FILE NAME: J:\ - Schools Private\2522 - Pope John Paul Slidell Auditorium\Current Drawings\E103 - Electric Circuit Panels & One-Line.dwg PLOT DATE & TIME: Friday, January 30, 2026 11:37:08 AM

PANEL SCHEDULE

PANEL: GYM, MDP
LOCATION: IN ELECTRIC CLOSET NEXT TO TRANSFORMER
FEEDER SOURCE: WASHINGTON ST TAMMANY

VOLTAGE: 480/277V, 400A, 3Φ, 4W W/MB
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

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	12,748					2
3	-	AHU-1A; 20 kW HEAT	50	3	10,808	12,748	3	60	HP-1A	-	4
5					10,808	12,748					6
7					10,808	12,748					8
9	-	AHU-1B; 20 kW HEAT	50	3	10,808	12,748	3	60	HP-1B	-	10
11					10,808	12,748					12
13					5543	5,820					14
15	-	AHU-2; 10 kW HEAT	40	3	5543	5,820	3	30	HP-2	-	16
17					5543	5,820					18
19					7,482	5,820					20
21	-	AHU-3; 15 kW HEAT	50	3	7,482	5,820	3	30	HP-3	-	22
23					7,482	5,820					24
25					7,482	5,820					26
27	-	AHU-4; 15 kW HEAT	50	3	7,482	5,820	3	60	HP-4	-	28
29					7,482	5,820					30
31					15,000	4,155	1	20	Auditorium Lights & Stage Lights	#12	32
33	-	TRANSFORMER T-1 ; GYM PP-1	50	3	15,000	4,000	1	20	Emergency Lights	#12	34
35					15,000	1,800	1	20	EAST WING, Auditorium Bathrooms and Foyer Lights	#12	36
37	-	SPARE	20	1	-	1,728	1	20	WEST WING ALL LIGHTS	#12	38
39	-	SPARE	20	1	-	-	1	20	SPARE	-	40
41	-	SPARE	20	1	-	-	1	20	SPARE	-	42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 302,920
AΦ = 102,962 BΦ = 101,079 CΦ = 98,879
GROUND BUS / GROUND WIRE (G)

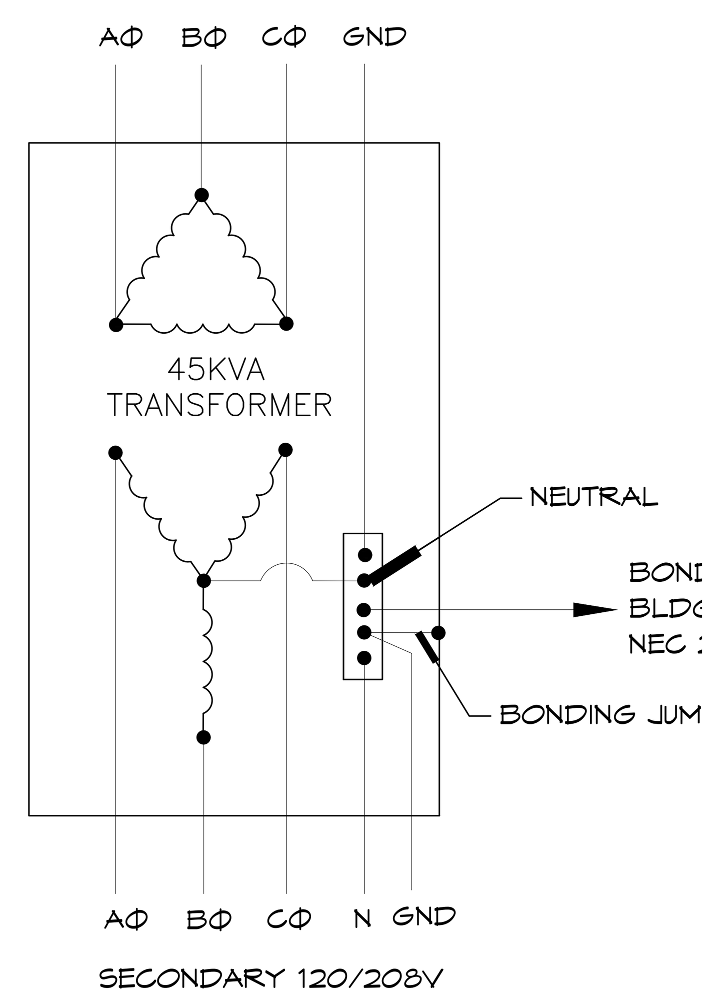
PANEL SCHEDULE

PANEL: GYM, PP1
LOCATION: IN ELECTRIC CLOSET NEXT TO TRANSFORMER
FEEDER SOURCE: T-1

VOLTAGE: 208/120V, 125A, 3Φ, 4W W/MB
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

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	-	AHU-5; 6kW HEAT	45	2	4.056	2,600	2	30	HP-5	-	2
3					4.056	2,600					4
5	-	Outlets, East Wing	20	1	1,260	1,260	1	20	Outlets, East Wing	-	6
7	-	Outlets, Auditorium	20	1	1,260	1,260	1	20	Outlets, Foyer	-	8
9	-	Outlets, Back Stage Auditorium	20	1	1,440	1,080	1	20	Outlets, On Stage Auditorium	-	10
11	-	Outlets, West Wing	20	1	1,080	1,260	1	20	Outlets, West Wing	-	12
13	-	SPARE	20	1	-	-	1	20	SPARE	-	14
15	-	SPARE	20	1	-	-	1	20	SPARE	-	16
17	-	Outlets, West Wing	20	1	1,260	1,440	1	20	Outlets, West Wing	-	18
19											20
21	-	HW-1	30	2	2,250						22
23					2,250	2,250	2	30	HW-2	-	24
25						2,250					26
27											28
29	-	SPACE			-				SPACE	-	30
31	-	SPACE			-				SPACE	-	32
33	-	SPACE			-				SPACE	-	34
35	-	SPACE			-				SPACE	-	36
37	-	SPACE			-				SPACE	-	38
39	-	SPACE			-				SPACE	-	40
41	-	SPACE			-				SPACE	-	42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 34,912
AΦ = 11,426 BΦ = 11,426 CΦ = 12,060
GROUND BUS / GROUND WIRE (G)



TRANSFORMER NOTES:

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

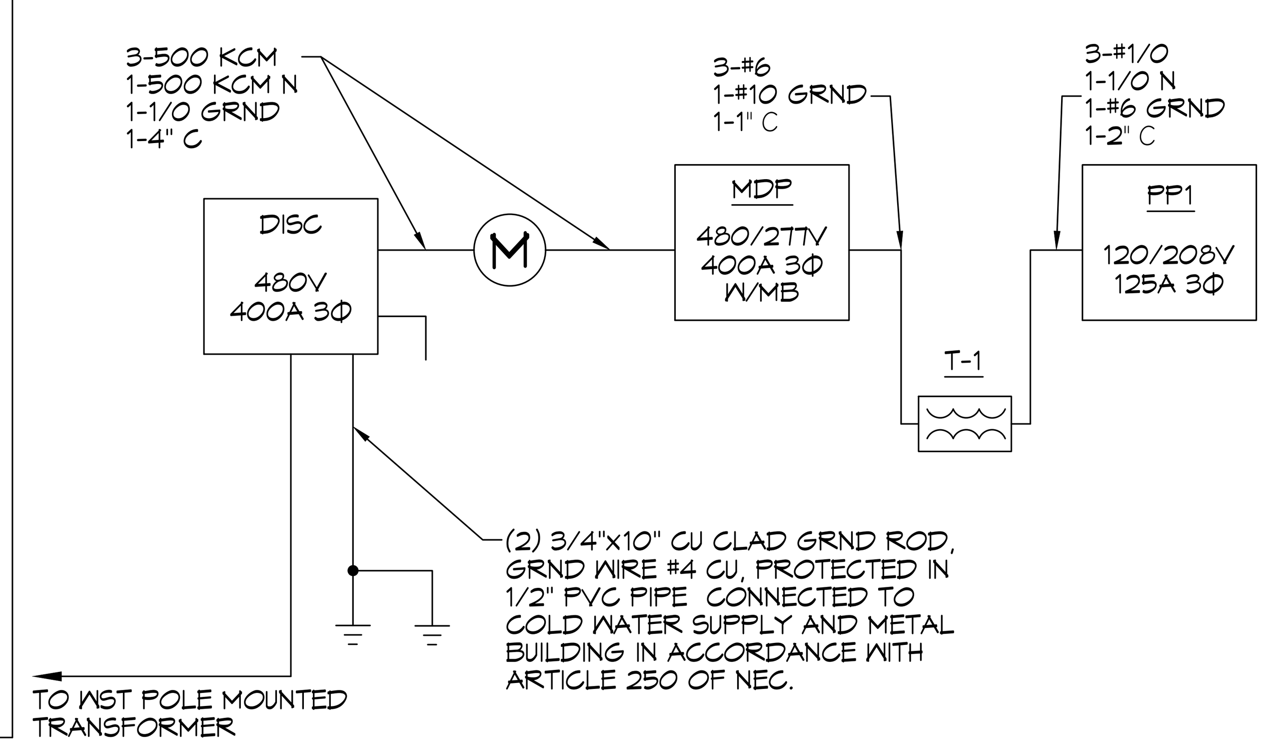
WST - Electrical Load Summary

Project Name: Pope John Paul High School
Project Address: 1901 Jaguar Dr
City / Town: St. Tammany Parish - Slidell, Louisiana

Intended Use: Auditorium and Class Rooms
Requested Service: 480 Volts 3Ø Phase 4 Wires
Service Entrance Size: 400 Amps
HVAC Tonnage: 73 Tons
Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 Ø, 4W services.)

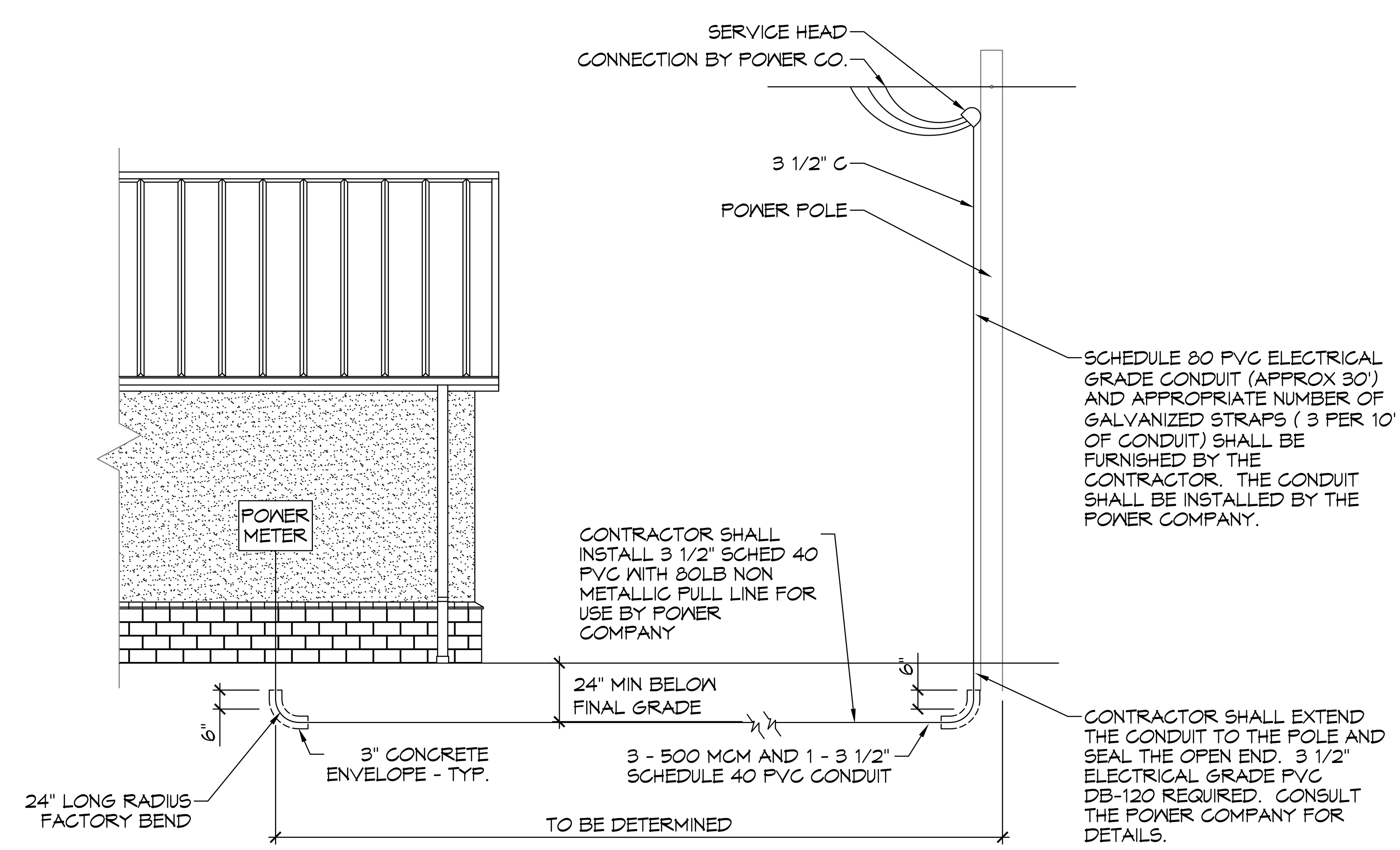
Total Building Square Footage: 20,550 Square Feet
Individual Unit Square Footage: N/A Square Feet (Multiple Occupancy)
Individual Unit Designation: N/A (Multiple Occupancy)

LOAD SOURCE	480/277V 1Ø-kVA	480/277V 3Ø-kVA	or	120/208V 1Ø-kW	120/208V 3Ø-kW
Building Lighting		-	or	-	-
Electric Water Heating		-	or	-	-
Heat Pumps	-	-	or	5.2	-
Supplemental Heat System	-	-	or	-	-
Air Conditioning		-	or	-	-
Electrical Heating (Primary) - AHUs		-	or	8.1	-
Cooking	-	-	or	-	-
Refrigeration		-	or	-	-
Receptacles (Standard)		-	or	-	-
Receptacles (Computer)	-	-	or	-	-
Total Motors (Exclude HVAC)	-	-	or	-	-
Parking Lot / Exterior Lighting		-	or	-	-
Miscellaneous -	-	-	or	-	-
Other (Specify)	-	-	or	-	-



ONE LINE DIAGRAM

SCALE: NTS



ELECTRICAL SERVICE DETAIL

SCALE: NTS

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Slidell, LA 70458
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REVISIONS

#	DESCRIPTION	DATE

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

JOB No: 2522 DATE: 01-28-2026
DRAWN BY: CKD CHECKED BY: BAM

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SHEET TITLE:
CIRCUIT PANELS AND ONE-LINE DIAGRAM

DRAWING NUMBER:
E103

SHEET No: 17 of 17