
|   |                                  | Full Divided Lite   | AND-N-10-01224-00001                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01230-00001                     | 0.29                  | 1.65                         | 0.20              | 0.34            | 15                     | < 0.2 | N                        | NC            | SC     | S      | -      | - | - |

| Andersen® Product Line & Product Type              | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |            | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |        |        |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|------------|------------------------|-------|--------------------------|--------|--------|---|
|  |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central             | South | Zone 1                   | Zone 2 | Zone 3 |   |
| 400 Series Frenchwood® Hinged Patio Door - Inswing | Low-E4® SmartSun™ w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01219-00003                     | 0.27                  | 1.53                         | 0.12              | 0.25            | 13        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01225-00001                     | 0.29                  | 1.65                         | 0.12              | 0.25            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01231-00001                     | 0.28                  | 1.59                         | 0.14              | 0.30            | 13        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01217-00003                     | 0.27                  | 1.53                         | 0.26              | 0.31            | 21        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01223-00001                     | 0.30                  | 1.70                         | 0.26              | 0.31            | 18        | < 0.2 | N          | NC                     | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01229-00001                     | 0.29                  | 1.65                         | 0.30              | 0.37            | 21        | < 0.2 | N          | NC                     | -     | -                        | -      | -      | - |
|  | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |   |
|  | Low-E4®   | No Grilles   | AND-N-10-01051-00004                     | 0.30                  | 1.70                         | 0.24              | 0.41            | 16        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01051-00005                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01057-00002                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01069-00002                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-10-01052-00004                     | 0.30                  | 1.70                         | 0.15              | 0.23            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01052-00005                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01058-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01070-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | No Grilles   | AND-N-10-01053-00004                     | 0.30                  | 1.70                         | 0.16              | 0.37            | 12        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01053-00005                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01059-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01071-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | No Grilles   | AND-N-10-01050-00004                     | 0.31                  | 1.76                         | 0.37              | 0.45            | 23        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01050-00005                     | 0.31                  | 1.76                         | 0.32              | 0.38            | 20        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01056-00002                     | 0.32                  | 1.82                         | 0.32              | 0.38            | 18        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01068-00002                     | 0.31                  | 1.76                         | 0.32              | 0.38            | 20        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | No Grilles   | AND-N-10-01050-00004                     | 0.31                  | 1.76                         | 0.37              | 0.45            | 23        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01051-00006                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01063-00002                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 12        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01075-00002                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01052-00006                     | 0.30                  | 1.70                         | 0.11              | 0.16            | 9         | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  | Low-E4® Sun   | Full Divided Lite                                      | AND-N-10-01064-00002                     | 0.31                  | 1.76                         | 0.11              | 0.16            | 8         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01076-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01053-00006                     | 0.30                  | 1.70                         | 0.12              | 0.26            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01065-00002                     | 0.31                  | 1.76                         | 0.12              | 0.26            | 8         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01077-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01050-00006                     | 0.31                  | 1.76                         | 0.27              | 0.32            | 17        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01062-00002                     | 0.32                  | 1.82                         | 0.27              | 0.32            | 16        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01074-00002                     | 0.32                  | 1.82                         | 0.32              | 0.38            | 18        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | No Grilles   | AND-N-10-01021-00004                     | 0.30                  | 1.70                         | 0.24              | 0.40            | 16        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |   |
|  | Low-E4®   | No Grilles   | AND-N-10-01021-00005                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01021-00006                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01027-00002                     | 0.31                  | 1.76                         | 0.21              | 0.34            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01039-00002                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-10-01022-00004                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01022-00005                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01028-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01040-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-10-01023-00004                     | 0.30                  | 1.70                         | 0.16              | 0.36            | 12        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01023-00005                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|  |   | Full Divided Lite                                      | AND-N-10-01029-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01041-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |

| Andersen® Product Line & Product Type              | Andersen Glass Type | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|--|---------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|  |                     |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Frenchwood® Hinged Patio Door - Inswing | Low-E4® PassiveSun® | No Grilles   | AND-N-10-01020-00004                     | 0.31                  | 1.76                         | 0.36              | 0.45            | 22        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01020-00005                     | 0.31                  | 1.76                         | 0.31              | 0.38            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Full Divided Lite                                      | AND-N-10-01026-00002                     | 0.32                  | 1.82                         | 0.31              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01038-00002                     | 0.31                  | 1.76                         | 0.31              | 0.38            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4®             | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|  |                     | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01021-00006                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|  |                     | Full Divided Lite                                      | AND-N-10-01033-00002                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01045-00002                     | 0.32                  | 1.82                         | 0.21              | 0.34            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  | Low-E4® Sun         | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01022-00006                     | 0.30                  | 1.70                         | 0.11              | 0.16            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|  |                     | Full Divided Lite                                      | AND-N-10-01034-00002                     | 0.31                  | 1.76                         | 0.11              | 0.16            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01046-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01023-00006                     | 0.30                  | 1.70                         | 0.12              | 0.26            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|  | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-10-01035-00002                     | 0.31                  | 1.76                         | 0.12              | 0.26            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01047-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01020-00006                     | 0.31                  | 1.76                         | 0.27              | 0.32            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Full Divided Lite                                      | AND-N-10-01032-00002                     | 0.31                  | 1.76                         | 0.27              | 0.32            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|  |                     | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01044-00002                     | 0.32                  | 1.82                         | 0.31              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Frenchwood® Hinged Patio Door · Inswing (w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-10-00919-00001                     | 0.33                  | 1.87                         | 0.24              | 0.41            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00919-00002                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00925-00001                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00937-00001                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | No Grilles   | AND-N-10-00920-00001                     | 0.33                  | 1.87                         | 0.15              | 0.23            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00920-00002                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00926-00001                     | 0.34                  | 1.93                         | 0.13              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00938-00001                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-10-00921-00001                     | 0.32                  | 1.82                         | 0.16              | 0.37            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00921-00002                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00927-00001                     | 0.34                  | 1.93                         | 0.14              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00939-00001                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-10-00918-00001                     | 0.33                  | 1.87                         | 0.39              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00918-00002                     | 0.33                  | 1.87                         | 0.34              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00924-00001                     | 0.35                  | 1.99                         | 0.34              | 0.38            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00936-00001                     | 0.33                  | 1.87                         | 0.34              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-10-01167-00001                     | 0.29                  | 1.65                         | 0.24              | 0.40            | 18        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01167-00002                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-01170-00001                     | 0.31                  | 1.76                         | 0.21              | 0.34            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01176-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-10-01168-00001                     | 0.28                  | 1.59                         | 0.16              | 0.36            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01168-00002                     | 0.28                  | 1.59                         | 0.14              | 0.31            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-01171-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01177-00001                     | 0.28                  | 1.59                         | 0.14              | 0.31            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-10-01166-00001                     | 0.29                  | 1.65                         | 0.36              | 0.44            | 24        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01166-00002                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 22        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-01169-00001                     | 0.32                  | 1.82                         | 0.31              | 0.37            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01175-00001                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 22        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                             |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Frenchwood® Hinged Patio Door · Inswing (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00919-00003                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00931-00001                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00943-00001                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00920-00003                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-10-00932-00001                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00944-00001                     | 0.34                  | 1.93                         | 0.13              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00921-00003                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00933-00001                     | 0.34                  | 1.93                         | 0.13              | 0.26            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00945-00001                     | 0.34                  | 1.93                         | 0.14              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00918-00003                     | 0.33                  | 1.87                         | 0.29              | 0.32            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-00930-00001                     | 0.34                  | 1.93                         | 0.29              | 0.32            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00942-00001                     | 0.35                  | 1.99                         | 0.34              | 0.38            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01167-00003                     | 0.29                  | 1.65                         | 0.18              | 0.29            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Full Divided Lite                                      | AND-N-10-01173-00001                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01179-00001                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01168-00003                     | 0.28                  | 1.59                         | 0.12              | 0.26            | 12        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-10-01174-00001                     | 0.31                  | 1.76                         | 0.12              | 0.26            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01180-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |

| Andersen® Product Line & Product Type  | Andersen Glass Type                           | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|--|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|  |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Frenchwood® Hinged Patio Door - Inswing (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™              | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01166-00003                     | 0.29                  | 1.65                         | 0.26              | 0.31            | 19        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-01172-00001                     | 0.32                  | 1.82                         | 0.26              | 0.31            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01178-00001                     | 0.30                  | 1.70                         | 0.31              | 0.37            | 20        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|  |   | 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  |   | No Grilles  | AND-N-10-00889-00001                     | 0.33                  | 1.87                         | 0.24              | 0.40            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00889-00002                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun                                   | Full Divided Lite   | AND-N-10-00895-00001                     | 0.34                  | 1.93                         | 0.21              | 0.34            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00907-00001                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | No Grilles  | AND-N-10-00890-00001                     | 0.33                  | 1.87                         | 0.15              | 0.22            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00890-00002                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00896-00001                     | 0.34                  | 1.93                         | 0.13              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00908-00001                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® SmartSun™                             | No Grilles  | AND-N-10-00891-00001                     | 0.32                  | 1.82                         | 0.17              | 0.36            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00891-00002                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00897-00001                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00909-00001                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | No Grilles  | AND-N-10-00888-00001                     | 0.33                  | 1.87                         | 0.38              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00888-00002                     | 0.33                  | 1.87                         | 0.33              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® PassiveSun®                           | Full Divided Lite   | AND-N-10-00894-00001                     | 0.35                  | 1.99                         | 0.33              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00906-00001                     | 0.33                  | 1.87                         | 0.33              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | No Grilles  | AND-N-10-00889-00001                     | 0.33                  | 1.87                         | 0.45              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00889-00002                     | 0.33                  | 1.87                         | 0.38              | 0.45            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00894-00001                     | 0.35                  | 1.99                         | 0.33              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00906-00001                     | 0.33                  | 1.87                         | 0.33              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® w/ Heatlock™                          | No Grilles  | AND-N-10-01152-00001                     | 0.29                  | 1.65                         | 0.23              | 0.39            | 17        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01152-00002                     | 0.29                  | 1.65                         | 0.20              | 0.34            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-01155-00001                     | 0.32                  | 1.82                         | 0.20              | 0.34            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01161-00001                     | 0.29                  | 1.65                         | 0.20              | 0.34            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | No Grilles  | AND-N-10-01153-00001                     | 0.29                  | 1.65                         | 0.16              | 0.36            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01153-00002                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  | Low-E4® SmartSun™ w/ Heatlock™                | Full Divided Lite   | AND-N-10-01156-00001                     | 0.31                  | 1.76                         | 0.14              | 0.30            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01162-00001                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | No Grilles  | AND-N-10-01151-00001                     | 0.29                  | 1.65                         | 0.35              | 0.43            | 24        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01151-00002                     | 0.29                  | 1.65                         | 0.30              | 0.37            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-01154-00001                     | 0.32                  | 1.82                         | 0.30              | 0.37            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01160-00001                     | 0.29                  | 1.65                         | 0.30              | 0.37            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|  | 3.9 Tempered Glass - w/ Grilles 1" or Greater |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  | Low-E4®                                       | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00889-00003                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00901-00001                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00913-00001                     | 0.35                  | 1.99                         | 0.21              | 0.34            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00890-00003                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00902-00001                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00914-00001                     | 0.35                  | 1.99                         | 0.13              | 0.19            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun                                   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00891-00003                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00903-00001                     | 0.33                  | 1.87                         | 0.13              | 0.26            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00915-00001                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-00888-00003                     | 0.33                  | 1.87                         | 0.28              | 0.32            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-00900-00001                     | 0.34                  | 1.93                         | 0.28              | 0.32            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-00912-00001                     | 0.35                  | 1.99                         | 0.33              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® PassiveSun®                           | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01152-00003                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Full Divided Lite   | AND-N-10-01158-00001                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01164-00001                     | 0.31                  | 1.76                         | 0.20              | 0.34            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | No Grilles  | AND-N-10-01152-00001                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable      | AND-N-10-01158-00001                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                      | AND-N-10-01164-00001                     | 0.31                  | 1.76                         | 0.20              | 0.34            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Frenchwood® Hinged Patio Door Inswing (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01153-00003                     | 0.29                  | 1.65                         | 0.12              | 0.25            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-01159-00001                     | 0.31                  | 1.76                         | 0.12              | 0.25            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01165-00001                     | 0.30                  | 1.70                         | 0.14              | 0.30            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-01151-00003                     | 0.29                  | 1.65                         | 0.26              | 0.31            | 19        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-01157-00001                     | 0.32                  | 1.82                         | 0.26              | 0.31            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-01163-00001                     | 0.31                  | 1.76                         | 0.30              | 0.37            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  | Low-E4®   | No Grilles   | AND-N-10-00919-00004                     | 0.33                  | 1.87                         | 0.24              | 0.41            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00919-00005                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00925-00002                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00937-00002                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-10-00920-00004                     | 0.33                  | 1.87                         | 0.15              | 0.23            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00920-00005                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00926-00002                     | 0.34                  | 1.93                         | 0.13              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00938-00002                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-10-00921-00004                     | 0.32                  | 1.82                         | 0.16              | 0.37            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00921-00005                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00927-00002                     | 0.34                  | 1.93                         | 0.14              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00939-00002                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® PassiveSun®   | No Grilles   | AND-N-10-00918-00004                     | 0.33                  | 1.87                         | 0.37              | 0.45            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00918-00005                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00924-00002                     | 0.35                  | 1.99                         | 0.32              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00936-00002                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00919-00006                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00931-00002                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00943-00002                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00920-00006                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun   | Full Divided Lite                                      | AND-N-10-00932-00002                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00944-00002                     | 0.34                  | 1.93                         | 0.13              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00921-00006                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00933-00002                     | 0.34                  | 1.93                         | 0.13              | 0.26            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00945-00002                     | 0.34                  | 1.93                         | 0.14              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00918-00006                     | 0.33                  | 1.87                         | 0.27              | 0.32            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00930-00002                     | 0.34                  | 1.93                         | 0.27              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00942-00002                     | 0.35                  | 1.99                         | 0.32              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  | Low-E4®   | No Grilles   | AND-N-10-00889-00004                     | 0.33                  | 1.87                         | 0.24              | 0.40            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00889-00005                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00895-00002                     | 0.34                  | 1.93                         | 0.21              | 0.34            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00907-00002                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun   | No Grilles   | AND-N-10-00890-00004                     | 0.33                  | 1.87                         | 0.15              | 0.22            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00890-00005                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00896-00002                     | 0.34                  | 1.93                         | 0.13              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00908-00002                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® SmartSun™   | No Grilles   | AND-N-10-00891-00004                     | 0.32                  | 1.82                         | 0.17              | 0.36            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00891-00005                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00897-00002                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00909-00002                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type  | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|--|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|  |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Frenchwood® Hinged Patio Door - Inswing (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-10-00888-00004                     | 0.33                  | 1.87                         | 0.36              | 0.45            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00888-00005                     | 0.33                  | 1.87                         | 0.31              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00894-00002                     | 0.35                  | 1.99                         | 0.31              | 0.38            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00906-00002                     | 0.33                  | 1.87                         | 0.31              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00889-00006                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00901-00002                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00913-00002                     | 0.35                  | 1.99                         | 0.21              | 0.34            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00890-00006                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00902-00002                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00914-00002                     | 0.35                  | 1.99                         | 0.13              | 0.19            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00891-00006                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00903-00002                     | 0.33                  | 1.87                         | 0.13              | 0.26            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00915-00002                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-10-00888-00006                     | 0.33                  | 1.87                         | 0.27              | 0.32            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Full Divided Lite                                      | AND-N-10-00900-00002                     | 0.34                  | 1.93                         | 0.27              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-10-00912-00002                     | 0.35                  | 1.99                         | 0.31              | 0.38            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | - |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |   |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|---|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |   |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Hinged Patio Door Outswing                  | Low-E4®                          | No Grilles   | AND-N-55-01031-00001                     | 0.30                  | 1.70                         | 0.24              | 0.41            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01031-00002                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01037-00001                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01049-00001                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® Sun                      | No Grilles   | AND-N-55-01032-00001                     | 0.30                  | 1.70                         | 0.15              | 0.23            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01032-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01038-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01050-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-55-01033-00001                     | 0.30                  | 1.70                         | 0.16              | 0.37            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01033-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01039-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01051-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-55-01030-00001                     | 0.31                  | 1.76                         | 0.40              | 0.45            | 24        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01030-00002                     | 0.31                  | 1.76                         | 0.34              | 0.38            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01036-00001                     | 0.32                  | 1.82                         | 0.34              | 0.38            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01048-00001                     | 0.31                  | 1.76                         | 0.34              | 0.38            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-55-01213-00001                     | 0.27                  | 1.53                         | 0.24              | 0.40            | 20        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01213-00002                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01216-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01222-00001                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-55-01214-00001                     | 0.27                  | 1.53                         | 0.16              | 0.36            | 15        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01214-00002                     | 0.27                  | 1.53                         | 0.14              | 0.31            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01217-00001                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01223-00001                     | 0.27                  | 1.53                         | 0.14              | 0.31            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® PassiveSun™ w/ Heatlock™ | No Grilles   | AND-N-55-01212-00001                     | 0.27                  | 1.53                         | 0.36              | 0.44            | 27        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01212-00002                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01215-00001                     | 0.30                  | 1.70                         | 0.31              | 0.37            | 20        | < 0.2            | N          | NC         | -     | -                      | 1                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01221-00001                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Hinged Patio Door Outswing                  | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01031-00003                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01043-00001                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01055-00001                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01032-00003                     | 0.30                  | 1.70                         | 0.12              | 0.16            | 9         | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01044-00001                     | 0.31                  | 1.76                         | 0.12              | 0.16            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01056-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01033-00003                     | 0.30                  | 1.70                         | 0.13              | 0.26            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01045-00001                     | 0.31                  | 1.76                         | 0.13              | 0.26            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01057-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01030-00003                     | 0.31                  | 1.76                         | 0.29              | 0.32            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01042-00001                     | 0.32                  | 1.82                         | 0.29              | 0.32            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01054-00001                     | 0.32                  | 1.82                         | 0.34              | 0.38            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01213-00003                     | 0.27                  | 1.53                         | 0.18              | 0.29            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01219-00001                     | 0.29                  | 1.65                         | 0.18              | 0.29            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01225-00001                     | 0.28                  | 1.59                         | 0.21              | 0.34            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01214-00003                     | 0.27                  | 1.53                         | 0.12              | 0.26            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-55-01220-00001                     | 0.29                  | 1.65                         | 0.12              | 0.26            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01226-00001                     | 0.28                  | 1.59                         | 0.14              | 0.31            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |

| Andersen® Product Line & Product Type              | Andersen Glass Type              | Grille Type   | NFRC Certified Products Directory Number | U.S. ENERGY STAR v 6.0 |                              |                   |                 | Canada ENERGY STAR v 4.1 |                  |       |               |               |        |        |        |   |
|--|----------------------------------|---|--|------------------------|------------------------------|-------------------|-----------------|--------------------------|------------------|-------|---------------|---------------|--------|--------|--------|---|
|  |                                  |   |  | U-Factor <sup>1</sup>  | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER                | Air Infiltration | North | N. Central S. | Central South | Zone 1 | Zone 2 | Zone 3 |   |
| 400 Series Frenchwood® Hinged Patio Door Outswing  | Low-E4® PassiveSun® w/ Heatlock™ | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01212-00003                     | 0.27                   | 1.53                         | 0.27              | 0.31            | 22                       | < 0.2            | N     | NC            | -             | -      | Z1     | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01218-00001                     | 0.30                   | 1.70                         | 0.27              | 0.31            | 18                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01224-00001                     | 0.29                   | 1.65                         | 0.31              | 0.37            | 21                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  |                                  | 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |                        |                              |                   |                 |                          |                  |       |               |               |        |        |        |   |
|  |                                  | No Grilles  | AND-N-55-01001-00001                     | 0.30                   | 1.70                         | 0.24              | 0.40            | 16                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01001-00002                     | 0.30                   | 1.70                         | 0.21              | 0.34            | 15                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  | Low-E4® Sun                      | Full Divided Lite   | AND-N-55-01007-00001                     | 0.31                   | 1.76                         | 0.21              | 0.34            | 13                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01019-00001                     | 0.30                   | 1.70                         | 0.21              | 0.34            | 15                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | No Grilles  | AND-N-55-01002-00001                     | 0.30                   | 1.70                         | 0.15              | 0.22            | 11                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01002-00002                     | 0.30                   | 1.70                         | 0.13              | 0.19            | 10                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01008-00001                     | 0.31                   | 1.76                         | 0.13              | 0.19            | 9                        | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01020-00001                     | 0.30                   | 1.70                         | 0.13              | 0.19            | 10                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  | Low-E4® SmartSun™                | No Grilles  | AND-N-55-01003-00001                     | 0.29                   | 1.65                         | 0.17              | 0.36            | 13                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01003-00002                     | 0.29                   | 1.65                         | 0.15              | 0.31            | 12                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01009-00001                     | 0.31                   | 1.76                         | 0.15              | 0.31            | 10                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01021-00001                     | 0.29                   | 1.65                         | 0.15              | 0.31            | 12                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | No Grilles  | AND-N-55-01000-00001                     | 0.30                   | 1.70                         | 0.39              | 0.44            | 25                       | < 0.2            | N     | NC            | -             | -      | Z1     | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01000-00002                     | 0.30                   | 1.70                         | 0.33              | 0.38            | 21                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  | Low-E4® PassiveSun®              | Full Divided Lite   | AND-N-55-01006-00001                     | 0.32                   | 1.82                         | 0.33              | 0.38            | 19                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01018-00001                     | 0.30                   | 1.70                         | 0.33              | 0.38            | 21                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  |                                  | No Grilles  | AND-N-55-01000-00001                     | 0.30                   | 1.70                         | 0.39              | 0.44            | 25                       | < 0.2            | N     | NC            | -             | -      | Z1     | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01000-00002                     | 0.30                   | 1.70                         | 0.33              | 0.38            | 21                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01019-00001                     | 0.32                   | 1.82                         | 0.33              | 0.38            | 19                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01020-00001                     | 0.30                   | 1.70                         | 0.33              | 0.38            | 21                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  | Low-E4® w/ Heatlock™             | No Grilles  | AND-N-55-01198-00001                     | 0.27                   | 1.53                         | 0.24              | 0.39            | 20                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01198-00002                     | 0.27                   | 1.53                         | 0.21              | 0.34            | 18                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01201-00001                     | 0.29                   | 1.65                         | 0.21              | 0.34            | 16                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01207-00001                     | 0.27                   | 1.53                         | 0.21              | 0.34            | 18                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  |                                  | No Grilles  | AND-N-55-01199-00001                     | 0.27                   | 1.53                         | 0.16              | 0.36            | 15                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01199-00002                     | 0.27                   | 1.53                         | 0.14              | 0.30            | 14                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite   | AND-N-55-01202-00001                     | 0.29                   | 1.65                         | 0.14              | 0.30            | 12                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01206-00001                     | 0.27                   | 1.53                         | 0.14              | 0.30            | 14                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  |                                  | No Grilles  | AND-N-55-01197-00001                     | 0.27                   | 1.53                         | 0.35              | 0.43            | 26                       | < 0.2            | N     | NC            | -             | -      | Z1     | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01197-00002                     | 0.27                   | 1.53                         | 0.31              | 0.37            | 24                       | < 0.2            | N     | NC            | -             | -      | Z1     | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01200-00001                     | 0.30                   | 1.70                         | 0.31              | 0.37            | 20                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01206-00001                     | 0.27                   | 1.53                         | 0.31              | 0.37            | 24                       | < 0.2            | N     | NC            | -             | -      | Z1     | -      | - |
| 3.9 Tempered Glass - w/ Grilles 1" or Greater      |                                  |   |  |                        |                              |                   |                 |                          |                  |       |               |               |        |        |        |   |
| 400 Series Frenchwood® Sliding Glass Door Outswing | Low-E4® Low-E4®                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01001-00003                     | 0.30                   | 1.70                         | 0.18              | 0.29            | 13                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01013-00001                     | 0.31                   | 1.76                         | 0.18              | 0.29            | 11                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01025-00001                     | 0.32                   | 1.82                         | 0.21              | 0.34            | 12                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01002-00003                     | 0.30                   | 1.70                         | 0.12              | 0.16            | 9                        | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01014-00001                     | 0.31                   | 1.76                         | 0.12              | 0.16            | 8                        | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01026-00001                     | 0.32                   | 1.82                         | 0.13              | 0.19            | 7                        | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01003-00003                     | 0.29                   | 1.65                         | 0.13              | 0.26            | 11                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01015-00001                     | 0.30                   | 1.70                         | 0.13              | 0.26            | 10                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01027-00001                     | 0.31                   | 1.76                         | 0.15              | 0.31            | 10                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01000-00003                     | 0.30                   | 1.70                         | 0.29              | 0.32            | 19                       | < 0.2            | N     | NC            | -             | -      | -      | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01012-00001                     | 0.31                   | 1.76                         | 0.29              | 0.32            | 18                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01024-00001                     | 0.32                   | 1.82                         | 0.33              | 0.38            | 19                       | < 0.2            | -     | -             | -             | -      | -      | -      | - |
| 400 Series Frenchwood® Sliding Glass Door Inswing  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable      | AND-N-55-01198-00003                     | 0.27                   | 1.53                         | 0.18              | 0.28            | 16                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |
|  |                                  | Full Divided Lite   | AND-N-55-01204-00001                     | 0.29                   | 1.65                         | 0.18              | 0.28            | 14                       | < 0.2            | N     | NC            | SC            | S      | -      | -      | - |
|  | Low-E4® PassiveSun®              | Finelight™ (grilles-between-the-glass)                      | AND-N-55-01210-00001                     | 0.28                   | 1.59                         | 0.21              | 0.34            | 17                       | < 0.2            | N     | NC            | SC            | S      | Z1     | -      | - |

| Andersen® Product Line & Product Type               | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | Air Infiltration      |                              |                   |                 |           |       |            | U.S. ENERGY STAR v 6.0 |       | Canada ENERGY STAR v 4.1 |        |        |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|-------|------------|------------------------|-------|--------------------------|--------|--------|---|
|   |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | North | N. Central | S. Central             | South | Zone 1                   | Zone 2 | Zone 3 |   |
| 400 Series Frenchwood® Hinged Patio Door - Outswing | Low-E4® SmartSun™ w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01199-00003                     | 0.27                  | 1.53                         | 0.12              | 0.25            | 13        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01205-00001                     | 0.29                  | 1.65                         | 0.12              | 0.25            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01211-00001                     | 0.28                  | 1.59                         | 0.14              | 0.30            | 13        | < 0.2 | N          | NC                     | SC    | S                        | Z1     | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01197-00003                     | 0.27                  | 1.53                         | 0.26              | 0.31            | 21        | < 0.2 | N          | NC                     | -     | -                        | Z1     | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01203-00001                     | 0.30                  | 1.70                         | 0.26              | 0.31            | 17        | < 0.2 | N          | NC                     | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01209-00001                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 21        | < 0.2 | N          | NC                     | -     | -                        | -      | -      | - |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |   |
|   | Low-E4®   | No Grilles   | AND-N-55-01031-00004                     | 0.30                  | 1.70                         | 0.24              | 0.41            | 16        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01031-00005                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01037-00002                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01049-00002                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-55-01032-00004                     | 0.30                  | 1.70                         | 0.15              | 0.23            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01032-00005                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01038-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01050-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | No Grilles   | AND-N-55-01033-00004                     | 0.30                  | 1.70                         | 0.16              | 0.37            | 12        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01033-00005                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01039-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01051-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | No Grilles   | AND-N-55-01030-00004                     | 0.31                  | 1.76                         | 0.38              | 0.45            | 23        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01030-00005                     | 0.31                  | 1.76                         | 0.32              | 0.38            | 20        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01036-00002                     | 0.32                  | 1.82                         | 0.32              | 0.38            | 18        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01048-00002                     | 0.31                  | 1.76                         | 0.32              | 0.38            | 20        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | No Grilles   | AND-N-55-01030-00004                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01031-00006                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01043-00002                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 11        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01055-00002                     | 0.31                  | 1.76                         | 0.21              | 0.35            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01032-00006                     | 0.30                  | 1.70                         | 0.12              | 0.16            | 9         | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   | Low-E4® Sun   | Full Divided Lite                                      | AND-N-55-01044-00002                     | 0.31                  | 1.76                         | 0.12              | 0.16            | 8         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01056-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01033-00006                     | 0.30                  | 1.70                         | 0.13              | 0.26            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01045-00002                     | 0.31                  | 1.76                         | 0.13              | 0.26            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01057-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01030-00006                     | 0.31                  | 1.76                         | 0.28              | 0.32            | 17        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01042-00002                     | 0.32                  | 1.82                         | 0.28              | 0.32            | 16        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01054-00002                     | 0.32                  | 1.82                         | 0.32              | 0.38            | 18        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | No Grilles   | AND-N-55-01001-00004                     | 0.30                  | 1.70                         | 0.24              | 0.40            | 16        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |       |            |                        |       |                          |        |        |   |
|   | Low-E4®   | No Grilles   | AND-N-55-01001-00004                     | 0.30                  | 1.70                         | 0.24              | 0.40            | 16        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01001-00005                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01007-00002                     | 0.31                  | 1.76                         | 0.21              | 0.34            | 13        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01019-00002                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-55-01002-00004                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 11        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01002-00005                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01008-00002                     | 0.31                  | 1.76                         | 0.13              | 0.19            | 9         | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01020-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-55-01003-00004                     | 0.29                  | 1.65                         | 0.17              | 0.36            | 13        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01003-00005                     | 0.29                  | 1.65                         | 0.15              | 0.31            | 12        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |
|   |   | Full Divided Lite                                      | AND-N-55-01009-00002                     | 0.31                  | 1.76                         | 0.15              | 0.31            | 10        | < 0.2 | -          | -                      | -     | -                        | -      | -      | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01021-00002                     | 0.29                  | 1.65                         | 0.15              | 0.31            | 12        | < 0.2 | N          | NC                     | SC    | S                        | -      | -      | - |

| Andersen® Product Line & Product Type               | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Frenchwood® Hinged Patio Door - Outswing | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-55-01000-00004                     | 0.30                  | 1.70                         | 0.37              | 0.44            | 24        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01000-00005                     | 0.30                  | 1.70                         | 0.32              | 0.38            | 21        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01006-00002                     | 0.32                  | 1.82                         | 0.32              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01018-00002                     | 0.30                  | 1.70                         | 0.32              | 0.38            | 21        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01001-00006                     | 0.30                  | 1.70                         | 0.18              | 0.29            | 13        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01013-00002                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 11        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01025-00002                     | 0.32                  | 1.82                         | 0.21              | 0.34            | 12        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01002-00006                     | 0.30                  | 1.70                         | 0.12              | 0.16            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01014-00002                     | 0.31                  | 1.76                         | 0.12              | 0.16            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01026-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01003-00006                     | 0.29                  | 1.65                         | 0.13              | 0.26            | 11        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01015-00002                     | 0.30                  | 1.70                         | 0.13              | 0.26            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01027-00002                     | 0.31                  | 1.76                         | 0.15              | 0.31            | 10        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01000-00006                     | 0.30                  | 1.70                         | 0.27              | 0.32            | 18        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01012-00002                     | 0.31                  | 1.76                         | 0.27              | 0.32            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01024-00002                     | 0.32                  | 1.82                         | 0.32              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |

| Andersen® Product Line & Product Type   | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>                |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Frenchwood® Hinged Patio Door · Outswing (w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-55-00899-00001                     | 0.33                  | 1.87                         | 0.25              | 0.41            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00899-00002                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00905-00001                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00917-00001                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® Sun                      | No Grilles   | AND-N-55-00900-00001                     | 0.33                  | 1.87                         | 0.16              | 0.23            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00900-00002                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00906-00001                     | 0.34                  | 1.93                         | 0.14              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00918-00001                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-55-00901-00001                     | 0.32                  | 1.82                         | 0.17              | 0.37            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00901-00002                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00907-00001                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00919-00001                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-55-00898-00001                     | 0.33                  | 1.87                         | 0.40              | 0.45            | 22        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00898-00002                     | 0.33                  | 1.87                         | 0.34              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00904-00001                     | 0.35                  | 1.99                         | 0.34              | 0.38            | 16        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00916-00001                     | 0.33                  | 1.87                         | 0.34              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-55-01147-00001                     | 0.29                  | 1.65                         | 0.24              | 0.40            | 17        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01147-00002                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-01150-00001                     | 0.31                  | 1.76                         | 0.21              | 0.34            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01156-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-55-01148-00001                     | 0.28                  | 1.59                         | 0.16              | 0.36            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01148-00002                     | 0.28                  | 1.59                         | 0.14              | 0.31            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-01151-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01157-00001                     | 0.28                  | 1.59                         | 0.14              | 0.31            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|   | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-55-01146-00001                     | 0.29                  | 1.65                         | 0.36              | 0.44            | 24        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01146-00002                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-01149-00001                     | 0.32                  | 1.82                         | 0.31              | 0.37            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01155-00001                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | -      |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                              |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |
| 400 Series Frenchwood® Hinged Patio Door · Outswing (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00899-00003                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00911-00001                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00923-00001                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00900-00003                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-55-00912-00001                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00924-00001                     | 0.34                  | 1.93                         | 0.14              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00901-00003                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00913-00001                     | 0.33                  | 1.87                         | 0.13              | 0.26            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00925-00001                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00898-00003                     | 0.33                  | 1.87                         | 0.29              | 0.32            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-00910-00001                     | 0.34                  | 1.93                         | 0.29              | 0.32            | 14        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00922-00001                     | 0.34                  | 1.93                         | 0.34              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01147-00003                     | 0.29                  | 1.65                         | 0.18              | 0.29            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Full Divided Lite                                      | AND-N-55-01153-00001                     | 0.31                  | 1.76                         | 0.18              | 0.29            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01159-00001                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01148-00003                     | 0.28                  | 1.59                         | 0.13              | 0.26            | 12        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-55-01154-00001                     | 0.31                  | 1.76                         | 0.13              | 0.26            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | -      |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01160-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> |                              |                   |                 | SHgC <sup>2</sup> |            |            |       | Canada ER | Air Infiltration |        |        |        | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |  |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-------------------|------------|------------|-------|-----------|------------------|--------|--------|--------|------------------------|--------|--------------------------|--|
|   |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | North             | N. Central | S. Central | South |           | Zone 1           | Zone 2 | Zone 3 | Zone 1 | Zone 2                 | Zone 3 |                          |  |
| 400 Series Frenchwood® Hinged Patio Door Outswing (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                            | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01146-00003                     | 0.29                  | 1.65                         | 0.27              | 0.31            | 19                | < 0.2      | N          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite                                      | AND-N-55-01152-00001                     | 0.32                  | 1.82                         | 0.27              | 0.31            | 15                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01158-00001                     | 0.30                  | 1.70                         | 0.31              | 0.37            | 20                | < 0.2      | N          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | 3.9 Tempered Glass - w/ No Grilles and Grilles Less Than 1" |  |  |                       |                              |                   |                 |                   |            |            |       |           |                  |        |        |        |                        |        |                          |  |
|   | Low-E4®   | No Grilles   | AND-N-55-00869-00001                     | 0.33                  | 1.87                         | 0.24              | 0.40            | 13                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00869-00002                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite                                      | AND-N-55-00875-00001                     | 0.34                  | 1.93                         | 0.21              | 0.34            | 9                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00887-00001                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles   | AND-N-55-00870-00001                     | 0.33                  | 1.87                         | 0.16              | 0.22            | 8                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00870-00002                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-55-00876-00001                     | 0.34                  | 1.93                         | 0.14              | 0.19            | 5                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00888-00001                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles   | AND-N-55-00871-00001                     | 0.32                  | 1.82                         | 0.17              | 0.36            | 10                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00871-00002                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 8                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite                                      | AND-N-55-00877-00001                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00889-00001                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 8                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® w/ Heatlock™  | No Grilles   | AND-N-55-00868-00001                     | 0.33                  | 1.87                         | 0.39              | 0.44            | 21                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00868-00002                     | 0.33                  | 1.87                         | 0.33              | 0.38            | 18                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite                                      | AND-N-55-00874-00001                     | 0.34                  | 1.93                         | 0.33              | 0.38            | 16                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® SmartSun™ w/ Heatlock™                              | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00886-00001                     | 0.33                  | 1.87                         | 0.33              | 0.38            | 18                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles   | AND-N-55-01132-00001                     | 0.29                  | 1.65                         | 0.24              | 0.39            | 17                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01132-00002                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4®   | Full Divided Lite                                      | AND-N-55-01135-00001                     | 0.32                  | 1.82                         | 0.21              | 0.34            | 12                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01141-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | No Grilles   | AND-N-55-01133-00001                     | 0.29                  | 1.65                         | 0.16              | 0.36            | 13                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® PassiveSun® w/ Heatlock™                            | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01133-00002                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite                                      | AND-N-55-01136-00001                     | 0.31                  | 1.76                         | 0.14              | 0.30            | 9                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01142-00001                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-55-01131-00001                     | 0.29                  | 1.65                         | 0.35              | 0.43            | 24                | < 0.2      | N          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01131-00002                     | 0.29                  | 1.65                         | 0.30              | 0.37            | 21                | < 0.2      | N          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Full Divided Lite                                      | AND-N-55-01134-00001                     | 0.32                  | 1.82                         | 0.30              | 0.37            | 17                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01140-00001                     | 0.29                  | 1.65                         | 0.30              | 0.37            | 21                | < 0.2      | N          | NC    | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | 3.9 Tempered Glass - w/ Grilles 1" or Greater          |  |                       |                              |                   |                 |                   |            |            |       |           |                  |        |        |        |                        |        |                          |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00869-00003                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4®   | Full Divided Lite                                      | AND-N-55-00881-00001                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00893-00001                     | 0.35                  | 1.99                         | 0.21              | 0.34            | 8                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00870-00003                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® Sun   | Full Divided Lite                                      | AND-N-55-00882-00001                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00894-00001                     | 0.35                  | 1.99                         | 0.14              | 0.19            | 4                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00871-00003                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-55-00883-00001                     | 0.33                  | 1.87                         | 0.13              | 0.26            | 6                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00895-00001                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6                 | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00868-00003                     | 0.33                  | 1.87                         | 0.29              | 0.32            | 15                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4®   | Full Divided Lite                                      | AND-N-55-00880-00001                     | 0.34                  | 1.93                         | 0.29              | 0.32            | 14                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00892-00001                     | 0.35                  | 1.99                         | 0.33              | 0.38            | 15                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01132-00003                     | 0.29                  | 1.65                         | 0.18              | 0.28            | 14                | < 0.2      | N          | NC    | SC        | S                | -      | -      | -      | -                      | -      | -                        |  |
|   | Low-E4® w/ Heatlock™  | Full Divided Lite                                      | AND-N-55-01138-00001                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 11                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01144-00001                     | 0.31                  | 1.76                         | 0.21              | 0.34            | 13                | < 0.2      | -          | -     | -         | -                | -      | -      | -      | -                      | -      | -                        |  |

| Andersen® Product Line & Product Type   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |
| 400 Series Frenchwood® Hinged Patio Door Outswing (w/ Capillary Breather Tubes) | Low-E4® SmartSun™ w/ Heatlock™                                      | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01133-00003                     | 0.29                  | 1.65                         | 0.13              | 0.25            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01139-00001                     | 0.31                  | 1.76                         | 0.13              | 0.25            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01145-00001                     | 0.30                  | 1.70                         | 0.14              | 0.30            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-01131-00003                     | 0.29                  | 1.65                         | 0.26              | 0.31            | 18        | < 0.2            | N          | NC         | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-01137-00001                     | 0.32                  | 1.82                         | 0.26              | 0.31            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-01143-00001                     | 0.31                  | 1.76                         | 0.30              | 0.37            | 18        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-55-00899-00004                     | 0.33                  | 1.87                         | 0.25              | 0.41            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00899-00005                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-00905-00002                     | 0.34                  | 1.93                         | 0.21              | 0.35            | 9         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00917-00002                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® Sun   | No Grilles   | AND-N-55-00900-00004                     | 0.33                  | 1.87                         | 0.16              | 0.23            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00900-00005                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-00906-00002                     | 0.34                  | 1.93                         | 0.14              | 0.19            | 5         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00918-00002                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-55-00901-00004                     | 0.32                  | 1.82                         | 0.17              | 0.37            | 10        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00901-00005                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-00907-00002                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00919-00002                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   | Low-E4® PassiveSun®   | No Grilles   | AND-N-55-00898-00004                     | 0.33                  | 1.87                         | 0.38              | 0.45            | 21        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00898-00005                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-55-00904-00002                     | 0.35                  | 1.99                         | 0.32              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00916-00002                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - |
| 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater                           |   |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| Low-E4®   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00899-00006                                   | 0.33                                     | 1.87                  | 0.18                         | 0.29              | 9               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-55-00911-00002                                   | 0.34                                     | 1.93                  | 0.18                         | 0.29              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00923-00002                                   | 0.34                                     | 1.93                  | 0.21                         | 0.35              | 9               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00900-00006                                   | 0.33                                     | 1.87                  | 0.12                         | 0.16              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® Sun   | Full Divided Lite   | AND-N-55-00912-00002                                   | 0.34                                     | 1.93                  | 0.12                         | 0.16              | 4               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00924-00002                                   | 0.34                                     | 1.93                  | 0.14                         | 0.19              | 5               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00901-00006                                   | 0.32                                     | 1.82                  | 0.13                         | 0.26              | 7               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-55-00913-00002                                   | 0.33                                     | 1.87                  | 0.13                         | 0.26              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® SmartSun™   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00925-00002                                   | 0.34                                     | 1.93                  | 0.15                         | 0.31              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00898-00006                                   | 0.33                                     | 1.87                  | 0.28                         | 0.32              | 15              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-55-00910-00002                                   | 0.34                                     | 1.93                  | 0.28                         | 0.32              | 14              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00922-00002                                   | 0.34                                     | 1.93                  | 0.32                         | 0.38              | 16              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |
| Low-E4®   | No Grilles  | AND-N-55-00869-00004                                   | 0.33                                     | 1.87                  | 0.24                         | 0.40              | 13              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00869-00005                                   | 0.33                                     | 1.87                  | 0.21                         | 0.34              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-55-00875-00002                                   | 0.34                                     | 1.93                  | 0.21                         | 0.34              | 9               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00887-00002                                   | 0.33                                     | 1.87                  | 0.21                         | 0.34              | 11              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® Sun   | No Grilles  | AND-N-55-00870-00004                                   | 0.33                                     | 1.87                  | 0.16                         | 0.22              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00870-00005                                   | 0.33                                     | 1.87                  | 0.14                         | 0.19              | 7               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-55-00876-00002                                   | 0.34                                     | 1.93                  | 0.14                         | 0.19              | 5               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00888-00002                                   | 0.33                                     | 1.87                  | 0.14                         | 0.19              | 7               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
| Low-E4® SmartSun™   | No Grilles  | AND-N-55-00871-00004                                   | 0.32                                     | 1.82                  | 0.17                         | 0.36              | 10              | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Simulated Divided Lite or Installed Interior Removable              | AND-N-55-00871-00005                                   | 0.32                                     | 1.82                  | 0.15                         | 0.31              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Full Divided Lite   | AND-N-55-00877-00002                                   | 0.34                                     | 1.93                  | 0.15                         | 0.31              | 6               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |
|   | Finelight™ (grilles-between-the-glass)                              | AND-N-55-00889-00002                                   | 0.32                                     | 1.82                  | 0.15                         | 0.31              | 8               | < 0.2     | -                | -          | -          | -     | -                      | -                        |   |

| Andersen® Product Line & Product Type   | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |
| 400 Series Frenchwood® Hinged Patio Door Outswing (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-55-00868-00004                     | 0.33                  | 1.87                         | 0.37              | 0.44            | 20        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00868-00005                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-55-00874-00002                     | 0.34                  | 1.93                         | 0.32              | 0.38            | 16        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00886-00002                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -     | -                      | -                        |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00869-00006                     | 0.33                  | 1.87                         | 0.18              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-55-00881-00002                     | 0.34                  | 1.93                         | 0.18              | 0.29            | 8         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00893-00002                     | 0.35                  | 1.99                         | 0.21              | 0.34            | 8         | < 0.2            | -          | -          | -     | -                      | -                        |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00870-00006                     | 0.33                  | 1.87                         | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-55-00882-00002                     | 0.34                  | 1.93                         | 0.12              | 0.16            | 4         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00894-00002                     | 0.35                  | 1.99                         | 0.14              | 0.19            | 4         | < 0.2            | -          | -          | -     | -                      | -                        |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00871-00006                     | 0.32                  | 1.82                         | 0.13              | 0.26            | 7         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-55-00883-00002                     | 0.33                  | 1.87                         | 0.13              | 0.26            | 6         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00895-00002                     | 0.34                  | 1.93                         | 0.15              | 0.31            | 6         | < 0.2            | -          | -          | -     | -                      | -                        |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-55-00868-00006                     | 0.33                  | 1.87                         | 0.27              | 0.32            | 14        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-55-00880-00002                     | 0.34                  | 1.93                         | 0.27              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-55-00892-00002                     | 0.35                  | 1.99                         | 0.32              | 0.38            | 15        | < 0.2            | -          | -          | -     | -                      | -                        |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |        |   |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|--------|---|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2                   | Zone 3 |   |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Patio Door Sidelight                        | Low-E4®                          | No Grilles   | AND-N-64-00657-00001                     | 0.30                  | 1.70                         | 0.22              | 0.36            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00657-00002                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00663-00001                     | 0.31                  | 1.76                         | 0.20              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00675-00001                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® Sun                      | No Grilles   | AND-N-64-00658-00001                     | 0.30                  | 1.70                         | 0.14              | 0.20            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00658-00002                     | 0.30                  | 1.70                         | 0.12              | 0.18            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00664-00001                     | 0.31                  | 1.76                         | 0.12              | 0.18            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00676-00001                     | 0.30                  | 1.70                         | 0.12              | 0.18            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-64-00659-00001                     | 0.29                  | 1.65                         | 0.15              | 0.33            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00659-00002                     | 0.29                  | 1.65                         | 0.13              | 0.29            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00665-00001                     | 0.30                  | 1.70                         | 0.13              | 0.29            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00677-00001                     | 0.29                  | 1.65                         | 0.13              | 0.29            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-64-00656-00001                     | 0.30                  | 1.70                         | 0.36              | 0.40            | 23        | < 0.2            | N          | NC         | -     | -                      | -                        | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00656-00002                     | 0.30                  | 1.70                         | 0.32              | 0.35            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00662-00001                     | 0.31                  | 1.76                         | 0.32              | 0.35            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00674-00001                     | 0.30                  | 1.70                         | 0.32              | 0.35            | 21        | < 0.2            | N          | NC         | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-64-00798-00001                     | 0.27                  | 1.53                         | 0.22              | 0.36            | 19        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00798-00002                     | 0.27                  | 1.53                         | 0.19              | 0.31            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00801-00001                     | 0.29                  | 1.65                         | 0.19              | 0.31            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00807-00001                     | 0.27                  | 1.53                         | 0.19              | 0.31            | 17        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-64-00799-00001                     | 0.27                  | 1.53                         | 0.15              | 0.32            | 15        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00799-00002                     | 0.27                  | 1.53                         | 0.13              | 0.28            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00802-00001                     | 0.28                  | 1.59                         | 0.13              | 0.28            | 12        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00808-00001                     | 0.27                  | 1.53                         | 0.13              | 0.28            | 14        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-64-00797-00001                     | 0.27                  | 1.53                         | 0.33              | 0.39            | 25        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00797-00002                     | 0.27                  | 1.53                         | 0.29              | 0.35            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00800-00001                     | 0.29                  | 1.65                         | 0.29              | 0.35            | 20        | < 0.2            | N          | NC         | -     | -                      | 1                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00806-00001                     | 0.27                  | 1.53                         | 0.29              | 0.35            | 23        | < 0.2            | N          | NC         | -     | -                      | Z1                       | -      | - |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |        |   |
| 400 Series Frenchwood® Patio Door Sidelight                        | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00657-00003                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00669-00001                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00681-00001                     | 0.31                  | 1.76                         | 0.20              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® Sun                      | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00658-00003                     | 0.30                  | 1.70                         | 0.11              | 0.16            | 9         | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00670-00001                     | 0.31                  | 1.76                         | 0.11              | 0.16            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00682-00001                     | 0.31                  | 1.76                         | 0.12              | 0.18            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® SmartSun™                | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00659-00003                     | 0.29                  | 1.65                         | 0.12              | 0.25            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00671-00001                     | 0.30                  | 1.70                         | 0.12              | 0.25            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00683-00001                     | 0.30                  | 1.70                         | 0.13              | 0.29            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  | Low-E4® PassiveSun™              | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00656-00003                     | 0.30                  | 1.70                         | 0.28              | 0.31            | 19        | < 0.2            | N          | NC         | -     | -                      | -                        | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00668-00001                     | 0.31                  | 1.76                         | 0.28              | 0.31            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00680-00001                     | 0.31                  | 1.76                         | 0.32              | 0.35            | 20        | < 0.2            | -          | -          | -     | -                      | -                        | -      | - |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00798-00003                     | 0.27                  | 1.53                         | 0.17              | 0.27            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00804-00001                     | 0.29                  | 1.65                         | 0.17              | 0.27            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00810-00001                     | 0.28                  | 1.59                         | 0.19              | 0.31            | 16        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00799-00003                     | 0.27                  | 1.53                         | 0.12              | 0.25            | 13        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Full Divided Lite                                      | AND-N-64-00805-00001                     | 0.28                  | 1.59                         | 0.12              | 0.25            | 12        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00811-00001                     | 0.28                  | 1.59                         | 0.13              | 0.28            | 12        | < 0.2            | N          | NC         | SC    | S                      | Z1                       | -      | - |

| Andersen® Product Line & Product Type       | Andersen Glass Type   | Grille Type   | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |   |
|---|---|---|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|---|---|
|   |   |   |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |   |   |
| 400 Series Frenchwood® Patio Door Sidelight | Low-E4® PassiveSun® w/ Heatlock™                                    | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00797-00003                     | 0.27                  | 1.53                         | 0.26              | 0.30            | 21        | < 0.2            | N          | NC         | -     | -                      | Z1                       | - | - |
|   |   | Full Divided Lite   | AND-N-64-00803-00001                     | 0.29                  | 1.65                         | 0.26              | 0.30            | 19        | < 0.2            | N          | NC         | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00809-00001                     | 0.28                  | 1.59                         | 0.29              | 0.35            | 22        | < 0.2            | N          | NC         | -     | -                      | Z1                       | - | - |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |   |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |   |
|   | Low-E4®   | No Grilles  | AND-N-64-00657-00004                     | 0.30                  | 1.70                         | 0.22              | 0.36            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00657-00005                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Full Divided Lite   | AND-N-64-00663-00002                     | 0.31                  | 1.76                         | 0.20              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00675-00002                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | No Grilles  | AND-N-64-00658-00004                     | 0.30                  | 1.70                         | 0.14              | 0.20            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00658-00005                     | 0.30                  | 1.70                         | 0.12              | 0.18            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-64-00664-00002                     | 0.31                  | 1.76                         | 0.12              | 0.18            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00676-00002                     | 0.30                  | 1.70                         | 0.12              | 0.18            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | No Grilles  | AND-N-64-00659-00004                     | 0.29                  | 1.65                         | 0.15              | 0.33            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4® PassiveSun®   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00659-00005                     | 0.29                  | 1.65                         | 0.13              | 0.29            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Full Divided Lite   | AND-N-64-00665-00002                     | 0.30                  | 1.70                         | 0.13              | 0.29            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00677-00002                     | 0.29                  | 1.65                         | 0.13              | 0.29            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4®   | No Grilles  | AND-N-64-00656-00004                     | 0.30                  | 1.70                         | 0.34              | 0.40            | 22        | < 0.2            | N          | NC         | -     | -                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00656-00005                     | 0.30                  | 1.70                         | 0.30              | 0.35            | 20        | < 0.2            | N          | NC         | -     | -                      | -                        | - | - |
|   |   | Full Divided Lite   | AND-N-64-00662-00002                     | 0.31                  | 1.76                         | 0.30              | 0.35            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00674-00002                     | 0.30                  | 1.70                         | 0.30              | 0.35            | 20        | < 0.2            | N          | NC         | -     | -                      | -                        | - | - |
|   |   | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |   |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00657-00006                     | 0.30                  | 1.70                         | 0.18              | 0.28            | 13        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4®   | Full Divided Lite   | AND-N-64-00669-00002                     | 0.31                  | 1.76                         | 0.18              | 0.28            | 12        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00681-00002                     | 0.31                  | 1.76                         | 0.20              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00658-00006                     | 0.30                  | 1.70                         | 0.11              | 0.16            | 9         | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4® Sun   | Full Divided Lite   | AND-N-64-00670-00002                     | 0.31                  | 1.76                         | 0.11              | 0.16            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00682-00002                     | 0.31                  | 1.76                         | 0.12              | 0.18            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00659-00006                     | 0.29                  | 1.65                         | 0.12              | 0.25            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4® SmartSun™   | Full Divided Lite   | AND-N-64-00671-00002                     | 0.30                  | 1.70                         | 0.12              | 0.25            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00683-00002                     | 0.30                  | 1.70                         | 0.13              | 0.29            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00656-00006                     | 0.30                  | 1.70                         | 0.27              | 0.31            | 18        | < 0.2            | N          | NC         | -     | -                      | -                        | - | - |
|   | Low-E4® PassiveSun®   | Full Divided Lite   | AND-N-64-00668-00002                     | 0.31                  | 1.76                         | 0.27              | 0.31            | 17        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00680-00002                     | 0.31                  | 1.76                         | 0.30              | 0.35            | 19        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |   |   |
| 400 Series Frenchwood® Sliding Glass Door   | Low-E4®   | No Grilles  | AND-N-64-00687-00001                     | 0.30                  | 1.70                         | 0.22              | 0.36            | 15        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00687-00002                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Full Divided Lite   | AND-N-64-00692-00001                     | 0.31                  | 1.76                         | 0.20              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00702-00001                     | 0.30                  | 1.70                         | 0.20              | 0.32            | 14        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4® Sun   | No Grilles  | AND-N-64-00688-00001                     | 0.30                  | 1.70                         | 0.14              | 0.20            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00688-00002                     | 0.30                  | 1.70                         | 0.12              | 0.17            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Full Divided Lite   | AND-N-64-00693-00001                     | 0.31                  | 1.76                         | 0.12              | 0.17            | 8         | < 0.2            | -          | -          | -     | -                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00703-00001                     | 0.30                  | 1.70                         | 0.12              | 0.17            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   | Low-E4® SmartSun™   | No Grilles  | AND-N-64-00689-00001                     | 0.29                  | 1.65                         | 0.15              | 0.32            | 12        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Simulated Divided Lite or Installed Interior Removable              | AND-N-64-00689-00002                     | 0.29                  | 1.65                         | 0.13              | 0.29            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Full Divided Lite   | AND-N-64-00694-00001                     | 0.30                  | 1.70                         | 0.13              | 0.29            | 10        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |
|   |   | Finelight™ (grilles-between-the-glass)                              | AND-N-64-00704-00001                     | 0.29                  | 1.65                         | 0.13              | 0.29            | 11        | < 0.2            | N          | NC         | SC    | S                      | -                        | - | - |

| Andersen® Product Line & Product Type       | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Frenchwood® Patio Door Sidelight | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-64-00686-00001                     | 0.30                  | 1.70                         | 0.35              | 0.40            | 23        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00686-00002                     | 0.30                  | 1.70                         | 0.29              | 0.35            | 19        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00691-00001                     | 0.31                  | 1.76                         | 0.31              | 0.35            | 19        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00701-00001                     | 0.30                  | 1.70                         | 0.31              | 0.35            | 20        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00687-00003                     | 0.30                  | 1.70                         | 0.17              | 0.28            | 12        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00697-00001                     | 0.31                  | 1.76                         | 0.17              | 0.28            | 11        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00707-00001                     | 0.31                  | 1.76                         | 0.20              | 0.32            | 13        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00688-00003                     | 0.30                  | 1.70                         | 0.11              | 0.15            | 9         | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00698-00001                     | 0.31                  | 1.76                         | 0.11              | 0.15            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00708-00001                     | 0.31                  | 1.76                         | 0.12              | 0.17            | 8         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00689-00003                     | 0.29                  | 1.65                         | 0.12              | 0.25            | 11        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00699-00001                     | 0.30                  | 1.70                         | 0.12              | 0.25            | 10        | < 0.2            | N          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00709-00001                     | 0.31                  | 1.76                         | 0.13              | 0.29            | 9         | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00686-00003                     | 0.30                  | 1.70                         | 0.26              | 0.31            | 18        | < 0.2            | N          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00696-00001                     | 0.31                  | 1.76                         | 0.27              | 0.31            | 17        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00706-00001                     | 0.32                  | 1.82                         | 0.31              | 0.35            | 18        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type              | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration | U.S.<br>ENERGY<br>STAR<br>v 6.0 |            |            | Canada<br>ENERGY<br>STAR<br>v 4.1 |        |        |        |
|--|--|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|---------------------------------|------------|------------|-----------------------------------|--------|--------|--------|
|  |  |  |  |                       |                                 |                   |                 |           |                  | North                           | N. Central | S. Central | South                             | Zone 1 | Zone 2 | Zone 3 |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>                       |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Frenchwood®<br>Patio Door<br>Sidelight (w/<br>Capillary Breather<br>Tubes) | Low-E4®                                | No Grilles   | AND-N-64-00530-00001                           | 0.32                  | 1.82                            | 0.22              | 0.36            | 13        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00530-00002                           | 0.32                  | 1.82                            | 0.20              | 0.32            | 11        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00536-00001                           | 0.33                  | 1.87                            | 0.20              | 0.32            | 10        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00548-00001                           | 0.32                  | 1.82                            | 0.20              | 0.32            | 11        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>Sun                         | No Grilles   | AND-N-64-00531-00001                           | 0.32                  | 1.82                            | 0.14              | 0.20            | 8         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00531-00002                           | 0.32                  | 1.82                            | 0.13              | 0.18            | 7         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00537-00001                           | 0.33                  | 1.87                            | 0.13              | 0.18            | 6         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00549-00001                           | 0.32                  | 1.82                            | 0.13              | 0.18            | 7         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | No Grilles   | AND-N-64-00532-00001                           | 0.32                  | 1.82                            | 0.15              | 0.33            | 9         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00532-00002                           | 0.32                  | 1.82                            | 0.14              | 0.29            | 8         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00538-00001                           | 0.33                  | 1.87                            | 0.14              | 0.29            | 7         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00550-00001                           | 0.32                  | 1.82                            | 0.14              | 0.29            | 8         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>PassiveSun®                 | No Grilles   | AND-N-64-00529-00001                           | 0.33                  | 1.87                            | 0.36              | 0.40            | 20        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00529-00002                           | 0.33                  | 1.87                            | 0.32              | 0.35            | 17        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00535-00001                           | 0.34                  | 1.93                            | 0.32              | 0.35            | 16        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00547-00001                           | 0.33                  | 1.87                            | 0.32              | 0.35            | 17        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>w/ HeatLock™                | No Grilles   | AND-N-64-00783-00001                           | 0.29                  | 1.65                            | 0.22              | 0.36            | 16        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00783-00002                           | 0.29                  | 1.65                            | 0.19              | 0.31            | 15        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00786-00001                           | 0.30                  | 1.70                            | 0.19              | 0.31            | 14        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00792-00001                           | 0.29                  | 1.65                            | 0.19              | 0.31            | 15        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ HeatLock™   | No Grilles   | AND-N-64-00784-00001                           | 0.28                  | 1.59                            | 0.15              | 0.32            | 14        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00784-00002                           | 0.28                  | 1.59                            | 0.13              | 0.28            | 12        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00787-00001                           | 0.30                  | 1.70                            | 0.13              | 0.28            | 10        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00793-00001                           | 0.28                  | 1.59                            | 0.13              | 0.28            | 12        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>PassiveSun®<br>w/ HeatLock™ | No Grilles   | AND-N-64-00782-00001                           | 0.29                  | 1.65                            | 0.32              | 0.39            | 22        | < 0.2            | N                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00782-00002                           | 0.29                  | 1.65                            | 0.29              | 0.35            | 20        | < 0.2            | N                               | NC         | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00785-00001                           | 0.31                  | 1.76                            | 0.29              | 0.35            | 18        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00791-00001                           | 0.29                  | 1.65                            | 0.29              | 0.35            | 20        | < 0.2            | N                               | NC         | -          | -                                 | -      | -      | -      |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                                     |  |  |  |                       |                                 |                   |                 |           |                  |                                 |            |            |                                   |        |        |        |
| 400 Series<br>Frenchwood®<br>Patio Door<br>Sidelight (w/<br>Capillary Breather<br>Tubes) | Low-E4®                                | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00530-00003                           | 0.32                  | 1.82                            | 0.18              | 0.28            | 10        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00542-00001                           | 0.33                  | 1.87                            | 0.18              | 0.28            | 9         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00554-00001                           | 0.33                  | 1.87                            | 0.20              | 0.32            | 10        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00531-00003                           | 0.32                  | 1.82                            | 0.11              | 0.16            | 6         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>Sun                         | Full Divided Lite                                      | AND-N-64-00543-00001                           | 0.33                  | 1.87                            | 0.11              | 0.16            | 5         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00555-00001                           | 0.33                  | 1.87                            | 0.13              | 0.18            | 6         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00532-00003                           | 0.32                  | 1.82                            | 0.12              | 0.25            | 7         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00544-00001                           | 0.33                  | 1.87                            | 0.12              | 0.25            | 6         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>SmartSun™                   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00556-00001                           | 0.33                  | 1.87                            | 0.14              | 0.29            | 7         | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00529-00003                           | 0.33                  | 1.87                            | 0.28              | 0.31            | 15        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00541-00001                           | 0.33                  | 1.87                            | 0.28              | 0.31            | 15        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00553-00001                           | 0.34                  | 1.93                            | 0.32              | 0.35            | 16        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  | Low-E4®<br>w/ HeatLock™                | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00783-00003                           | 0.29                  | 1.65                            | 0.17              | 0.27            | 13        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Full Divided Lite                                      | AND-N-64-00789-00001                           | 0.31                  | 1.76                            | 0.17              | 0.27            | 11        | < 0.2            | -                               | -          | -          | -                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00795-00001                           | 0.30                  | 1.70                            | 0.19              | 0.31            | 14        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00784-00003                           | 0.28                  | 1.59                            | 0.12              | 0.25            | 12        | < 0.2            | N                               | NC         | SC         | S                                 | Z1     | -      | -      |
|  | Low-E4®<br>SmartSun™<br>w/ HeatLock™   | Full Divided Lite                                      | AND-N-64-00790-00001                           | 0.30                  | 1.70                            | 0.12              | 0.25            | 10        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |
|  |  | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00796-00001                           | 0.29                  | 1.65                            | 0.13              | 0.28            | 11        | < 0.2            | N                               | NC         | SC         | S                                 | -      | -      | -      |

| Andersen® Product Line & Product Type                                     | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  |                          |   |
| 400 Series Frenchwood® Patio Door Sidelight (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                                    | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00782-00003                     | 0.29                  | 1.65                         | 0.26              | 0.30            | 19        | < 0.2            | N          | NC         | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00788-00001                     | 0.31                  | 1.76                         | 0.26              | 0.30            | 16        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00794-00001                     | 0.30                  | 1.70                         | 0.29              | 0.35            | 19        | < 0.2            | N          | NC         | -                      | -                        | - |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |   |
|   | Low-E4®   | No Grilles   | AND-N-64-00530-00004                     | 0.32                  | 1.82                         | 0.22              | 0.36            | 13        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00530-00005                     | 0.32                  | 1.82                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00536-00002                     | 0.33                  | 1.87                         | 0.20              | 0.32            | 10        | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00548-00002                     | 0.32                  | 1.82                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | No Grilles   | AND-N-64-00531-00004                     | 0.32                  | 1.82                         | 0.14              | 0.20            | 8         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00531-00005                     | 0.32                  | 1.82                         | 0.13              | 0.18            | 7         | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-64-00537-00002                     | 0.33                  | 1.87                         | 0.13              | 0.18            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00549-00002                     | 0.32                  | 1.82                         | 0.13              | 0.18            | 7         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | No Grilles   | AND-N-64-00532-00004                     | 0.32                  | 1.82                         | 0.15              | 0.33            | 9         | < 0.2            | -          | -          | -                      | -                        | - |
|   | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |   |
| 400 Series Frenchwood® Patio Door Sidelight (w/ Capillary Breather Tubes) | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00530-00006                     | 0.32                  | 1.82                         | 0.18              | 0.28            | 10        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00542-00002                     | 0.33                  | 1.87                         | 0.18              | 0.28            | 9         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00554-00002                     | 0.33                  | 1.87                         | 0.20              | 0.32            | 10        | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00531-00006                     | 0.32                  | 1.82                         | 0.11              | 0.16            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00543-00002                     | 0.33                  | 1.87                         | 0.11              | 0.16            | 5         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00555-00002                     | 0.33                  | 1.87                         | 0.13              | 0.18            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00532-00006                     | 0.32                  | 1.82                         | 0.12              | 0.25            | 7         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00544-00002                     | 0.33                  | 1.87                         | 0.12              | 0.25            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00556-00002                     | 0.33                  | 1.87                         | 0.14              | 0.29            | 7         | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® Passivesun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00529-00006                     | 0.33                  | 1.87                         | 0.27              | 0.31            | 14        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00541-00002                     | 0.33                  | 1.87                         | 0.27              | 0.31            | 14        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00553-00002                     | 0.34                  | 1.93                         | 0.30              | 0.35            | 15        | < 0.2            | -          | -          | -                      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |   |
| 400 Series Frenchwood® Patio Door Sidelight (w/ Capillary Breather Tubes) | Low-E4®   | No Grilles   | AND-N-64-00560-00001                     | 0.32                  | 1.82                         | 0.22              | 0.36            | 13        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00560-00002                     | 0.32                  | 1.82                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-64-00565-00001                     | 0.33                  | 1.87                         | 0.20              | 0.32            | 10        | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00575-00001                     | 0.32                  | 1.82                         | 0.20              | 0.32            | 11        | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | No Grilles   | AND-N-64-00561-00001                     | 0.33                  | 1.87                         | 0.14              | 0.20            | 7         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00561-00002                     | 0.33                  | 1.87                         | 0.13              | 0.17            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-64-00566-00001                     | 0.33                  | 1.87                         | 0.13              | 0.17            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00576-00001                     | 0.33                  | 1.87                         | 0.13              | 0.17            | 6         | < 0.2            | -          | -          | -                      | -                        | - |
|   |   | No Grilles   | AND-N-64-00562-00001                     | 0.32                  | 1.82                         | 0.15              | 0.32            | 9         | < 0.2            | -          | -          | -                      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |   |

| Andersen® Product Line & Product Type                                     | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------------------------|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South |                        |                          |
| 400 Series Frenchwood® Patio Door Sidelight (w/ Capillary Breather Tubes) | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-64-00559-00001                     | 0.33                  | 1.87                         | 0.35              | 0.40            | 19        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00559-00002                     | 0.33                  | 1.87                         | 0.29              | 0.35            | 16        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-64-00564-00001                     | 0.34                  | 1.93                         | 0.31              | 0.35            | 15        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00574-00001                     | 0.33                  | 1.87                         | 0.31              | 0.35            | 17        | < 0.2            | -          | -          | -     | -                      | -                        |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |                          |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00560-00003                     | 0.32                  | 1.82                         | 0.18              | 0.28            | 10        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-64-00570-00001                     | 0.33                  | 1.87                         | 0.18              | 0.28            | 9         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00580-00001                     | 0.34                  | 1.93                         | 0.20              | 0.32            | 9         | < 0.2            | -          | -          | -     | -                      | -                        |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00561-00003                     | 0.33                  | 1.87                         | 0.11              | 0.15            | 5         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-64-00571-00001                     | 0.33                  | 1.87                         | 0.11              | 0.15            | 5         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00581-00001                     | 0.34                  | 1.93                         | 0.13              | 0.17            | 5         | < 0.2            | -          | -          | -     | -                      | -                        |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00562-00003                     | 0.32                  | 1.82                         | 0.12              | 0.25            | 7         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-64-00572-00001                     | 0.33                  | 1.87                         | 0.12              | 0.25            | 6         | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00582-00001                     | 0.33                  | 1.87                         | 0.14              | 0.29            | 7         | < 0.2            | -          | -          | -     | -                      | -                        |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-64-00559-00003                     | 0.33                  | 1.87                         | 0.26              | 0.31            | 14        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Full Divided Lite                                      | AND-N-64-00569-00001                     | 0.33                  | 1.87                         | 0.27              | 0.31            | 14        | < 0.2            | -          | -          | -     | -                      | -                        |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-64-00579-00001                     | 0.34                  | 1.93                         | 0.31              | 0.35            | 15        | < 0.2            | -          | -          | -     | -                      | -                        |

| Andersen® Product Line & Product Type                              | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |   |   |
|--|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|----|---|---|
|  |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  |                          |    |   |   |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b> |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |   |   |
| 400 Series Frenchwood® Patio Door Transom                          | Low-E4®                          | No Grilles   | AND-N-65-00673-00001                     | 0.29                  | 1.65                         | 0.23              | 0.39            | 17        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00673-00002                     | 0.29                  | 1.65                         | 0.21              | 0.35            | 16        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00679-00001                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00691-00001                     | 0.29                  | 1.65                         | 0.21              | 0.35            | 16        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  | Low-E4® Sun                      | No Grilles   | AND-N-65-00674-00001                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 11        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00674-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00680-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00692-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  | Low-E4® SmartSun™                | No Grilles   | AND-N-65-00675-00001                     | 0.29                  | 1.65                         | 0.16              | 0.35            | 13        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00675-00002                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00681-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00693-00001                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  | Low-E4® PassiveSun®              | No Grilles   | AND-N-65-00672-00001                     | 0.30                  | 1.70                         | 0.38              | 0.43            | 25        | < 0.2            | -          | NC         | -                      | -                        | Z1 | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00672-00002                     | 0.30                  | 1.70                         | 0.34              | 0.38            | 22        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00678-00001                     | 0.31                  | 1.76                         | 0.34              | 0.38            | 21        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00690-00001                     | 0.30                  | 1.70                         | 0.34              | 0.38            | 22        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|  | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-65-00814-00001                     | 0.27                  | 1.53                         | 0.23              | 0.38            | 20        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00814-00002                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00817-00001                     | 0.28                  | 1.59                         | 0.21              | 0.34            | 17        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00823-00001                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-65-00815-00001                     | 0.26                  | 1.48                         | 0.15              | 0.34            | 16        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00815-00002                     | 0.26                  | 1.48                         | 0.14              | 0.30            | 15        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00818-00001                     | 0.28                  | 1.59                         | 0.14              | 0.30            | 13        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00824-00001                     | 0.26                  | 1.48                         | 0.14              | 0.30            | 15        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  | Low-E4® PassiveSun® w/ Heatlock™ | No Grilles   | AND-N-65-00813-00001                     | 0.27                  | 1.53                         | 0.35              | 0.42            | 27        | < 0.2            | N          | NC         | -                      | -                        | Z1 | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00813-00002                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N          | NC         | -                      | -                        | Z1 | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00816-00001                     | 0.28                  | 1.59                         | 0.31              | 0.37            | 23        | < 0.2            | -          | NC         | -                      | -                        | Z1 | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00822-00001                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N          | NC         | -                      | -                        | Z1 | - | - |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>               |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |   |   |
| 400 Series Frenchwood® Patio Door Transom                          | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00673-00003                     | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00685-00001                     | 0.30                  | 1.70                         | 0.19              | 0.30            | 14        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00697-00001                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00674-00003                     | 0.30                  | 1.70                         | 0.12              | 0.17            | 10        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-65-00686-00001                     | 0.30                  | 1.70                         | 0.12              | 0.17            | 10        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00698-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00675-00003                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00687-00001                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00699-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00672-00003                     | 0.30                  | 1.70                         | 0.30              | 0.34            | 20        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00684-00001                     | 0.30                  | 1.70                         | 0.30              | 0.34            | 20        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00696-00001                     | 0.30                  | 1.70                         | 0.34              | 0.38            | 22        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|  | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00814-00003                     | 0.27                  | 1.53                         | 0.18              | 0.30            | 17        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Full Divided Lite                                      | AND-N-65-00820-00001                     | 0.28                  | 1.59                         | 0.18              | 0.30            | 15        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00826-00001                     | 0.27                  | 1.53                         | 0.21              | 0.34            | 18        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00815-00003                     | 0.26                  | 1.48                         | 0.13              | 0.27            | 15        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |
|  | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-65-00821-00001                     | 0.28                  | 1.59                         | 0.13              | 0.27            | 12        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|  |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00827-00001                     | 0.27                  | 1.53                         | 0.14              | 0.30            | 14        | < 0.2            | N          | NC         | SC                     | S                        | Z1 | - | - |

| Andersen® Product Line & Product Type     | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number |                       |                              |                   |                 | Canada ER | Air Infiltration | U.S. ENERGY STAR v 6.0 |            |            | Canada ENERGY STAR v 4.1 |        |        |        |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------------------|------------|------------|--------------------------|--------|--------|--------|
|   |   |  |  | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> |           |                  | North                  | N. Central | S. Central | South                    | Zone 1 | Zone 2 | Zone 3 |
| 400 Series Frenchwood® Patio Door Transom | Low-E4® PassiveSun® w/ Heatlock™                                    | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00813-00003                     | 0.27                  | 1.53                         | 0.28              | 0.33            | 22        | < 0.2            | N                      | NC         | -          | -                        | Z1     | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00819-00001                     | 0.28                  | 1.59                         | 0.28              | 0.33            | 21        | < 0.2            | -                      | NC         | -          | -                        | Z1     | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00825-00001                     | 0.27                  | 1.53                         | 0.31              | 0.37            | 24        | < 0.2            | N                      | NC         | -          | -                        | Z1     | -      | -      |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
|   | Low-E4®   | No Grilles   | AND-N-65-00673-00004                     | 0.29                  | 1.65                         | 0.23              | 0.39            | 17        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00673-00005                     | 0.29                  | 1.65                         | 0.21              | 0.35            | 16        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00679-00002                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00691-00002                     | 0.29                  | 1.65                         | 0.21              | 0.35            | 16        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | No Grilles   | AND-N-65-00674-00004                     | 0.30                  | 1.70                         | 0.15              | 0.22            | 11        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00674-00005                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-65-00680-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00692-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | No Grilles   | AND-N-65-00675-00004                     | 0.29                  | 1.65                         | 0.16              | 0.35            | 13        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00673-00006                     | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00685-00002                     | 0.30                  | 1.70                         | 0.19              | 0.30            | 14        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00697-00002                     | 0.30                  | 1.70                         | 0.21              | 0.35            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00674-00006                     | 0.30                  | 1.70                         | 0.12              | 0.17            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00686-00002                     | 0.30                  | 1.70                         | 0.12              | 0.17            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00698-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00675-00006                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00687-00002                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00699-00002                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® Passivesun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00672-00006                     | 0.30                  | 1.70                         | 0.29              | 0.34            | 19        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00684-00002                     | 0.30                  | 1.70                         | 0.29              | 0.34            | 19        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00696-00002                     | 0.30                  | 1.70                         | 0.32              | 0.38            | 21        | < 0.2            | -                      | NC         | -          | -                        | -      | -      | -      |
|   | 3.9 tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |                        |            |            |                          |        |        |        |
|   | Low-E4®   | No Grilles   | AND-N-65-00703-00001                     | 0.29                  | 1.65                         | 0.23              | 0.39            | 17        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00703-00002                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00708-00001                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00718-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® Sun   | No Grilles   | AND-N-65-00704-00001                     | 0.30                  | 1.70                         | 0.14              | 0.21            | 11        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00704-00002                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00709-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00719-00001                     | 0.30                  | 1.70                         | 0.13              | 0.19            | 10        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-65-00705-00001                     | 0.29                  | 1.65                         | 0.16              | 0.35            | 13        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00705-00002                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00710-00001                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00720-00001                     | 0.29                  | 1.65                         | 0.14              | 0.31            | 12        | < 0.2            | -                      | NC         | SC         | S                        | -      | -      | -      |

| Andersen® Product Line & Product Type     | Andersen Glass Type                                   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHGC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |   |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|------------------------|--------|--------------------------|---|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South | Zone 1                 | Zone 2 | Zone 3                   |   |
| 400 Series Frenchwood® Patio Door Transom | Low-E4® PassiveSun®                                   | No Grilles   | AND-N-65-00702-00001                     | 0.30                  | 1.70                         | 0.37              | 0.43            | 24        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00702-00002                     | 0.30                  | 1.70                         | 0.31              | 0.38            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-65-00707-00001                     | 0.30                  | 1.70                         | 0.33              | 0.38            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00717-00001                     | 0.30                  | 1.70                         | 0.33              | 0.38            | 22        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                              |                   |                 |           |                  |            |            |       |                        |        |                          |   |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00703-00003                     | 0.29                  | 1.65                         | 0.19              | 0.30            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-65-00713-00001                     | 0.30                  | 1.70                         | 0.19              | 0.30            | 14        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00723-00001                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00704-00003                     | 0.30                  | 1.70                         | 0.12              | 0.16            | 10        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-65-00714-00001                     | 0.30                  | 1.70                         | 0.12              | 0.16            | 10        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00724-00001                     | 0.31                  | 1.76                         | 0.13              | 0.19            | 9         | < 0.2            | -          | -          | -     | S                      | -      | -                        | - |
|   | Low-E4® SmartSun™                                     | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00705-00003                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-65-00715-00001                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00725-00001                     | 0.30                  | 1.70                         | 0.14              | 0.31            | 11        | < 0.2            | -          | NC         | SC    | S                      | -      | -                        | - |
|   | Low-E4® PassiveSun®                                   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00702-00003                     | 0.30                  | 1.70                         | 0.28              | 0.33            | 19        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Full Divided Lite                                      | AND-N-65-00712-00001                     | 0.30                  | 1.70                         | 0.30              | 0.33            | 20        | < 0.2            | -          | NC         | -     | -                      | -      | -                        | - |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00722-00001                     | 0.31                  | 1.76                         | 0.33              | 0.38            | 20        | < 0.2            | -          | -          | -     | -                      | -      | -                        | - |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type              | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 | Canada ENERGY STAR v 4.1 |    |   |   |
|---|----------------------------------|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------------------------|----|---|---|
|   |                                  |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  |                          |    |   |   |
| <b>3.1 Tempered Glass - w/ No Grilles and Grilles Less Than 1"</b>      |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |   |   |
| 400 Series Frenchwood® Patio Door Transom (w/ Capillary Breather Tubes) | Low-E4®                          | No Grilles   | AND-N-65-00546-00001                     | 0.32                  | 1.82                         | 0.24              | 0.39            | 14        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00546-00002                     | 0.32                  | 1.82                         | 0.21              | 0.35            | 12        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00552-00001                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00564-00001                     | 0.32                  | 1.82                         | 0.21              | 0.35            | 12        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   | Low-E4® Sun                      | No Grilles   | AND-N-65-00547-00001                     | 0.32                  | 1.82                         | 0.15              | 0.22            | 9         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00547-00002                     | 0.32                  | 1.82                         | 0.14              | 0.19            | 8         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00553-00001                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00565-00001                     | 0.32                  | 1.82                         | 0.14              | 0.19            | 8         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   | Low-E4® SmartSun™                | No Grilles   | AND-N-65-00548-00001                     | 0.31                  | 1.76                         | 0.16              | 0.35            | 11        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00548-00002                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00554-00001                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00566-00001                     | 0.31                  | 1.76                         | 0.14              | 0.31            | 9         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   | Low-E4® PassiveSun®              | No Grilles   | AND-N-65-00545-00001                     | 0.32                  | 1.82                         | 0.38              | 0.43            | 22        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00545-00002                     | 0.32                  | 1.82                         | 0.34              | 0.38            | 20        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00551-00001                     | 0.33                  | 1.87                         | 0.34              | 0.38            | 18        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00563-00001                     | 0.32                  | 1.82                         | 0.34              | 0.38            | 20        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   | Low-E4® w/ Heatlock™             | No Grilles   | AND-N-65-00799-00001                     | 0.28                  | 1.59                         | 0.23              | 0.38            | 18        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00799-00002                     | 0.28                  | 1.59                         | 0.21              | 0.34            | 17        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00802-00001                     | 0.30                  | 1.70                         | 0.21              | 0.34            | 15        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00808-00001                     | 0.28                  | 1.59                         | 0.21              | 0.34            | 17        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   | Low-E4® SmartSun™ w/ Heatlock™   | No Grilles   | AND-N-65-00800-00001                     | 0.28                  | 1.59                         | 0.16              | 0.34            | 14        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00800-00002                     | 0.28                  | 1.59                         | 0.14              | 0.30            | 13        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00803-00001                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00809-00001                     | 0.28                  | 1.59                         | 0.14              | 0.30            | 13        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   | Low-E4® PassiveSun™ w/ Heatlock™ | No Grilles   | AND-N-65-00798-00001                     | 0.29                  | 1.65                         | 0.35              | 0.42            | 24        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00798-00002                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 22        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00801-00001                     | 0.30                  | 1.70                         | 0.31              | 0.37            | 20        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00807-00001                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 22        | < 0.2            | -          | NC         | -                      | -                        | -  | - | - |
| <b>3.1 Tempered Glass - w/ Grilles 1" or Greater</b>                    |                                  |  |  |                       |                              |                   |                 |           |                  |            |            |                        |                          |    |   |   |
| 400 Series Frenchwood® Patio Door Transom (w/ Capillary Breather Tubes) | Low-E4®                          | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00546-00003                     | 0.32                  | 1.82                         | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00558-00001                     | 0.32                  | 1.82                         | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00570-00001                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00547-00003                     | 0.32                  | 1.82                         | 0.12              | 0.17            | 7         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   | Low-E4® Sun                      | Full Divided Lite                                      | AND-N-65-00559-00001                     | 0.33                  | 1.87                         | 0.12              | 0.17            | 6         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00571-00001                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00548-00003                     | 0.31                  | 1.76                         | 0.13              | 0.27            | 9         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00560-00001                     | 0.32                  | 1.82                         | 0.13              | 0.27            | 7         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   | Low-E4® SmartSun™                | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00572-00001                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -                      | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00545-00003                     | 0.32                  | 1.82                         | 0.30              | 0.34            | 17        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00557-00001                     | 0.33                  | 1.87                         | 0.30              | 0.34            | 16        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00569-00001                     | 0.33                  | 1.87                         | 0.34              | 0.38            | 18        | < 0.2            | -          | -          | -                      | -                        | -  | - | - |
|   | Low-E4® w/ Heatlock™             | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00799-00003                     | 0.28                  | 1.59                         | 0.18              | 0.30            | 15        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   |                                  | Full Divided Lite                                      | AND-N-65-00805-00001                     | 0.30                  | 1.70                         | 0.18              | 0.30            | 13        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00811-00001                     | 0.29                  | 1.65                         | 0.21              | 0.34            | 16        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|   |                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00800-00003                     | 0.28                  | 1.59                         | 0.13              | 0.27            | 12        | < 0.2            | -          | NC         | SC                     | S                        | Z1 | - | - |
|   | Low-E4® SmartSun™ w/ Heatlock™   | Full Divided Lite                                      | AND-N-65-00806-00001                     | 0.29                  | 1.65                         | 0.13              | 0.27            | 11        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |
|   |                                  | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00812-00001                     | 0.29                  | 1.65                         | 0.14              | 0.30            | 12        | < 0.2            | -          | NC         | SC                     | S                        | -  | - | - |

| Andersen® Product Line & Product Type                                   | Andersen Glass Type   | Grille Type  | NFRC Certified Products Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup> Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            | U.S. ENERGY STAR v 6.0 |        | Canada ENERGY STAR v 4.1 |        |
|---|---|--|--|-----------------------|------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|------------------------|--------|--------------------------|--------|
|   |   |  |  |                       |                              |                   |                 |           | North            | N. Central | S. Central | South                  | Zone 1 | Zone 2                   | Zone 3 |
| 400 Series Frenchwood® Patio Door Transom (w/ Capillary Breather Tubes) | Low-E4® PassiveSun® w/ Heatlock™                                    | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00798-00003                     | 0.29                  | 1.65                         | 0.28              | 0.33            | 20        | < 0.2            | -          | -          | NC                     | -      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00804-00001                     | 0.30                  | 1.70                         | 0.28              | 0.33            | 19        | < 0.2            | -          | -          | NC                     | -      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00810-00001                     | 0.29                  | 1.65                         | 0.31              | 0.37            | 22        | < 0.2            | -          | -          | NC                     | -      | -                        | -      |
|   | 3.1 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |
|   | Low-E4®   | No Grilles   | AND-N-65-00546-00004                     | 0.32                  | 1.82                         | 0.24              | 0.39            | 14        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00546-00005                     | 0.32                  | 1.82                         | 0.21              | 0.35            | 12        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00552-00002                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® Sun   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00564-00002                     | 0.32                  | 1.82                         | 0.21              | 0.35            | 12        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | No Grilles   | AND-N-65-00547-00004                     | 0.32                  | 1.82                         | 0.15              | 0.22            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00547-00005                     | 0.32                  | 1.82                         | 0.14              | 0.19            | 8         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® SmartSun™   | Full Divided Lite                                      | AND-N-65-00553-00002                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00565-00002                     | 0.32                  | 1.82                         | 0.14              | 0.19            | 8         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | No Grilles   | AND-N-65-00548-00004                     | 0.31                  | 1.76                         | 0.16              | 0.35            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | 3.1 Tempered Pattern Glass - w/ Grilles 1" or Greater               |  |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |
|   | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00546-00006                     | 0.32                  | 1.82                         | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00558-00002                     | 0.32                  | 1.82                         | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00570-00002                     | 0.33                  | 1.87                         | 0.21              | 0.35            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® Sun   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00547-00006                     | 0.32                  | 1.82                         | 0.12              | 0.17            | 7         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00559-00002                     | 0.33                  | 1.87                         | 0.12              | 0.17            | 6         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00571-00002                     | 0.33                  | 1.87                         | 0.14              | 0.19            | 7         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® SmartSun™   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00548-00006                     | 0.31                  | 1.76                         | 0.13              | 0.27            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00560-00002                     | 0.32                  | 1.82                         | 0.13              | 0.27            | 7         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00572-00002                     | 0.32                  | 1.82                         | 0.14              | 0.31            | 8         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® Passivesun®   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00545-00006                     | 0.32                  | 1.82                         | 0.29              | 0.34            | 17        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00557-00002                     | 0.33                  | 1.87                         | 0.29              | 0.34            | 16        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00569-00002                     | 0.33                  | 1.87                         | 0.32              | 0.38            | 17        | < 0.2            | -          | -          | -                      | -      | -                        | -      |
|   | 3.9 Tempered Pattern Glass - w/ No Grilles and Grilles Less than 1" |  |  |                       |                              |                   |                 |           |                  |            |            |                        |        |                          |        |
|   | Low-E4®   | No Grilles   | AND-N-65-00576-00001                     | 0.32                  | 1.82                         | 0.23              | 0.39            | 13        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00576-00002                     | 0.32                  | 1.82                         | 0.21              | 0.34            | 12        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00581-00001                     | 0.33                  | 1.87                         | 0.21              | 0.34            | 11        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00591-00001                     | 0.32                  | 1.82                         | 0.21              | 0.34            | 12        | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® Sun   | No Grilles   | AND-N-65-00577-00001                     | 0.32                  | 1.82                         | 0.15              | 0.21            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00577-00002                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00582-00001                     | 0.33                  | 1.87                         | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00592-00001                     | 0.32                  | 1.82                         | 0.13              | 0.19            | 7         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   | Low-E4® SmartSun™   | No Grilles   | AND-N-65-00578-00001                     | 0.32                  | 1.82                         | 0.16              | 0.35            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00578-00002                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Full Divided Lite                                      | AND-N-65-00583-00001                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |
|   |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00593-00001                     | 0.32                  | 1.82                         | 0.15              | 0.31            | 9         | < 0.2            | -          | -          | -                      | S      | -                        | -      |

| Andersen®<br>Product Line &<br>Product Type  | Andersen<br>Glass<br>Type                             | Grille Type  | NFRC Certified<br>Products<br>Directory Number | U-Factor <sup>1</sup> | U-Factor <sup>1</sup><br>Metric | SHgC <sup>2</sup> | VT <sup>3</sup> | Canada ER | Air Infiltration |            |            |       | U.S.<br>ENERGY<br>STAR<br>v 6.0 | Canada<br>ENERGY<br>STAR<br>v 4.1 |   |
|--|---|--|--|-----------------------|---------------------------------|-------------------|-----------------|-----------|------------------|------------|------------|-------|---------------------------------|-----------------------------------|---|
|  |   |  |  |                       |                                 |                   |                 |           | North            | N. Central | S. Central | South |                                 |                                   |   |
| 400 Series<br>Frenchwood®<br>Patio Door<br>Transom (w/<br>Capillary Breather<br>Tubes) | Low-E4®<br>PassiveSun®                                | No Grilles   | AND-N-65-00575-00001                           | 0.32                  | 1.82                            | 0.37              | 0.43            | 21        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00575-00002                           | 0.32                  | 1.82                            | 0.31              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-65-00580-00001                           | 0.33                  | 1.87                            | 0.33              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00590-00001                           | 0.32                  | 1.82                            | 0.33              | 0.38            | 19        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  | 3.9 Tempered Pattern Glass - w/ Grilles 1" or Greater |  |  |                       |                                 |                   |                 |           |                  |            |            |       |                                 |                                   |   |
|  | Low-E4®   | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00576-00003                           | 0.32                  | 1.82                            | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-65-00586-00001                           | 0.32                  | 1.82                            | 0.19              | 0.30            | 11        | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00596-00001                           | 0.33                  | 1.87                            | 0.21              | 0.34            | 11        | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  | Low-E4®<br>Sun  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00577-00003                           | 0.32                  | 1.82                            | 0.12              | 0.16            | 7         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-65-00587-00001                           | 0.33                  | 1.87                            | 0.12              | 0.16            | 6         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00597-00001                           | 0.33                  | 1.87                            | 0.13              | 0.19            | 6         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  | Low-E4®<br>SmartSun™                                  | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00578-00003                           | 0.32                  | 1.82                            | 0.13              | 0.27            | 7         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-65-00588-00001                           | 0.32                  | 1.82                            | 0.13              | 0.27            | 7         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00598-00001                           | 0.33                  | 1.87                            | 0.15              | 0.31            | 8         | < 0.2            | -          | -          | -     | S                               | -                                 | - |
|  | Low-E4®<br>PassiveSun®                                | Simulated Divided Lite or Installed Interior Removable | AND-N-65-00575-00003                           | 0.32                  | 1.82                            | 0.28              | 0.33            | 16        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Full Divided Lite                                      | AND-N-65-00585-00001                           | 0.33                  | 1.87                            | 0.29              | 0.33            | 16        | < 0.2            | -          | -          | -     | -                               | -                                 | - |
|  |   | Finelight™ (grilles-between-the-glass)                 | AND-N-65-00595-00001                           | 0.33                  | 1.87                            | 0.33              | 0.38            | 18        | < 0.2            | -          | -          | -     | -                               | -                                 | - |