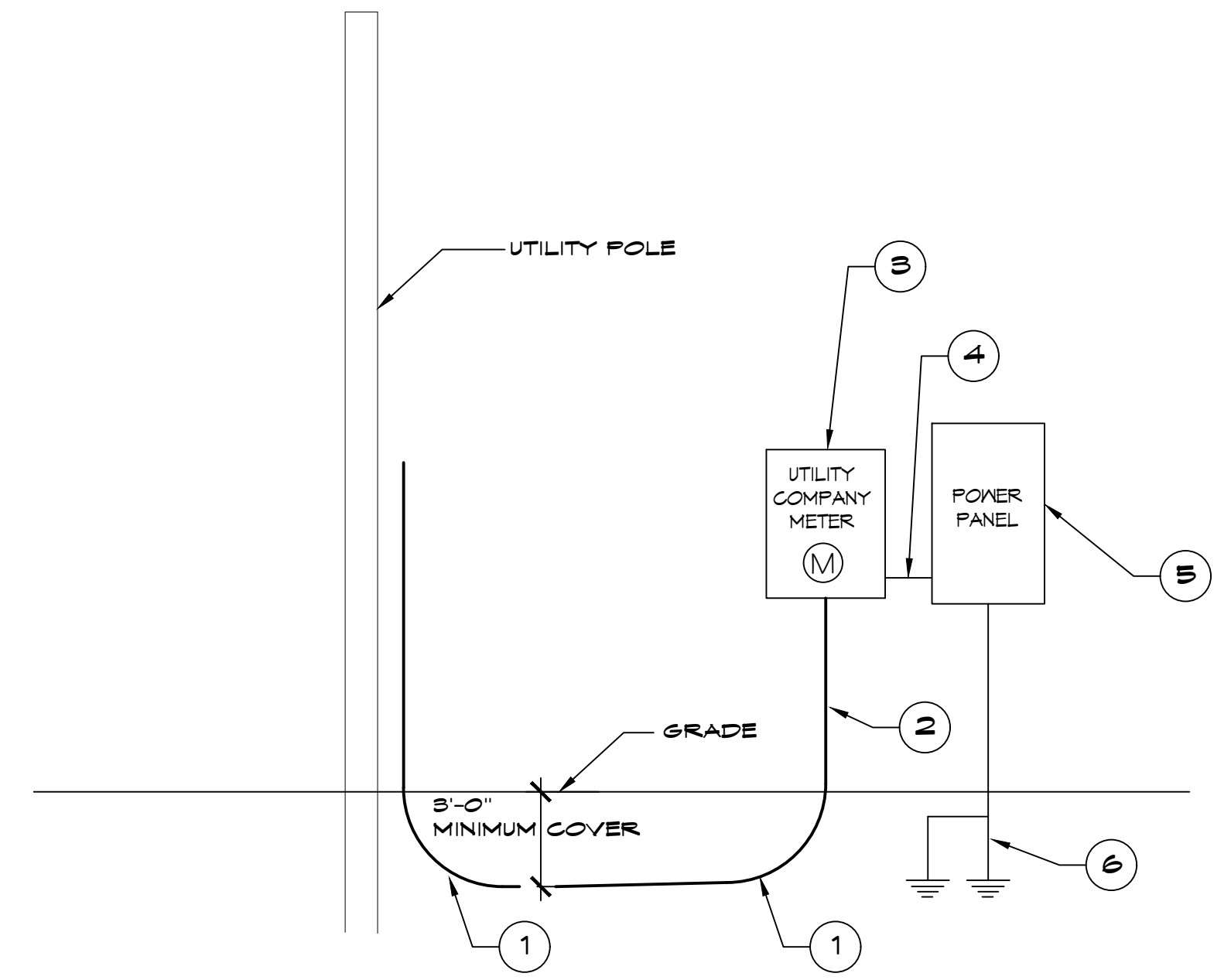


FILE NAME: J:\PROJECTS\2023\2423 - SNF Polycheme, Biloxi Bay, FL\2423\2423-01-Panel Schedules and One Line.docx PLOT DATE: 08/21/2023 10:21:32 AM



- ONE LINE NOTES:**
- 36" LONG SNEEP ELBOW
 - PROVIDE TWO (2) 4" SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE.
 - 240/120V 1 ϕ 200 AMP METER PAN.
 - 3-4/0 THHN, 1-#2 GND, 2 1/2" C
 - 240/120V 1 ϕ 200A PANELBOARD WITH MAIN BREAKER.
 - 2-3/4" x 10' CU CLAD GND ROD, #2 CU GND WIRE. PROTECT IN PVC PIPE. CONNECT TO METAL BLDG, COLD WATER SUPPLY & GAS LINE. CAD WELD ALL CONNECTIONS.

RISER DIAGRAM
SCALE: NTS

PANEL SCHEDULE

| PANEL: FP1 | | INTERRUPTING RATING: 10 KAIC | | VOLTAGE: 240/120V, 200A, 1 ϕ , 3W N/MAIN CIRCUIT BREAKER | | | | | | | |
|--------------------------------|----------------|-------------------------------------|----------|---|----------|----------|-----------|-----------------|-----------------------------|----------------|--------|
| LOCATION: EQUIPMENT ROOM | | | | ENCLOSURE: BOTTOM FEED, FLUSH MOUNTED W/ EQUIPMENT GND | | | | | | | |
| FEEDER SOURCE: UTILITY | | | | BAR SQUARE-D TYPE GDB OR EQUAL | | | | | | | |
| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION | BREAKER | LOAD (VA) | A ϕ | B ϕ | LOAD (VA) | BREAKER | LOAD DESCRIPTION | THHN WIRE SIZE | CKT NO |
| | | LOCATION | AMP POLE | | | | | | LOCATION | | |
| 1 | #12 | GOLF CART RECEPTACLE | 20 1 | 120 | | | 250 | 1 20 | LIGHTS, GOLF CART PARKING | #12 | 2 |
| 3 | #12 | GOLF CART RECEPTACLE | 20 1 | 120 | | | 100 | 1 20 | LIGHTS, MEN'S ROOM | #12 | 4 |
| 5 | #12 | GOLF CART RECEPTACLE | 20 1 | 120 | | | 260 | 1 20 | LIGHTS, WOMEN'S ROOM | #12 | 6 |
| 7 | #12 | GOLF CART RECEPTACLE | 20 1 | 120 | | | 150 | 1 20 | EXHAUST FANS | #12 | 8 |
| 9 | #12 | RECEPTACLES, OUTSIDE AND MEN'S ROOM | 20 1 | 360 | | | | 1 20 | SPARE | | 10 |
| 11 | #12 | RECEPTACLES, MEN'S ROOM SINKS | 20 1 | 360 | | | | 1 20 | SPARE | | 12 |
| 13 | #12 | RECEPTACLE, WOMEN'S ROOM SINKS | 20 1 | 360 | | | 400 | 1 20 | LIGHTS, EXTERIOR | #12 | 14 |
| 15 | #12 | RECEPTACLES, THIS ROOM AND OUTSIDE | 20 1 | 360 | | | | 1 20 | SPARE | | 16 |
| 17 | | SPARE | 20 1 | | | | | 1 20 | SPARE | | 18 |
| 19 | #10 | 50 GALLON WATER HEATER 1 MEN'S ROOM | 30 2 | 2500 | | | | 1 20 | SPARE | | 20 |
| 21 | | | | 2500 | | | | 1 20 | SPARE | | 22 |
| 23 | #10 | 50 GALLON WATER HEATER 2 MEN'S ROOM | 30 2 | 2500 | | | | 1 20 | SPARE | | 24 |
| 25 | | | | 2500 | | | | 1 20 | SPARE | | 26 |
| 27 | | SPARE | 20 1 | | | | | 1 20 | SPARE | | 28 |
| 29 | | SPARE | 20 1 | | | | | 1 20 | SPARE | | 30 |
| 31 | #10 | 50 GALLON WATER HEATER WOMEN'S ROOM | 30 2 | 2500 | | | 100 | 2 20 | SEWER GRINDER PUMP | #12 | 32 |
| 33 | | | | 2500 | | | 100 | | | | |
| 35 | #8 | AHU WOMEN'S ROOM | 40 2 | 2500 | | | 1000 | 2 20 | WOMEN'S ROOM CONDENSER UNIT | #12 | 36 |
| 37 | | | | 2500 | | | 1000 | | | | |
| 39 | #6 | AHU MEN'S ROOM | 60 2 | 4000 | | | 2500 | 2 30 | MEN'S ROOM CONDENSER UNIT | #10 | 40 |
| 41 | | | | 4000 | | | 2500 | | | | |
| | | | | TOTAL CONNECTED LOAD (VA) = 42,480 | | | | GROUND BUS | | | |
| SOLID NEUTRAL NEUTRAL WIRE (N) | | | | A ϕ = 21,210 | | | | GROUND WIRE (G) | | | |
| | | | | B ϕ = 21,210 | | | | | | | |

| ELECTRICAL LOAD SUMMARY | | | | | |
|---------------------------------|------------------------------|--|--------|-------------|-------------|
| POWER COMPANY: | GULF COAST ELECTRIC | | | | |
| PROJECT NAME: | SNF POLYCHEME | | | | |
| PROJECT ADDRESS: | 3080 PORT & HARBOR DE. RD. D | | | | |
| CITY TOWN: | BAY ST. LOUIS, MS. 39520 | | | | |
| INTENDED USER: | CHEM. PLANT | | | | |
| REQUIRED SERVICE: | 208/120 VOLTS | 1 PHASE | 3 WIRE | | |
| SERV ENTR SIZE: | 200 AMPS | | | | |
| HVAC TONNAGE: | 7 TONS | | | | |
| LARGEST MOTOR: | HP | NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE | | | |
| TOTAL BUILDING SQUARE FOOTAGE: | S.F. | | | | |
| INDIVIDUAL UNIT SQUARE FOOTAGE: | S.F. | | | | |
| INDIVIDUAL UNIT DESIGNATION: | (MULT OCCUPANCY) | | | | |
| LOAD SOURCE | 1 ϕ KVA | 3 ϕ KVA | OR | 1 ϕ KW | 3 ϕ KW |
| BUILDING LIGHTING | | | | 1.4 | |
| ELECTRIC WATER HEATING | | | | 15.0 | |
| HEAT PUMPS | | | | 7.0 | |
| SUPPLEMENTAL HEAT SYSTEMS | | | | 13.0 | |
| AIR COND CONDENSING UNITS | | | | 0.0 | |
| ELEC HEATING (PRIMARY) AHU'S | | | | 0.0 | |
| COOKING | | | | N/A | |
| REFRIGERATION | | | | N/A | |
| RECEPTACLES (STANDARD) | | | | 4.3 | |
| RECEPTACLES (COMPUTER) | | | | N/A | |
| TOTAL MOTORS (EXCLUDE HVAC) | | | | N/A | |
| EXTERIOR LIGHTING | | | | 0.4 | |
| MISCELLANEOUS - CEILING FANS | | | | | |
| OTHER | | | | 1.4 | |
| TOTAL CONNECTED LOAD | 0.0 | 0.0 | | 42.5 | 0.0 |

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5632

| REVISIONS | DATE | DESCRIPTION |
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NEW CHANGE HOUSE
SNF POLYCHEME

3080 PORT & HARBOR DR. RD. D
BAY ST. LOUIS, MS. 39520
JOB No: 2412 DATE: 05-25-2023
DRAWN BY: DD/JTL CHECKED BY: BAY

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, SECOND FLOOR

DRAWING NUMBER:
E103