

| <b>Distribution... MSB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
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| <b>Location:</b> ELEC. 126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |    |                 |    | <b>Voltage:</b> 120/208 Wye |            |       |            |             | <b>Branch:</b>               |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| <b>Supplied From:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |    |                 |    | <b>Phase:</b> 3             |            |       |            |             | <b>A.I.C. Rating:</b> 65K/1C |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| <b>Mounting:</b> SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |    |                 |    | <b>Wire:</b> 4              |            |       |            |             | <b>Main Type:</b> MCB        |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| <b>Enclosure Type:</b> NEMA 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |    |                 |    | <b>Ground:</b>              |            |       |            |             | <b>Main Rating:</b> 600 A    |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| <b>General Panel Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="14" style="padding: 5px;">Breaker Information</th> </tr> <tr> <th colspan="3" style="padding: 5px;">Thermal Mag</th> <th colspan="11" style="padding: 5px;">Electronic Trip</th> </tr> <tr> <th style="padding: 5px;">Fixed</th> <th style="padding: 5px;">Adj. Inst.</th> <th style="padding: 5px;">L</th> <th style="padding: 5px;">S</th> <th style="padding: 5px;">I</th> <th style="padding: 5px;">G</th> <th style="padding: 5px;">100% Rated</th> <th style="padding: 5px;">Poles</th> <th style="padding: 5px;">Frame Size</th> <th style="padding: 5px;">Trip Rating</th> <th style="padding: 5px;">Load (kVA)</th> <th colspan="4" style="padding: 5px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">P1</td> <td colspan="13" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">P2</td> <td colspan="13" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">H1</td> <td colspan="13" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">VRFHP-1</td> <td colspan="13" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">5</td> <td style="padding: 5px;">Spare</td> <td style="padding: 5px;">--</td> <td style="padding: 5px;">--</td> <td style="padding: 5px;">--</td> <td style="padding: 5px;">--</td> <td style="padding: 5px;">--</td> <td style="padding: 5px;">--</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">100 A</td> <td style="padding: 5px;">100 A</td> <td style="padding: 5px;">17.3</td> <td colspan="3" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">6</td> <td colspan="14" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">7</td> <td colspan="14" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">8</td> <td colspan="14" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">9</td> <td colspan="14" style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">10</td> <td colspan="14" style="padding: 5px;"></td> </tr> <tr> <td colspan="11" style="padding: 5px;"></td> <td colspan="4" style="padding: 5px;"> <b>Total Connected Load (kVA):</b> 129.5                 </td> </tr> <tr> <td colspan="11" style="padding: 5px;"></td> <td colspan="4" style="padding: 5px;"> <b>Total Connected Load (Amps):</b> 359.4                 </td> </tr> </tbody> </table> |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  | Breaker Information |  |  |  |  |  |  |  |  |  |  |  |  |  | Thermal Mag |  |  | Electronic Trip |  |  |  |  |  |  |  |  |  |  | Fixed | Adj. Inst. | L | S | I | G | 100% Rated | Poles | Frame Size | Trip Rating | Load (kVA) |  |  |  |  | 1 | P1 |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | P2 |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | H1 |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 | VRFHP-1 |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 | Spare | -- | -- | -- | -- | -- | -- | 3 | 100 A | 100 A | 17.3 |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Total Connected Load (kVA):</b> 129.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Total Connected Load (Amps):</b> 359.4 |  |  |  |
| Breaker Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| Thermal Mag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |    | Electronic Trip |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Adj. Inst. | L  | S               | I  | G                           | 100% Rated | Poles | Frame Size | Trip Rating | Load (kVA)                   |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | P1         |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | P2         |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | H1         |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | VRFHP-1    |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Spare      | -- | --              | -- | --                          | --         | --    | 3          | 100 A       | 100 A                        | 17.3                                      |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |    |                 |    |                             |            |       |            |             |                              | <b>Total Connected Load (kVA):</b> 129.5  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |    |                 |    |                             |            |       |            |             |                              | <b>Total Connected Load (Amps):</b> 359.4 |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |
| <b>Remarks:</b><br>CONTRACTOR SHALL FIELD VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO ORDERING PANELBOARDS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |    |                 |    |                             |            |       |            |             |                              |                                           |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |  |  |       |            |   |   |   |   |            |       |            |             |            |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |    |    |    |    |    |    |   |       |       |      |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                           |  |  |  |

| Panelboard: P2                             |                           |                |                      |      |                                   |                   |           |       |                 |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------|---------------------------|----------------|----------------------|------|-----------------------------------|-------------------|-----------|-------|-----------------|---------------|---------------------|------------------------------|----------------|----|--|--|--|--|--|--|--|--|--|--|--|--|
| Location: ELEC 126                         |                           |                | Voltage: 120/208 Vye |      |                                   | Bus Rating: 225 A |           |       | Main Type: MLO  |               |                     | Mounting: Surface            |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| Supplied From: MBS                         |                           |                | Phase: 3             |      |                                   | Bus SCGR: 22KA    |           |       | MCB Rating:     |               |                     | Enclosure Type: Type I       |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| Branch: NORMAL                             |                           |                | Wire: 4              |      |                                   | SPD: No           |           |       | MCB ALC Rating: |               |                     | Basis Of Design: Square/D NO |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| Feed-Thru Lugs: No                         |                           |                |                      |      |                                   |                   |           |       |                 |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| MCB Type: Thermal Magnetic                 |                           |                |                      |      |                                   |                   |           |       |                 |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| C #                                        | Circuit Description       | Load Class     | Trip                 | Pole | A                                 | B                 | C         | Pole  | Trip            | Load Class    | Circuit Description | C #                          |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                                          | LTG RM 100-109, 128, EF-7 | Lighting: HVAC | 20                   | A    | 1                                 | 948               | 334       |       | 1               | 20 A          | Lighting: HVAC      | 1                            |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                                          | LTG RM 121-123, EF-8      | Lighting: HVAC | 20                   | A    | 1                                 |                   | 564       | 1,145 |                 | 1             | 20 A                | Lighting: HVAC               | 3              |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                                          | LTG RM 129                | Lighting       | 20                   | A    | 1                                 |                   |           |       | 1,310           | 1,210         | 1                   | 20 A                         | Lighting       | 5  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7                                          | EXTERIOR LIGHTING         | Lighting       | 20                   | A    | 1                                 | 1,080             | 990       |       |                 |               | 1                   | 20 A                         | Lighting       | 7  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9                                          | EXTERIOR LIGHTING         | Lighting       | 20                   | A    | 1                                 |                   | 625       | 830   |                 |               | 1                   | 20 A                         | Lighting       | 9  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11                                         | EXTERIOR LIGHTING         | Lighting       | 20                   | A    | 1                                 |                   |           |       | 317             | 400           | 1                   | 20 A                         | Receptacle     | 11 |  |  |  |  |  |  |  |  |  |  |  |  |
| 13                                         | AIR COMPRESSOR RM 132     | Receptacle (D) | 60                   | A    | 2                                 | 3,120             | 1,200     |       |                 |               | 1                   | 20 A                         | Motor          | 13 |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                                         | --                        | --             | --                   | --   | --                                |                   | 3,120     | 1,800 |                 |               | 1                   | 20 A                         | Motor          | 15 |  |  |  |  |  |  |  |  |  |  |  |  |
| 17                                         | GEN. BATTERY HEATER       | Motor          | 20                   | A    | 1                                 |                   |           |       | 1,200           | 1,200         | 1                   | 20 A                         | Receptacle (D) | 17 |  |  |  |  |  |  |  |  |  |  |  |  |
| 19                                         | REC-RM 131                | Receptacle     | 20                   | A    | 1                                 | 540               | 1,200     |       |                 |               | 1                   | 20 A                         | Receptacle (D) | 19 |  |  |  |  |  |  |  |  |  |  |  |  |
| 21                                         | DRYER RM 133              | Receptacle (D) | 50                   | A    | 2                                 |                   | 4,160     | 426   |                 |               | 2                   | 20 A                         | Receptacle (D) | 21 |  |  |  |  |  |  |  |  |  |  |  |  |
| 23                                         | --                        | --             | --                   | --   | --                                |                   |           |       | 4,160           | 426           | --                  | --                           | --             | 23 |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                                         | GEAR DRIER RM 123         | Receptacle (D) | 20                   | A    | 1                                 | 1,200             | 1,440     |       |                 |               | 1                   | 20 A                         | Receptacle     | 25 |  |  |  |  |  |  |  |  |  |  |  |  |
| 27                                         | CORD REEL RM 139          | Receptacle     | 20                   | A    | 1                                 |                   | 400       | 1,440 |                 |               | 1                   | 20 A                         | Receptacle     | 27 |  |  |  |  |  |  |  |  |  |  |  |  |
| 29                                         | MAINT RM 130              | Receptacle (D) | 20                   | A    | 1                                 |                   |           |       | 1,440           | 1,440         | 1                   | 20 A                         | Receptacle     | 29 |  |  |  |  |  |  |  |  |  |  |  |  |
| 31                                         | MOTORISED DAMPER          | Miscellaneous  | 20                   | A    | 1                                 | 400               | 1,440     |       |                 |               | 1                   | 20 A                         | Receptacle (D) | 31 |  |  |  |  |  |  |  |  |  |  |  |  |
| 33                                         | OVER HEAD DOORS - NORTH   | Motor          | 20                   | A    | 1                                 |                   | 1,200     | 1,440 |                 |               | 1                   | 20 A                         | Receptacle (D) | 33 |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                                         | OVER HEAD DOORS - NORTH   | Motor          | 20                   | A    | 1                                 |                   |           |       | 1,200           | 1,200         | 1                   | 20 A                         | Motor          | 35 |  |  |  |  |  |  |  |  |  |  |  |  |
| 37                                         | ICE MACHINE RM 122        | Receptacle (D) | 20                   | A    | 1                                 | 720               | 1,200     |       |                 |               | 1                   | 20 A                         | Motor          | 37 |  |  |  |  |  |  |  |  |  |  |  |  |
| 39                                         | MOTORISED DAMPER          | Miscellaneous  | 20                   | A    | 1                                 |                   | 500       | 180   |                 |               | 1                   | 20 A                         | Receptacle     | 39 |  |  |  |  |  |  |  |  |  |  |  |  |
| 41                                         | CO & NO2 SENSOR           | Miscellaneous  | 20                   | A    | 1                                 |                   |           |       | 360             | 0             | 1                   | 20 A                         | --             | 41 |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Connected Load Per Phase:            |                           |                |                      |      | 15,809 VA                         |                   | 17,818 VA |       | 15,863 VA       |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Connected Current Per Phase:         |                           |                |                      |      | 132 A                             |                   | 149 A     |       | 132 A           |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| Abbreviations:                             |                           |                |                      |      |                                   |                   |           |       |                 |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| (C) Continuous Load                        |                           |                |                      |      | Load Classifications Connected VA |                   |           |       |                 | Demand Factor |                     | Estimated Demand             |                |    |  |  |  |  |  |  |  |  |  |  |  |  |
| (D) Fixed Device Connected to a receptacle |                           |                |                      |      |                                   |                   |           |       |                 |               |                     |                              |                |    |  |  |  |  |  |  |  |  |  |  |  |  |

| Panelboard: P1                                                                                                                                                                                                                                                    |                                   |                |                      |      |                                                                                              |                   |           |                                              |                 |                            |                                                                                                                                         |                |       |    |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|----------------------|------|----------------------------------------------------------------------------------------------|-------------------|-----------|----------------------------------------------|-----------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|----|--|--|--|
| Location: ELEC 126                                                                                                                                                                                                                                                |                                   |                | Voltage: 120/208 Vye |      |                                                                                              | Bus Rating: 225 A |           |                                              | Main Type: MLO  |                            | Mounting: Surface                                                                                                                       |                |       |    |  |  |  |
| Supplied From: M59                                                                                                                                                                                                                                                |                                   |                | Phase: 3             |      |                                                                                              | Bus SCGR: 23KA    |           |                                              | MCB Rating:     |                            | Enclosure Type: Type 1                                                                                                                  |                |       |    |  |  |  |
| Branch: NORMAL                                                                                                                                                                                                                                                    |                                   |                | Wire: 4              |      |                                                                                              | SPD: No           |           |                                              | MCB ALC Rating: |                            | Basis of Design: Squared NQ                                                                                                             |                |       |    |  |  |  |
| Feed-Thru Lugs: No                                                                                                                                                                                                                                                |                                   |                |                      |      |                                                                                              |                   |           |                                              |                 | MCB Type: Thermal Magnetic |                                                                                                                                         |                |       |    |  |  |  |
| C #                                                                                                                                                                                                                                                               | Circuit Description               | Load Class     | Trip                 | Pole | A                                                                                            | B                 | C         | Pole                                         | Trip            | Load Class                 | Circuit Description                                                                                                                     | C #            |       |    |  |  |  |
| 1                                                                                                                                                                                                                                                                 | IT                                | Receptacle (D) | 30 A                 | 1    | 1,440                                                                                        | 720               |           | 1                                            | 20 A            | Receptacle (D)             | FACP                                                                                                                                    | 2              |       |    |  |  |  |
| 3                                                                                                                                                                                                                                                                 | RADIO                             | Receptacle (D) | 20 A                 | 1    |                                                                                              | 1,440             | 940       |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 4              |       |    |  |  |  |
| 5                                                                                                                                                                                                                                                                 | REC-RM 101                        | Receptacle.... | 20 A                 | 1    |                                                                                              |                   | 1,420     | 720                                          | 1               | 20 A                       | Receptacle                                                                                                                              | 6              |       |    |  |  |  |
| 7                                                                                                                                                                                                                                                                 | REC-RM 102 104A,EWC               | Receptacle.... | 20 A                 | 1    | 600                                                                                          | 1,120             |           |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 8              |       |    |  |  |  |
| 9                                                                                                                                                                                                                                                                 | REC-RM 106 108                    | Receptacle     | 20 A                 | 1    |                                                                                              | 1,440             | 1,200     |                                              | 1               | 20 A                       | Receptacle (D)                                                                                                                          | 10             |       |    |  |  |  |
| 11                                                                                                                                                                                                                                                                | REFRIGERATOR-RM 105               | Receptacle (D) | 20 A                 | 1    |                                                                                              |                   | 1,200     | 1,800                                        | 1               | 20 A                       | Receptacle (D)                                                                                                                          | 12             |       |    |  |  |  |
| 13                                                                                                                                                                                                                                                                | COFFEE MAKER-RM 105               | Receptacle.... | 20 A                 | 1    | 1,020                                                                                        | 1,440             |           |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 14             |       |    |  |  |  |
| 15                                                                                                                                                                                                                                                                | UIC REF REC-RM 122                | Receptacle.... | 20 A                 | 1    |                                                                                              | 780               | 540       |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 16             |       |    |  |  |  |
| 17                                                                                                                                                                                                                                                                | REC-FF RM 110,112,114             | Receptacle     | 20 A                 | 1    |                                                                                              |                   | 1,080     | 1,080                                        | 1               | 20 A                       | Receptacle                                                                                                                              | 18             |       |    |  |  |  |
| 19                                                                                                                                                                                                                                                                | REC-RM 113,115,117,124A,126       | Receptacle     | 20 A                 | 1    | 1,080                                                                                        | 4,160             |           |                                              | 2               | 50 A                       | Receptacle (D)                                                                                                                          | 20             |       |    |  |  |  |
| 21                                                                                                                                                                                                                                                                | WASHER RM 124                     | Receptacle (D) | 20 A                 | 1    |                                                                                              | 1,200             | 4,160     |                                              | --              | --                         | --                                                                                                                                      | 22             |       |    |  |  |  |
| 23                                                                                                                                                                                                                                                                | REC RM 119                        | Receptacle     | 20 A                 | 1    |                                                                                              |                   |           | 900                                          | 1,320           | 1                          | 20 A                                                                                                                                    | Receptacle.... | 24    |    |  |  |  |
| 25                                                                                                                                                                                                                                                                | REC-REF 113,111,118A,124A,125,127 | Receptacle     | 20 A                 | 1    | 1,200                                                                                        | 1,800             |           |                                              | 1               | 20 A                       | Receptacle (D)                                                                                                                          | 26             |       |    |  |  |  |
| 27                                                                                                                                                                                                                                                                | RANGE/(CR) RM 122                 | Receptacle (D) | 20 A                 | 1    |                                                                                              | 1,440             | 1,260     |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 28             |       |    |  |  |  |
| 29                                                                                                                                                                                                                                                                | DISH WASHER RM 122                | Receptacle (D) | 20 A                 | 1    |                                                                                              |                   |           | 960                                          | 720             | 1                          | 20 A                                                                                                                                    | Receptacle (D) | 30    |    |  |  |  |
| 31                                                                                                                                                                                                                                                                | COPIER                            | Receptacle (D) | 20 A                 | 1    | 1,200                                                                                        | 720               |           |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 32             |       |    |  |  |  |
| 33                                                                                                                                                                                                                                                                | DWH-1, HW/CPI-1 RM 128A           | Receptacle (D) | 20 A                 | 1    |                                                                                              | 600               | 360       |                                              | 1               | 20 A                       | Receptacle                                                                                                                              | 34             |       |    |  |  |  |
| 35                                                                                                                                                                                                                                                                | Spare                             | --             | 20 A                 | 1    |                                                                                              |                   |           | 0                                            | 0               | 1                          | 20 A                                                                                                                                    | --             | 36    |    |  |  |  |
| 37                                                                                                                                                                                                                                                                | Spare                             | --             | 20 A                 | 1    | 0                                                                                            | 0                 |           |                                              | 1               | 20 A                       | --                                                                                                                                      | Spare          | 38    |    |  |  |  |
| 39                                                                                                                                                                                                                                                                | Spare                             | --             | 20 A                 | 1    |                                                                                              | 0                 | 0         |                                              | 1               | 20 A                       | --                                                                                                                                      | Spare          | 40    |    |  |  |  |
| 41                                                                                                                                                                                                                                                                | Spare                             | --             | 20 A                 | 1    |                                                                                              |                   |           | 0                                            | 0               | 1                          | 20 A                                                                                                                                    | --             | Spare | 42 |  |  |  |
| Total Connected Load Per Phase:                                                                                                                                                                                                                                   |                                   |                |                      |      | 16,560 VA                                                                                    | 15,360 VA         | 11,200 VA |                                              |                 |                            |                                                                                                                                         |                |       |    |  |  |  |
| Total Connected Current Per Phase:                                                                                                                                                                                                                                |                                   |                |                      |      | 143 A                                                                                        | 133 A             | 93 A      |                                              |                 |                            |                                                                                                                                         |                |       |    |  |  |  |
| <b>Abbreviations:</b><br>(C) Continuous Load<br>(D) Fixed Device Connected to a receptacle                                                                                                                                                                        |                                   |                |                      |      |                                                                                              |                   |           |                                              |                 |                            |                                                                                                                                         |                |       |    |  |  |  |
| <b>General Panel Notes:</b><br>1. Panelboard shall be fully rated. Panelboard withstand rating and main circuit breaker interrupting capacity shall be confirmed with short circuit calculations provided in the design documents. Greater one shall be provided. |                                   |                |                      |      |                                                                                              |                   |           |                                              |                 |                            |                                                                                                                                         |                |       |    |  |  |  |
| <b>Notes:</b><br>CONTRACTOR SHALL FIELD VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO ORDERING PANELBOARDS.                                                                                                                                                |                                   |                |                      |      |                                                                                              |                   |           |                                              |                 |                            |                                                                                                                                         |                |       |    |  |  |  |
|                                                                                                                                                                                                                                                                   |                                   |                |                      |      | <b>Load Classifications</b><br>Receptacle 16880 VA 79.66%<br>Receptacle (D) 26280 VA 100.00% |                   |           | <b>Demand Factor</b><br>13430 VA<br>26260 VA |                 |                            | <b>Panel Totals</b><br>Total Connected Load (VA): 43,120 VA<br>Total Conn. Current (A): 120 A<br>Calculated Demand Load (VA): 39,690 VA |                |       |    |  |  |  |

Panelboard: H1

Location: ELEC 126

Supplied From: MSB

Branch: NORMAL

Voltage: 120/208 Vye

Phase: 3

Wires: 4

Bus Rating: 225 A

Bus SCCR: 22kA

SPD: No

Fed-Thru Lugs: No

Main Type: MLO

MCB Rating:

MCB A.I.C. Rating:

MCB Type: Thermal Magnetic

Mounting: Surface

Enclosure Type: Type 1

Base Of Design: Squared NO

| C #                                | Circuit Description | Load Class      | Ventilation (C) | Trip     | Pole  | A        | B     | C        | Pole  | Trip | Load Class  | Circuit Description               | C #          |    |
|------------------------------------|---------------------|-----------------|-----------------|----------|-------|----------|-------|----------|-------|------|-------------|-----------------------------------|--------------|----|
| 1                                  | ERV-1               | ---             | 30 A            | 2        | 1,674 | 216      |       |          | 1     | 20 A | Heat & Cool | RH-1                              | 2            |    |
| 3                                  | ---                 | ---             | ---             | ---      | ---   | 1,674    | 216   |          | 1     | 20 A | Heat & Cool | RH-2                              | 4            |    |
| 5                                  | Spare               | ---             | 20 A            | 1        | ---   | ---      | ---   | 0        | 216   | 1    | 20 A        | Heat & Cool                       | RH-3         | 6  |
| 7                                  | HVLS-1              | Ventilation (C) | 20 A            | 2        | 1,040 | 216      |       |          | 1     | 20 A | Heat & Cool | RH-4                              | 8            |    |
| 9                                  | ---                 | ---             | ---             | ---      | ---   | ---      | ---   |          | 2     | 20 A | Heat & Cool | FCU-1, FCU-2, FCU-3, FCU-4, FCU-5 | 10           |    |
| 11                                 | EF-5                | Heat & Cool     | 20 A            | 2        | ---   | ---      | 1,040 | 624      | 1,144 | 624  | ---         | ---                               | 12           |    |
| 13                                 | ---                 | ---             | ---             | ---      | 1,144 | 624      | ---   | ---      | 2     | 20 A | Heat & Cool | FCU-5 THRU FCU-10                 | 14           |    |
| 15                                 | EF-6                | Heat & Cool     | 20 A            | 2        | ---   | ---      | 1,144 | 624      | ---   | ---  | ---         | ---                               | 16           |    |
| 17                                 | ---                 | ---             | ---             | ---      | ---   | ---      | ---   | 1,144    | 240   | 1    | 20 A        | Equipment                         | DWH-1/HWCP-1 | 18 |
| 19                                 | ACCU-1, AC-1        | Heat & Cool     | 30 A            | 2        | 1,498 | 0        | ---   | ---      | 1     | 20 A | ---         | Spare                             | 20           |    |
| 21                                 | ---                 | ---             | ---             | ---      | ---   | ---      | 1,498 | 0        | ---   | 1    | 20 A        | ---                               | Spare        | 22 |
| 23                                 | EUH-1 MAINT 130     | Heat & Cool     | 20 A            | 2        | ---   | ---      | ---   | 1,498    | 0     | 1    | 20 A        | ---                               | Spare        | 24 |
| 25                                 | ---                 | ---             | ---             | ---      | 1,498 | 0        | ---   | ---      | 1     | 20 A | ---         | Spare                             | 26           |    |
| 27                                 | Spare               | ---             | 20 A            | 1        | ---   | 0        | 0     | 0        | ---   | 1    | 20 A        | ---                               | Spare        | 28 |
| 29                                 | Spare               | ---             | 20 A            | 1        | ---   | ---      | ---   | 0        | 0     | 1    | 20 A        | ---                               | Spare        | 30 |
| 31                                 | Spare               | ---             | 20 A            | 1        | 0     | 0        | ---   | ---      | 1     | 20 A | ---         | Spare                             | 32           |    |
| 33                                 | Spare               | ---             | 20 A            | 1        | ---   | 0        | 0     | ---      | 1     | 20 A | ---         | Spare                             | 34           |    |
| 35                                 | Spare               | ---             | ---             | ---      | ---   | ---      | ---   | ---      | ---   | 1    | ---         | Spare                             | 36           |    |
| 37                                 | Spare               | ---             | ---             | ---      | ---   | ---      | ---   | ---      | ---   | 1    | ---         | Spare                             | 38           |    |
| 39                                 | Spare               | ---             | ---             | ---      | ---   | ---      | ---   | ---      | ---   | 1    | ---         | Spare                             | 40           |    |
| 41                                 | Spare               | ---             | ---             | ---      | ---   | ---      | ---   | ---      | ---   | 1    | ---         | Spare                             | 42           |    |
| Total Connected Load Per Phase:    |                     |                 |                 | 7,910 VA |       | 6,820 VA |       | 4,866 VA |       |      |             |                                   |              |    |
| Total Connected Current Per Phase: |                     |                 |                 | 68 A     |       | 59 A     |       | 41 A     |       |      |             |                                   |              |    |

Abbreviations:

(C) Continuous Load

(D) Fixed Device Connected to a receptacle

General Panel Notes:

1. Panelboard shall be fully rated. Panelboard withstand rating and main circuit breaker interrupting capacity shall be confirmed with short circuit calculations provided in the design documents. Greater one shall be provided.

Notes:

CONTRACTOR SHALL FIELD VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO ORDERING PANELBOARDS.

Load Classifications Connected VA

Equipment

Heat & Cool

Ventilation (C)

240 VA

13926 VA

5429 VA

100.00%

100.00%

125.00%

Estimated Demand

240 VA

13926 VA

6786 VA

Panel Totals

Total Connected Load (VA): 19,595 VA

Total Conn. Current (A): 54 A

Calculated Demand Load (VA): 20,952 VA

Calculated Demand Current (A): 58 A