Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/16/17

| NOTIFICATION APPLIANCE CIRCUIT VOLTAGE DROPS | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Immucell<br>Portland, Maine | | | | | | | | | | | | | |
| **PANEL** | **CIRCUIT** | **WIRE GAUGE** | **LENGTH** | **CURRENT DRAW** | **VOLTAGE DROP** | | **VOLTAGE LOSS** | **END VOLTAGE @ 24.0VDC** | | **END VOLTAGE @ 20.4VDC** | | **CIRCUIT LOAD** |
| FACP | NAC 1 | 14 | 105 FT | .8A | 0.42 | VDC | 1.75% | 23.58 | VDC | 19.98 | VDC | 32% |
| FACP | NAC 2 | 14 | 120 FT | .8A | 0.48 | VDC | 2.00% | 23.52 | VDC | 19.92 | VDC | 32% |
| | | | | | | | | | | | | |
| FCPS | NAC 1 | 14 | 255 FT | 1.042A | 1.34 | VDC | 5.58% | 22.66 | VDC | 19.06 | VDC | 35% |
| FCPS | NAC 2 | 14 | 355 FT | 1.391A | 2.49 | VDC | 10.38% | 21.51 | VDC | 17.91 | VDC | 46% |
| FCPS | NAC 3 | 14 | 180 FT | .728A | 0.66 | VDC | 2.75% | 23.34 | VDC | 19.74 | VDC | 24% |
| FCPS | NAC 4 | 14 | 155 FT | .96A | 0.75 | VDC | 3.13% | 23.25 | VDC | 19.65 | VDC | 32% |
| **FCPS #1: 4.121A/8A Spare Capacity: 48%** | | | | | | | | | | | | |
| Calculated @ Maximum Distance/Current | | | | | | | | | | | | |