

## MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

# DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

### **NOTICE OF ACCEPTANCE (NOA)**

PGT Industries, Inc. 1070 Technology Drive North Venice, FL 34275

#### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

**DESCRIPTION:** Series "SS-3500" Aluminum Storefront System – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **MD-3500-2-LM**, titled "Storefront Window System Details - LM", sheets 1 through 16 of 16, dated 03/26/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

#### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 15-0612.08 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

J5/27/16

NOA No. 16-0505.04 Expiration Date: January 17, 2018 Approval Date: June 02, 2016 Page 1

#### PGT Industries, Inc.

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No. 12-1005.01)
- 2. Drawing No. MD-3500-2-LM, titled "Storefront Window System Details LM", sheets 1 through 16 of 16, dated 03/23/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per AAMA 1304-02, FBC 2411.3.2.1, and TAS 202-94

along with marked—up drawings and installation diagram of a storefront system with French door and transom, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7137, dated 12/10/12, signed and sealed by Marlin D. Brinson, P.E. (Submitted under previous NOA No. 12-1005.01)

- 2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per AAMA 1304-02, FBC 2411.3.2.1, and TAS 202-94

along with marked—up drawings and installation diagram of a storefront system with French door and transom, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7208, dated 01/04/13, signed and sealed by Marlin D. Brinson, P.E. (Submitted under previous NOA No. 12-1005.01)

#### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-5<sup>th</sup> Edition (2014), dated 06/05/15 and 05/02/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Glazing complies with ASTM E1300-09

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

Manuel Perez, P.E. Product Control Examiner

NOA No. 16-0505.04

Expiration Date: January 17, 2018 Approval Date: June 02, 2016

#### PGT Industries, Inc.

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.
- 2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.
- 3. QUANEX I.G. Super Spacer by Edgetech I.G., Inc. exterior flexible, organic foam spacer complying with ASTM C518 passed, ASTM F1249 passed, ASTM D3985 passed, ASTM D395B 22 HRS 185°F and ASTM E2190 passed.

#### F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC-5**<sup>th</sup> **Edition (2014)**, dated May 2, 2016, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Statement letter of no financial interest, dated May 2, 2016, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 3. Laboratory compliance letter for Test Reports No. FTL-7137, dated 12/10/12 and FTL-7208, dated 01/04/13, issued by Fenestration Testing Laboratory, Inc., both signed and sealed by Marlin D. Brinson, P.E.

#### G. OTHERS

1. Notice of Acceptance No. **15-0612.08**, issued to PGT Industries, Inc. for their Series "SS-3500" Aluminum Storefront System - L.M.I. approved on 07/30/15 and expiring on 01/17/18.

Manuel Perez, P.E. Product Control Examiner NOA No. 16-0505.04

Expiration Date: January 17, 2018 Approval Date: June 02, 2016

### GENERAL NOTES: SS-3500 IMPACT-RESISTANT STOREFRONT WINDOW SYSTEM

- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FBC, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- SHUTTERS ARE NOT REQUIRED PER FBC REQUIREMENTS, WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- GLAZING TYPE: SEE GLAZING DETAILS ON SHEET 15.
- **DESIGN PRESSURES:** 
  - A) NEGATIVE DESIGN LOADS BASED ON STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300
  - B) POSITIVE DESIGN LOADS BASED ON WATER INFILTRATION, STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300
- THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD.
- INSTALLATION SCREWS & FRAME CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
- DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING PRODUCT FRAMING, ANCHORAGE AND OPENING SUBSTRATES, SHALL BE COATED OR PROTECTED TO PREVENT CORROSIVE REACTIONS AS REQUIRED BY THE FLORIDA BUILDING CODE.
- REFERENCES: ELCO ULTRACON & CRETEFLEX NOA'S, ITW TAPCON NOA; TEST REPORTS FTL-7137, 7208 & 8717

#### **ANCHOR NOTES:**

- 1. FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO ANCHORS. SEE TABLE 1 ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
- FOR SUBSTRATE APPLICATIONS SEE TABLE 1 ON THIS SHEET.
- WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. PROPERLY SECURED, 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.
- SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER THE FBC AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX, 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE. AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

#### INSTRUCTIONS:

- DETERMINE THE BUILDING'S REQUIRED DESIGN PRESSURE USING THE ASCE 7 STANDARD. THE PRODUCT'S DESIGN PRESSURE MUST MEET OR EXCEED THIS VALUE.
- DETERMINE THE ANCHOR TYPE FROM TABLE 1, SHEET 1.
- DETERMINE THE GLASS DESIGN PRESSURE FROM TABLE 2, SHEET 4.
- JAMB ANCHOR SPACING IS GIVEN IN TABLES 5 & 6, SHEETS 7 & 8 AND HAVE BEEN CALCULATED FOR THE PRODUCT'S MAXIMUM DP.
- MID-PANEL ANCHOR QUANTITIES ARE GIVEN IN TABLES 7 & 8, SHEETS 9 & 10 AND HAVE BEEN CALCULATED FOR THE PRODUCT'S MAXIMUM DP.
- IF THE STOREFRONT WINDOW IS ATTACHED TO ANOTHER WINDOW THROUGH A COMMON MULLION: A) DETERMINE THE MULLION DESIGN PRESSURE FROM TABLE 9, SHEET 11.
  - B) DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO MULLION CLUSTER ANCHORAGE FROM TABLES 3 OR 4, SHEETS 5-6 BASED ON YOUR SHIM SPACE, ANCHOR TYPE AND THE QUANTITY OF ANCHORS REQUIRED TO ATTAIN THE REQUIRED DESIGN PRESSURE.
- 7. THE LOWEST DESIGN PRESSURE FROM 3 & 6 ABOVE, SHALL BE USED FOR THE ENTIRE ASSEMBLY.
- IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.

#### TABLE 1:

| Group          | Anchor                          | Substrate                                     | Min. Edge<br>Distance | Min.<br>Embedment | Min. O.C.<br>Distance |
|----------------|---------------------------------|---|-----------------------|-------------------|-----------------------|
| А              | #14 Steel or<br>410 SS SMS (G5) | P.T. Southern Pine<br>(SG=0.55)               | 1"                    | 1-3/8"            | 1"                    |
| n #14 Steel or |                                 | Aluminum, 6063-T5*<br>(0.125" min. thickness) | 3/8"                  | 1/8"              | 5/8"                  |
| В              | 410 SS SMS (G5)                 | Steel, A36*<br>(0.125" min. thickness)        | 3/8"                  | 1/8"              | 5/8"                  |
|                |                                 | Concrete<br>(min. 2.85 ksi)                   | 2-1/2"                | 1-3/8"            | 3"                    |
|                | 1/4" Elco Ultracon              | Grout-Filled CMU,<br>(ASTM C-90)              | 2-1/2"                | 1-3/4"            | 4"                    |
| С              |                                 | Ungrouted CMU,<br>(ASTM C-90)                 | 2-1/2"                | 1-1/4"            | 6"                    |
|                | 1/4" Elco 410 S.S.<br>CreteFlex | Ungrouted CMU,<br>(ASTM C-90)                 | 2-1/2"                | 1-1/4"            | 6"                    |
|                | 5/16" Elco Ultracon             | Ungrouted CMU,<br>(ASTM C-90)                 | 3-1/8"                | 1-1/4"            | 6"                    |
|                | 1/4" Elco 410<br>S.S. CreteFlex | Concrete<br>(min. 3.35 ksi)                   | 2-1/2"                | 1-3/4"            | 3"                    |
| D              | 5/16" Elco Ultracon             | Concrete<br>(min. 3.52 ksi)                   | 3-1/8"                | 2"                | . <b>3</b> "          |
|                | 3/10 Erco Onracon               | Grout-Filled CMU,<br>(ASTM C-90)              | 2-1/2"                | 2-1/4"            | 5"                    |
| E              | 3/8" Large Diameter             | Concrete<br>(min. 3 ksi)                      | 3"                    | 1-1/2"            | 4"                    |
| E              | ITW Tapcon                      | Ungrouted CMU,<br>(ASTM C-90)                 | 3"                    | 1-1/2"            | 6"                    |

IMPACT RATING RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

\* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA **BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY** HAVING JURISDICTION.

FOR STEEL STUDS, MIN. FU=45 KSI & MIN. FY=33 KSI

"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

ALL ANCHOR HEAD TYPES ARE ALLOWED.

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|  |

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0505 2018
Expiration Date

Miamy Dade Product Control

**GENERAL NOTES** 

Date:

Date:

J ROSOWSKI

STOREFRONT WINDOW SYSTEM DETAILS - LM 03/23/16

NOKOMIS, FL 34274 Series/Model SS-3500 CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE

N. VENICE, FL 34275

P.O. BOX 1529

Revised By:

Revised By:

NTS

Revision:

Revision:

Sheet: 1 OF 16 Drawina No MD-3500-2-LM

STANDARDS USED:

- •2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION ●ASTM E1300-09
- ANSI/AF&PA NDS-2012 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2010

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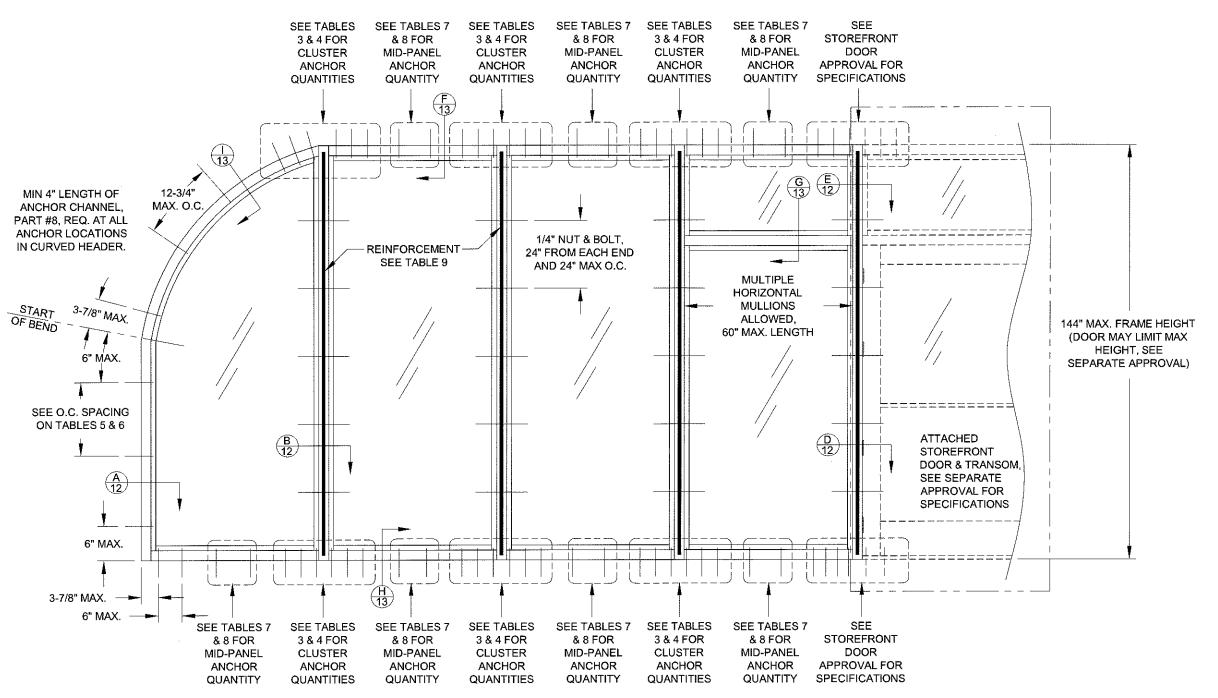
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No. 58705

A. LYNN MILLER, P.E.

P F # 58705

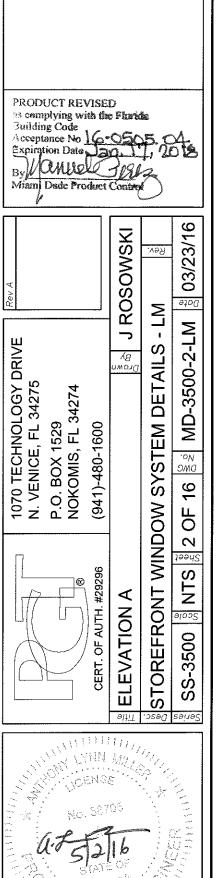
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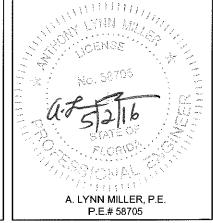


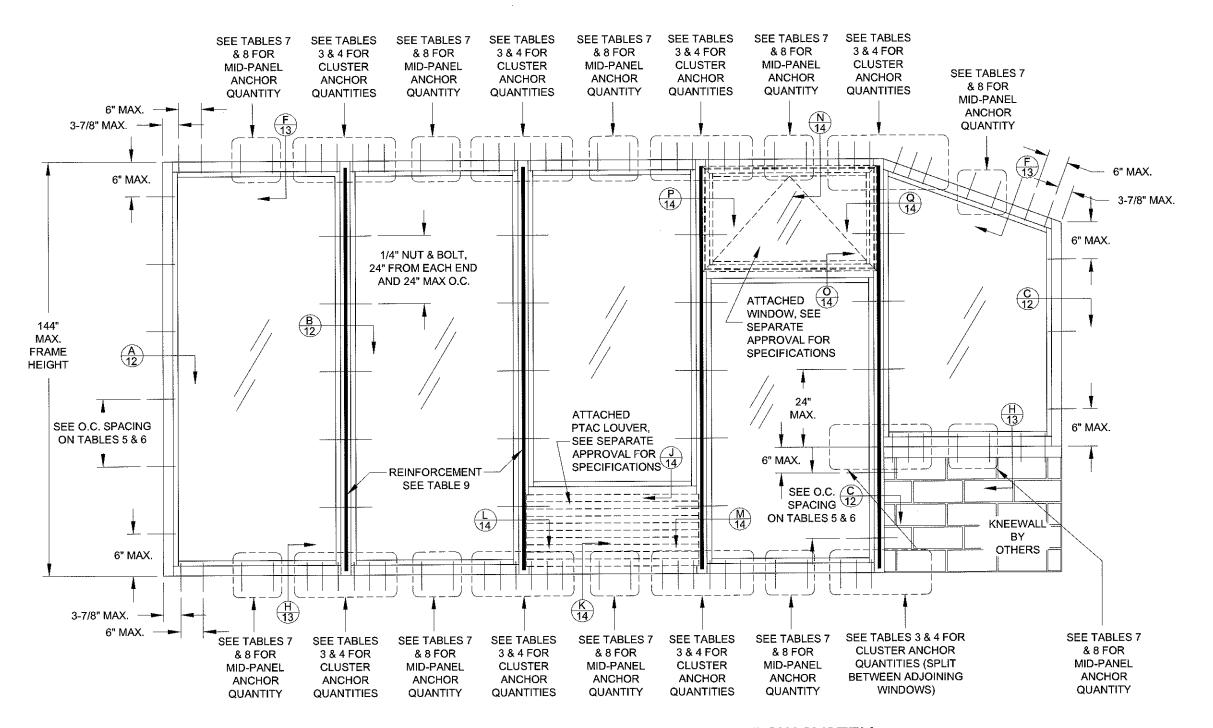
TYP. ELEVATION OF STOREFRONT WINDOW SYSTEM WITH EXAMPLES OF CURVED HEADER, HORIZONTAL **MULLION & STOREFRONT DOOR** 

#### NOTES:

- IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
- SEE TABLES FOR MAXIMUM ALLOWED SIZES.
- SEE SHEET 4 FOR DAYLIGHT OPENING (DLO) FORMULAS.



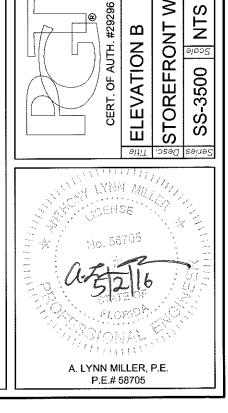




TYP. ELEVATION OF STOREFRONT WINDOW SYSTEM WITH EXAMPLES OF WINDOW INSERT, PTAC INSERT, **KNEEWALL & ANGLED HEADER** 

#### NOTES:

- 1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
- SEE TABLES FOR MAXIMUM ALLOWED SIZES.
- AWNING WINDOW INSERT SHOWN BUT MAY BE ANY APPROVED PGT WINDOW WITH A FLANGED FRAME.
- SEE SHEET 4 FOR DAYLIGHT OPENING (DLO) FORMULAS.
- MULTIPLE INSERTS WITHIN THE SAME STOREFRONT WINDOW ALLOWED.



PRODUCT REVISED

Building Code

DRIVE

1070 TECHNOLOGY D N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274

as complying with the Florida

Expiration Date Jan 11, 2018

ROSOWSKI

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Orawn By

(941)-480-1600

**∑** -

S

**DETAIL** 

SYSTEM

WINDOW

 $\mathbf{B}$ 

03/23/16

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| TABLE 2:   |  | Gl                 | ass DP. | (+/-psf)   | & Maxim      | um Size        |              | <u> </u>   |                |   |            |   |
|------------|--|--------------------|---------|--|--------------|----------------|--------------|--|----------------|---|------------|---|
| Centerline | Frame  | DLO                | DLO     | Glass  | Glass        | Glass          | Glass        | Glass  | Glass          |   | Centerlin  | e |
| Width      | Height   | Width              | Height  | Type "A"   | Type "B"     | Type "C"       |              | Туре "Е"   | Type "F"       |   | Width      | _ |
| 24"        |  | 20-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 24*        | _ |
| 30"        |  | 26-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 30*        |   |
| 36"        |  | 32-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 36"        |   |
| 42"        |  | 38-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0<br>120.0 |   | 42"<br>48" | _ |
| 48"<br>54" |  | 44-1/4"<br>50-1/4" |         | 90.0   | 80.0<br>80.0 | 120.0<br>120.0 | 90.0         | 80.0<br>80.0                                     | 120.0          |   | 54"        | _ |
| 60"        |  | 56-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 60"        | - |
| 70"        |  | 66-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 70"        | _ |
| 72"        | 48*  | 68-1/4"            | 42-1/2" | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 72"        |   |
| 84"        | 40   | 80-1/4"            | 42-1/2  | 84.5   | 80.0         | 120.0          | 84.5         | 80.0   | 120.0          |   | 24"        |   |
| 90"        |  | 86-1/4"            |         | 82.3   | 80.0         | 120.0          | 82.3         | 80.0   | 120.0          |   | 30*        | _ |
| 92"<br>96" |  | 88-1/4"<br>92-1/4" |         | 81.7<br>80.5                                     | 80.0<br>80.0 | 120.0<br>120.0 | 81.7<br>80.5 | 80.0<br>80.0                                     | 120.0<br>120.0 |   | 36"<br>42" | _ |
| 102"       |  | 98-1/4"            |         | 00.5   |              | 120.0          | 00.0         | 00.0   | 120.0          |   | 48"        | - |
| 108"       |  | 104-1/4*           |         |  |              | 120.0          |              | <u> </u>   | 120.0          | 1 | 54*        |   |
| 120"       |  | 116-1/4"           |         |  |              | 120.0          |              | -  | 120.0          |   | 60*        | _ |
| 132"       |  | 128-1/4"           |         |  |              | 100.0          |              |  | 100.0          |   | 70*        |   |
| 144"       |  | 140-1/4"           |         |  |              | 100.0          |              |  | 100.0          |   | 72*        | _ |
| 24"        |  | 20-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 24*<br>30* | _ |
| 30"<br>36" |  | 26-1/4"<br>32-1/4" |         | 90.0<br>90.0                                     | 80.0<br>80.0 | 120.0<br>120.0 | 90.0<br>90.0 | 80.0<br>80.0                                     | 120.0<br>120.0 |   | 36"        |   |
| 42"        |  | 38-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 42"        |   |
| 48"        |  | 44-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 48"        | _ |
| 54"        |  | 50-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 54"        |   |
| 60"        |  | 56-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 60*        |   |
| 70"        | 60°  | 66-1/4"            | 54-1/2" | 84.5   | 80.0         | 120.0          | 84.5         | 80.0   | 120.0          |   | 70"        | _ |
| 72"        |  | 68-1/4"            |         | 82.8   | 80.0         | 120.0<br>119.5 | 82.8         | 80.0   | 120.0<br>119.5 |   | 24"<br>30" | _ |
| 84"<br>90" |  | 80-1/4"<br>86-1/4" |         |  | <del></del>  | 115.2          | <del> </del> |  | 115.2          |   | 36"        | _ |
| 92"        |  | 88-1/4"            |         |  |              | 114.0          |              | -  | 114.0          |   | 42"        | _ |
| 96"        |  | 92-1/4"            |         |  |              | 111.7          |              |  | 111.7          |   | 48"        | _ |
| 102"       | Ì  | 98-1/4"            |         |  |              | 100.0          |              |  | 100.0          |   | 54"        | _ |
| 108"       |  | 104-1/4"           |         |  |              | 100.0          |              |  | 100.0          |   | 60*        |   |
| 120"       |  | 116-1/4"           |         | 00.0   |              | 100.0          | 00.0         | 80.0   | 100.0<br>120.0 |   | 24"<br>30" | _ |
| 24"<br>30" |  | 20-1/4"<br>26-1/4" |         | 90.0<br>90.0                                     | 80.0         | 120.0<br>120.0 | 90.0         | 80.0<br>80.0                                     | 120.0          |   | 36"        | _ |
| 36"        |  | 32-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 42"        | - |
| 42"        | 1  | 38-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 48"        |   |
| 48"        | 1  | 44-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 54"        |   |
| 54"        |  | 50-1/4"            |         | 85.8   | 80.0         | 120.0          | 85.8         | 80.0   | 120.0          |   | 60"        |   |
| 60"        | 72"  | 56-1/4"            | 66-1/2" | 82.8   | 80.0         | 120.0<br>120.0 | 82.8         | 80.0   | 120.0          |   | 24"<br>30" |   |
| 70"        |  | 66-1/4"<br>68-1/4" |         |  |              | 120.0          |              |  | 120.0<br>120.0 |   | 36"        |   |
| 84"        | 1  | 80-1/4"            |         |  |              | 100.0          |              |  | 100.0          |   | 42"        | _ |
| 90"        | 1  | 86-1/4"            |         |  |              | 100.0          |              |  | 100.0          |   | 48*        | _ |
| 92"        | 1  | 88-1/4"            |         |  |              | 100.0          |              |  | 100.0          |   | 54*        | _ |
| 96"        |  | 92-1/4"            |         |  |              | 100.0          |              |  | 100.0          |   | 60"        |   |
| 24"        |  | 20-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 24*        | _ |
| 30"        |  | 26-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0<br>90.0 | 80.0<br>80.0                                     | 120.0<br>120.0 |   | 30*<br>36* | _ |
| 36"<br>42" | -  | 32-1/4"<br>38-1/4" |         | 90.0<br>90.0                                     | 80.0         | 120.0<br>120.0 | 90.0         | 80.0   | 120.0          |   | 42"        | _ |
| 48"        | 1  | 44-1/4"            |         | 87.2   | 80.0         | 120.0          | 87.2         | 80.0   | 120.0          |   | 48*        |   |
| 54"        | 701  | 50-1/4"            | 70 4/01 | 82.1   | 80.0         | 120.0          | 82.1         | 80.0   | 120.0          |   | 54*        | _ |
| 60"        | 78"  | 56-1/4"            | 72-1/2" | 78.5   | 78.5         | 120.0          | 78.5         | 78.5   | 120.0          |   | 24*        |   |
| 70"        | ]  | 66-1/4"            |         |  |              | 119.4          |              |  | 119.4          |   | 30°        |   |
| 72"        | ]  | 68-1/4"            |         |  | <u> </u>     | 118.9          |              |  | 118.9          |   | 36*        |   |
| 84"        | 1  | 80-1/4"            |         |  |              | 100.0          |              | -  | 100.0          |   | 42*<br>48* | _ |
| 90"<br>92" | }  | 86-1/4"<br>88-1/4" | 1       | <del>                                     </del> | -            | 100.0          | <del> </del> | <del>                                     </del> | 100.0          |   | 54*        | _ |
| 24"        | <del>                                     </del> | 20-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 24"        | _ |
| 30"        | 1  | 26-1/4"            | 1       | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 30"        |   |
| 36"        | ]  | 32-1/4"            | ]       | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 36*        |   |
| 42"        | ]  | 38-1/4"            |         | 90.0   | 80.0         | 120.0          | 90.0         | 80.0   | 120.0          |   | 42"        | _ |
| 48"        | 84"  | 44-1/4"            | 78-1/2" | 84.5<br>79.1                                     | 80.0<br>79.1 | 120.0<br>120.0 | 84.5<br>79.1 | 80.0<br>79.1                                     | 120.0<br>120.0 |   | 48"<br>24" | _ |
| 54"<br>60" | +  | 50-1/4"<br>56-1/4" | 1       | / 5.1  | 19.1         | 119.5          | 10.1         | 13.1   | 119.5          |   | 30"        |   |
| 70"        | 1  | 66-1/4"            | 1       |  | †            | 100.0          |              | <del>                                     </del> | 100.0          |   | 36"        |   |
| 72"        |  | 68-1/4"            | 1       |  |              | 100.0          |              |  | 100.0          |   | 42"        | _ |
| 84"        | 1  | 80-1/4"            |         |  |              | 100.0          |              |  | 100.0          |   | 48"        |   |
|            |  |                    | 1       |  |              |                |              |  |                |   |            |   |

|   | Glass Types   |
|---|---|
| A | Lami: 1/4"A, .090" SG, 1/4"A                            |
| В | Lami: 1/4"HS, .090" PVB, 1/4"HS                         |
| С | Lami: 1/4"HS, .090" SG, 1/4"HS                          |
| D | Lami IG: 1/4"A, .090" SG, 1/4"A, AIRSPACE, 1/4"T CAP    |
| Е | Lami IG: 1/4"HS, .090" PVB, 1/4"HS, AIRSPACE, 1/4"T CAP |
| F | Lami IG: 1/4"HS, .090" SG, 1/4"HS, AIRSPACE, 1/4"T CAP  |

SEE SHEET 15 FOR FULL GLASS DESCRIPTIONS.

Glass DP, (+/-psf) & Maximum Size

90.0 80.0

82.3 80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

80.0

90.0

90.0

90.0

90.0

90.0

90.0

90.0

90.0

85.6

90.0

90.0

90.0

90.0

90.0

90.0

90.0

90.0

86.9

92-1/4" 80.0

90.0

Frame

Height

90"

97-3/4"

102"

108"

114"

120"

126"

144"

Width

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

50-1/4"

56-1/4"

66-1/4"

68-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

50-1/4"

56-1/4"

66-1/4"

68-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

50-1/4"

56-1/4"

66-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

50-1/4"

56-1/4"

20-1/4"

26-1/4"

32-1/4"

44-1/4"

50-1/4"

56-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

50-1/4"

56-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

50-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4" 50-1/4"

20-1/4°

26-1/4" 32-1/4" 132-1/2"

38-1/4"

44-1/4"

20-1/4"

26-1/4"

32-1/4"

38-1/4"

44-1/4"

38-1/4" 108-1/2"

114-1/2"

120-1/2"

126-1/2"

138-1/2"

96-1/2"

102-1/2"

Height

84-1/2"

Glass

80.0

80.0

80.0

90.0 80.0

87.9 80.0

80.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

90.0 80.0

80.0

120.0

100.0

100.0

120.0

120.0

120.0

100.0

100.0

120.0

120.0

120.0

120.0

100.0

100.0

120.0

120.0

100.0

100.0

120.0

120.0

120.0

100.0

100.0

80.0

80.0

90.0

86.9

120.0 85.6 80.0

120.0 90.0 80.0

120.0 90.0 80.0

120.0 90.0

90.0 80.0 120.0 90.0 80.0 120.0

120.0

120.0

120.0

120.0

120.0

115.2

100.0

100.0

120.0

Type "A" Type "B" Type "C" Type "D" Type "E" Type "F"

120.0

120.0

120.0

120.0

120.0

115.2

100.0

100.0

120.0

120.0

120.0

120.0

117.9

100.0

100.0

98.9

120.0

120.0

120.0

120.0

120.0

116.1

100.0

97.9

80.0 120.0

120.0

120.0

100.0

100.0

120.0

120.0

120.0

120.0

120.0

100.0

100.0

120.0

120.0

100.0

100.0

120.0

120.0

120.0

100.0

100.0

120.0

120.0

120.0

100.0

100.0

120.0

100.0

100.0

120.0

120.0

120.0

100.0

100.0

120.0 90.0 80.0

90.0 80.0 120.0 90.0 80.0 120.0

120.0

80.0 120.0 90.0 80.0

80.0 120.0

90.0 80.0 120.0 90.0 80.0 120.0

90.0

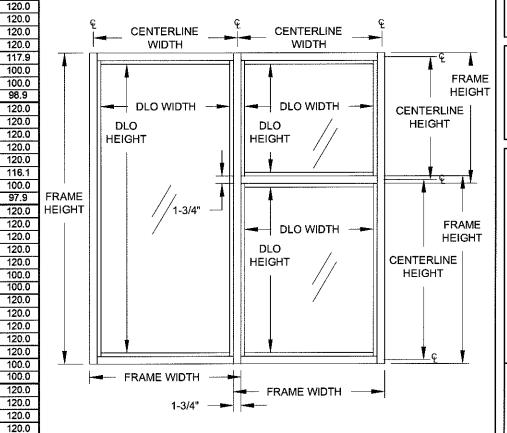
90.0

90.0

90.0

90.0 80.0

82.3 80.0



#### DLO (DAYLIGHT OPENING) FORMULAS:

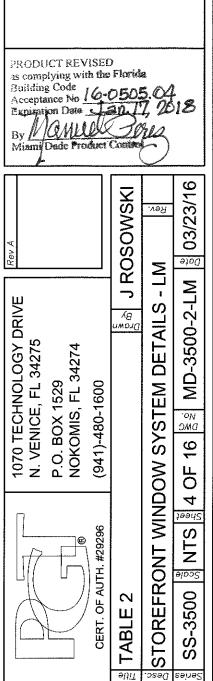
FRAME WIDTH - 5-1/2" = DLO WIDTH FRAME HEIGHT - 5-1/2" = DLO HEIGHT

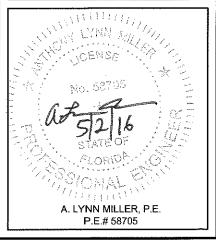
CENTERLINE WIDTH - 3-3/4" = DLO WIDTH CENTERLINE HEIGHT - 3-3/4" = DLO HEIGHT

CENTERLINE WIDTH - 2-1/4" = GLASS WIDTH CENTERLINE HEIGHT - 2-1/4" = GLASS HEIGHT FRAME WIDTH - 4" = GLASS WIDTH FRAME HEIGHT - 4" = GLASS HEIGHT

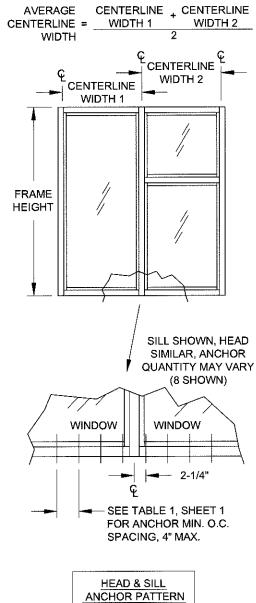
#### NOTES:

- 1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
- DLO = DAYLIGHT OPENING
- SEE SHEET 15 FOR DESCRIPTIONS OF GLASS TYPES.



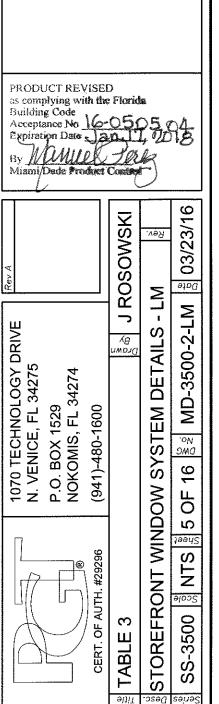


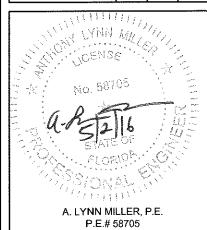
| TABLE 3               | TABLE 3:  Mullion Anchor Cluster Design Pressure at Head/Sill, (+/- psf)  Shim Thickness: |  |  |  |   |                                |                    | : A -        | -h Chiete - De       | naire Dranauro et Us                   | ad/Cill (1/ mas)                                 |   | nirn Thickness: 1/4 | ir]             |
|-----------------------|---|--|--|--|---|--------------------------------|--------------------|--------------|----------------------|--|--|---|---------------------|-----------------|
|                       | Mullio  | on Anchor Cluster De<br>Group "A"              | esign Pressure at He<br>Group "B"              | ead/Sill, (+/- psf) Group "C"  | Group "D"                               | m Thickness: 1/4"<br>Group "E" | Average            | llon An      | Group "A"            | esign Pressure at He<br>Group "B"      | ad/Sill, (+/- pst) Group "C"                     | Group "D"                                       | Group "E"           | -               |
| Average<br>Centerline | Frame<br>Height   | Anchor Quantity                                | Anchor Quantity                                | Anchor Quantity  | Anchor Quantity                         | Anchor Quantity                | Centerline Heigh   |              | nchor Quantity       | Anchor Quantity                        | Anchor Quantity                                  | Anchor Quantity                                 | Anchor Quantity     | 4               |
| Width<br>24*          |   | 4 6 8<br>120.0 120.0 120.0                     | 4 6 8<br>120.0 120.0 120.0                     | 4 6 8<br>120.0 120.0 120.0   | 4 6 8<br>120.0 120.0 120.0              | 4 6<br>120.0 120.0             | Width 24"          | 120.         | 6 8<br>0 120.0 120.0 | 4 6 8<br>120.0 120.0 120.0             | 4 6 8<br>120.0 120.0 120.0 1                     | 4 6 8<br>20.0 120.0 120.0                       | 4 6<br>120.0 120.0  | 20              |
| 30"                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       | 120.0 120.0                    | 30°                | 120.         | 0 120.0 120.0        |  |  | 20.0 120.0 120.0                                |                     | -               |
| 36"<br>42"            |   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0   | 120.0   120.0   120.0   120.0           | 120.0 120.0<br>120.0 120.0     | 36"<br>42"         | 120.<br>117. |                      |  |  | 20.0   120.0   120.0<br>20.0   120.0   120.0    |                     | _ `             |
| 48"                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       | 120.0 120.0                    | 48" 90"            | 107.         |                      |  |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            | <u> </u>            |                 |
| 54"<br>60*            |   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0   | <del></del>                             | 120.0 120.0<br>120.0 120.0     | 54"<br>60"         | 100.<br>94.8 |                      |  |  | 20.0 120.0 120.0                                |                     | <b>⊣</b>        |
| 70*                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  |   | 120.0 120.0                    | 70"                | 88.4         |                      |  |  | 20.0 120.0 120.0                                |                     |                 |
| 72"<br>84"            | 48"   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0   |   | 120.0 120.0<br>120.0 120.0     | 72"<br>24"         | 87.5<br>120. |                      |  |  | 20.0   120.0   120.0<br>20.0   120.0   120.0    |                     | <b>⊣</b>        |
| 90"                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  |   | 120.0 120.0                    | 30"                | 120.         |                      |  |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            |                     | <b>⊣</b> i      |
| 92"                   |   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0   | <del></del>                             | 120.0 120.0<br>120.0 120.0     | 36"<br>42"         | 118.<br>105. |                      |  |  | 20.0   120.0   120.0<br>20.0   120.0   120.0    |                     | _               |
| 102"                  | <u> </u>  | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  |   | 120.0 120.0                    | 48" 97-3/-         |              |                      |  |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            |                     |                 |
| 108*                  |   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0   |   | 120.0 120.0<br>120.0 120.0     | 54"<br>60"         | 89.0<br>83.7 |                      |  |  | 20.0 120.0 120.0                                |                     | _               |
| 132"                  | 1   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              |  |   | 120.0 120.0                    | 70"                | 77.4         |                      | 107.2 120.0 120.0<br>105.9 120.0 120.0 |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            |                     | - <b> </b>   '' |
| 144"<br>24"           |   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0   120.0   120.0<br>120.0   120.0   120.0 |  | + | 120.0 120.0<br>120.0 120.0     | 72"<br>24"         | 120.         |                      |  |  | 20.0 120.0 120.0                                |                     | _               |
| 30"                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              |  |   | 120.0 120.0                    | 30*                | 120.         |                      |  |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            |                     |                 |
| 36"<br>42"            |   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 36*<br>42*         | 112.<br>100. |                      |  |  | 20.0 120.0 120.0                                |                     | _               |
| 48*                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  |   | 120.0 120.0                    | 48" 102            | 90.9         |                      | <del> </del>                           |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            |                     | _               |
| 54*<br>60*            | 1   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 54"<br>60"         | 84.0<br>78.1 |                      |  |  | 20.0 120.0 120.0<br>120.0 120.0 120.0           |                     | _               |
| 70"                   | 60"   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       | 120.0 120.0                    | 70"                | 72.5         |                      |  |  | 14.7 120.0 120.0<br>120.0 120.0 120.0           |                     | _               |
| 72"<br>84"            | 1   | 120.0   120.0   120.0   120.0                  | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 24*<br>30"         | 120.<br>120. |                      |  |  | 20.0   120.0   120.0<br> 20.0   120.0   120.0   | -                   | _               |
| 90"                   | 1   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | The state of the s |   | 120.0 120.0                    | 36"<br>42" 108     | 105.         |                      |  |  | 20.0   120.0   120.0<br> 20.0   120.0   120.0   | <del> </del>        | _               |
| 92"                   |   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 42" 108<br>48"     | 93.1         |                      |  |  | 20.0   120.0   120.0   120.0   120.0            |                     |                 |
| 102"                  | 1   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | <del></del>                             | 120.0 120.0                    | 54"                | 77.8         |                      | ~ <del></del>                          |  | 20.0   120.0   120.0  <br> 15.0   120.0   120.0 |                     | _               |
| 108*                  | 1   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 60"<br>24"         | 72.<br>120.  | ·                    |  |  | 20.0 120.0 120.0                                |                     | _               |
| 24"                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              |  |   | 120.0 120.0                    | 30"                | 114.         |                      |  |  | 20.0 120.0 120.0<br>20.0 120.0 120.0            | +                   | _               |
| 30"                   |   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 36"<br>42" 114     | 98.4<br>87.  |                      | <u> </u>                               | <u> </u>   | 20.0 120.0 120.0                                |                     | _               |
| 42"                   |   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              |  |   | 120.0 120.0                    | 48*                | 78.3         |                      |  | <del>                                     </del> | 20.0 120.0 120.0<br>114.5 120.0 120.0           |                     |                 |
| 48"<br>54"            | _   | 120.0   120.0   120.0<br>120.0   120.0   120.0 | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 54 <b>"</b><br>60" | 72.4<br>67.5 |                      | <del></del>                            |  | 106.7 120.0 120.0                               |                     | _               |
| 60*                   | 72"   | 120.0 120.0 120.0                              | <del> </del>                                   |  |   | 120.0 120.0                    | 24*                | 120.         |                      |  |  | 20.0   120.0   120.0<br> 20.0   120.0   120.0   |                     |                 |
| 70"                   | _   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |   | 120.0 120.0<br>120.0 120.0     | 30*<br>36*         | 108.<br>92.0 |                      | +                                      |  | 20.0 120.0 120.0                                | +                   | <b>⊣</b> i      |
| 84*                   |   | 120.0 120.0 120.0                              |  |  |   | 120.0 120.0                    | 42* 120            |              |                      |  |  | 20.0 120.0 120.0<br>16.8 120.0 120.0            |                     | <b>⊣</b>        |
| 90*                   | -   | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |  |   | 120.0 120.0<br>120.0 120.0     | 48"<br>54*         | 73.6<br>67.1 |                      |  |  | 107.1 120.0 120.0                               |                     | <b>⊣</b> i      |
| 96"                   |   | 120.0 120.0 120.0                              |  |  |   | 120.0 120.0                    | 60"<br>24"         | 63.0<br>120. |                      |  |  | 99.6 120.0 120.0<br>20.0 120.0 120.0            |                     | <b>⊣</b>        |
| 30"                   | -   | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |  |   | 120.0 120.0<br>120.0 120.0     | 30"                | 102.         |                      |  |  | 20.0 120.0 120.0                                |                     | <b>⊸</b>        |
| 36"                   | ]   | 120.0 120.0 120.0                              |  |  |   | 120.0 120.0                    | 36° 126            | 87.5<br>77.  |                      |  |  | 120.0   120.0   120.0<br>120.0   120.0   120.0  |                     | <b>⊣</b>        |
| 42"                   | _   | 120.0 120.0 120.0<br>120.0 120.0 120.0         | <del> </del>                                   |  |   | 120.0 120.0<br>120.0 120.0     | 48"                | 69.          |                      |  | 92.9 120.0 120.0 1                               | 09.9 120.0 120.0                                | 116.0 120.0         | <b>⊣</b>        |
| 54"                   | 78"   | 120.0 120.0 120.0                              |  |  |   |                                | 54"<br>24"         | 63.6<br>118. |                      |  | <u> </u>   | 100.6   120.0   120.0<br>120.0   120.0   120.0  |                     |                 |
| 60"<br>70"            | 1   | 118.1   120.0   120.0<br>113.0   120.0   120.0 |  |  |   |                                | 30"                | 96.1         |                      | 120.0 120.0 120.0                      |  | 20.0 120.0 120.0                                |                     | ***             |
| 72"                   | 1   | 112.5 120.0 120.0                              |  |  |   |                                | 36" 132            | 82.          |                      |  |  | 120.0   120.0   120.0<br>115.4   120.0   120.0  |                     |                 |
| 90"                   | -   | 111.8 120.0 120.0<br>111.8 120.0 120.0         |  |  |   | 120.0 120.0<br>120.0 120.0     | 42"                | 73.0<br>65.6 |                      |  |  | 103.8 120.0 120.0                               | 109.6 120.0         |                 |
| 92*                   | ļ   | 111.8 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       |                                | 54"                | 60.0         |                      |  |  | 94.9 120.0 120.0<br>120.0 120.0 120.0           |                     |                 |
| 30"                   | 1   | 120.0 120.0 120.0<br>120.0 120.0 120.0         |  |  |   | 120.0 120.0<br>120.0 120.0     | 24"<br>30"         | 92.          |                      |  | 120.0 120.0 120.0 1                              | 120.0 120.0 120.0                               | 120.0 120.0         | -1              |
| 36"                   | 1   | 120.0 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       | 120.0 120.0                    | 36" 138            |              | <del></del>          | + +                                    |  | 20.0 120.0 120.0<br>109.5 120.0 120.0           |                     |                 |
| 42"<br>48"            | -   | 120.0 120.0 120.0<br>118.1 120.0 120.0         |  |  |   | 120.0 120.0<br>120.0 120.0     | 42"<br>48"         | 69.:<br>62.: |                      |  |  | 98.3 120.0 120.0<br>98.3 120.0 120.0            |                     | _               |
| 54"                   | 84"   | 110.5 120.0 120.0                              | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       | 120.0 120.0                    | 24"                | 107.         |                      |  |  | 120.0 120.0 120.0<br>120.0 120.0 120.0          |                     | ****            |
| 60"<br>70"            | -   | 105.0 120.0 120.0<br>99.2 120.0 120.0          | <del></del>                                    |  | 120.0 120.0 120.0<br>120.0 120.0 120.0  | 120.0 120.0<br>120.0 120.0     | 30"<br>36" 144     | 87.9<br>75.0 |                      |  |  | 120.0 120.0 120.0<br>118.6 120.0 120.0          |                     | _               |
| 72"                   | ]   | 98.4 120.0 120.0                               | 120.0 120.0 120.0                              | 120.0 120.0 120.0  | 120.0 120.0 120.0                       | 120.0 120.0                    | 42"                | 65.5         |                      |  |  | 104.1 120.0 120.0<br>93.4 120.0 120.0           |                     | _               |
| 84                    | <u> </u>  | 96.4 120.0 120.0                               | 120.0 120.0 120.0                              | 120.0   120.0   120.0  | 120.0   120.0   120.0                   | 120.0 120.0                    | 48"                | 59.          | 1   88.6   118.1     | 120.0                                  | 79.0   118.5   120.0                             | 30.4   120.0   120.0                            | 90.0 120.0          | _               |



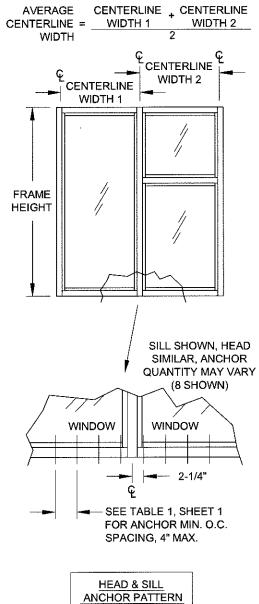
### NOTES:

1. IF COMBINED WITH ANOTHER
ASSEMBLY WITH A SEPARATE
APPROVAL, (STOREFRONT ENTRANCE
DOOR, PTAC LOUVER OR WINDOW
INSERT) THE LESSER DESIGN
PRESSURE VALUE OF ANY ASSEMBLY
OR THE STOREFRONT WINDOW SHALL
BE THE DESIGN PRESSURE FOR THE
ENTIRE SYSTEM.



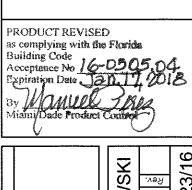


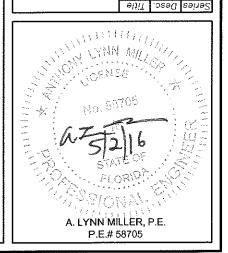
| Mathor Notice   Mathor Notic   | TABLE 4:                                       |          |  |  |  |  |             |                   |                  |  |                      |                   | 7.1             | <br> |
|--|--|----------|--|--|--|--|-------------|-------------------|------------------|--|----------------------|-------------------|-----------------|------|
| Second Perform   |  | Mulli    |  | , ,  | · · · · · · · · · · · · · · · · · · ·            |  |             |                   |                  |  |                      |                   |                 |      |
| West      | - 1  |          | <u> </u>   | i '  |  | •  |             | Centerline Height | Anchor Quantity  |  | Anchor Quantity      | Anchor Quantity   | Anchor Quantity |      |
| Secondary   Seco   |  | ricigiit |  | <u> </u>   |  |  |             | vvidth            | 4 6 8            |  |                      |                   |                 |      |
| The column   The   |  |          |  |  |  | <del></del>                                      | 1           | l ———             |                  |  |                      |                   |                 |      |
| The column   The   |  |          |  |  |  |  |             |                   |                  |  |                      |                   |                 | CE   |
| The column   The   |  |          | <del>                                     </del> |  |  |  |             | I 1               |                  |  |                      |                   |                 |      |
| The column   The   |  |          | <del>  </del>                                    |  |  |  |             |                   |                  | <del>*</del>                                       |                      | <del></del>       |                 |      |
| Fig.      |  |          |  |  |  |  |             |                   |                  |  | 78.0 117.0 120.0 99  |                   |                 | l    |
| The column   The   | ı —  | 48"      |  |  |  |  |             |                   |                  |  |                      |                   |                 | l    |
| The column   The   |  |          |  |  |  |  |             | I I               |                  |  |                      |                   |                 | l    |
| The column   The   |  |          |  |  | + + + - +  |  |             |                   |                  |  |                      |                   |                 | l    |
| The column   The   |  |          |  |  |  |  |             | i                 |                  |  |                      |                   |                 | l    |
| The column   The   |  | ·<br>!   |  |  | <del> </del>                                     | 1  |             |                   |                  |  |                      |                   |                 | l    |
| The column   The   | 1  |          |  |  | <del>                                     </del> | 1  | ****        | l                 |                  |  |                      |                   |                 | F    |
| The column   The   |  |          |  |  | <del> </del>                                     |  |             |                   |                  |  |                      |                   |                 | Н    |
| The column   The   |  |          | <del></del>                                      |  | <del>                                     </del> | 4  |             | l ———             |                  |  |                      |                   |                 |      |
| May   1800   1   |  |          | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                |  | 3           |                   |                  |  |                      |                   |                 |      |
| Fig.      |  |          |  |  |  |  |             | 1 1112            |                  | <del></del>  |                      |                   |                 |      |
| The column   The   | 54"  |          | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                |  |             |                   |                  |  |                      |                   |                 |      |
| Part   |  |          |  | + + +  |  | ·  |             |                   |                  | <del></del>  |                      |                   |                 |      |
| Thin      | 72"  | 60"      | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                |  |             |                   |                  |  |                      |                   |                 |      |
| Fig.      |  | ,        |  | <del>                                     </del> |  |  |             | ł <b> </b>        |                  |  |                      | <del></del>       |                 |      |
| 1  | 92"  |          | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 |                   |                  |  |                      |                   |                 |      |
| Total   Tota   | 1  |          |  |  | <del></del>                                      | <del>                                     </del> |             |                   |                  |  |                      |                   |                 |      |
| 140   150    | 108"   |          | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 |                   | 46.9 70.4 93.8   |  |                      |                   |                 |      |
| \$\frac{3}{3}\frac{3}\frac{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}{3}\frac{3}\frac{3}{3}\frac{3}{3}\frac{3}\frac{3}\frac{3}{3}\frac{3}\frac  |  |          |  |  | +  |  |             |                   |                  |  |                      |                   |                 |      |
| The color of the   | I  |          | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 |                   |                  |  |                      |                   |                 |      |
| Secondary   Seco   | ı  |          |  |  |  | <del></del>                                      |             | <b></b>           |                  | <del></del>  |                      |                   |                 |      |
| Fig.      | 48"  |          | 95.3 120.0 120.0                                 | 95.3 120.0 120.0                                 | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 |                   | 46.7 70.1 93.5   |  |                      |                   | £               |      |
| Try   Fig.   F   | 1  | 72"      | <del>- 1 - 1</del>                               |  | 12010 12010 12010                                |  |             |                   |                  |  |                      |                   |                 |      |
| At   At   At   At   At   At   At   At  |  | ,,,      |  | 84.8 120.0 120.0                                 | 115.9 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 | 30"               | 69.7 104.6 120.0 | 69.7 104.6 120.0                                   | 95.3 120.0 120.0 12  | 20.0 120.0 120.0  | -               |      |
| Set    | I =  |          |  | <del></del>                                      |  |  |             | : <del></del>     |                  | ···••······  |                      |                   | £               |      |
| 96" 847 1200 1200 1200 1200 1200 1200 1200 120   |  |          | 84.7 120.0 120.0                                 | 84.7 120.0 120.0                                 | 115.9 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 | 48"               | 47.7 71.5 95.3   | 47.7 71.5 95.3                                     | 65.2 97.8 120.0 83   | 3.1 120.0 120.0   | 120.0 120.0     |      |
| 24'   36'    |  |          |  |  | <del></del>                                      | <del> </del>                                     |             | ! ====            |                  | <del>1                                    </del>   |                      | $\longrightarrow$ |                 |      |
| 101.7   120.0   120.   | <u> </u>                                       |          | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 | 24"               | 80.3 120.0 120.0 | 80.3 120.0 120.0                                   | 109.8 120.0 120.0 12 | 20.0 120.0 120.0  | 120.0 120.0     |      |
| 42'   48'   78'    | <b>!</b> — — — — — — — — — — — — — — — — — — — |          |  |  |  |  |             | 36"               |                  | <del> </del>                                       |                      |                   |                 | l    |
| F8   |  |          | 91.7 120.0 120.0                                 | 91.7 120.0 120.0                                 | 120.0 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 | 42" 126"          | 49.8 74.7 99.6   | 49.8 74.7 99.6                                     | 68.1 102.1 120.0 86  |                   | <del></del>     |      |
| Fig.      |  |          |  |  |  |  |             | ! ———             |                  | <del>•                                      </del> |                      |                   | ·····           |      |
| 72   72   72   72   72   72   72   72  |  | 78"      |  | 76.2 114.4 120.0                                 | 104.3 120.0 120.0                                | 120.0 120.0 120.0                                | 120.0 120.0 | 24"               | 76.2 114.4 120.0 | 76.2 114.4 120.0                                   | 104.3 120.0 120.0 12 | 20.0 120.0 120.0  | 120.0 120.0     | l    |
| R4   Fig.   Fi   |  |          |  |  |  |  |             | 36"               |                  |  |                      |                   |                 |      |
| 92" 72.2 108.3 120.0 72.2 108.3 120.0 98.7 120.0 | I I  |          |  | <del></del>                                      | <del>1                                    </del> | 120.0 120.0 120.0                                |             | 1.17              | 47.1 70.6 94.2   | 47.1 70.6 94.2                                     | 64.4 96.6 120.0 82   | 2.1 120.0 120.0   | 120.0 120.0     |      |
| 24"   30"   36"   36"   42"   84"   76.2   114.4   120.0   76.2   114.4   120.0   76.2   114.4   120.0   76.2   114.4   120.0   76.3   10.7   120.0    |  |          |  |  | <del>*                                    </del> |  |             | : ——              |                  |  |                      |                   |                 | l    |
| 36"         92.4         120.0         12  | <del>                                   </del> |          |  |  |  | 120.0 120.0 120.0                                |             |                   | 72.6 108.9 120.0 | 72.6 108.9 120.0                                   | 99.3 120.0 120.0 12  | 20.0 120.0 120.0  | 120.0 120.0     |      |
| 42"         83.0         120.0         120.0         120.0         113.5         120.0         12  |  |          |  |  | <del></del>                                      |  | +           | <b>{ ├──</b> ─    |                  |  | 1,,                  |                   |                 |      |
| 54"         71.3         107.0         120.0         71.3         107.0         120.0         97.6         120.0         120.  | <u> </u>                                       |          |  |  |  | ·····  |             | ·                 |                  | 4  | 61.1 91.7 120.0 7    | 7.9 116.8 120.0   | 115.6 120.0     |      |
| 60" 67.8 101.7 120.0 67.8 101.7 120.0 92.7 120.0 | 3  | 84"      | <b></b>  | <del></del>                                      |  |  |             |                   |                  |  |                      |                   |                 | ĺ    |
| 72" 63.5 95.3 120.0 63.5 95.3 120.0 86.9 120.0 120.0 110.7 120.0 1 |  |          | <u> </u>   |  |  | 118.1 120.0 120.0                                |             |                   | 56.7 85.1 113.5  | 56.7 85.1 113.5                                    | 77.6 116.4 120.0 9   | 8.9 120.0 120.0   | 120.0 120.0     |      |
|  | I —  |          |  |  | +  |  |             |                   |                  |  |                      |                   |                 |      |
|  |  |          |  |  |  |  |             | 1 ———             |                  |  |                      | $\rightarrow$     | <b></b>         | ĺ    |



### NOTES:

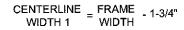
1. IF COMBINED WITH ANOTHER
ASSEMBLY WITH A SEPARATE
APPROVAL, (STOREFRONT ENTRANCE
DOOR, PTAC LOUVER OR WINDOW
INSERT) THE LESSER DESIGN
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OR THE STOREFRONT WINDOW SHALL
BE THE DESIGN PRESSURE FOR THE
ENTIRE SYSTEM.

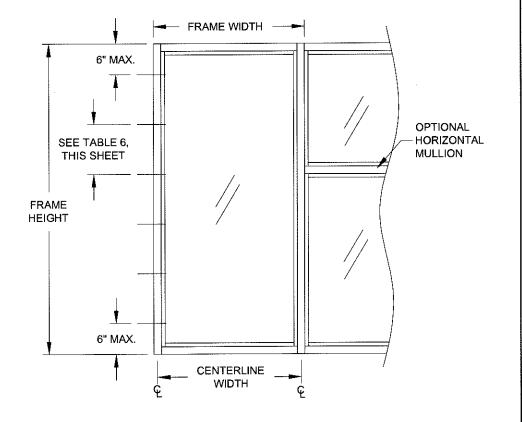




| Nominal Drm  | TABLE 5:   |              |   |           |           |           |              |
|--|------------|--------------|---|-----------|-----------|-----------|--------------|
| Centering   Frame   Height   Anchors   Centering   Group \(^{\alpha}\)   Group \(^{\alpha}\)   Group \(^{\alpha}\)   Group \(^{\alpha}\)   Anchors   Ancho |            | Jamb         | Anchor Sp   | acing     |           | Shim Thic | kness = 1/4" |
| Centerine   Height   Height   Height   Anchors   Ancho | Nomina     | al Dim.      | Installed   | Installed | Installed |           |              |
| Width   Height   Anchors   Anchors | Centerline | Frame        |   |           |           |           |              |
| 16"  |            |              |   | -         |           |           |              |
| 19"  |            |              |   |           |           |           |              |
| 18"  |            |              |   |           |           |           |              |
| 18"  |            |              |   |           |           |           |              |
| 18"  |            |              |   |           |           |           |              |
| TOP   TOP  |            |              |   |           |           |           |              |
| 18"  | 1          |              |   |           |           |           | 18"          |
| 18"  |            | 48*          |   |           |           |           |              |
| 18"   18"   18"   18"   16"   18"   16"   10"   10"   10"   10"   18"   16"   18"   16"   18"   16"   18"   16"   18"   16"   18"  |            |              |   |           |           |           |              |
| 102"   18"   18"   18"   16"   18" |            |              |   |           |           | 18"       | 16"          |
| 108'   18''    |            |              |   |           |           |           |              |
| 120"   18" |            |              |   |           |           |           |              |
| 144"   18"   18"   18"   16"   16"   16"   24"   18"   18"   18"   18"   18"   18"   16"   16"   16"   36"   18"   18"   18"   18"   18"   16" | 120"       |              |   | 18"       | 18"       |           |              |
| 18"  |            | ļ            |   |           | R         |           |              |
| 18"   18"   18"   16"  |            |              |   |           |           |           |              |
| 18"   18"   18"   18"   16"  |            | 1            | 18"   | 18"       |           | 16"       | 18"          |
| 18"  |            | ]            | CONTRACTOR OF THE PARTY OF THE |           |           |           |              |
| 18"  | 1          |              |   |           |           |           |              |
| 18"  |            | 1            |   | <u> </u>  |           | 1         |              |
| 18"  | 60"        |              | 18"   |           |           |           |              |
| 18"   18"   18"   18"   18"   18"   18"   19"   19"   19"   18"   18"   18"   18"   18"   19"   19"   18"  |            | 60"          |   | 1         |           |           |              |
| 18"  |            | 1            |   | 1         |           |           |              |
| 18"  |            | -            |   |           |           |           | 18"          |
| 102"   18" |            | ]            |   |           |           |           | 1            |
| 100°   18° |            |              |   |           |           |           |              |
| 120"   |            | -            |   |           |           |           |              |
| 18"  |            |              | 18"   |           |           |           |              |
| 18"  |            |              |   |           |           |           |              |
| 18"  |            |              |   |           |           |           |              |
| 18"  |            | 1            |   | L         |           |           |              |
| 18"   18"   15"   18"  | 48"        | ]            |   |           |           |           |              |
| 70"         18"         18"         15"         18"         18"           72"         18"         18"         15"         18"         18"           98"         18"         18"         15"         18"         18"           90"         18"         18"         15"         18"         18"           96"         18"         18"         15"         18"         18"           96"         18"         18"         15"         18"         18"           18"         18"         15"         18"         18"         18"           24"         18"  |            | 72*          |   |           |           |           |              |
| 72"         18"         15"         18"         16"           90"         18"         16"         15"         18"         18"           90"         18"         18"         15"         18"         18"           96"         18"         18"         15"         18"         18"           96"         18"         18"         15"         18"         18"           24"         18"         18"         18"         18"         18"         18"           30"         18" <t< td=""><td></td><td>· '<u>'</u></td><td></td><td></td><td><u> </u></td><td></td><td>1</td></t<>   |            | · ' <u>'</u> |   |           | <u> </u>  |           | 1            |
| 18"   18"   15"   18"   16"     92"   18"   18"   15"   18"   18"     18"   18"   15"   18"   18"     18"   18"   15"   18"   18"     18"   18"   18"   18"   18"     18"   18"   18"   18"   18"     18"   18"   18"   18"   18"     18"   18"   18"   18"   18"     18"   18"   18"   16"     18"   18"   16"   16"     18"   18"   16-1/2"   18"     18"   18"   16-1/2"   18"     16-1/2"   18"   13-3/16"     18"   16-1/2"   18"     16-1/2"   18"   13-3/16"     18"   16"   18"     16-1/2"   18"   13-3/16"     18"   18"   18"     18"   18"   18"     18"   18"   18"     18"     18"   18"   | 72"        | ]            |   |           |           |           |              |
| 18"   18"   15"   18"  |            | 1            |   |           |           |           |              |
| 18"   18"   15"   18"  |            | 1            |   |           |           |           |              |
| 18"  | 96"        |              | 18"   | 18"       | 15"       | 18"       | 18"          |
| 18"  |            |              |   |           |           | 1         |              |
| 18"  |            | 1            |   |           |           |           |              |
| 54"         78"         18"         18"         16-1/2"         18"         18"           60"         16-1/2"         18"         16-1/2"         18"         18"         18"           70"         16-1/2"         18"         13-3/16"         18"         18"           72"         16-1/2"         18"         13-3/16"         18"         18"           84"         16-1/2"         18"         13-3/16"         18"         18"           90"         16-1/2"         18"         13-3/16"         18"         18"           92"         16-1/2"         18"         13-3/16"         18"         18"           24"         18"         18"         18"         18"         18"           30"         18"         18"         18"         18"         18"           36"         18"         18"         18"         18"         18"         18"           42"         18"         18"         18"         18"         18"         18"           48"         18"         18"         18"         18"         18"         18"           54"         18"         18"         18"         18"         18"   |            | <u> </u>     |   |           | 18"       | 18"       | 18"          |
| T8"   T8"  |            |              |   |           |           |           |              |
| 70"         16-1/2"         18"         13-3/16"         18"         18"           72"         16-1/2"         18"         13-3/16"         18"         18"           84"         16-1/2"         18"         13-3/16"         18"         18"           90"         16-1/2"         18"         13-3/16"         18"         18"           92"         16-1/2"         18"         13-3/16"         18"         18"           24"         18"         18"         18"         18"         18"           30"         18"         18"         18"         18"         18"         18"           36"         18"         <   |            | 78*          |   |           |           |           |              |
| 72"         16-1/2"         18"         13-3/16"         18"         18"           84"         16-1/2"         18"         13-3/16"         18"         18"           90"         16-1/2"         18"         13-3/16"         18"         18"           92"         16-1/2"         18"         13-3/16"         18"         18"           24"         18"         18"         18"         18"         18"           30"         18"         18"         18"         18"         18"           36"         18"         18"         18"         18"         18"         18"           42"         18"         18"         18"         18"         18"         18"           48"         18"         18"         18"         18"         18"         18"           54"         18"         18"         18"         18"         18"         18"           60"         18"         18"         14-3/8"         18"         18"         18"           70"         18"         18"         14-3/8"         18"         18"         18"           18"         18"         18"         18"         18"         18"  |            | †            |   |           | 13-3/16"  | 18"       |              |
| 90"         16-1/2"         18"         13-3/16"         18"         18"           92"         16-1/2"         18"         13-3/16"         18"         18"           24"         18"         18"         18"         18"         18"           30"         18"         18"         18"         18"         18"           36"         18"         18"         18"         18"         18"         18"           42"         18" <td< td=""><td>72"</td><td>]</td><td>16-1/2"</td><td></td><td></td><td></td><td></td></td<>  | 72"        | ]            | 16-1/2"   |           |           |           |              |
| 92"         16-1/2"         18"         13-3/16"         18"         18"           24"         18"         18"         18"         18"         18"           30"         18"         18"         18"         18"         18"         18"           42"         18"<  |            | 4            |   |           |           |           |              |
| 24"         18"         18"         18"         18"           30"         18"         18"         18"         18"           36"         18"         18"         18"         18"           42"         18"         18"         18"         18"           48"         18"         18"         18"         18"           54"         18"         18"         18"         18"           18"         18"         18"         18"         18"           18"         18"         14-3/8"         18"         18"           70"         18"         18"         14-3/8"         18"         18"           18"         18"         14-3/8"         18"         18"  |            | 1            |   |           |           |           |              |
| 36"     42"       48"     18"       54"     18"       60"     18"       70"     18"       18"     18"       18"     18"       18"     18"       18"     18"       18"     18"       18"     18"       18"     14-3/8"       18"     18"       18"     18"       18"     14-3/8"       18"     18"       18"     18"  | 24"        |              | 18"   | 18"       | 18"       |           |              |
| 42"       48"       54"       60"       70"       18" </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>  |            |              |   |           | 1         |           |              |
| 48"     18"     18"     18"     18"       54"     18"     18"     14-3/8"     18"     18"       60"     18"     18"     14-3/8"     18"     18"       70"     18"     18"     14-3/8"     18"     18"       72"     18"     18"     14-3/8"     18"     18"  |            | 4            |   |           |           | 1         |              |
| 54"     18"     18"     14-3/8"     16"     18"       60"     18"     18"     14-3/8"     18"     18"       70"     18"     18"     14-3/8"     18"     18"       72"     18"     18"     14-3/8"     18"     18"  |            | 0.45         |   | 1         |           |           | 18"          |
| 70"         18"         18"         14-3/8"         18"         18"           72"         18"         18"         14-3/8"         18"         18"  | 54"        | 84"          |   |           |           |           |              |
| 72" 18" 18" 14-3/8" 18" 18"  |            | 4            |   |           |           |           |              |
|  |            | -            |   |           |           |           |              |
|  |            |              |   |           |           |           | 3            |

| Jamb Anchor Spacing Shim Thickness |          |            |            |                 |            |            |  |  |  |  |  |
|------------------------------------|----------|------------|------------|-----------------|------------|------------|--|--|--|--|--|
| Nomina                             |          | installed  | Installed  | Installed       | Installed  | Installed  |  |  |  |  |  |
|                                    |          | with       | with       | with            | with       | with       |  |  |  |  |  |
| Centerline                         | Frame    | Group "A"  | Group "B"  | Group "C"       | Group "D"  | Group "E"  |  |  |  |  |  |
| Width                              | Height   | Anchors    | Anchors    | Anchors         | Anchors    | Anchors    |  |  |  |  |  |
| 24"                                |          | 18"        | 18"        | 16"             | 16"<br>16" | 18"<br>18" |  |  |  |  |  |
| 30*<br>36*                         |          | 18"<br>18" | 18"<br>18" | 16"             | 18"        | 18"        |  |  |  |  |  |
| 42"                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 48"                                | 90"      | 18"        | 18"        | 15-5/8"         | 18"        | 18"        |  |  |  |  |  |
| 54"                                |          | 18"        | 18"        | 15-5/8"         | 18"        | 18"        |  |  |  |  |  |
| 60"                                |          | 15-5/8"    | 18"        | 15-5/8"         | 18"        | 18"        |  |  |  |  |  |
| 70*                                |          | 15-5/8"    | 18"        | 13"             | 18"        | 18"        |  |  |  |  |  |
| 72"                                |          | 15-5/8"    | 18"        | 13"             | 18"        | 18"        |  |  |  |  |  |
| 24"                                |          | 18"        | 18"        | 16"             | 18"        | 18"        |  |  |  |  |  |
| 30"                                | ,        | 18"        | 18"        | 16"<br>16"      | 18"<br>18" | 18"<br>18" |  |  |  |  |  |
| 36*<br>42*                         |          | 18"        | 18"<br>18" | 17-1/8"         | 18"        | 18"        |  |  |  |  |  |
| 48"                                | 97-3/4"  | 18"        | 18"        | 17-1/8"         | 18"        | 18"        |  |  |  |  |  |
| 54"                                | 07-07-   | 17-1/8"    | 18"        | 14-5/16"        | 18"        | 18"        |  |  |  |  |  |
| 60"                                |          | 17-1/8"    | 18"        | 14-5/16"        | 18"        | 18"        |  |  |  |  |  |
| 70"                                |          | 14-5/16"   | 16"        | 12-1/4"         | 18"        | 18"        |  |  |  |  |  |
| 72"                                |          | 14-5/16"   | 18"        | 12-1/4"         | 18"        | 18"        |  |  |  |  |  |
| 24"                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 30°                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 36*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42*                                | 102"     | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 48*                                |          | 18"        | 18"        | 15"<br>15"      | 18"        | 18"<br>18" |  |  |  |  |  |
| 54*                                |          | 18"        | 18"<br>18" | 15"             | 18"<br>18" | 18"        |  |  |  |  |  |
| 60°<br>70°                         |          | 15"<br>15" | 18"        | 12-7/8"         | 18"        | 18"        |  |  |  |  |  |
| 24"                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 30"                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 36"                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42"                                | 108"     | 18"        | 18"        | 16"             | 18"        | 18"        |  |  |  |  |  |
| 48*                                |          | 16"        | 18"        | 16"             | 18"        | 18"        |  |  |  |  |  |
| 54"                                |          | 16"        | 18"        | 13-11/16"       | 18"        | 18"        |  |  |  |  |  |
| 60"                                |          | 16"        | 18*        | 13-11/16"       | 18"        | 18"        |  |  |  |  |  |
| 24*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 30*                                |          | 18"        | 18*        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 36"                                | 114"     | 18"<br>18" | 19°<br>18" | 18*<br>17"      | 18"<br>18" | 18"<br>18" |  |  |  |  |  |
| 42"<br>48"                         | 1 14     | 17"        | 18"        | 14-9/16"        | 18"        | 18"        |  |  |  |  |  |
| 54*                                |          | 17"        | 18"        | 14-9/16"        | 18"        | 18"        |  |  |  |  |  |
| 60*                                |          | 14-9/16"   | 18"        | 12-3/4"         | 18"        | 18"        |  |  |  |  |  |
| 24*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 30*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 36*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42"                                | 120"     | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 48"                                |          | 18"        | 18"        | 15-7/16"        | 18"        | 18"        |  |  |  |  |  |
| 54"                                |          | 15-7/16"   | 18"        | 13-1/2"         | 18"        | 18"        |  |  |  |  |  |
| 60"                                |          | 15-7/16"   | 18"        | 13-1/2"<br>18"  | 18"<br>18" | 18"<br>18" |  |  |  |  |  |
| 24"<br>30"                         | 1        | 18"        | 18"<br>18" | 18"             | 18"        | 18"        |  |  |  |  |  |
| 36"                                | ł        | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42*                                | 126*     | 18"        | 18"        | 16-5/16"        | 18"        | 18"        |  |  |  |  |  |
| 48*                                | 1        | 18"        | 18"        | 14-1/4"         | 18"        | 18"        |  |  |  |  |  |
| 54"                                | 1        | 16-5/16"   | 18"        | 14-1/4"         | 18"        | 18"        |  |  |  |  |  |
| 24*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 30"                                | ]        | 18"        | 18"        | 18°             | 18"        | 18"        |  |  |  |  |  |
| 36"                                | 132"     | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42°                                | '        | 18"        | 18"        | 17-1/8"         | 18"        | 18"        |  |  |  |  |  |
| 48"                                |          | 17-1/8"    | 18"<br>18" | 15"<br>13-5/16" | 18"<br>18" | 18"<br>18" |  |  |  |  |  |
| 54"<br>24"                         | <u></u>  | 15"<br>18" | 18"        | 13-5/10"        | 18"        | 18"        |  |  |  |  |  |
| 30"                                |          | 18"        | 16"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 36"                                | 1 .138*  | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42"                                |          | 18"        | 18"        | 15-3/4"         | 18"        | 18"        |  |  |  |  |  |
| 48"                                | †        | 18"        | 18"        | 14"             | 18"        | 18"        |  |  |  |  |  |
| 24*                                |          | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 30*                                | 1        | 18"        | 18"        | 18"             | 18"        | 16"        |  |  |  |  |  |
| 36"                                | 144"     | 18"        | 18"        | 18"             | 18"        | 18"        |  |  |  |  |  |
| 42*                                | 1        | 18"        | 18"        | 16-1/2"         | 18"        | 18"        |  |  |  |  |  |
| 48*                                | <u>L</u> | 16-1/2"    | 18"        | 14-11/16°       | 18"        | 18"        |  |  |  |  |  |

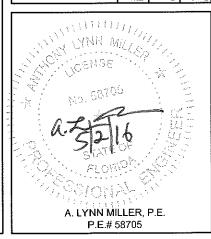




JAMB ANCHOR SPACING

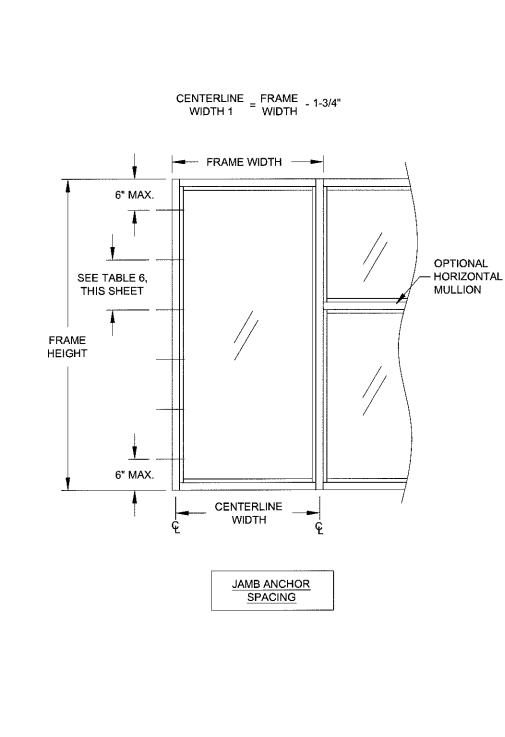
as complying with the Florida
Building Code
Acceptance No 16.0505.04
Expiration Date 12018
By Miami Dade Product Control SS-3500 | | NTS | 7 OF 16 | 2 | MD-3500-2-LM | 3 03/23/16 J ROSOWSKI 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 (941)-480-1600 CERT. OF AUTH. #29296

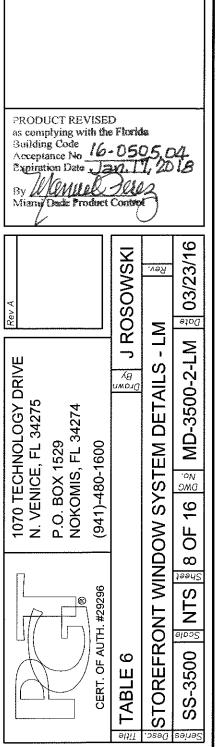
PRODUCT REVISED

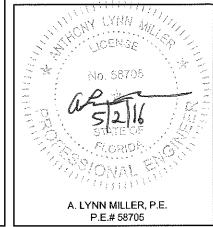


| TABLE 6:     |         |                      |                      |                      |                      |                   |
|--------------|---------|----------------------|----------------------|----------------------|----------------------|-------------------|
|              | Jamb    | Anchor Sp            | acing                |                      | Shim Thic            | kness = 1/2"      |
| Nomina       |         | Installed            | Installed            | Installed            | Installed            | Installed         |
| Centerline   | Frame   | with                 | with                 | with                 | with                 | with              |
| Width        | Height  | Group "A"<br>Anchors | Group "B" Anchors    | Group "C"<br>Anchors | Group "D"<br>Anchors | Group "E" Anchors |
| 24"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 30"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 36"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 42"          |         | 18"                  | 18"<br>18"           | 18°                  | 16"<br>16"           | 18"<br>18"        |
| 48"<br>54"   |         | 18"<br>18"           | 18"                  | 18"<br>18"           | 18"                  | 18"               |
| 60"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 70"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 72"          | 48"     | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 90"          |         | 18"                  | 18"<br>18"           | 18"<br>18"           | 18"<br>18"           | 18"<br>18"        |
| 92"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 96"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 102"         |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 108*         |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 120"<br>132" |         | 18"                  | 18"<br>18"           | 18"<br>18"           | 18"<br>18"           | 18"<br>18"        |
| 144"         |         | 18"                  | 18"                  | 18"                  | 16"                  | 18"               |
| 24"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 30"          | ]       | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 36"          |         | 16"<br>16"           | 16"<br>16"           | 18"<br>18"           | 16"                  | 16"<br>16"        |
| 42"<br>48"   |         | 16"                  | 16"                  | 18"                  | 18"                  | 18"               |
| 54"          |         | 16"                  | 16"                  | 18"                  | 16"                  | 18"               |
| 60"          |         | 16"                  | 16"                  | 18"                  | 18"                  | 18"               |
| 70"          | 60"     | 16"                  | 16"                  | 18"                  | 18"                  | 18"               |
| 72"<br>84"   |         | 16"<br>16"           | 16"<br>16"           | 18"<br>18"           | 18"<br>18"           | 18"<br>18"        |
| 90"          |         | 16"                  | 16"                  | 18"                  | 18"                  | 18"               |
| 92"          |         | 16"                  | 16"                  | 18"                  | 18"                  | 18"               |
| 96"          |         | 16"                  | 16"                  | 16"                  | 18"                  | 18"               |
| 102"         |         | 16"                  | 16"                  | 18"                  | 18"                  | 18"               |
| 108"         | -       | 16"<br>16"           | 16"<br>16"           | 18"<br>18"           | 18"<br>18"           | 18"<br>18"        |
| 120"<br>24"  |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 30"          | -       | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 36"          | ]       | 15"                  | 15"                  | 18"                  | 18"                  | 18"               |
| 42"          |         | 15"                  | 15"                  | 18"                  | 18"                  | 18"               |
| 48"<br>54"   |         | 12"<br>12"           | 12"<br>12"           | 18"<br>15"           | 18"<br>18"           | 18"<br>18"        |
| 60"          | 72"     | 12"                  | 12"                  | 15"                  | 18"                  | 18"               |
| 70"          | 1       | 12"                  | 12"                  | 15"                  | 18"                  | 18"               |
| 72"          | ]       | 12"                  | 12"                  | 15"                  | 18°                  | 18"               |
| 84"          |         | 12"                  | 12"<br>12"           | 15"<br>15"           | 18"<br>18"           | 18"<br>18"        |
| 90"<br>92"   |         | 12"<br>12"           | 12"                  | 15"<br>15"           | 18"                  | 18"               |
| 96"          | •       | 12"                  | 12"                  | 15"                  | 18"                  | 18"               |
| 24"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 30"          | 1       | 16-1/2"              | 16-1/2"              | 18"                  | 18"                  | 18"               |
| 36"<br>42"   | 1       | 16-1/2"<br>13-3/16"  | 16-1/2"<br>13-3/16"  | 18"<br>18"           | 18"<br>18"           | 18"<br>18"        |
| 42"          | 1       | 13-3/16"             | 13-3/16"             | 16-1/2"              | 18"                  | 18"               |
| 54"          | 78"     | 11"                  | 11"                  | 16-1/2"              | 18"                  | 18"               |
| 60"          | ] /¤"   | 11"                  | 11"                  | 16-1/2"              | 18"                  | 18"               |
| 70"          | 1       | 11"                  | 11"                  | 13-3/16"             | 18"                  | 18"               |
| 72"<br>84"   | -       | 11"                  | 11"                  | 13-3/16"<br>13-3/16" | 18"<br>18"           | 18"<br>18"        |
| 90"          | †       | 11"                  | 11"                  | 13-3/16"             | 18"                  | 18"               |
| 92"          | 1       | 11"                  | 11"                  | 13-3/16"             | 18"                  | 18"               |
| 24"          |         | 18"                  | 18"                  | 18"                  | 18"                  | 18"               |
| 30"          | 1       | 18"                  | 18"                  | 18"                  | 18"                  | 18"<br>18"        |
| 36"<br>42"   | 1       | 14-3/8"              | 14-3/8"<br>14-3/8"   | 18"<br>18"           | 18"<br>18"           | 18"               |
| 42"          |         | 12"                  | 14-3/8               | 18"                  | 18"                  | 18"               |
| 54"          | 84"     | 12"                  | 12"                  | 14-3/8"              | 18"                  | 18"               |
| 60"          | ]       | 10-5/16"             | 10-5/16"             | 14-3/8"              | 18"                  | 18"               |
| 70"          | 1       | 10-5/16"             | 10-5/16"             | 14-3/8"              | 18"                  | 18"               |
| 72"<br>84"   | 1       | 10-5/16"<br>10-5/16" | 10-5/16"<br>10-5/16" | 14-3/8"<br>14-3/8"   | 18"<br>18"           | 18"<br>18"        |
| L 07         | <u></u> | 1 .00.10             | ,,,,,,,,             |                      |                      | L                 |

|                     | Jamb            | Anchor Sp            | acing              |                     | Shim Thic      | kness = 1/2"   |
|---------------------|-----------------|----------------------|--------------------|---------------------|----------------|----------------|
| Nomina              |                 | Installed            | Installed          | installed           | Installed      | Installed      |
|                     |                 | with                 | with               | with                | with           | with           |
| Centerline<br>Width | Frame<br>Height | Group "A"            | Group "B"          | Group "C"           | Group "D"      | Group "E"      |
| 24"                 | Height          | Anchors<br>18"       | Anchors<br>18"     | Anchors<br>18"      | Anchors<br>18" | Anchors<br>18" |
| 30*                 |                 | 18"                  | 18"                | 18"                 | 18"            | 18"            |
| 36"                 |                 | 15-5/8"              | 15-5/8"            | 18"                 | 18"            | 18"            |
| 42*                 |                 | 13"                  | 13"                | 18"                 | 18"            | 18"            |
| 48"                 | 90"             | 13"                  | 13"                | 15-5/8"             | 18"            | 18"            |
| 54"                 |                 | 11-1/8"              | 11-1/8"            | 15-5/8°             | 18"            | 18"            |
| 60"                 |                 | 11-1/8"              | 11-1/8"            | 15-5/8"             | 18"            | 18"            |
| 70"                 |                 | 9-3/4"               | 9-3/4"             | 13"                 | 18"            | 18"            |
| 72*                 |                 | 9-3/4"               | 9-3/4"             | 13"                 | 18"            | 18"            |
| 24*<br>30*          |                 | 18"<br>17-1/8"       | 18"<br>17-1/8"     | 18"<br>18"          | 18"<br>18"     | 18"<br>18"     |
| 36"                 |                 | 14-5/16"             | 14-5/16"           | 18"                 | 18"            | 18"            |
| 42"                 |                 | 12-1/4"              | 12-1/4"            | 17-1/8"             | 18"            | 18"            |
| 48"                 | 97-3/4"         | 12-1/4"              | 12-1/4"            | 17-1/8"             | 18"            | 18"            |
| 54"                 |                 | 10-3/4"              | 10-3/4°            | 14-5/16"            | 18"            | 18"            |
| 60"                 |                 | 10-3/4"              | 10-3/4"            | 14-5/16"            | 17-1/8"        | 18"            |
| 70"                 |                 | 9-1/2"               | 9-1/2"             | 12-1/4"             | 17-1/8"        | 18"            |
| 72"                 |                 | 9-1/2"               | 9-1/2"             | 12-1/4"             | 17-1/8*        | 18"            |
| 24"                 |                 | 18"                  | 18"                | 18"<br>18"          | 18"<br>18"     | 18"            |
| 30"<br>36"          |                 | 18"<br>15"           | 16"<br>15"         | 18"                 | 18"            | 18"<br>18"     |
| 42"                 |                 | 12-7/8"              | 12-7/8"            | 18"                 | 16"            | 18"            |
| 48"                 | 102"            | 11-1/4"              | 11-1/4"            | 15"                 | 18"            | 18"            |
| 54°                 |                 | 11-1/4"              | 11-1/4"            | 15"                 | 18"            | 18"            |
| 60"                 | •               | 10"                  | 10"                | 12-7/8"             | 18"            | 18"            |
| 70"                 |                 | 9"                   | 9"                 | 12-7/8"             | 18"            | 18"            |
| 24"                 |                 | 18"                  | 18"                | 18"                 | 16"            | 18"            |
| 30*                 |                 | 16"                  | 16"                | 18"                 | 18"            | 18"            |
| 36*                 | 4.00*           | 13-11/16"            | 13-11/16"          | 18"<br>16"          | 18"            | 18"<br>18"     |
| 42"<br>48"          | 108"            | 13-11/16"<br>12"     | 13-11/16"<br>12"   | 16"                 | 16"<br>18"     | 18"            |
| 54*                 |                 | 10-11/16"            | 10-11/16"          | 13-11/16"           | 18"            | 18"            |
| 60*                 |                 | 9-5/8"               | 9-5/8"             | 13-11/16"           | 18"            | 18"            |
| 24*                 |                 | 18"                  | 18"                | 18"                 | 18"            | 18"            |
| 30"                 |                 | 17"                  | 17"                | 18"                 | 18"            | 18"            |
| 36"                 |                 | 14-9/16"             | 14-9/16"           | 18"                 | 18"            | 18"            |
| 42*                 | 114"            | 12-3/4"              | 12-3/4"            | 17"                 | 18"            | 18"            |
| 48"                 |                 | 11-5/16"             | 11-5/16"           | 14-9/16"            | 18"            | 18"            |
| 54*<br>60*          |                 | 10-3/16"<br>9-1/4"   | 10-3/16"<br>9-1/4" | 14-9/16"<br>12-3/4" | 18"<br>17"     | 18"<br>18"     |
| 24"                 |                 | 18"                  | 18"                | 18"                 | 18"            | 18"            |
| 30"                 |                 | 18"                  | 18"                | 18"                 | 18"            | 18"            |
| 36"                 |                 | 13-1/2"              | 13-1/2"            | 18"                 | 18"            | 18"            |
| 42"                 | 120"            | 12"                  | 12"                | 1B"                 | 18"            | 18"            |
| 48"                 |                 | 10-13/16"            | 10-13/16"          | 15-7/16°            | 18"            | 18"            |
| 54*                 |                 | 10-13/16"            | 10-13/16"          | 13-1/2"             | 18"            | 18"            |
| 60"                 |                 | 9-13/16"             | 9-13/16"           | 13-1/2"             | 18"            | 18"            |
| 24*<br>30*          |                 | 18"<br>16-5/16"      | 18"<br>16-5/16"    | 16°<br>18°          | 18"<br>18"     | 18"<br>18"     |
| 30"<br>36"          |                 | 16-5/16"<br>14-1/4"  | 16-5/16"           | 18"                 | 18"            | 18"            |
| 42*                 | 126"            | 12-11/16"            | 12-11/16"          | 16-5/16"            | 18"            | 18"            |
| 48"                 |                 | 11-3/8"              | 11-3/8"            | 14-1/4"             | 18"            | 18"            |
| 54"                 |                 | 10-3/8"              | 10-3/8"            | 14-1/4"             | 18"            | 18"            |
| 24"                 |                 | 18"                  | 18"                | 18"                 | 18"            | 18"            |
| 30"                 |                 | 17-1/8"              | 17-1/8"            | 18"                 | 18"            | 18"            |
| 36"                 | 132*            | 15"                  | 15"                | 18"                 | 18"            | 18"            |
| 42*                 |                 | 12"                  | 12"                | 17-1/8"             | 18"<br>18"     | 18"            |
| 48"<br>54"          |                 | 10-15/16"            | 10-15/16"<br>10"   | 15"<br>13-5/16"     | 18"<br>17-1/8" | 18"<br>18"     |
| 24*                 |                 | 18"                  | 18"                | 18"                 | 18"            | 18"            |
| 30"                 |                 | 15-3/4"              | 15-3/4"            | 18"                 | 18"            | 18"            |
| 36"                 | 138"            | 14"                  | 14"                | 1B"                 | 18"            | 18"            |
| 42"                 |                 | 12-5/8"              | 12-5/8"            | 15-3/4"             | 18"            | 18"            |
| 48"                 |                 | 11-7/16"             | 11-7/16"           | 14"                 | 18"            | 18°            |
|                     | ·               | 18"                  | 18"                | 18°                 | 18"            | 18"            |
| 24"                 | ļ               |                      |                    |                     |                |                |
| 30"                 | a 2 a m         | 16-1/2"              | 16-1/2"            | 18"                 | 18"            | 18"            |
| 30"<br>36"          | 144"            | 16-1/2"<br>14-11/16" | 14-11/16"          | 18"                 | 18"            | 18"            |
| 30"                 | 144"            | 16-1/2"              |                    |                     |                |                |



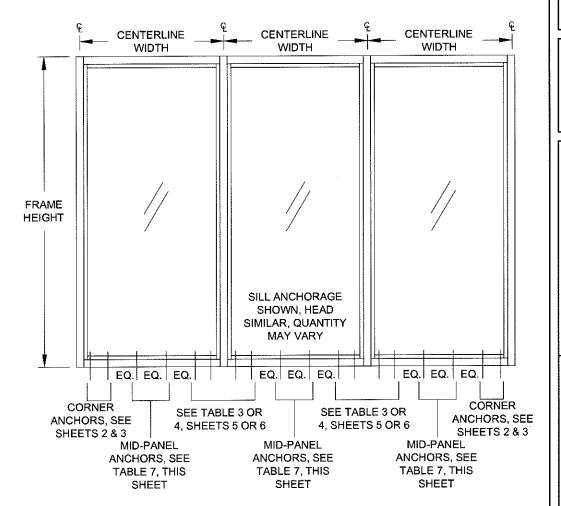




|            | Mid-Pa   | ABLE 7:  Mid-Panel Anchor Quantity  Shim Thickness = 1/4" |                      |                      |                      |  |  |  |  |  |  |  |
|------------|----------|---|----------------------|----------------------|----------------------|--|--|--|--|--|--|--|
| Nomina     | l Dim.   | Installed   | Installed            | Installed            | Installed            | installed  |  |  |  |  |  |  |
| Centerline | Frame    | with  | with                 | with                 | with                 | with   |  |  |  |  |  |  |
| Width      | Height   | Group "A"<br>Anchors                                      | Group "B"<br>Anchors | Group "C"<br>Anchors | Group "D"<br>Anchors | Group "E"<br>Anchors                             |  |  |  |  |  |  |
| 24"        | Holgin   | Anchors<br>1  | Anchors<br>1         | 1                    | Anchors<br>1         | 1  |  |  |  |  |  |  |
| 30"        |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 36"        |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 42"        |          | 2   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 48"        |          | 2   | 2                    | 2                    | 2                    | 1  |  |  |  |  |  |  |
| 54"        |          | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 60"        |          | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 70"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 72"        | 48"      | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 84"        |          | 5<br>5  | 4                    | 4                    | 4                    | 4  |  |  |  |  |  |  |
| 90"<br>92" |          | 5   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 96"        |          | 5   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 102"       |          | 6   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 108"       |          | 6   | 6                    | 6                    | 6                    | 6  |  |  |  |  |  |  |
| 120"       |          | 7   | 6                    | 6                    | 6                    | 6  |  |  |  |  |  |  |
| 132"       |          | 8   | 7                    | 7                    | 7                    | 7  |  |  |  |  |  |  |
| 144*       |          | 9   | 8                    | 8                    | 8                    | 8  |  |  |  |  |  |  |
| 24"        |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 30"        |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 36"        |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 42"        |          | 2   | 1 2                  | 1                    | 1 2                  | 1 1  |  |  |  |  |  |  |
| 48"<br>54" |          | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 60"        |          | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 70"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 72"        | 60"      | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 84"        |          | 5   | 4                    | 4                    | 4                    | 4  |  |  |  |  |  |  |
| 90"        |          | 6   | 4                    | 4                    | 4                    | 4  |  |  |  |  |  |  |
| 92"        |          | 6   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 96"        |          | 6   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 102"       |          | 7   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 108"       |          | 7   | 6                    | 6                    | 6                    | 6  |  |  |  |  |  |  |
| 120"       |          | 8   | 6                    | 6                    | 6                    | 6  |  |  |  |  |  |  |
| 24"        |          | 1   | 1                    | 1                    | 1                    | 1 1  |  |  |  |  |  |  |
| 30"<br>36" |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 42"        |          | 2   | 1                    | 1                    | 1                    | <del>                                     </del> |  |  |  |  |  |  |
| 48"        |          | 2   | 2                    | 2                    | 2                    | 1  |  |  |  |  |  |  |
| 54*        |          | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 60"        | 72"      | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 70"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 72"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 84"        |          | 5   | 4                    | 4                    | 4                    | 4  |  |  |  |  |  |  |
| 90"        |          | 6   | 4                    | 5                    | 4                    | 4  |  |  |  |  |  |  |
| 92"        |          | 6   | 5                    | 5                    | 5                    | 5  |  |  |  |  |  |  |
| 96"        |          | 7   | 5<br>1               | 5                    | 5<br>1               | 5<br>1   |  |  |  |  |  |  |
| 24"<br>30" |          | 1   | 1                    | 1                    | 1                    | <del>                                     </del> |  |  |  |  |  |  |
| 36"        | l        | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 42"        |          | 2   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 48"        |          | 2   | 2                    | 2                    | 2                    | 1  |  |  |  |  |  |  |
| 54"        | 70"      | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 60"        | 78"      | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 70"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 72"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 84"        |          | 5   | 4                    | 4                    | 4                    | 4  |  |  |  |  |  |  |
| 90"        |          | 6<br>6  | 5<br>5               | 5<br>5               | 5                    | 4 5  |  |  |  |  |  |  |
| 92"        |          | 1   | 1                    | 1                    | 1                    | 1  |  |  |  |  |  |  |
| 24"<br>30" |          | 1   | 1 1                  | + +                  | 1                    | 1  |  |  |  |  |  |  |
| 36"        |          | 1   | 1                    | 1                    | 1                    | <del>  i</del>                                   |  |  |  |  |  |  |
| 42"        |          | 2   | 1                    | 1                    | 1                    | <del>                                     </del> |  |  |  |  |  |  |
| 48"        | <u> </u> | 2   | 2                    | 2                    | 2                    | i  |  |  |  |  |  |  |
| 54"        | 84"      | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 60"        | 1        | 3   | 2                    | 2                    | 2                    | 2  |  |  |  |  |  |  |
| 70"        |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
|            |          | 4   | 3                    | 3                    | 3                    | 3  |  |  |  |  |  |  |
| 72"        |          |   |                      |                      |                      |  |  |  |  |  |  |  |

|            | Mid-Pai  | nel Anchor        | Quantity          | Shim Thickness = 1/4" |                   |  |  |
|------------|----------|-------------------|-------------------|-----------------------|-------------------|--|--|
| Nomina     | al Dim.  | Installed         | Installed         | Installed             | Installed         | Installed  |  |
| Centerline | Frame    | with<br>Group "A" | with<br>Group "B" | with<br>Group "C"     | with<br>Group "D" | with<br>Group "E"                                |  |
| Width      | Height   | Anchors           | Anchors           | Anchors               | Anchors           | Anchors  |  |
| 24"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 30"<br>36" |          | 1                 | 1                 | 1                     | 1 1               | 1  |  |
| 42"        |          | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"        | 90"      | 2                 | 2                 | 2                     | 2                 | 1  |  |
| 54"        |          | 3                 | 2                 | 2 2                   | 2                 | 2  |  |
| 60"<br>70" |          | 3<br>4            | 3                 | 3                     | 3                 | 3  |  |
| 72"        |          | 4                 | 3                 | 3                     | 3                 | 3  |  |
| 24"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 30"<br>36" |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 42"        |          | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"        | 97-3/4"  | 2                 | 2                 | 2                     | 2                 | 1  |  |
| 54"        |          | 3                 | 2                 | 2                     | 2                 | 2  |  |
| 60"<br>70" |          | 3<br>4            | 2                 | 2                     | 2<br>3            | 2<br>3   |  |
| 72"        |          | 4                 | 3                 | 3                     | 3                 | 3  |  |
| 24"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 30"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 36"<br>42" |          | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"        | 102"     | 2                 | 2                 | 2                     | 2                 | 1  |  |
| 54"        |          | 3                 | 2                 | 2                     | 2                 | 2  |  |
| 60"<br>70" |          | 3<br>4            | 2 3               | 2                     | 2<br>3            | 2<br>3   |  |
| 24"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 30"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 36"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 42"<br>48" | 108"     | 2                 | 1 2               | 1 2                   | 1 2               | 1  |  |
| 54"        |          | 3                 | 2                 | 2                     | 2                 | 2  |  |
| 60"        |          | 3                 | 2                 | 2                     | 2                 | 2  |  |
| 24"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 30"<br>36" |          | 1                 | 1 1               | 1                     | 1 1               | 1  |  |
| 42"        | 114"     | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"        |          | 2                 | 2                 | 2                     | 2                 | 1  |  |
| 54"        |          | 3                 | 2                 | 2                     | 2 2               | 2 2  |  |
| 60"<br>24" | <u> </u> | 3                 | 2                 | 2                     | 1                 | 1  |  |
| 30"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 36"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 42"        | 120"     | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"<br>54" | -        | 3                 | 2 2               | 2 2                   | 2 2               | 1 2  |  |
| 60"        | 1        | 3                 | 2                 | 2                     | 2                 | 2  |  |
| 24"        |          | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 30"<br>36" | 1        | 1                 | 1 1               | 1 1                   | 1                 | 1  |  |
| 42"        | 126"     | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"        | ]        | 2                 | 2                 | 2                     | 2                 | 1  |  |
| 54"        |          | 3                 | 2                 | 2                     | 2                 | 2  |  |
| 30"        | -        | 1                 | 1                 | 1                     | 1 1               | 1  |  |
| 36"        | 4.55     | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 42"        | 132"     | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 48"        | 1        | 2                 | 2                 | 2                     | 2                 | 1 2  |  |
| 54"<br>24" | <u> </u> | 3                 | 2<br>1            | 1                     | 1                 | 1  |  |
| 30"        |          | 1                 | 1                 | 1                     | 1                 | <del>                                     </del> |  |
| 36"        | 138"     | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 42"        |          | 2                 | 1 2               | 1 2                   | 2                 | 1 1  |  |
| 48"<br>24" | -        | 2                 | 1                 | 1                     | 1                 | 1  |  |
| 30"        | 1        | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 36"        | 144"     | 1                 | 1                 | 1                     | 1                 | 1  |  |
| 42"        | _        | 2                 | 1                 | 1                     | 1                 | 1  |  |

48"



MID-PANEL ANCHOR PATTERN

PRODUCT REVISED as complying with the Florida
Building Code
Acceptance No 16-0505.04
Expiration Date 20.17, 2018
By Mullow History Dade Product Costs 03/23/16 J ROSOWSKI - LM 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 STOREFRONT WINDOW SYSTEM DETAILS Orawn By (941)-480-1600 AUTH TABLE 7

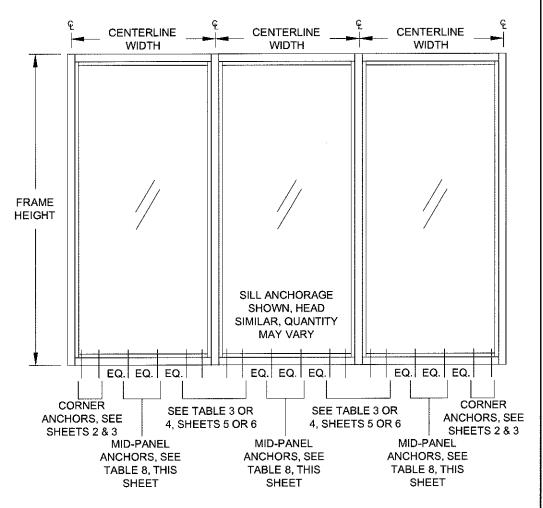
> A. LYNN MILLER, P.E. P.E.# 58705

NOTES:

1. MID-PANEL ANCHORS TO BE EQUALLY SPACED, +/- 1/2".

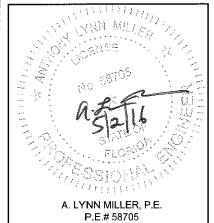
|  | TABLE 8: |                  |           |   | -         |           |              |
|--|----------|------------------|-----------|---|-----------|-----------|--------------|
| Nominal Dim.   Installed with with Centedine   Frame   Height   Anchors    |          |                  |           |   |           |           |              |
| Cented   Frame   Height   Group "B"   Group "C"   Group "C"   Group "C"   Anchors    | Namin    |                  |           |   | Installed | Installed | Installed    |
| Modifi   |          |                  |           |   |           |           | with         |
| 1  | 1        | 1                | Group "A" |   |           |           |              |
| 1  |          | Height           |           |   |           |           |              |
| 386'   42'   2   2   2   2   1   1   1   1   1   1   |          |                  |           |   |           |           |              |
| 42°   48°   54°   44°   44°   33°   22°   21°   154°   44°   44°   33°   22°   22°   11°   44°   44°   44°   33°   22°   22°   11°   44° |          |                  |           |   |           |           |              |
| 48°   54°   60°   70°  |          |                  |           |   |           |           |              |
| Section   Sect |          |                  |           |   |           |           |              |
| 60°   70°  |          |                  |           |   |           |           |              |
| 84' 80' 77 7 5 4 4 4 90' 992' 88 8 8 6 5 5 5 6 102'' 102'' 111 11 8 6 6 6 6 10 120'' 112'' 112 112 12 9 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |          |                  | 4         | 4 |           | 3         | 2            |
| 84' 90' 92' 96' 102' 77 7 6 4 4 4 9 90' 92' 96' 1102' 12 12 9 9 7 7 7 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |          | İ                |           |   |           |           |              |
| 84' 90' 92' 88 8 8 6 5 5 5 5 102" 98' 8 8 8 6 6 5 5 5 5 102" 1108" 111 11 8 8 6 6 6 6 6 132" 121 12 9 7 7 7 6 6 6 6 14 4 4 3 3 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |          | 48"              |           |   |           |           |              |
| B  |          | ļ ' <del>-</del> |           |   |           |           |              |
| B  |          | <u> </u>         |           |   | 1         |           |              |
| 102"   9   9   6   5   5   5   108"   120"   111   11   18   6   6   6   6   6   6   6   6   6   |          | <u> </u>         |           | B |           |           |              |
| 108"   120"   111   11   8   6   6   6   132"   12   12   12   9   7   7   7   7   7   7   7   7   7   |          |                  |           |   |           |           |              |
| 110  |          |                  | i         |   |           |           |              |
| 132"   |          |                  |           |   | -         | 6         | 6            |
| 1  | 132"     | 1                |           |   |           | 7         | <del> </del> |
| 1  |          |                  |           |   |           |           |              |
| 36°   42°   2   2   2   1   1   1   1   1   1   1  |          |                  |           | 1 |           |           |              |
| 42"  |          |                  |           | - |           | L         |              |
| A8°   54°   60°   72°   60°   60°   72°   60°   72°   60°   72°  |          | 1                |           |   |           |           |              |
| A  |          | -                |           |   |           |           |              |
| 60°         70°         60°         6         6         4         4         3         3         2         2         6         6         6         6         6         5         4         3         8         8         8         6         5         4         3         8         8         8         6         5         5         4         9         9         9         6         5         5         5         9         9         9         7         6         5         5         5         9         9         7         6         5         5         5         9         9         7         6         5         5         5         9         9         7         6 </td <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td>  |          | +                |           |   |           |           |              |
| 70° 72° 860° 66 6 4 4 4 3 3 72° 72° 86 6 6 5 4 4 3 3 8 8 8 6 5 4 4 3 3 8 8 8 6 5 4 4 3 3 8 8 8 8 6 5 4 4 90° 92° 99 9 6 5 5 5 5 99 9 7 5 6 5 5 99 9 7 6 6 5 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | 1        | +                |           |   |           | 3         |              |
| 72°         80°         6         6         5         4         3         8         8         6         5         4         90°         9°   |          | ł                |           |   |           |           |              |
| 84'         8         8         6         5         4           90'         9         9         6         5         5           98'         9         9         7         5         5           102"         10         10         7         6         6           120"         12         12         9         7         6         6           120"         12         12         9         7         6         5         4         3         3         2         2         2         2         1         1         1         1         1         1         1   |          | 60"              |           | 6 |           | 4         |              |
| 92° 99 9 6 5 5 5 6 102" 100 100 7 6 6 6 6 4 4 3 3 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |          |                  | 8         | 8 |           |           |              |
| 96°   102"   |          |                  |           |   |           |           |              |
| 102"         108"         11         11         8         6         6           120"         12         12         9         7         6           24"         1   |          | j                |           |   |           |           |              |
| 108"   |          | ]                |           |   |           | 1         |              |
| 120" 120" 12   |          |                  |           |   |           |           |              |
| 1  |          | <u> </u>         |           |   |           |           | <u> </u>     |
| 1  |          |                  |           |   |           |           | 4.           |
| 36"         2         2         2         1         1           42"         48"         3         3         2         2         1         1           54"         4         4         3         2         2         1         1         1         1         1         1         1         3         3         2         2         1         1         1         3         3         2         2         2         1         1         4         4         4         3         3         2         2         2         1         1         6         6         6         6         6         6         6         6         6         6         5         4         3         3         2         2         2         2         2         2         2         2         2         2         2         2         2         3         3         2         2         1  |          | -                |           |   |           |           |              |
| 42"   48"   54"   72"   4   4   3   3   2   2   1   1   1   1   1   1   1   1  |          | 1                |           |   |           |           | 1            |
| 48°       3       3       2       2       1         54°       4       4       3       2       2         60°       6       6       6       4       4       3         72°       6       6       6       5       4       3         84°       8       6       5       4       3         90°       9       9       7       5       4         92°       9       9       7       6       5         96°       10       10       7       6       5         24°       1       1       1       1       1       1         30°       1 </td <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>  |          | 1                |           |   |           |           |              |
| 60°         72°         4         4         3         2         2           70°         6         6         4         4         3         3         2           70°         6         6         6         4         4         3         3         2           84°         8         8         6         5         4         3         3         2         4         3         8         8         6         5         4         3         8         8         8         6         5         4         3         3         9         9         7         5         5         4         9         9         9         7         6         5         5         4         9         9         7         6         5         5         4         9         9         7         6         5         5         4         9         9         7         6         5         5         4         3         3         2         2         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td< td=""><td></td><td>†</td><td></td><td></td><td></td><td></td><td>1</td></td<>   |          | †                |           |   |           |           | 1            |
| 60°       72°       4       4       3       3       2         70°       6       6       6       4       4       3         72°       84°       8       8       6       5       4       3         84°       90°       9       9       7       5       4         90°       9       9       7       5       4         92°       96°       10       10       7       6       5         24°       1  | 54"      | †                |           |   | 3         | 2         | 2            |
| 72"       6       6       5       4       3         90"       9       9       9       7       5       4         92"       9       9       7       6       5         96"       10       10       7       6       5         24"       1       1       1       1       1       1         30"       1<   |          | 72"              | 4         | 4 | 3         | 3         |              |
| 84"       8       6       5       4         90"       9       9       7       6       5         96"       10       10       7       6       5         24"       1       1       1       1       1       1         30"       1  |          | ]                |           |   |           |           |              |
| 90°       9       9       7       5       4         96°       10       10       7       6       5         24°       1       1       1       1       1       1         30°       1  |          | <u> </u>         |           |   |           |           |              |
| 92"         9         7         6         5           24"         1 <td>****</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>  | ****     | 1                | 1         |   |           |           |              |
| 10   |          |                  |           |   |           |           |              |
| 24*       1  |          | 1                |           |   |           |           |              |
| 30°     1     1     1     1     1       36°     2     2     2     2     1     1       42°     3     3     2     2     1     1       54°     4     4     3     2     2     1       60°     4     4     3     3     2     2       70°     6     6     6     4     4     3       72°     6     6     5     4     3       84°     8     8     6     5     4       90°     9     7     5     4       92°     10     10     7     6     5       24°     1     1     1     1     1       30°     1     1     1     1     1     1       36°     2     2     2     2     1     1       48°     3     3     2     2     1     1       48°     4     4     3     2     2     1       48°     4     4     3     2     2     1       48°     4     4     3     2     2     1       48°     4     4     3  |          | 1                |           |   |           |           |              |
| 36"       42"       48"       54"       60"       70"       6 6       6 6       6 72"       84"       90"       92"       10       10       10       10       10       10       11       12       2       2       2       2       2       2 <td></td> <td>†</td> <td>-</td> <td>•</td> <td></td> <td></td> <td></td>   |          | †                | -         | • |           |           |              |
| 42"       48"       54"       60"       70"       6 6       6 6       6 6       84"       90"       92"       10       10       10       11<  |          | †                |           | 1 | 2         | 1         |              |
| 54"       78"       4       4       3       2       2         70"       6       6       6       4       4       3       3       2         72"       6       6       6       4       4       3       3       2       2       4       3       3       2       2       4       3       3       2       2       4       3       3       2       2       4       4       3       3       2       2       1       <  | 42"      | 1                |           | 2 | 2         |           | 1            |
| 60"     78"     4     4     3     3     2       70"     6     6     6     4     4     3       84"     6     6     6     5     4     3       88 8 8 6 5     4     3       90"     9     9     7     5     4       92"     10     10     7     6     5       24"     1     1     1     1     1       30"     1     1     1     1     1     1       42"     2     2     2     2     1     1       48"     3     3     2     2     1       44 4 4 3     3     2     2     1       66 6 4 4 4 4 3     3     2     2       70"     6     6     5     4     3   |          | ]                |           |   |           |           |              |
| 60°     4     4     3     3     2       70°     6     6     6     4     4     3       84°     8     8     6     5     4       90°     9     9     7     5     4       92°     10     10     7     6     5       24°     1     1     1     1     1       30°     1     1     1     1     1       42°     2     2     2     2     1       48°     3     3     2     2     1       48°     4     4     3     2     2       60°     4     4     3     3     2       70°     6     6     4     4     3       6     6     5     4     3  |          | 78"              |           | 4 |           |           |              |
| 72"         6         6         5         4         3           84"         8         8         6         5         4           90"         9         9         7         5         4           92"         10         10         7         6         5           24"         1         1         1         1         1           30"         1  |          | 1 ~~             |           |   |           | <u> </u>  |              |
| 84"     8     8     6     5     4       90"     9     9     7     5     4       92"     10     10     7     6     5       24"     1     1     1     1     1       30"     1     1     1     1     1       42"     2     2     2     2     1     1       48"     3     3     2     2     1       54"     4     4     3     2     2       60"     4     4     3     3     2       70"     6     6     4     4     3       72"     6     6     5     4     3  |          | 1                | -         |   | .1        |           |              |
| 90°         9         9         7         5         4           92"         10         10         7         6         5           24"         1         1         1         1         1           30"         1         1         1         1         1         1           42"         2         2         2         2         1         3         3         2         <  |          | 1                |           |   |           |           |              |
| 92"         10         10         7         6         5           24"         1         1         1         1         1           30"         1         1         1         1         1         1           36"         2         2         2         2         1 <td< td=""><td></td><td>+</td><td></td><td>+</td><td></td><td></td><td></td></td<>   |          | +                |           | + |           |           |              |
| 24*     1     1     1     1     1       30*     1     1     1     1     1       36*     2     2     2     2     1     1       42*     2     2     2     2     2     1       48*     3     3     2     2     1       54*     4     4     3     2     2       60*     4     4     3     3     2       70*     6     6     4     4     3       72**     6     6     5     4     3   |          | †                |           |   |           |           |              |
| 30°     1     1     1     1     1       36°     2     2     2     2     1     1       42°     48°     2     2     2     2     2     1     1       54°     3     3     2     2     1     1       60°     4     4     3     2     2     1       70°     6     6     4     4     3       72°     6     6     5     4     3  |          | <del> </del>     |           |   | 1         |           |              |
| 36*       42*       48"       54*       60"       70"       60 6       60 5       44       44       45       46       67       68 </td <td></td> <td>1</td> <td></td> <td>1</td> <td>1</td> <td></td> <td>1</td>   |          | 1                |           | 1 | 1         |           | 1            |
| 42*       48"       54"       60"       70"       60 6       6 5       4 3       4 4 3       2 2 1       3 3 2 2       4 4 3 3 2       2 2 2       4 4 4 3 3 3 2       6 6 6 4 4 4 3       72"   |          | 1                |           |   | 2         | 1         | 1            |
| 54*     4     4     3     2     2       60"     4     4     3     3     2       70"     6     6     4     4     3       72"     6     6     5     4     3  |          | 1                |           |   |           | 2         |              |
| 54°       60°       70°       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       72°  |          | ] <sub>R4"</sub> |           |   |           |           |              |
| 70° 6 6 4 4 3<br>72° 6 6 5 4 3   |          | _ Մ              |           |   |           |           |              |
| 72" 6 6 5 4 3  |          | 1                |           |   |           |           |              |
|  |          | 4                |           |   |           |           |              |
| 04 0 0 0 7   |          | -                |           |   |           |           |              |
|  | 84"      | <u></u>          | I 0       | ь | U         |           |              |

| Nominal Dirk   Frame   Width   Frame   Width   Height   Frame   Width   Height   Manchars   Manch   | Mid-Panel Anchor Quantity               |           |           |           |           | Shim Thickness = 1/2"                   |           |  |
|--|---|-----------|-----------|-----------|-----------|---|-----------|--|
| Centedine   Frame   With   Group 'Ps'   Group 'Cs'   Anchors   Anc | Momins                                  |           |           |           | Installed | Installed                               | Installed |  |
| Midth   Height   Anchors   |   |           |           |           |           | with                                    |           |  |
| 24° 30° 36° 36° 36° 36° 36° 42° 42° 42° 42° 42° 48° 90° 3 3 3 2 2 2 1 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  |   |           | Group "A" | Group "B" | Group "C" | Group "D"                               | Group "E" |  |
| 1  | Width                                   | Height    | Anchors   | Anchors   | Anchors   | Anchors                                 | Anchors   |  |
| 38°   42"   48°   60°   2   2   2   2   2   1   1   1   1   1  | 24"                                     |           | 1         | 1         | 1         | ale and a second                        | 1         |  |
| 42°   90°   3  | 30"                                     |           | 1         | 1         | 1         |   | 1         |  |
| ABC   For the component of the compone   | 36"                                     |           |           | 2         |           |   | 1         |  |
| 54°   4  | 42"                                     |           | 2         |           |           | 2                                       | 1         |  |
| 60°  | 48"                                     | 90"       | 3         | 3         | 2         |   |           |  |
| 70° 72° 86 6 6 4 4 4 3 3 3 4 3 3 4 3 3 4 3 3 4 4 4 3 3 3 4 3 4 4 4 3 3 4 4 4 3 3 4 4 4 4 3 3 4   | 54"                                     |           | 4         | 4         | 3         | 2                                       | 2         |  |
| T2'  | 60*                                     |           | 4         | 4         | 3         | 3                                       | 2         |  |
| 1  | 70*                                     |           | 6         | 6         |           | 4                                       |           |  |
| 1  | 72*                                     |           | 6         | 6         | 5         | 4                                       | 3         |  |
| 38°   42°   42°   48°   97-3/4"   2   2   2   2   2   1   1   1   1   1  | 24*                                     |           | 1         | 1         | 1         | 1                                       | 1         |  |
| 42°   48°   97.3/4"   3  | 30*                                     |           | 1         | 1         | 1         | 1                                       | 1         |  |
| AB*  | 36"                                     |           | 2         | 2         | 2         | 1                                       | 1         |  |
| 64°   66°   70°   66   66   66   4   4   3   3   2   2   2   6   6   6   6   6   6   6   | 42"                                     |           |           | 2         | 2         | 2                                       | 1         |  |
| 60°  | 48"                                     | 97-3/4"   | 3         | 3         | 2         | 2                                       | 1         |  |
| 70°  | 54"                                     |           | 4         | 4         | 3         | 2                                       | 2         |  |
| 70°  |   |           |           | 4         |           |   |           |  |
| 72°  |   | }         |           |           |           |   |           |  |
| 1  |   |           |           |           |           |   |           |  |
| 30°   36°   42°   102°   2   2   2   1   1   1   1   1   1   1   |   |           |           | 1         | 1         | 1                                       | 1         |  |
| 36°   42°   48°   102"   |   |           |           |           |           |   |           |  |
| 42°   48°   54°   60°   44°   44°   33°   22°   11°   44°   44°   33°   32°   22°   11°   44°    |   |           |           |           |           | 1                                       | 1         |  |
| AB   |   |           |           |           |           |   |           |  |
| 54°         4         4         3         2         2           60°         4         4         3         3         2           70°         6         6         6         4         4         3           24°         1  |   | 102"      |           |           |           |   |           |  |
| 60°   4  |   |           |           |           |           |   |           |  |
| 70°  |   |           |           |           |           |   |           |  |
| 1  |   |           |           |           |           |   |           |  |
| 1  |   |           |           |           |           |   |           |  |
| 108"   2   |   |           |           |           |           |   |           |  |
| 42"  |   |           |           |           |           |   |           |  |
| A8"  |   | 108"      |           |           |           |   |           |  |
| S4"   60"   4  |   | ( )( )( ) |           |           |           |   |           |  |
| Color  |   |           |           |           |           |   |           |  |
| 1  |   |           |           |           |           |   |           |  |
| 1  |   |           |           |           |           |   |           |  |
| 36°   42°   114°   2   2   2   2   1   1   1   1   1   1   |   |           |           |           |           |   |           |  |
| 42"  |   |           |           |           |           |   |           |  |
| A8"  |   | 114"      |           |           |           |   |           |  |
| 54"         4         4         3         2         2           24"         1 <td></td> <td>  '''</td> <td></td> <td></td> <td></td> <td></td> <td></td>   |   | '''       |           |           |           |   |           |  |
| 60°  |   |           |           |           |           |   |           |  |
| 1  |   | ł         |           |           |           |   |           |  |
| 1  |   |           |           |           |           |   |           |  |
| 120"   2   |   |           |           |           |           |   |           |  |
| 120"   2   | *************************************** |           |           |           |           |   |           |  |
| The state of the   |   | 1200      |           |           |           | *************************************** |           |  |
| 54"         4         4         3         2         2           60"         4         4         3         3         2           24"         1 </td <td></td> <td>120</td> <td></td> <td></td> <td></td> <td></td> <td></td>  |   | 120       |           |           |           |   |           |  |
| 60"       4       4       3       3       2         24"       1 </td <td></td> <td>ĺ</td> <td></td> <td></td> <td></td> <td></td> <td></td>  |   | ĺ         |           |           |           |   |           |  |
| 24"     1     1     1     1     1       30"     1     1     1     1     1       42"     2     2     2     2     1       48"     3     3     2     2     1       54"     4     4     3     2     2       24"     1     1     1     1     1       30"     1     1     1     1     1       42"     2     2     2     2     1       48"     3     3     2     2     1       48"     3     3     2     2     1       44"     4     3     2     2     1       30"     1     1     1     1     1     1       36"     138"     2     2     2     2     1     1       48"     3     3     2     2     1     1       48"     3     3     2     2     1     1       48"     3     3     2     2     1     1       48"     3     3     2     2     1     1       48"     3     3     2     2     1     1   <   |   |           |           |           |           |   |           |  |
| 1  |   | <u> </u>  |           |           |           |   |           |  |
| 126"   2   2   2   1   1   1   1   1   1   1   |   | 1         |           |           |           |   |           |  |
| 42"  |   | 126"      |           |           |           |   |           |  |
| 48*         3         3         2         2         1           54*         4         4         3         2         2           24*         1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |   |           |           |           |           |   |           |  |
| 54*         4         4         3         2         2           24*         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>  |   |           |           |           |           |   |           |  |
| 24*     1     1     1     1     1       30*     1     1     1     1     1       36*     132**     2     2     2     2     1     1       42**     2     2     2     2     2     1       48*     3     3     2     2     1       54**     4     4     3     2     2       24**     1     1     1     1     1     1       30**     1     1     1     1     1     1       48**     2     2     2     2     1     1       48**     3     3     2     2     1       24**     3     3     2     2     1       30**     1     1     1     1     1     1       30**     1     1     1     1     1     1       36**     144**     2     2     2     1     1     1       42**     2     2     2     2     1     1   |   |           |           |           |           |   |           |  |
| 130"   132"   2   2   2   1   1   1   1   1   1   1  |   |           | <u> </u>  |           |           |   |           |  |
| 36"   132"   2   2   2   1   1   1   1   1   1   1   |   | -         |           |           |           |   |           |  |
| 42"     132"     2     2     2     2     1       48"     3     3     2     2     1       54"     4     4     3     2     2       24"     1     1     1     1     1       30"     1     1     1     1     1       42"     2     2     2     2     1     1       48"     3     3     2     2     1       24"     1     1     1     1     1     1       30"     1     1     1     1     1     1       36"     144"     2     2     2     2     1     1       42"     2     2     2     2     1     1  |   | -         |           |           |           |   |           |  |
| 48°     3     3     2     2     1       54°     4     4     3     2     2       24°     1     1     1     1     1       30°     1     1     1     1     1       42°     2     2     2     2     1     1       48°     3     3     2     2     1       24°     1     1     1     1     1       30°     1     1     1     1     1     1       36°     144°     2     2     2     2     1     1       42°     2     2     2     2     1     1   |   | 132"      |           |           |           |   |           |  |
| 54*     4     4     3     2     2       24*     1     1     1     1     1       30*     1     1     1     1     1       36*     138**     2     2     2     2     1     1       42**     2     2     2     2     1     1       24**     3     3     2     2     1       24**     1     1     1     1     1       30**     1     1     1     1     1       36**     144**     2     2     2     2     1       42**     2     2     2     2     1  |   | -         |           |           |           | K                                       |           |  |
| 24"     1     1     1     1     1       30"     138"     2     2     2     1     1       42"     2     2     2     2     1     1       48"     3     3     2     2     1       24"     1     1     1     1     1       30"     1     1     1     1     1     1       36"     144"     2     2     2     2     1     1       42"     2     2     2     2     1     1  |   | -         |           |           | 1 - Z     |   |           |  |
| 30°   138°   2   2   2   1   1   1   1   1   1   1   | <u> </u>                                |           |           |           |           |   |           |  |
| 36"     138"     2     2     2     1     1       42"     2     2     2     2     1       48"     3     3     2     2     1       24"     1     1     1     1     1       30"     1     1     1     1     1       36"     144"     2     2     2     1     1       42"     2     2     2     2     1  |   |           |           | \$        |           |   |           |  |
| 42"     2     2     2     2     1       48"     3     3     2     2     1       24"     1     1     1     1     1       30"     1     1     1     1     1     1       36"     144"     2     2     2     1     1       42"     2     2     2     2     1   |   | 400"      |           |           |           |   |           |  |
| 48"     3     3     2     2     1       24"     1     1     1     1     1       30"     1     1     1     1     1       36"     144"     2     2     2     1     1       42"     2     2     2     2     1   |   | 138"      |           |           |           |   |           |  |
| 24"     1     1     1     1       30"     1     1     1     1     1       36"     144"     2     2     2     1     1       42"     2     2     2     2     1   |   | 1         |           |           |           |   |           |  |
| 30"   144"   2   2   2   1   1   1   1   1   1   1   |   |           |           |           |           |   |           |  |
| 36" 144" 2 2 2 1 1 1<br>42" 2 2 2 2 1  |   |           |           |           |           |   |           |  |
| 42" 2 2 2 1  |   |           |           |           |           |   |           |  |
|  |   | 144"      |           |           |           |   |           |  |
| 48" 3 3 2 2 1  |   |           |           |           |           |   |           |  |
|  | 48"                                     |           | 3         | 3         | 2         | 2                                       | 1         |  |



MID-PANEL ANCHOR PATTERN

PRODUCT REVISED as complying with the Florida
Building Code
Acceptance No 16-0505. Of
Expiration Date Jan, III. 2018
By William Dade Product Control 03/23/16 J ROSOWSKI SS-3500 | S | NTS | S | 10 OF 16 | S | MD-3500-2-LM | D | D | - LM 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 STOREFRONT WINDOW SYSTEM DETAILS Огамі Ву (941)-480-1600 CERT. OF AUTH. #29296 TABLE 8



NOTES:

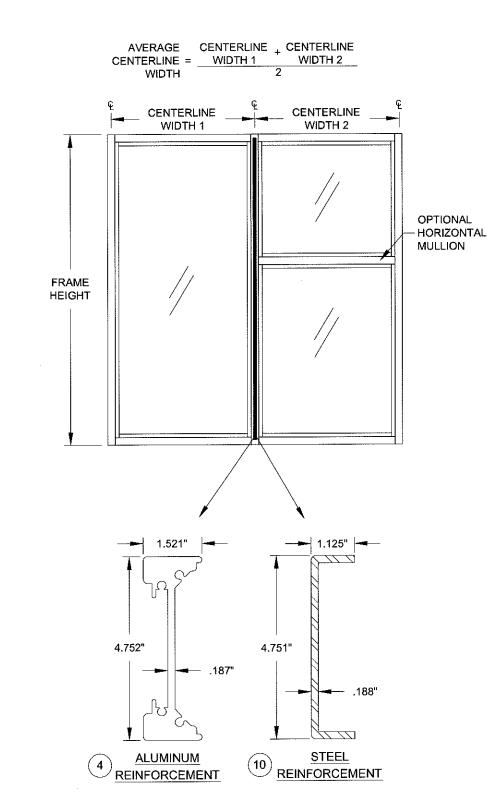
1. MID-PANEL ANCHORS TO BE EQUALLY SPACED, +/- 1/2".

| ABLE 9:<br>Max                 | imum Ver        | tical Mullion De    | esign Pressure                                   | e, (psf)                            |
|--------------------------------|-----------------|---------------------|--|-------------------------------------|
| Average<br>Centerline<br>Width | Frame<br>Height | No<br>Reinforcement | Alum.<br>Reinforcement<br>(part #4)              | Steel<br>Reinforcemen<br>(part #10) |
| 24"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 30"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 36"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 42"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 48"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 54"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 60"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 70"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
|                                |                 |                     | +90/-100   | +90/-120                            |
| 72"                            | 48"             | +90/-90             |  | <u></u>                             |
| 84"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 90"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 92"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 96"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 102"                           |                 |                     | +90/-100   | +90/-120                            |
| 108"                           |                 |                     | +90/-100   | +90/-120                            |
| 120"                           |                 |                     | +90/-100   | +90/-120                            |
| 132*                           |                 |                     | 3500   | +90/-100                            |
|                                |                 | <b>-</b>            |  | +90/-100                            |
| 144*                           |                 | 100/00              | 1001400  | +90/-100                            |
| 24"                            |                 | +90/-90             | +90/-100   |                                     |
| 30"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 36"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 42"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 48"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 54"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 60"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 70"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 72"                            | 60"             | +90/-90             | +90/-100   | +90/-120                            |
|                                |                 | +30/-30             | +90/-100   | +90/-120                            |
| 84"                            |                 |                     |  |                                     |
| 90"                            |                 | *****               | +90/-100   | +90/-120                            |
| 92"                            |                 |                     | +90/-100   | +90/-120                            |
| 96"                            |                 |                     | +90/-100   | +90/-120                            |
| 102"                           |                 |                     |  | +90/-100                            |
| 108"                           |                 |                     |  | +90/-100                            |
| 120"                           |                 |                     |  | +90/-100                            |
| 24"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 30"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 36"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 42"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
|                                |                 | +90/-90             | +90/-100   | +90/-120                            |
| 48"                            |                 | 1                   | +90/-100   | +90/-120                            |
| 54"                            |                 | +90/-90             |  |                                     |
| 60"                            | 72"             | +90/-90             | +90/-100   | +90/-120                            |
| 70"                            |                 |                     | +90/-100   | +90/-120                            |
| 72"                            |                 |                     | +90/-100   | +90/-120                            |
| 84"                            |                 |                     |  | +90/-100                            |
| 90"                            |                 |                     |  | +90/-100                            |
| 92"                            |                 |                     | 1  | +90/-100                            |
| 96"                            |                 |                     | 1  | +90/-100                            |
| 24"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
|                                |                 |                     |  | +90/-120                            |
| 30"                            |                 | +90/-90             | +90/-100   |                                     |
| 36"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 42"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 48"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 54"                            | 70"             | +90/-90             | +90/-100   | +90/-120                            |
| 60"                            | 78"             | +90/-90             | +90/-100   | +90/-120                            |
| 70"                            |                 |                     | +90/-100   | +90/-120                            |
| 72"                            |                 |                     | +90/-100   | +90/-120                            |
|                                |                 |                     | 1307-100   | +90/-100                            |
| 84"                            |                 |                     | <del>                                     </del> |                                     |
| 90"                            |                 |                     |  | +90/-100                            |
| 92"                            |                 |                     |  | +90/-100                            |
| 24"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 30"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 36"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 42"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
| 48"                            |                 | +90/-90             | +90/-100   | +90/-120                            |
|                                | 84"             |                     | +90/-100   | +90/-120                            |
| 54"                            |                 | +90/-90             |  |                                     |
| 60"                            |                 |                     | +90/-100   | +90/-120                            |
| 70"                            |                 |                     | +90/-100   | +90/-100                            |
| 72"                            |                 | · ·                 | 1  | +90/-100                            |
| 84"                            |                 |                     |  |                                     |

| Maximum Vertical Mullion Design Pressure, (psf) |                 |                           |                                     |                                      |  |  |
|---|-----------------|---------------------------|-------------------------------------|--------------------------------------|--|--|
| Average<br>Centerline<br>Width                  | Frame<br>Height | No<br>Reinforcement       | Alum.<br>Reinforcement<br>(part #4) | Steel<br>Reinforcement<br>(part #10) |  |  |
| 24"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 30"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 36"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 42"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 48"   | 90"             | +89.4/-89.4               | +90/-100                            | +90/-120                             |  |  |
| 54*   |                 |                           | +90/-100                            | +90/-120                             |  |  |
| 60*   |                 |                           | +90/-100                            | +90/-120                             |  |  |
| 70*   |                 |                           |                                     | +90/-100                             |  |  |
| 72"   |                 |                           |                                     | +90/-100                             |  |  |
| 24"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 30"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 36"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 42"   |                 | +87.9/-87.9               | +90/-100                            | +90/-120                             |  |  |
| 48"   | 97-3/4          | +80/-80                   | +90/-100                            | +90/-120                             |  |  |
| 54"   |                 |                           | +90/-100                            | +90/-120                             |  |  |
| 60°   |                 |                           |                                     | +90/-100                             |  |  |
| 70*   |                 |                           |                                     | +90/-100                             |  |  |
| 72"   |                 |                           |                                     | +90/-100                             |  |  |
| 24"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 30"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 36"   |                 | +88.3/-88.3               | +90/-100                            | +90/-120                             |  |  |
| 42"   | 102*            | +77.1/-77.1               | +90/-100                            | +90/-120                             |  |  |
| 48"   | 102             | ~···                      | +90/-100                            | +90/-120                             |  |  |
| 54"   |                 |                           | +90/-100                            | +90/-120                             |  |  |
| 60"   |                 |                           |                                     | +90/-100                             |  |  |
| 70"   |                 |                           |                                     | +90/-100                             |  |  |
| 24"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 30"   |                 | +87.5/-87.5               | +90/-100                            | +90/-120                             |  |  |
| 36*   |                 | +74/-74                   | +90/-100                            | +90/-120                             |  |  |
| 42*   | 108"            | +64.5/-64.5               | +90/-100                            | +90/-120                             |  |  |
| 48*   |                 |                           | +90/-100                            | +90/-120                             |  |  |
| 54*   |                 |                           |                                     | +90/-100                             |  |  |
| 60"   |                 |                           |                                     | +90/-100                             |  |  |
| 24"   |                 | +90/-90                   | +90/-100                            | +90/-120                             |  |  |
| 30"   |                 | +74.2/-74.2               | +90/-100                            | +90/-120                             |  |  |
| 36"   | İ               | +62.6/-62.6               | +90/-100                            | +90/-120                             |  |  |
| 42"   | 114*            |                           | +90/-100                            | +90/-120                             |  |  |
| 48"   | İ               |                           | +90/-100                            | +90/-120                             |  |  |
| 54"   |                 |                           |                                     | +90/-100                             |  |  |
| 60"   | i               |                           |                                     | +90/-100                             |  |  |
| 24"   |                 | +78.5/-78.5               | +90/-100                            | +90/-120                             |  |  |
| 30"   |                 | +63.4/-63.4               | +90/-100                            | +90/-120                             |  |  |
| 36"   |                 | +53.5/-53.5               | +90/-100                            | +90/-120                             |  |  |
| 42"   | 120"            |                           | +90/-100                            | +90/-120                             |  |  |
| 48"   | 1               |                           | +90/-100                            | +90/-120                             |  |  |
| 54"   | 1               |                           |                                     | +90/-100                             |  |  |
| 60*   |                 |                           |                                     | +90/-100                             |  |  |
| 24*   |                 | +67.7/-67.7               | +90/-100                            | +90/-120                             |  |  |
| 30*   | 1               | +54.6/-54.6               | +90/-100                            | +90/-120                             |  |  |
| 36*   | 4201            | +46/-46                   | +90/-100                            | +90/-120                             |  |  |
| 42"   | 126"            |                           | +87.1/-96.8                         | +90/-116.5                           |  |  |
| 48"   | 1               |                           |                                     | +90/-100                             |  |  |
| 54"   | 1               | * -                       |                                     | +84/-93.4                            |  |  |
| 24"   |                 | +58.8/-58.8               | +90/-100                            | +90/-120                             |  |  |
| 30"   | 1               | +47.4/-47.4               | +90/-100                            | +90/-120                             |  |  |
| 36"   |                 |                           | +87.1/-96.7                         | +90/-116.4                           |  |  |
| 42"   | 132"            |                           | +75.4/-83.8                         | +90/-100.9                           |  |  |
| 48"   | İ               |                           |                                     | +80.5/-89.4                          |  |  |
| 54"   | İ               |                           |                                     | +72.6/-80.6                          |  |  |
| 24"   |                 | +51.4/-51.4               | +90/-100                            | +90/-120                             |  |  |
| 30*   | ł               | +41.4/-41.4               | +90/-100                            | +90/-120                             |  |  |
| 36*   | 138*            | . , , , , , , , , , , , , | +76/-84.4                           | +90/-101.6                           |  |  |
| 42"   | 1 ,55           |                           | - 101-04.7                          | +79.2/-88                            |  |  |
| 48"   | 1               |                           |                                     | +70.1/-77.9                          |  |  |
| 24*   |                 | +45.2/-45.2               | +90/-100                            | +90/-120                             |  |  |
| 30"   | -               | +36.4/-36.4               | +79.5/-88.3                         | +90/-120                             |  |  |
| 36"   | 144"            | T-30,4/-30.4              | +66.7/-74.1                         | +80,3/-89.3                          |  |  |
| 42"   | 144             |                           | +50.77-74.1                         | +69.5/-77.2                          |  |  |
| 42"   | 1               |                           |                                     | +69.3/-//.2                          |  |  |

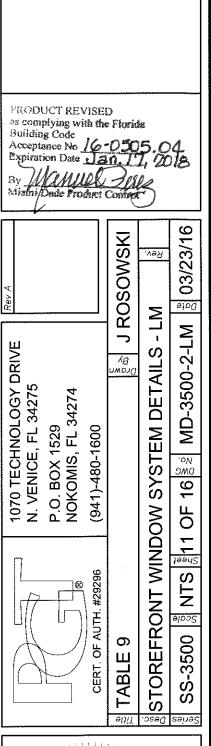
48"

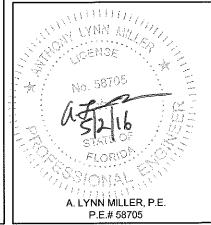
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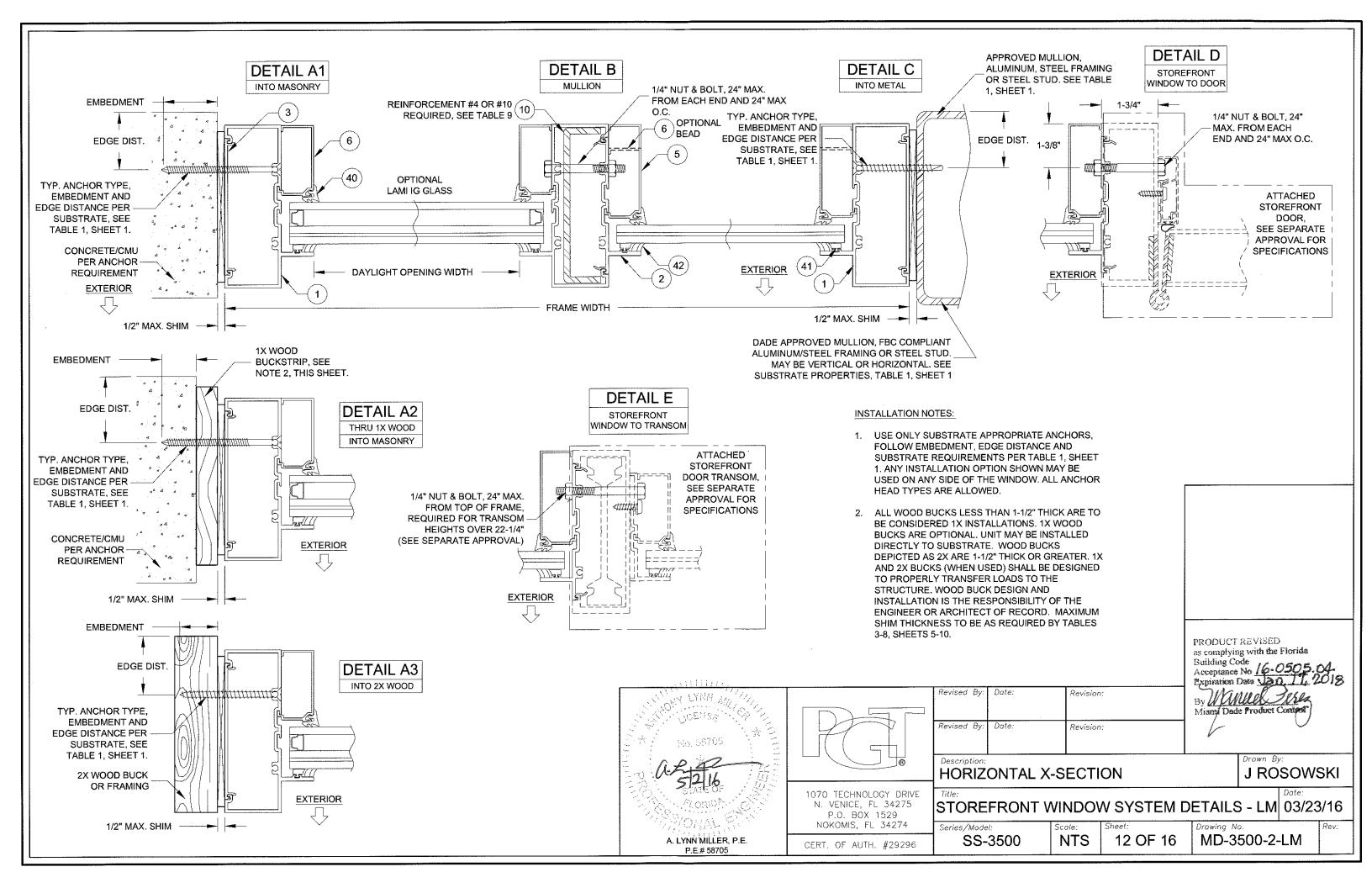


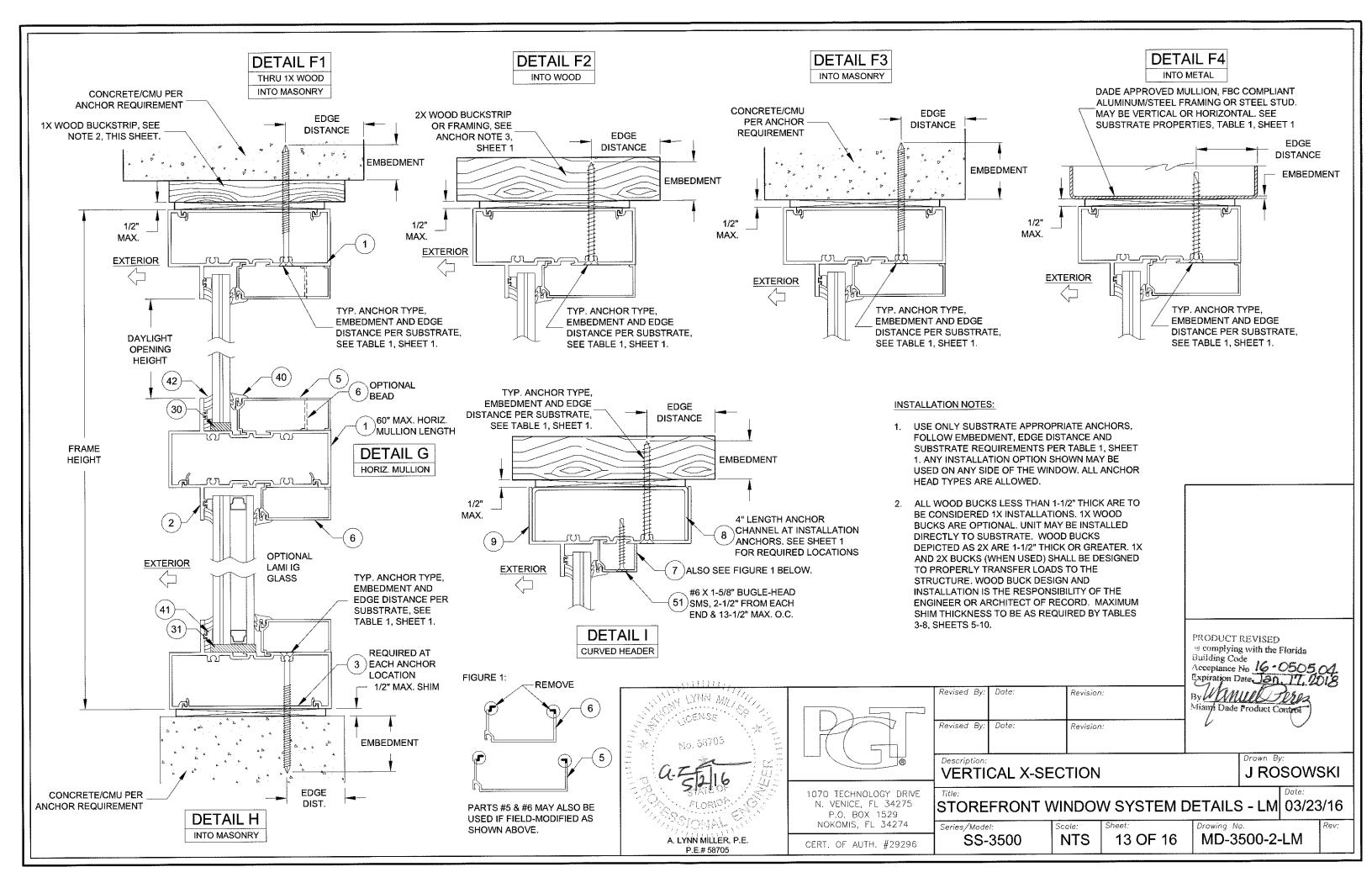
#### NOTES:

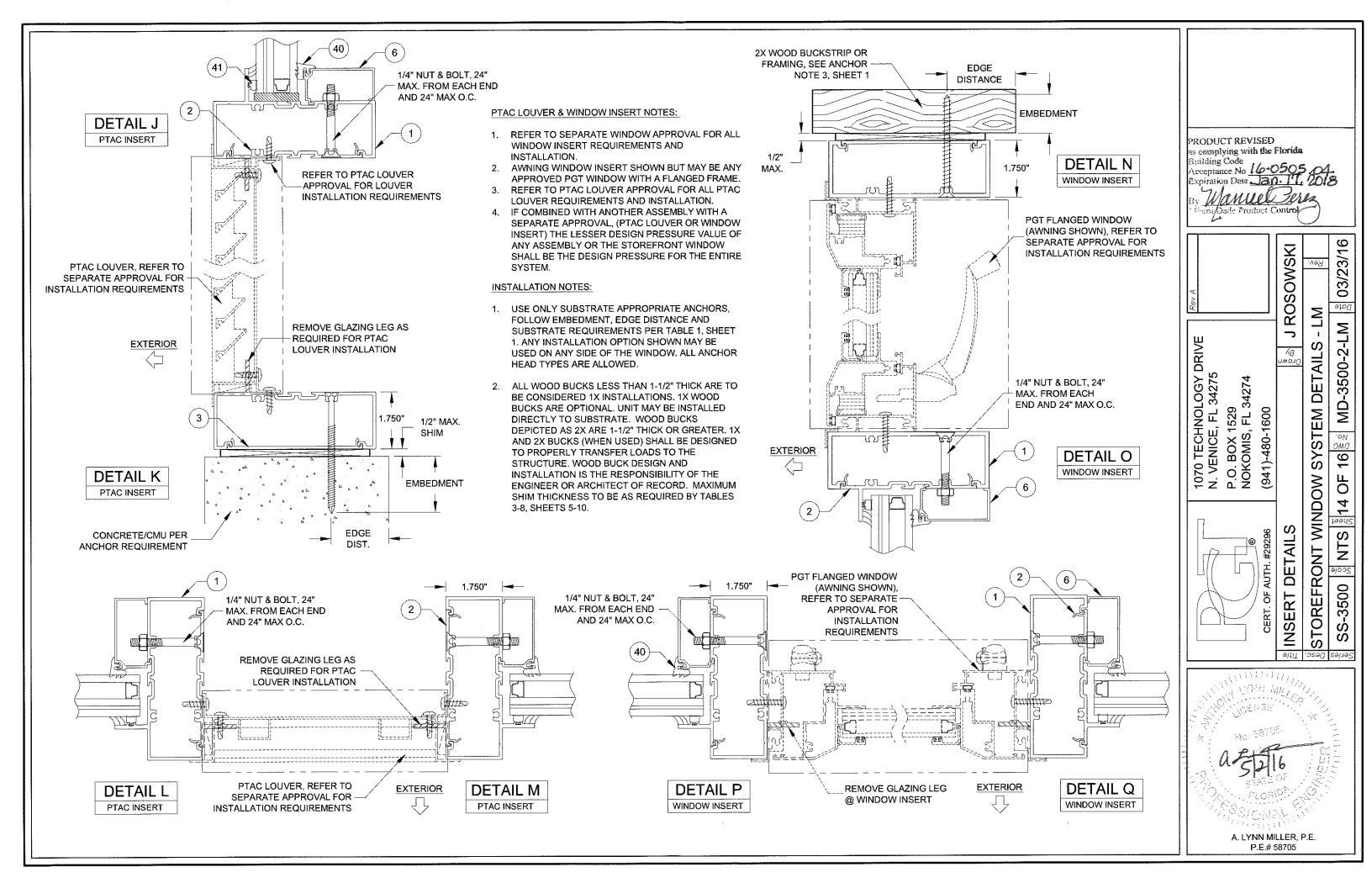
 IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.

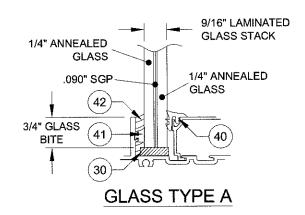


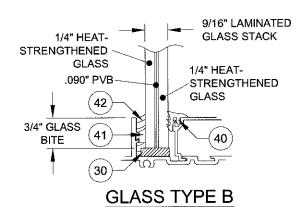


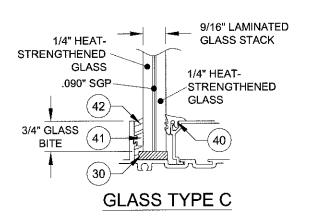


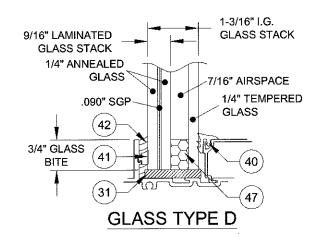


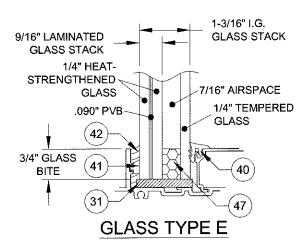


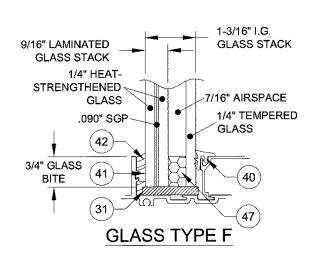


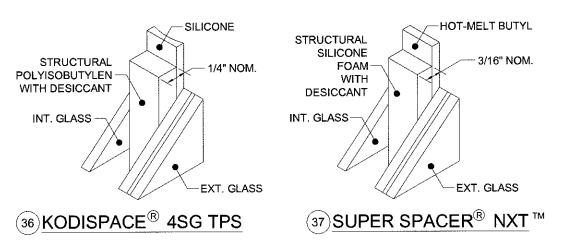


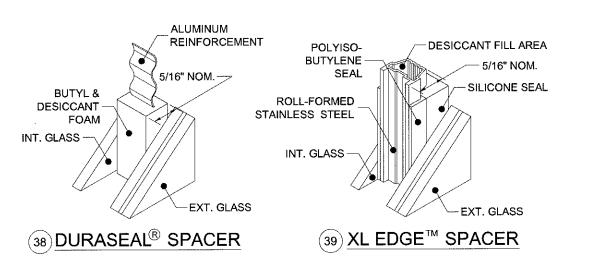


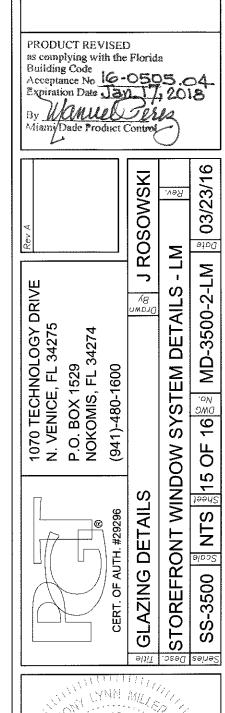


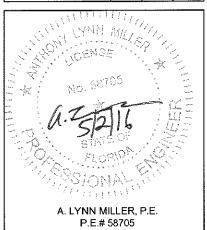












NOTES:

1. GLAZING FOR ALL GLASS TYPES MEETS ASTM E1300 FOR ALL APPROVED SIZES.

"PVB" = .090" BUTACITE® PVB INTERLAYER BY KURARAY AMERICA, INC. "SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

