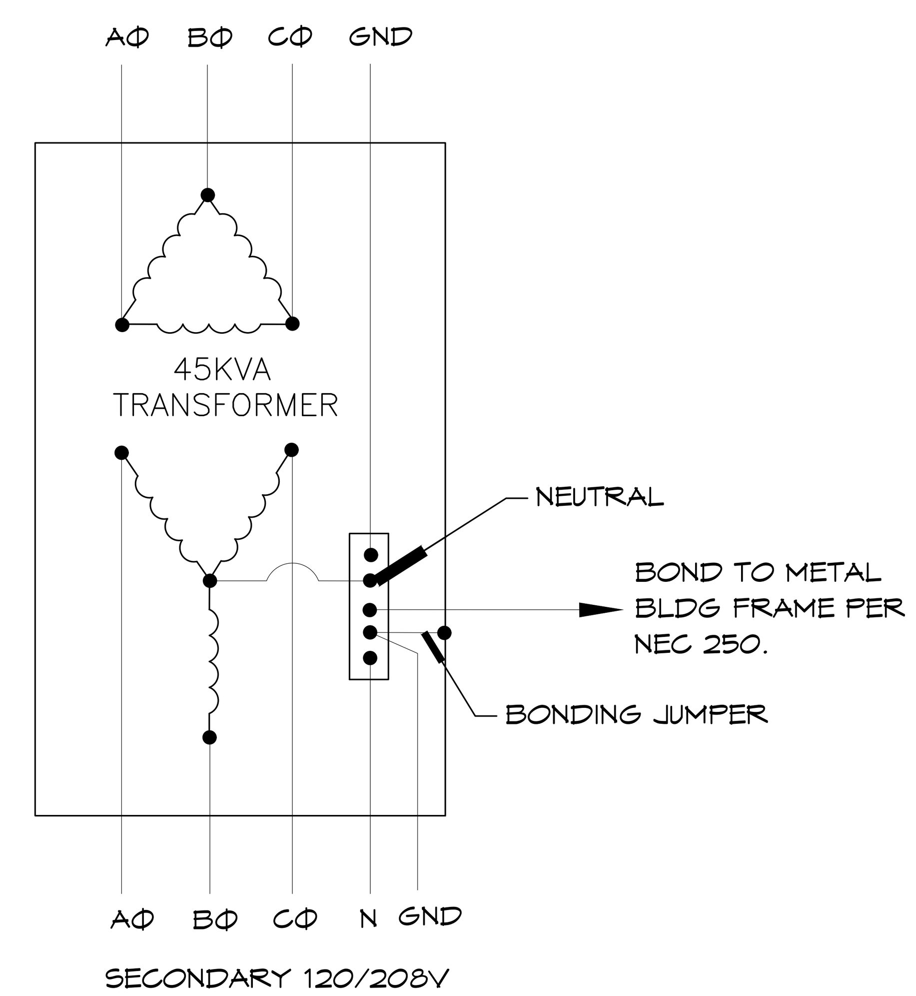
## PANEL SCHEDULE

PANEL: MDP
LOCATION: LOCATION
FEEDER SOURCE: UTILITY
INTERRUPTING RATING: 35 KAIC
VOLTAGE: 480/277V, 400A, 3Φ, 4W W/MAIN CKT BREAKER
ENCLOSURE: FLUSH MOUNTED WITH EQUIPMENT GND BAR SQUARE-D I-LINE OR EQUAL

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION / LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION / LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 10,808 | 12750 | | | | | 2 |
| 3 | #6 | AHU-1A, 20 KW HEAT | 50 | 3 | 8740 | 12750 | 3 | 60 | HP-1A | #6 | 4 |
| 5 | | | | | 8740 | 12750 | | | | | 6 |
| 7 | | | | | 8740 | 12750 | | | | | 8 |
| 9 | #6 | AHU-1B, 20 KW HEAT | 50 | 3 | 8740 | 12750 | 3 | 60 | HP-1B | #6 | 10 |
| 11 | | | | | 8740 | 12750 | | | | | 12 |
| 13 | | | | | 4250 | 5820 | | | | | 14 |
| 15 | #10 | AHU-2, 20 KW HEAT | 30 | 3 | 4250 | 5820 | 3 | 30 | HP-2 | #10 | 16 |
| 17 | | | | | 4250 | 5820 | | | | | 18 |
| 19 | | | | | 5910 | 5820 | | | | | 20 |
| 21 | #8 | AHU-3, 15 KW HEAT | 40 | 3 | 5910 | 5820 | 3 | 30 | HP-3 | #10 | 22 |
| 23 | | | | | 5910 | 5820 | | | | | 24 |
| 25 | | | | | 5910 | 5820 | | | | | 26 |
| 27 | #8 | AHU-4, 15 KW HEAT | 40 | 3 | 5910 | 5820 | 3 | 30 | HP-4 | #10 | 28 |
| 29 | | | | | 5910 | 5820 | | | | | 30 |
| 31 | | | | | 13,040 | 4155 | 1 | 20 | AUDITORIUM LIGHTS AND STAGE LIGHTS | #12 | 32 |
| 33 | #8 | TRANSFORMER T-1, 30KVA, FPR PANEL PP-1 | 70 | 3 | 12,940 | 4000 | 1 | 20 | EXIT LIGHTS, NIGHT LIGHTS, EMERGENCY LIGHTS | #12 | 34 |
| 35 | | | | | 12,060 | 1800 | 1 | 20 | EAST WING, AUDITORIUM, BATHROOMS AND FOYER LIGHTS | #12 | 36 |
| 37 | | | | | 0 | 1730 | 1 | 20 | WEST WING, ALL LIGHTS | #12 | 38 |
| 39 | | SURGE SUPPRESOR | 20 | 3 | 0 | 4200 | 2 | 20 | PARKING LOT LIGHTS | #12 | 40 |
| 41 | | | | | 0 | 4200 | | | | | 42 |
| 43 | | PREPARED SPACE | | | | 360 | 1 | 20 | LIGHTING, EXTERIOR WALL PACKS | #12 | 44 |
| 45 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 46 |
| 47 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 48 |

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 288,115
AΦ = 95,795 | BΦ = 97,750 | BΦ = 94,570
GROUND BUS GROUND WIRE (G)




## TRANSFORMER NOTES:

TRANSFORMER SHALL BE A 480V - 208Y/120V KVA (AS SCHEDULED) DRY TYPE, WITH NEMA 3R ENCLOSURE.

## PANEL SCHEDULE

PANEL: PP1
LOCATION: WIRE CLOSET
FEEDER SOURCE: UTILITY
INTERRUPTING RATING: 10 KAIC
VOLTAGE: 208/120V, 125A, 3Φ, 4W, W/MAIN CKT BREAKER
ENCLOSURE: FLUSH MOUNTED WITH EQUIPMENT GND BAR SQUARE-D QOB OR EQUAL

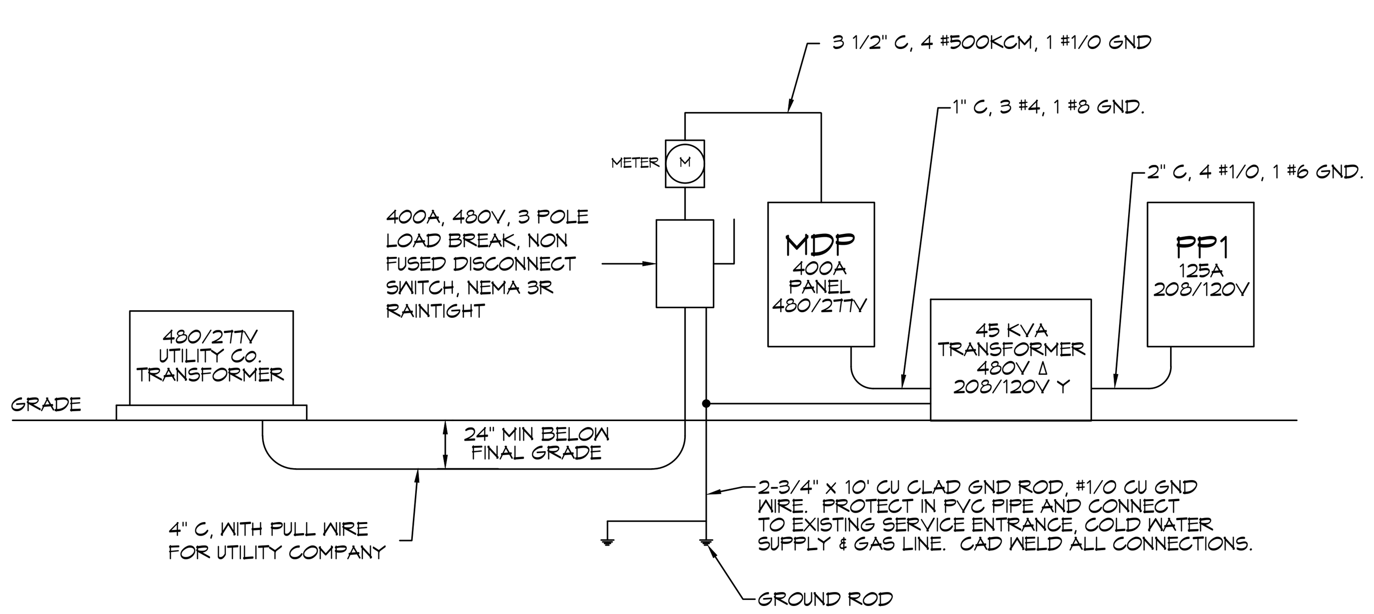
| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION / LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION / LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | #6 | AHU-5, 6 KW HEAT | 45 | 2 | 3140 | 2600 | 2 | 30 | HP-5 | #10 | 2 |
| 3 | | | | | 3140 | 2600 | | | | | 4 |
| 5 | #12 | RECEPTACLES, EAST WING | 20 | 1 | 1260 | 1260 | 1 | 20 | RECEPTACLES, EAST WING | #12 | 6 |
| 7 | #12 | RECEPTACLES, AUDITORIUM | 20 | 1 | 1260 | 1260 | 1 | 20 | RECEPTACLES, FOYER | #12 | 8 |
| 9 | #12 | RECEPTACLES, BACK STAGE AUDITORIUM | 20 | 1 | 1440 | 1080 | 1 | 20 | RECEPTACLES, ON STAGE, AUDITORIUM | #12 | 10 |
| 11 | #12 | RECEPTACLES, WEST WING | 20 | 1 | 1080 | 1260 | 1 | 20 | RECEPTACLES, WEST WING | #12 | 12 |
| 13 | #12 | FIRE ALARM EQUIPMENT | 20 | 1 | 180 | | 1 | 20 | SPARE | | 14 |
| 15 | #12 | FIRE ALARM EQUIPMENT | 20 | 1 | 180 | | 1 | 20 | SPARE | | 16 |
| 17 | #12 | RECEPTACLES, WEST WING | 20 | 1 | 1260 | 1440 | 1 | 20 | RECEPTACLES, WEST WING | #12 | 18 |
| 19 | #12 | LIGHTING CONTACTOR | 20 | 1 | 100 | 2250 | 2 | 30 | HW-3 | #10 | 20 |
| 21 | #10 | HW-1 | 30 | 2 | 2250 | 2250 | | | | | 22 |
| 23 | | | | | 2250 | 2250 | 2 | 30 | HW-2 | #10 | 24 |
| 25 | | PREPARED SPACE | | | | 2250 | | | | | 26 |
| 27 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 28 |
| 29 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 30 |
| 31 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 32 |
| 33 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 34 |
| 35 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 36 |
| 37 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 38 |
| 39 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 40 |
| 41 | | PREPARED SPACE | | | | | | | PREPARED SPACE | | 42 |

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 38,040
AΦ = 13,040 | BΦ = 12,940 | CΦ = 12,060
GROUND BUS GROUND WIRE (G)

## ELECTRICAL LOAD SUMMARY

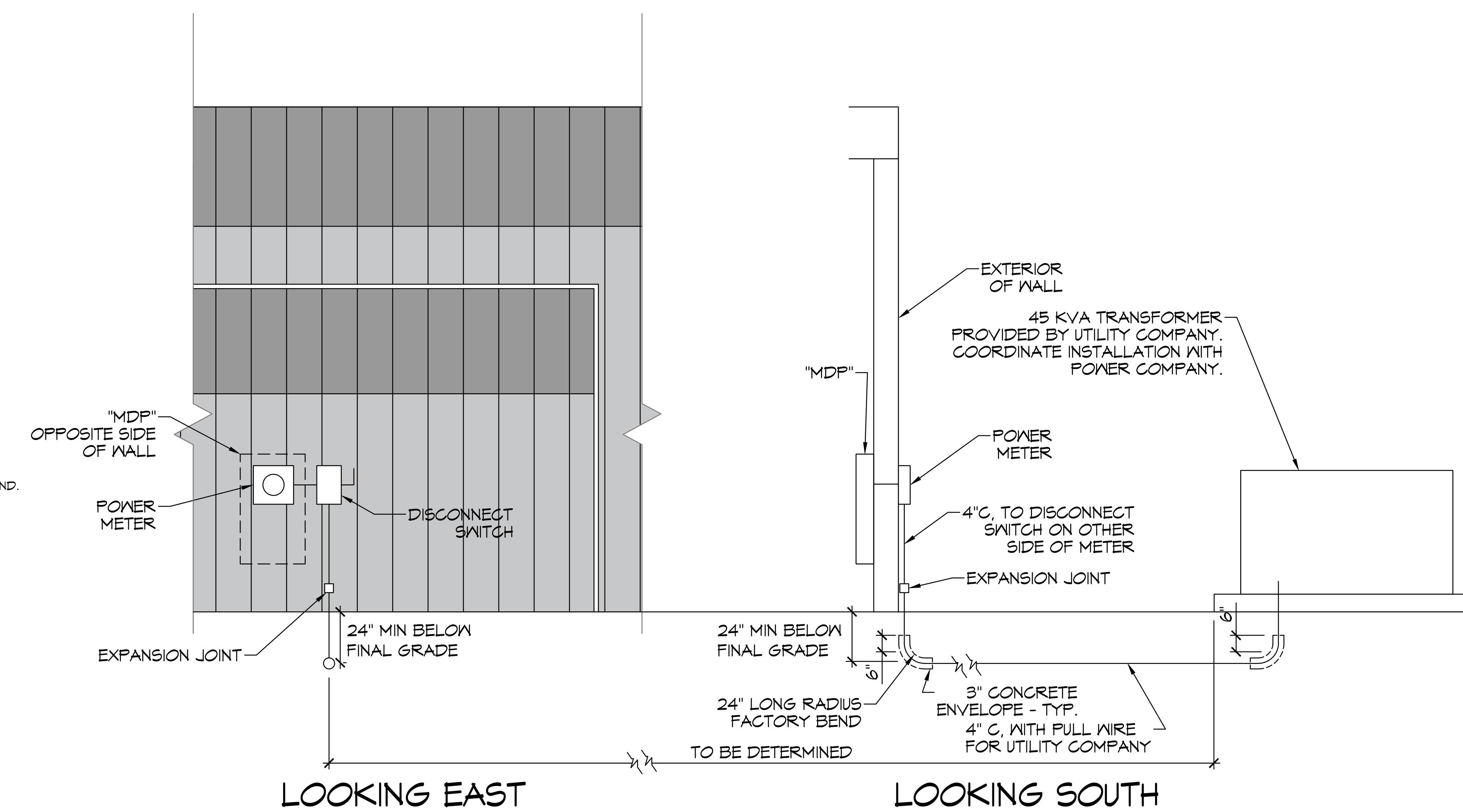
| | | | | | | |
|---|---|---|---|---|---|---|
| POWER COMPANY: | WASHINGTON SAINT TAMMANY | | | | | |
| PROJECT NAME: | NEW AUDITORIUM, POPE JOHN PAUL HIGH SCHOOL | | | | | |
| PROJECT ADDRESS: | 1901 JAGUAR DR. | | | | | |
| CITY TOWN: | SLIDELL, LOUISIANA 70461 | | | | | |
| INTENDED USER: | HIGH SCHOOL | | | | | |
| REQUIRED SERVICE: | 480/277 | VOLTS | 3 | PHASE | 4 | WIRE |
| SERV ENTR SIZE: | 400 | AMPS | | | | |
| HVAC TONNAGE: | 73 | 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: | | | 10600 | S.F. | | |
| INDIVIDUAL UNIT SQUARE FOOTAGE: | | | 0 | S.F. | | |
| INDIVIDUAL UNIT DESIGNATION: | | | | (MULT OCCUPANCY) | | |

| LOAD SOURCE | 1Φ KVA | 3Φ KVA | OR | 1Φ KW | 3Φ KW |
|---|---|---|---|---|---|
| BUILDING LIGHTING | | 11.7 | | | |
| ELECTRIC WATER HEATING | | 13.5 | | | |
| HEAT PUMPS | | 134.1 | | | |
| SUPPLEMENTAL HEAT SYSTEMS | | 106.9 | | | |
| AIR COND CONDENSING UNITS | | 0.0 | | | |
| ELEC HEATING (PRIMARY) AHU'S | | 0.0 | | | |
| COOKING | | N/A | | | |
| REFRIGERATION | | N/A | | | |
| RECEPTACLES (STANDARD) | | 13.1 | | | |
| RECEPTACLES (COMPUTER) | | N/A | | | |
| TOTAL MOTORS (EXCLUDE HVAC) | | N/A | | | |
| EXTERIOR LIGHTING | | 8.8 | | | |
| MISCELLANEOUS - CEILING FANS | | | | | |
| OTHER | | | | | |
| TOTAL CONNECTED LOAD | 0.0 | 288.1 | | 0.0 | 0.0 |




## ONE LINE DIAGRAM

SCALE: NTS




## ELECTRICAL SERVICE DETAIL

SCALE: NTS

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950

| REVISIONS | | |
|---|---|---|
| # | DESCRIPTION | DATE |

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW AUDITORIUM
POPE JOHN PAUL II
HIGH SCHOOL
1901 JAGUAR DR.
SLIDELL, LA 70461

| | | | |
|---|---|---|---|
| JOB No: | 2522 | DATE: | 04-10-2026 |
| DRAWN BY: | CKD | CHECKED BY: | BAM |

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SHEET TITLE:
CIRCUIT PANELS AND ONE-LINE DIAGRAM

DRAWING NUMBER:
E103

SHEET No: 20 of 20