

| PANEL ML2 | | | | | | | | | | | | | | |
|---|----------------|------------------------------------|------------------|-------------------------------------|-----------------------------|----------|----------|----------|-----------|---|------------------|-----------------------------|-------|--|
| MOUNTING: SURFACE ENCLOSURE: NEMA 1 FED FROM: 100 A/3P @ MDP LOCATION: HALL 211 | | | | | SOLID NEUTRAL GROUND BUS | | | | | MAIN: 100 A MLO VOLTS: 120/208 Wye PHASE: 3 WIRE: 4 SCCR: 10 kA ISC: 7.46 kA | | | | |
| NOTES: | | | | | | | | | | | | | | |
| KEY | CKT NO. | LOAD DESCRIPTION | OCPD AMPS | P | WIRE SIZE | A | B | C | WIRE SIZE | OCPD AMPS | LOAD DESCRIPTION | CKT NO. | KEY | |
| | 1 | REC: SECOND FLOOR | 20 A | 1 | 12 12 12 | 1.08 | 0.72 | | 10 10 10 | 1 | 20 A | LTS: SECOND FLOOR | 2 | |
| | 3 | VAV POWER SUPPLY BOX: 2ND FL ELEC | 20 A | 1 | 12 12 12 | | 0.5 | 0.3 | 12 12 12 | 1 | 20 A | AHU-3M UVC: MEN'S DRESS 205 | 4 | |
| | 5 | AHU-2M UVC: MECH 203 | 20 A | 1 | 12 12 12 | | | 0.3 | 12 12 12 | 1 | 20 A | AHU-3M UVC: MEN'S DRESS 205 | 6 | |
| | 7 | AHU-2M LTS: MECH 203 | 20 A | 1 | 12 12 12 | 0.3 | 0.83 | | 12 12 12 | 1 | 20 A | GFS-1: MECH 203 | 8 | |
| | 9 | UH-1M: MECH 203 | 20 A | 1 | 12 12 12 | | 0.51 | 0.3 | 12 12 12 | 3 | 20 A | RF-2M: MECH 203 | 10 | |
| | 11 | UH-2M: ATTIC 313 | 20 A | 1 | 12 12 12 | | | 0.51 | 12 12 12 | 3 | 20 A | CP-1: MECH 203 | 12 -- | |
| | 13 | UH-2M: ATTIC 313 | 20 A | 1 | 12 12 12 | 0.51 | 0.3 | | 12 12 12 | 3 | 20 A | CP-1: MECH 203 | 14 -- | |
| | 15 | WH-1M: MECH 203 | 20 A | 1 | 12 12 12 | | 0.51 | 0.51 | 12 12 12 | 1 | 20 A | CP-1: MECH 203 | 16 | |
| | 17 | CHILLED WATER SYSTEM TCP: MECH 203 | 20 A | 1 | 12 12 12 | | | 0.2 | 12 12 12 | 1 | 20 A | AHU-3M TCP: MEN'S DRESS 205 | 18 | |
| | 19 | AHU-2M TCP: MECH 203 | 20 A | 1 | 12 12 12 | 0.2 | 0 | | 12 12 12 | 1 | 20 A | SPARE | 20 -- | |
| | 21 | SPARE | 20 A | 1 | -- -- -- | | 0 | 0 | -- -- -- | 1 | 20 A | SPARE | 22 -- | |
| | 23 | SPARE | 20 A | 1 | -- -- -- | | | 0 | -- -- -- | 1 | 20 A | SPARE | 24 -- | |
| | 25 | SPARE | 20 A | 1 | -- -- -- | 0 | 0 | | -- -- -- | 1 | 20 A | SPARE | 26 -- | |
| | 27 | SPARE | 20 A | 1 | -- -- -- | | 0 | 0 | -- -- -- | 1 | 20 A | SPARE | 28 -- | |
| | 29 | SPARE | 20 A | 1 | -- -- -- | | | 0 | -- -- -- | 1 | 20 A | SPARE | 30 -- | |
| | 31 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | 1 | -- | SPACE | 32 -- | |
| | 33 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | 1 | -- | SPACE | 34 -- | |
| | 35 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | 1 | -- | SPACE | 36 -- | |
| | 37 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | 1 | -- | SPACE | 38 -- | |
| | 39 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | 1 | -- | SPACE | 40 -- | |
| | 41 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | 1 | -- | SPACE | 42 -- | |
| Total Load: | | | | | | 3.94 kVA | 2.63 kVA | 1.81 kVA | | | | | | |
| Total Amps: | | | | | | 33.92 | 22.97 | 15.08 | | | | | | |
| LOAD SUMMARY | | | | | | | | | | | | | | |
| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | TOTALS* | | | | | | | | | | |
| Lighting | 0.724 kVA | 100.00% | 0.724 kVA | | | | | | | | | | | |
| Power | 6.58 kVA | 100.00% | 6.58 kVA | TOTAL CONNECTED LOAD: | 8.38 kVA | | | | | | | | | |
| Receptacles | 1.08 kVA | 100.00% | 1.08 kVA | TOTAL ESTIMATED DEMAND LOAD: | 8.384 kVA | | | | | | | | | |
| | | | | TOTAL CONNECTED AMPS: | 23.27 A | | | | | | | | | |
| | | | | TOTAL ESTIMATED DEMAND AMPS: | 23.3 A | | | | | | | | | |
| *TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL. | | | | | | | | | | | | | | |
| CIRCUIT KEY NOTES: | | | | | | | | | | | | | | |

| PANEL ML3 | | | | | | | | | | | | | | |
|---|----------------|--|------------------|-------------------------------------|-----------------------------|-----------|-----------|----------|-----------|---|------------------|--------------------------|-------|-------|
| MOUNTING: SURFACE ENCLOSURE: NEMA 1 FED FROM: 100 A/3P @ MDP LOCATION: HALL 302 | | | | | SOLID NEUTRAL GROUND BUS | | | | | MAIN: 100 A MLO VOLTS: 120/208 Wye PHASE: 3 WIRE: 4 SCCR: 10 kA ISC: 6.77 kA | | | | |
| NOTES: | | | | | | | | | | | | | | |
| KEY | CKT NO. | LOAD DESCRIPTION | OCPD AMPS | P | WIRE SIZE | A | B | C | WIRE SIZE | OCPD AMPS | LOAD DESCRIPTION | CKT NO. | KEY | |
| | 1 | REC: RMS 302, 305, 306, 309, 311, ROOF | 20 A | 1 | 12 12 12 | 1.26 | 0.55 | | 12 12 12 | 1 | 20 A | LTS: THIRD FLOOR | 2 | |
| | 3 | REC: RMS 300, 304 | 20 A | 1 | 12 12 12 | | 1.08 | 0.92 | 12 12 12 | 1 | 20 A | LTS: THIRD FLOOR | 4 | |
| | 5 | REC: ROYCROFT DEN 300 | 20 A | 1 | 12 12 12 | | | 0.9 | 12 12 12 | 1 | 20 A | LTS: THIRD FLOOR | 6 | |
| | 7 | FCU-3-7M: WOMEN LOUNGE 305 | 20 A | 1 | 12 12 12 | 0.83 | 1.66 | | 10 10 10 | 1 | 25 A | FCU-3-5M: MEN LOUNGE 307 | 8 | |
| | 9 | FCU-3-8M: WOMEN LOUNGE 305 | 20 A | 1 | 12 12 12 | | 0.83 | 0.83 | 12 12 12 | 1 | 20 A | FCU-3-4M: MEN LOUNGE 307 | 10 | |
| | 11 | FCU-3-9M: WOMEN LOUNGE 304 | 20 A | 1 | 12 12 12 | | | 0.83 | 12 12 12 | 1 | 20 A | FCU-3-3M: MEN LOUNGE 306 | 12 | |
| | 13 | FCU-3-10M: WOMEN LOUNGE 304 | 20 A | 1 | 12 12 12 | 0.83 | 0.83 | | 12 12 12 | 1 | 20 A | FCU-3-2M: MEN LOUNGE 306 | 14 | |
| | 15 | FCU-3-11M: WOMEN LOUNGE 304 | 20 A | 1 | 12 12 12 | | 0.83 | 0.67 | 12 12 12 | 1 | 20 A | FCU-3-1M: MEN LOUNGE 306 | 16 | |
| | 17 | FCU-3-6M: HALL 302 | 20 A | 1 | 12 12 12 | | | 0.67 | 5.64 | 8 4 4 3 | 70 A | HP-1M: ROOF | 18 | |
| | 19 | EF-1M: ROOF | 20 A | 1 | 12 12 12 | 0.67 | 5.64 | | -- -- -- | -- -- -- | -- -- -- | -- -- -- | 20 -- | |
| | 21 | LTS: EXTERIOR LIGHTS | 20 A | 1 | 10 10 10 | | 0.35 | 5.64 | -- -- -- | -- -- -- | -- -- -- | -- -- -- | 22 -- | |
| | 23 | SPARE | 20 A | 1 | -- -- -- | | | 0 | -- -- -- | -- -- -- | 1 | 20 A | SPARE | 24 -- |
| | 25 | SPARE | 20 A | 1 | -- -- -- | 0 | 0 | | -- -- -- | -- -- -- | 1 | 20 A | SPARE | 26 -- |
| | 27 | SPARE | 20 A | 1 | -- -- -- | | 0 | 0 | -- -- -- | -- -- -- | 1 | 20 A | SPARE | 28 -- |
| | 29 | SPARE | 20 A | 1 | -- -- -- | | | 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 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | -- -- -- | 1 | -- | SPACE | 36 -- |
| | 37 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | -- -- -- | 1 | -- | SPACE | 38 -- |
| | 39 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | -- -- -- | 1 | -- | SPACE | 40 -- |
| | 41 | SPACE | -- | 1 | -- -- -- | | | | -- -- -- | -- -- -- | 1 | -- | SPACE | 42 -- |
| Total Load: | | | | | | 12.28 kVA | 11.15 kVA | 9.79 kVA | | | | | | |
| Total Amps: | | | | | | 104.05 | 94.63 | 81.59 | | | | | | |
| LOAD SUMMARY | | | | | | | | | | | | | | |
| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | TOTALS* | | | | | | | | | | |
| Lighting | 2.733 kVA | 100.00% | 2.733 kVA | | | | | | | | | | | |
| Power | 27.242 kVA | 100.00% | 27.242 kVA | TOTAL CONNECTED LOAD: | 33.22 kVA | | | | | | | | | |
| Receptacles | 3.24 kVA | 100.00% | 3.24 kVA | TOTAL ESTIMATED DEMAND LOAD: | 33.215 kVA | | | | | | | | | |
| | | | | TOTAL CONNECTED AMPS: | 92.20 A | | | | | | | | | |
| | | | | TOTAL ESTIMATED DEMAND AMPS: | 92.2 A | | | | | | | | | |
| *TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL. | | | | | | | | | | | | | | |
| CIRCUIT KEY NOTES: | | | | | | | | | | | | | | |

10/27/2023, 1:13:58 PM



10.27.2023

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| A/E FIRMS PRIME/ARCH: STRATA ARCHITECTURE 1703 OAK STREET, SUITE 100 KANSAS CITY, MO T: 816.449.0900 | DESIGNED: CADD: TECH. REVIEW: DATE: 10.27.2023 | SUB SHEET NO. 01 EP6.3 | TITLE OF SHEET MAURICE BATHHOUSE ELECTRICAL SCHEDULES REHABILITATE BATHHOUSES HOT SPRINGS NATIONAL PARK | DRAWING NO. 626 180065 PMIS/PKG NO. 318674 SHEET 190 OF 286 |
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