

PANEL: MDP-1
 LOCATION: FIRST BAPTIST CHURCH REAR VESTIBULE 110
 FEEDER SOURCE: UTILITY CO.

VOLTAGE: 120/208V, 400A, 3Ø, 4W, W/ MAIN BRKR
 ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
 BOLT-ON BRK 22000 AIC

| CKT. NO. | THHN WIRE SIZE | LOAD DESCRIPTION | | BREAKER | | LOAD (VA) | AØ BØ CØ | | | LOAD (VA) | BREAKER | | LOAD DESCRIPTION | | THHN WIRE SIZE | CKT. NO. |
|----------|----------------|------------------|--|---------|------|-----------|----------|-----|----------|-----------|---------|----|---------------------------------|-----|----------------|----------|
| | | LOCATION | | AMP | POLE | | POLE | AMP | LOCATION | | | | | | | |
| 1 | #2 | LP-1 | | 225 | 3 | 1073Ø | | | | 3600 | 2 | 30 | WATER HEATER 20 GAL | #Ø | 2 | |
| 3 | #2 | LP-1 | | | | 1064Ø | | | | 3600 | | | | #Ø | 4 | |
| 5 | #2 | LP-1 | | | | 1304Ø | | | | 1400 | 1 | 20 | SPARE | #12 | 6 | |
| 7 | #6 | AHU #1 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #1 7 1/2 TONS | #Ø | 8 | |
| 9 | #6 | AHU #2 15 KW | | 50 | 3 | 5404 | | | | 4144 | 3 | 50 | A/C COMPRESSOR #2 7 1/2 TONS | #Ø | 10 | |
| 11 | #6 | AHU #3 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #3 7 1/2 TONS | #Ø | 12 | |
| 13 | #6 | AHU #4 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #4 7 1/2 TONS | #Ø | 14 | |
| 15 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4144 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 16 | |
| 17 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 18 | |
| 19 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 20 | |
| 21 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4144 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 22 | |
| 23 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 24 | |
| 25 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 26 | |
| 27 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4144 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 28 | |
| 29 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 30 | |
| 31 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 32 | |
| 33 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4144 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 34 | |
| 35 | #6 | AHU #5 15 KW | | 50 | 3 | 5404 | | | | 4143 | 3 | 50 | A/C COMPRESSOR #5 7 1/2 TONS | #Ø | 36 | |
| 37 | #12 | SPARE | | 20 | 1 | 1400 | | | | 1400 | 1 | 20 | SPARE | #12 | 38 | |
| 39 | #12 | SPARE | | 20 | 1 | 1400 | | | | - | - | - | SPARE | - | 40 | |
| 41 | - | SPACE | | - | - | - | | | | - | - | - | SPACE | - | 42 | |

TOTAL CONNECTED LOAD (VA) = 190036
 AØ = 64473 BØ = 633ØØ CØ = 62175

SOLID NEUTRAL NEUTRAL WIRE (W)
 GROUND BUS GROUND WIRE (G)

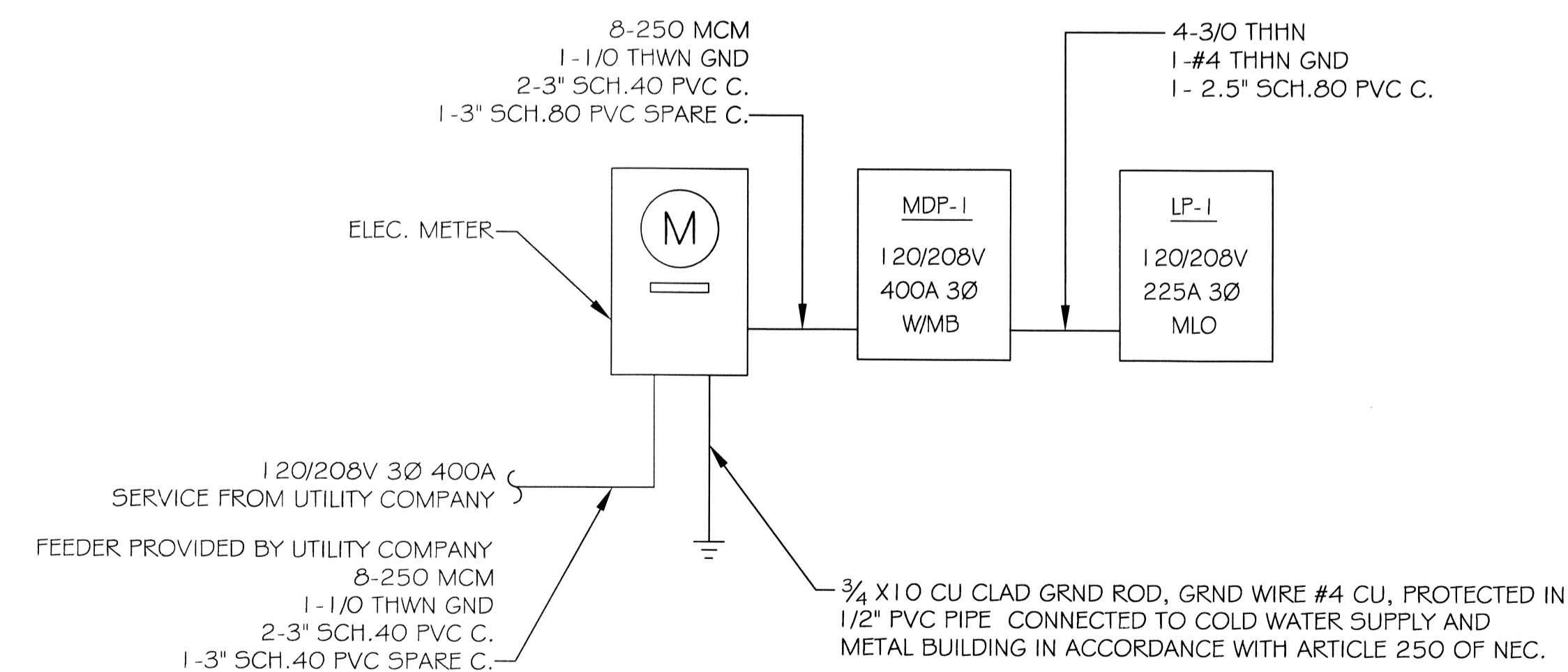
PANEL: LP-1
 LOCATION: FIRST BAPTIST CHURCH REAR VESTIBULE 110
 FEEDER SOURCE: MDP-1

VOLTAGE: 208/120V, 225A 3Ø, 4W MLO
 ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
 BOLT-ON BRK 22000 AIC

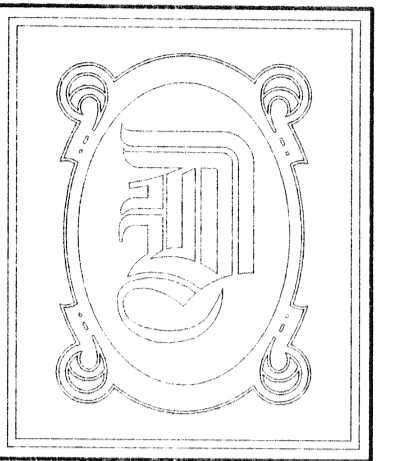
| CKT. NO. | THHN WIRE SIZE | LOAD DESCRIPTION | | BREAKER | | LOAD (VA) | AØ BØ CØ | | | LOAD (VA) | BREAKER | | LOAD DESCRIPTION | | THHN WIRE SIZE | CKT. NO. |
|----------|----------------|--|--|---------|------|-----------|----------|-----|----------|-----------|---------|----|---|-----|----------------|----------|
| | | LOCATION | | AMP | POLE | | POLE | AMP | LOCATION | | | | | | | |
| 1 | #12 | FOYER 10Ø RECEPTACLES | | 20 | 1 | 960 | | | | 960 | 1 | 20 | WOMENS 101, SOUND ROOMS 102 # 103, # HVAC DECK RECEPTACLES | #12 | 2 | |
| 3 | #12 | MENS 104, JANITOR 105, PRIVACY ROOM 106, # HVAC DECK RECEPTACLES | | 20 | 1 | 800 | | | | 960 | 1 | 20 | SANCTUARY 107 RECEPTACLES | #12 | 4 | |
| 5 | #12 | SANCTUARY 107 RECEPTACLES | | 20 | 1 | 960 | | | | 960 | 1 | 20 | SANCTUARY 107 RECEPTACLES | #12 | 6 | |
| 7 | #12 | PULPIT FLOOR RECEPTACLE | | 20 | 1 | 160 | | | | 1120 | 1 | 20 | VESTIBULES 110, 112, # 113 AND PULPIT PLATFORM REAR WALL RECEPTACLES | #12 | 8 | |
| 9 | #12 | VESTIBULES 110 # 113, CHANGING ROOMS 111 # 114, # HVAC DECK RECEPTACLES | | 20 | 1 | 960 | | | | 160 | 1 | 20 | DEDICATED BAPTISTRY CIRCUIT | #12 | 10 | |
| 11 | #12 | WOMENS RESTROOM 101 # EXTERIOR WEATHER-PROOF GFI RECEPTACLES | | 20 | 1 | 800 | | | | 800 | 1 | 20 | MENS RESTROOM 104 # EXTERIOR WEATHER-PROOF GFI RECEPTACLES | #12 | 12 | |
| 13 | #12 | WOMENS 101, SOUND VESTIBULE 102, SOUND BOOTH 103, # HVAC DECK LIGHTS | | 20 | 1 | Ø44 | | | | 584 | 1 | 20 | FOYER 10Ø LIGHTS | #12 | 14 | |
| 15 | #12 | COVERED ENTRY 001 LIGHTS | | 20 | 1 | 720 | | | | 764 | 1 | 20 | MENS 104, JANITOR 105, PRIVACY ROOM 106, # HVAC DECK LIGHTS | #12 | 16 | |
| 17 | #12 | SANCTUARY 107 LIGHTS | | 20 | 1 | 720 | | | | 1440 | 1 | 20 | SANCTUARY 107 LIGHTS | #12 | 18 | |
| 19 | #12 | STAGE TRACK LIGHTS | | 20 | 1 | 1200 | | | | 720 | 1 | 20 | SANCTUARY 107 LIGHTS | #12 | 20 | |
| 21 | #12 | SANCTUARY 107 LIGHTS | | 20 | 1 | 1440 | | | | 720 | 1 | 20 | PULPIT PLATFORM 108 LIGHTS | #12 | 22 | |
| 23 | #12 | SANCTUARY 107 LIGHTS | | 20 | 1 | 1440 | | | | 720 | 1 | 20 | PULPIT PLATFORM 108 LIGHTS | #12 | 24 | |
| 25 | #12 | PULPIT PLATFORM 108 LIGHTS | | 20 | 1 | 720 | | | | 630 | 1 | 20 | BAPTISTRY 109 AREA, VESTIBULE 110, # VESTIBULE 113 CAN LIGHTS | #12 | 26 | |
| 27 | #12 | VESTIBULES 110, 112, # 113, AND CHANGING ROOMS 111 # 114 LIGHTS | | 20 | 1 | 1024 | | | | 300 | 1 | 20 | EXTERIOR WALL-MOUNTED FIXTURE LIGHTS AT DOOR, EXITS/ENTRIES | #12 | 28 | |
| 29 | #12 | STAGE TRACK LIGHTS | | 20 | 1 | 1200 | | | | 1200 | 1 | 20 | STAGE TRACK LIGHTS | #12 | 30 | |
| 31 | #12 | SANCTUARY 107 LIGHTS | | 20 | 1 | 1440 | | | | 1400 | 1 | 20 | SPARE | #12 | 32 | |
| 33 | #12 | SPARE | | 20 | 1 | 1400 | | | | 1400 | 1 | 20 | SPARE | #12 | 34 | |
| 35 | #12 | SPARE | | 20 | 1 | 1400 | | | | 1400 | 1 | 20 | SPARE | #12 | 36 | |
| 37 | - | SPACE | | - | - | - | | | | - | - | - | SPACE | - | 38 | |
| 39 | - | SPACE | | - | - | - | | | | - | - | - | SPACE | - | 40 | |
| 41 | - | SPACE | | - | - | - | | | | - | - | - | SPACE | - | 42 | |

TOTAL CONNECTED LOAD (VA) = 23,692
 AØ = 1073Ø BØ = 1064Ø CØ = 13040

SOLID NEUTRAL NEUTRAL WIRE (W)
 GROUND BUS GROUND WIRE (G)



ONE LINE DIAGRAM
 NTS



DAMMON
 ENGINEERING, INC.

CHIEF ENGINEER
 EMMETT
 DAMMON, P.E.

CHIEF ARCHITECT
 ROBERT
 WILTSE

554 OLD SPANISH TRAIL
 SUDELL, LA. 70458
 OFFICE: 985-649-5832
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 DAMMONENG@BELL.SOUTH.NET

ARCHITECTURE
 ENGINEERING
 STUDIES
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 EXPERT WITNESS

NEW
 CHURCH

FIRST BAPTIST
 CHURCH
 64541 HWY 308 I
 PEARL RIVER, LA
 70452

ELECTRICAL
 SCHEDULES,
 & ONE-LINE
 DIAGRAM

Robert Wiltse

REV:

SCALE: AS NOTED

JOB#: 2108

DATE: 04-26-11

SHEET 13

E-3

OF 14

MAY 09 2011
 #397460

[Signature]