

Printed on Feb 17, 2023 at 1:48 PM

| Printed on Feb 17, 2023 at 1:43 PM                                                                                                                                                                                                                                                                                                                          |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------|-------------|---------|---------|--------------------|------------------------|--------|-------|------------|------|---------|----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------|------|-----------|-----------------|---|---|------|-------------|--------------|--------------|---|---|---|--------------------------|
| Unit No.                                                                                                                                                                                                                                                                                                                                                    | Description             | Location                           | Nameplate   |         |         |                    | Overcurrent Protection |        |       | Feeder     |      |         | Fed From | Disconnect  |                                                                                                                                                            |   | Starter/VFD |      |           | Starter Control |   |   |      | Remarks     |              |              |   |   |   |                          |
|                                                                                                                                                                                                                                                                                                                                                             |                         |                                    | Voltage (V) | Phase Ø | MCA (A) | Load (HP, FLA, KW) | Type                   | Rating | Poles | Conductors | Bond | Conduit |          | NEMA Rating | S                                                                                                                                                          | I | C           | Type | NEMA Size | S               | I | C | Type | Remote Type | N/O Contacts | N/C Contacts | S | I | C |                          |
| AIR CONDITIONING EQUIPMENT                                                                                                                                                                                                                                                                                                                                  |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| CU-1                                                                                                                                                                                                                                                                                                                                                        | CONDENSING UNIT         | EXTERIOR - SOUTH CULTURAL ACTIVITY | 208         | 3       | 14      | 14.0 FLA           | CB                     | 30     | 3     | CU         |      | 8       |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | INT  |             |              |              |   |   |   | CONTROLLED BY FURNACE    |
| CU-2                                                                                                                                                                                                                                                                                                                                                        | CONDENSING UNIT         | EXTERIOR - SOUTH CULTURAL ACTIVITY | 208         | 3       | 22.5    | 18.0               | CB                     | 45     | 3     | CU         |      | 6       |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | INT  |             |              |              |   |   |   | CONTROLLED BY FURNACE    |
| CU-3                                                                                                                                                                                                                                                                                                                                                        | CONDENSING UNIT         | EXTERIOR - SOUTH CULTURAL ACTIVITY | 208         | 3       | 47.5    | 39.0               | CB                     | 90     | 3     | CU         |      | 1       |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | INT  |             |              |              |   |   |   | CONTROLLED BY FURNACE    |
| CU-4                                                                                                                                                                                                                                                                                                                                                        | CONDENSING UNIT         | EXTERIOR - SOUTH CULTURAL ACTIVITY | 208         | 3       | 92.5    | 37.0               | CB                     | 90     | 3     | CU         |      | 2       |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | INT  |             |              |              |   |   |   | CONTROLLED BY FURNACE    |
| AIR HANDLING                                                                                                                                                                                                                                                                                                                                                |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| F-1                                                                                                                                                                                                                                                                                                                                                         | FURNACE                 | MECHANICAL ROOM 117                | 208         | 3       | 12.5    | 10.0 FLA           | CB                     | 25     | 3     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| F-2                                                                                                                                                                                                                                                                                                                                                         | FURNACE                 | MECHANICAL ROOM 117                | 208         | 3       | 12.5    | 10.0 FLA           | CB                     | 25     | 3     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| F-3                                                                                                                                                                                                                                                                                                                                                         | FURNACE                 | MECHANICAL ROOM 203                | 208         | 3       | 12.5    | 10.0 FLA           | CB                     | 25     | 3     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| F-4                                                                                                                                                                                                                                                                                                                                                         | FURNACE                 | MECHANICAL ROOM 203                | 208         | 3       | 15      | 12.0 FLA           | CB                     | 30     | 3     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| DOMESTIC HOT WATER                                                                                                                                                                                                                                                                                                                                          |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| DHW-1                                                                                                                                                                                                                                                                                                                                                       | DOMESTIC HOT WATER TANK | MECHANICAL ROOM 203                | 120         | 1       | 6.25    | 5.0 FLA            | CB                     | 15     | 1     | CU         |      | 14      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | INT  |             |              |              |   |   |   |                          |
| EXHAUST FANS                                                                                                                                                                                                                                                                                                                                                |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| EF-1                                                                                                                                                                                                                                                                                                                                                        | EXHAUST FAN             | MECHANICAL ROOM 203                | 120         | 1       | 3.8     | 0.25 HP            | CB                     | 15     | 1     | CU         |      | 14      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | COMB |             |              |              |   |   |   | INTERLOCK LOCAL LIGHTING |
| EF-2                                                                                                                                                                                                                                                                                                                                                        | EXHAUST FAN             | ROOM 120                           | 208         | 3       | 8.7     | 1.5 HP             | CB                     | 20     | 3     | CU         |      | 12      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | VFD  |             |              |              |   |   |   | INTERLOCK LOCAL LIGHTING |
| BASEBOARD HEATERS                                                                                                                                                                                                                                                                                                                                           |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| BB-1                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | KITCHENETTE 108                    | 208         | 1       | 12.02   | 2.5 kW             | CB                     | 30     | 2     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-2                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | KITCHENETTE 108                    | 120         | 1       | 10      | 1.0 kW             | CB                     | 20     | 1     | CU         |      | 12      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-3                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | COMMONS 109                        | 120         | 1       | 10      | 1.0 kW             | CB                     | 20     | 1     | CU         |      | 12      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-4                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | COMMONS 109                        | 208         | 1       | 12.02   | 2.5 kW             | CB                     | 30     | 2     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-5                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | COMMONS 109                        | 120         | 1       | 10      | 1.0 kW             | CB                     | 20     | 1     | CU         |      | 12      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-6                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | CULTURAL ACTIVITY 110              | 208         | 1       | 12.02   | 2.5 kW             | CB                     | 30     | 2     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-7                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | CULTURAL ACTIVITY 110              | 208         | 1       | 12.02   | 2.5 kW             | CB                     | 30     | 2     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-8                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | MENS 104                           | 120         | 1       | 10      | 1.0 kW             | CB                     | 20     | 1     | CU         |      | 12      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| BB-9                                                                                                                                                                                                                                                                                                                                                        | BASEBOARD HEATER        | COMMONS 109                        | 120         | 1       | 10      | 1.0 kW             | CB                     | 20     | 1     | CU         |      | 12      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| FORCE FLOWS                                                                                                                                                                                                                                                                                                                                                 |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| FF-1                                                                                                                                                                                                                                                                                                                                                        | FORCE FLOW FAN          | FOYER 100                          | 120         | 1       | 7.5     | 6.0 FLA            | CB                     | 15     | 1     | CU         |      | 14      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| FF-2                                                                                                                                                                                                                                                                                                                                                        | FORCE FLOW FAN          | ROOM 120                           | 120         | 1       | 15      | 1.5 kW             | CB                     | 30     | 1     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| FF-3                                                                                                                                                                                                                                                                                                                                                        | FORCE FLOW FAN          | MECHANICAL ROOM 117                | 120         | 1       | 15      | 1.5 kW             | CB                     | 30     | 1     | CU         |      | 10      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| FF-4                                                                                                                                                                                                                                                                                                                                                        | FORCE FLOW FAN          | WATER METER 107                    | 120         | 1       | 7.5     | 6.0 FLA            | CB                     | 15     | 1     | CU         |      | 14      |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   | LTST |             |              |              |   |   |   | CONTROLLED BY THERMOSTAT |
| ZERO CARBON INITIATIVES                                                                                                                                                                                                                                                                                                                                     |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
|                                                                                                                                                                                                                                                                                                                                                             | EY CHARGING             | OUTSIDE BUILDING                   | 120         | 1       | 16.25   | 1.5kW              | CB                     | 35     | 1     | CU         |      | 8       |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| COMMON ABBREVIATIONS                                                                                                                                                                                                                                                                                                                                        |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| B=ELECTRICAL CONTRACTOR M=MECHANICAL CONTRACTOR INT=INTEGRAL TO UNIT (BY MANUFACTURER) S=SUPPLIED BY I=INSTALLED BY C=CONNECTED BY NR=NOT REQUIRED                                                                                                                                                                                                          |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| NAMEPLATE & FEEDER ABBREVIATIONS FLA=FULL LOAD AMPACITY MCA=MINIMUM CIRCUIT AMPACITY HP=HORSE POWER FU=FUUSEB P=POLES                                                                                                                                                                                                                                       |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| STARTER TYPE ABBREVIATIONS VFD=VARIABLE FREQUENCY DRIVE MAN=MANUAL COM=COMBO BREAKER MAG FVNR=FULL VOLTAGE NON-REVERSING FVR=FULL VOLTAGE REVERSING SOFT=SOFT STARTER TST=LINE VOLTAGE THERMOSTAT                                                                                                                                                           |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| STARTER CONTROL TYPE ABBREVIATIONS BMS=BUILDING MANAGEMENT SYSTEM H,O,A=HAND,OFF,AUTO F,O,R=FORWARD,OFF,REVERSE O,O=ON,OFF LTST=LOW VOLTAGE THERMOSTAT R,J=RUN,JOG F,R=FORWARD,REVERSE O,C=OPEN,CLOSE                                                                                                                                                       |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| GENERAL NOTES                                                                                                                                                                                                                                                                                                                                               |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| a. IN MOST CASES THE FLA'S AND ASSOCIATED BRANCH CIRCUITS ARE BASED ON THE CANADIAN ELECTRICAL CODE. CONFIRM THE ACTUAL FLA'S OF MOTORS WITH THE MECHANICAL CONTRACTOR ASSUMPTION THAT FLA'S OF MOTORS HAVE BEEN CONFIRMED. NO ADDITIONAL COSTS WILL BE CONSIDERED FOR FAILURE TO CONFIRM THE FLA'S OF MOTORS PRIOR TO SUBMISSION OF DISTRIBUTION EQUIPMENT |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             | REFERRAL NOTES                                                                                                                                             |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| [1] -                                                                                                                                                                                                                                                                                                                                                       |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             | [1] - PRIOR TO ORDERING EQUIPMENT (BREAKERS, OVERLOADS, ETC.), AND INSTALLATION OF BRANCH CIRCUITS, APPROVAL OF DISTRIBUTION SHOP DRAWINGS IS BASED ON THE |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| [2] -                                                                                                                                                                                                                                                                                                                                                       |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             | [2] - SHOP DRAWINGS.                                                                                                                                       |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| b. IF MOTOR FEEDER SIZES ARE NOT SHOWN, REFER TO SINGLE LINE SCHEDULE.                                                                                                                                                                                                                                                                                      |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| c. ELECTRICAL CONTRACTOR IS TO UPDATE ALL INFORMATION IN THIS SCHEDULE PRIOR TO SUBMITTING AS-BUILT DRAWINGS. THE OVERCURRENT PROTECTION AND MOTOR NAMEPLATE COLUMNS ARE TO BE FILLED IN BY THE CONTRACTOR.                                                                                                                                                 |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| d. WHERE INDICATED, PROVIDE ROOFTOP GFCI RECEPTACLES AS PER CEC RULE 26-704.                                                                                                                                                                                                                                                                                |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |
| e. UNLESS NOTED OTHERWISE, ALL EQUIPMENT TEMPERATURE RATINGS ARE ASSUMED TO BE 75°C (CONDUCTOR TEMPERATURE). FOR EXISTING EQUIPMENT, CONFIRM THAT THE TEMPERATURE RATINGS ARE 75°C. IF THE EQUIPMENT IS UNMARKED AND RATED 100 A OR LESS, ASSUME THE TEMPERATURE RATING IS 60°C AND INCREASE THE CONDUCTOR SIZE APPROPRIATELY (CEC RULE 4-006).             |                         |                                    |             |         |         |                    |                        |        |       |            |      |         |          |             |                                                                                                                                                            |   |             |      |           |                 |   |   |      |             |              |              |   |   |   |                          |