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| Branch Panel: HP1 | | | | | | | | | | | |
|---|-------------------------------------|----------------|-------|---------------|-------------------|------------------|---------|---------------------------------|------|---------------------|-----|
| Location: BUILDING 1 EXTERIOR | | | | | Volts: 120/240 1P | | | A.I.C. Rating: 22,000 | | | |
| Supply From: MC1 | | | | | Phases: 1 | | | Mains Type: MAIN BREAKER | | | |
| Mounting: SURFACE | | | | | Wires: 3 | | | Mains Rating: 125 A | | | |
| Enclosure: NEMA 3R | | | | | | | | MCB Rating: 125 A | | | |
| CKT | Circuit Description | Trip | Poles | A | | B | | Poles | Trip | Circuit Description | CKT |
| 1 | R - RECEPTACLE | 20 A | 1 | 1080 VA | 580 VA | | | 1 | 20 A | L - BREEZEWAY | 2 |
| 3 | R - RECEPTACLE | 20 A | 1 | | | 1080 VA | 630 VA | 1 | 20 A | L - BREEZEWAY | 4 |
| 5 | E - FIRE ALARM CONTROL PANEL "FACP" | 20 A | 1 | 500 VA | 313 VA | | | 1 | 20 A | L - WALL PACKS | 6 |
| 7 | E - LIGHTING CONTROL PANEL "LCP1" | 20 A | 1 | | | 500 VA | 522 VA | 1 | 20 A | L - WALL PACKS | 8 |
| 9 | H - ELECTRIC WALL HEATER "EWH-1" | 20 A | 2 | 1000 VA | 0 VA | | | 1 | 20 A | SPARE | 10 |
| 11 | -- | -- | -- | | | 1000 VA | 0 VA | 1 | 20 A | SPARE | 12 |
| 13 | E - HEAT TRACE | 20 A | 1 | 354 VA | 0 VA | | | 1 | 20 A | SPARE | 14 |
| 15 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 16 |
| 17 | SPARE | 20 A | 1 | 0 VA | 0 VA | | | 1 | 20 A | SPARE | 18 |
| 19 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 20 |
| 21 | SPARE | 20 A | 1 | 0 VA | 1200 VA | | | 2 | 20 A | L - SITE LIGHTING | 22 |
| 23 | SPARE | 20 A | 1 | | | 0 VA | 1200 VA | -- | -- | -- | 24 |
| Total Load: | | | | 5027 VA | | 4932 VA | | | | | |
| Total Amps: | | | | 42 A | | 41 A | | | | | |
| Load Classification | | Connected Load | | Demand Factor | | Estimated Demand | | Panel Totals | | | |
| H - HVAC | | 2000 VA | | 75.00% | | 1500 VA | | | | | |
| L - LIGHTING | | 2046 VA | | 100.00% | | 2046 VA | | Total Conn. Load: 9960 VA | | | |
| R - RECEPTACLE | | 2160 VA | | 100.00% | | 2160 VA | | Total Est. Demand: 9121 VA | | | |
| E - EQUIPMENT | | 1354 VA | | 75.00% | | 1016 VA | | Total Conn. Current: 41 A | | | |
| | | | | | | | | Total Est. Demand Current: 38 A | | | |
| | | | | | | | | | | | |
| NOTE: 1. PANEL SHALL HAVE 3.75" x 14.25" CABINET AND SHALL BE SQUARE "D" CO. "QO" TYPE. | | | | | | | | | | | |
| 2. AFCI TYPE BREAKERS | | | | | | | | | | | |
| 3. GFCI TYPE BREAKERS | | | | | | | | | | | |

| Branch Panel: HP2 | | | | | | | | | | | |
|---|-------------------------------------|----------------|-------|---------------|-------------------|------------------|---------|---------------------------------|------|---------------------|-----|
| Location: BUILDING 2 EXTERIOR | | | | | Volts: 120/240 1P | | | A.I.C. Rating: 22,000 | | | |
| Supply From: MC2 | | | | | Phases: 1 | | | Mains Type: MAIN BREAKER | | | |
| Mounting: SURFACE | | | | | Wires: 3 | | | Mains Rating: 125 A | | | |
| Enclosure: NEMA 3R | | | | | | | | MCB Rating: 125 A | | | |
| CKT | Circuit Description | Trip | Poles | A | | B | | Poles | Trip | Circuit Description | CKT |
| 1 | R - RECEPTACLE | 20 A | 1 | 1080 VA | 588 VA | | | 1 | 20 A | L - BREEZEWAY | 2 |
| 3 | R - RECEPTACLE | 20 A | 1 | | | 1080 VA | 633 VA | 1 | 20 A | L - BREEZEWAY | 4 |
| 5 | E - FIRE ALARM CONTROL PANEL "FACP" | 20 A | 1 | 500 VA | 470 VA | | | 1 | 20 A | L - WALL PACKS | 6 |
| 7 | E - LIGHTING CONTROL PANEL "LCP2" | 20 A | 1 | | | 500 VA | 470 VA | 1 | 20 A | L - WALL PACKS | 8 |
| 9 | H - ELECTRIC WALL HEATER "EWH-1" | 20 A | 2 | 1000 VA | 0 VA | | | 1 | 20 A | SPARE | 10 |
| 11 | -- | -- | -- | | | 1000 VA | 0 VA | 1 | 20 A | SPARE | 12 |
| 13 | E - HEAT TRACE | 20 A | 1 | 177 VA | 0 VA | | | 1 | 20 A | SPARE | 14 |
| 15 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 16 |
| 17 | SPARE | 20 A | 1 | 0 VA | 0 VA | | | 1 | 20 A | SPARE | 18 |
| 19 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 20 |
| 21 | SPARE | 20 A | 1 | 0 VA | 1200 VA | | | 2 | 20 A | L - SITE LIGHTING | 22 |
| 23 | SPARE | 20 A | 1 | | | 0 VA | 1200 VA | -- | -- | -- | 24 |
| Total Load: | | | | 5015 VA | | 4883 VA | | | | | |
| Total Amps: | | | | 42 A | | 41 A | | | | | |
| Load Classification | | Connected Load | | Demand Factor | | Estimated Demand | | Panel Totals | | | |
| H - HVAC | | 2000 VA | | 75.00% | | 1500 VA | | | | | |
| L - LIGHTING | | 2161 VA | | 100.00% | | 2161 VA | | Total Conn. Load: 9898 VA | | | |
| R - RECEPTACLE | | 2160 VA | | 100.00% | | 2160 VA | | Total Est. Demand: 9104 VA | | | |
| E - EQUIPMENT | | 1177 VA | | 75.00% | | 883 VA | | Total Conn. Current: 41 A | | | |
| | | | | | | | | Total Est. Demand Current: 38 A | | | |
| | | | | | | | | | | | |
| NOTE: 1. PANEL SHALL HAVE 3.75" x 14.25" CABINET AND SHALL BE SQUARE "D" CO. "QO" TYPE. | | | | | | | | | | | |
| 2. AFCI TYPE BREAKERS | | | | | | | | | | | |
| 3. GFCI TYPE BREAKERS | | | | | | | | | | | |

| Branch Panel: HP3 | | | | | | | | | | | |
|---|-------------------------------------|----------------|-------|---------------|--|------------------|---------|---|------|---------------------|-----|
| Location: Supply From: BUILDING 3 EXTERIOR Mounting: SURFACE Enclosure: NEMA 3R | | | | | Volts: 120/240 1P Phases: 1 Wires: 3 | | | A.I.C. Rating: 22,000 Mains Type: MAIN BREAKER Mains Rating: 125 A MCB Rating: 125 A | | | |
| CKT | Circuit Description | Trip | Poles | A | | B | | Poles | Trip | Circuit Description | CKT |
| 1 | R - RECEPTACLE | 20 A | 1 | 1260 VA | 758 VA | | | 1 | 20 A | L - BREEZEWAY | 2 |
| 3 | R - RECEPTACLE | 20 A | 1 | | | 1260 VA | 803 VA | 1 | 20 A | L - BREEZEWAY | 4 |
| 5 | E - LIGHTING CONTROL PANEL "LCP3" | 20 A | 1 | 500 VA | 470 VA | | | 1 | 20 A | L - WALL PACKS | 6 |
| 7 | E - FIRE ALARM CONTROL PANEL "FACP" | 20 A | 1 | | | 500 VA | 470 VA | 1 | 20 A | L - WALL PACKS | 8 |
| 9 | H - ELECTRIC WALL HEATER "EWH-1" | 20 A | 2 | 1000 VA | 0 VA | | | 1 | 20 A | SPARE | 10 |
| 11 | -- | -- | -- | | | 1000 VA | 0 VA | 1 | 20 A | SPARE | 12 |
| 13 | E - HEAT TRACE | 20 A | 1 | 177 VA | 0 VA | | | 1 | 20 A | SPARE | 14 |
| 15 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 16 |
| 17 | SPARE | 20 A | 1 | 0 VA | 0 VA | | | 1 | 20 A | SPARE | 18 |
| 19 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 20 |
| 21 | SPARE | 20 A | 1 | 0 VA | 1200 VA | | | 2 | 20 A | L - SITE LIGHTING | 22 |
| 23 | SPARE | 20 A | 1 | | | 0 VA | 1200 VA | -- | -- | -- | 24 |
| Total Load: | | | | 5365 VA | | 5233 VA | | | | | |
| Total Amps: | | | | 45 A | | 44 A | | | | | |
| Load Classification | | Connected Load | | Demand Factor | | Estimated Demand | | Panel Totals | | | |
| H - HVAC | | 2000 VA | | 75.00% | | 1500 VA | | | | | |
| L - LIGHTING | | 2501 VA | | 100.00% | | 2501 VA | | Total Conn. Load: 10598 VA | | | |
| R - RECEPTACLE | | 2520 VA | | 100.00% | | 2520 VA | | Total Est. Demand: 9804 VA | | | |
| E - EQUIPMENT | | 1177 VA | | 75.00% | | 883 VA | | Total Conn. Current: 44 A | | | |
| | | | | | | | | Total Est. Demand Current: 41 A | | | |
| | | | | | | | | | | | |
| NOTE: 1. PANEL SHALL HAVE 3.75" x 14.25" CABINET AND SHALL BE SQUARE "D" CO. "QO" TYPE. 2. AFCI TYPE BREAKERS 3. GFCI TYPE BREAKERS | | | | | | | | | | | |

| Branch Panel: HP4 | | | | | | | | | | | |
|-------------------------------|-------------------------------------|----------------|-------|---------------|-------------------|------------------|---------|----------------------------|------|---------------------|-----|
| Location: BUILDING 4 EXTERIOR | | | | | Volts: 120/240 1P | | | A.I.C. Rating: 22,000 | | | |
| Supply From: WIR | | | | | Phases: 1 | | | Mains Type: MAIN BREAKER | | | |
| Mounting: SURFACE | | | | | Wires: 3 | | | Mains Rating: 125 A | | | |
| Enclosure: NEMA 3R | | | | | | | | MCB Rating: 125 A | | | |
| CKT | Circuit Description | Trip | Poles | A | | B | | Poles | Trip | Circuit Description | CKT |
| 1 | R - RECEPTACLE | 20 A | 1 | 1080 VA | 560 VA | | | 1 | 20 A | L - BREEZEWAY | 2 |
| 3 | R - RECEPTACLE | 20 A | 1 | | | 1080 VA | 490 VA | 1 | 20 A | L - BREEZEWAY | 4 |
| 5 | E - LIGHTING CONTROL PANEL "LCP4" | 20 A | 1 | 500 VA | 261 VA | | | 1 | 20 A | L - WALL PACKS | 6 |
| 7 | E - FIRE ALARM CONTROL PANEL "FACP" | 20 A | 1 | | | 500 VA | 418 VA | 1 | 20 A | L - WALL PACKS | 8 |
| 9 | H - ELECTRIC WALL HEATER "EWH-1" | 20 A | 2 | 1000 VA | 0 VA | | | 1 | 20 A | SPARE | 10 |
| 11 | -- | -- | -- | | | 1000 VA | 0 VA | 1 | 20 A | SPARE | 12 |
| 13 | E - HEAT TRACE | 20 A | 1 | 177 VA | 0 VA | | | 1 | 20 A | SPARE | 14 |
| 15 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 16 |
| 17 | SPARE | 20 A | 1 | 0 VA | 0 VA | | | 1 | 20 A | SPARE | 18 |
| 19 | SPARE | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | SPARE | 20 |
| 21 | SPARE | 20 A | 1 | 0 VA | 1200 VA | | | 2 | 20 A | L - SITE LIGHTING | 22 |
| 23 | SPARE | 20 A | 1 | | | 0 VA | 1200 VA | -- | -- | -- | 24 |
| Total Load: | | | | 4778 VA | | 4688 VA | | | | | |
| Total Amps: | | | | 40 A | | 39 A | | | | | |
| Load Classification | | Connected Load | | Demand Factor | | Estimated Demand | | Panel Totals | | | |
| H - HVAC | | 2000 VA | | 75.00% | | 1500 VA | | | | | |
| L - LIGHTING | | 1729 VA | | 100.00% | | 1729 VA | | Total Conn. Load: | | 9466 VA | |
| R - RECEPTACLE | | 2160 VA | | 100.00% | | 2160 VA | | Total Est. Demand: | | 8672 VA | |
| E - EQUIPMENT | | 1177 VA | | 75.00% | | 883 VA | | Total Conn. Current: | | 39 A | |
| | | | | | | | | Total Est. Demand Current: | | 36 A | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |