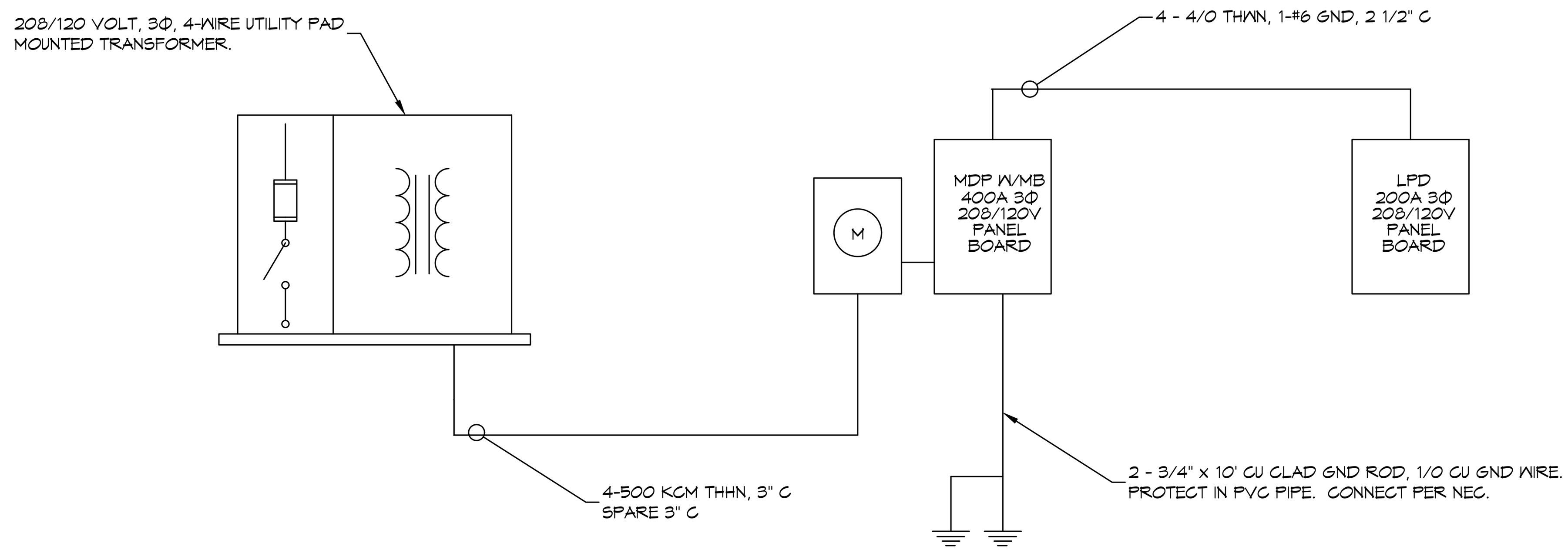
Electrical Load Summary

Project Name: KEVIN DARR, MD
Project Address: DALWILL DRIVE
City / Town: MANDEVILLE, LA
Intended Use:
Requested Service: Medical Office Building
Service Entrance: 208 Volts 3 Phase 4 Wires
Size: 400 Amps
HVAC Tonnage: 16 Tons
Largest Motor: 1.0 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: 4,220 Square Feet
Individual Unit Square Footage: 4,220 Square Feet (ADDITION)
Individual Unit Designation: - (Multiple Occupancy)

120V / 208V

LOAD SOURCE	1Ø kW	3Ø kW
Building Lighting	3.5	
Electric Water Heating	4.6	
Heat Pump		
Supplemental Heat System		
Air Conditioning (RTU)	3.4	24.9
Electrical Heating (Primary)	5.6	25.2
Cooking		
Refrigeration		
Receptacles (Standard)	17.0	
Receptacles (Computer)	3.8	
Laundry Cleaning Equipment	5.2	
Parking Lot / Exterior Lighting		
Miscellaneous	11.3	
Other (Specify) X-RAY		40.0



RISER DIAGRAM

SCALE: NONE

PANEL SCHEDULE

PANEL: MDP
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: CLECO
VOLTAGE: 208/120V, 400A, 3Ø, 4W, 400A MB
ENCLOSURE: SURFACE MOUNTED NEMA 3R 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					19.1	1.7					2
3	-	SUB PANEL LP	200	3	20.4	1.7	2		** CU #1	-	4
5					21.8	3.7					6
7					18.3	3.7	3		** CU #2	-	8
9	-	XRAY **	160	3	18.3	3.7					10
11					18.3	4.6					12
13	-	SPARE	20	1	-	4.6	3		** CU #3	-	14
15	-	SPARE	20	1	-	4.6					16
17	-	SPARE	20	1	-		1	20	SPARE		18

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (kva) = 144.5 — AØ = 47.4 — BØ = 48.7 — CØ = 48.4 — GROUND BUS / GROUND WIRE (G)

NOTE :
1. ** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED.

PANEL SCHEDULE

PANEL: LPD
LOCATION:
FEEDER SOURCE: MDP
VOLTAGE: 208/120V, 200A, 3Ø, 4W, MLO
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 (kva)	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	12	OUTLETS	20	1	1.6	0.5	1	20	OUTLETS	12	2
3	12	OUTLETS	20	1	0.7	1.3	1	20	OUTLETS	12	4
5	12	OUTLETS	20	1	1.1	1.1	1	20	OUTLETS	12	6
7	12	OUTLETS	20	1	0.9	0.4	1	20	OUTLETS	12	8
9	12	OUTLETS	20	1	0.4	1.1	1	20	OUTLETS	12	10
11	12	OUTLETS	20	1	0.9	1.1	1	20	OUTLETS	12	12
13	12	OUTLETS	20	1	1.1	1.1	1	20	OUTLETS	12	14
15	12	OUTLETS	20	1	1.3	0.9	1	20	OUTLETS	12	16
17	12	OUTLETS	20	1	1.1	0.4	1	20	OUTLETS	12	18
19	12	OUTLETS	20	1	0.4	1.1	1	20	OUTLETS	12	20
21	12	OUTLETS	20	1	1.0	1.3	1	20	OUTLETS	12	22
23	10	WATER HEATER	30	1	2.3	0.8	1	20	LIGHTS	12	24
25					2.3	0.9	1	20	LIGHTS	12	26
27	-	AHU #1 **		3	2.8	0.9	1	20	LIGHTS	12	28
29					2.8	0.9	1	20	LIGHTS	12	30
31					4.2		1	20	SPARE		32
33	-	AHU #2 **		3	4.2		1	20	SPARE		34
35					4.2		1	20	SPARE		36
37					4.2		1	20	SPARE		38
39	-	AHU #3 **		3	4.2	2.6	2	30	LAUNDRY DRYER	-	40
41					4.2	2.6					42

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (kva) = 61.3 — AØ = 19.1 — BØ = 20.4 — CØ = 21.8 — GROUND BUS / GROUND WIRE (G)

NOTE :
1. ** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED.

PANEL SCHEDULES

SCALE: NONE

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#	DESCRIPTION	DATE
REVISIONS		

SEAL:

NEW DENTIST OFFICE
CHERIE DDS, LLC
2142 MONROE STREET
MANDEVILLE, LA. 70448

JOB No:	2514	DATE:	09-05-2025
DRAWN BY:	CKD	CHECKED BY:	CKD

SHEET TITLE:
PANEL SCHEDULE, ONE LINE DIAGRAM AND ELEC. LOAD SUMMARY

DRAWING NUMBER:
E103

SHEET No: 17 of #17