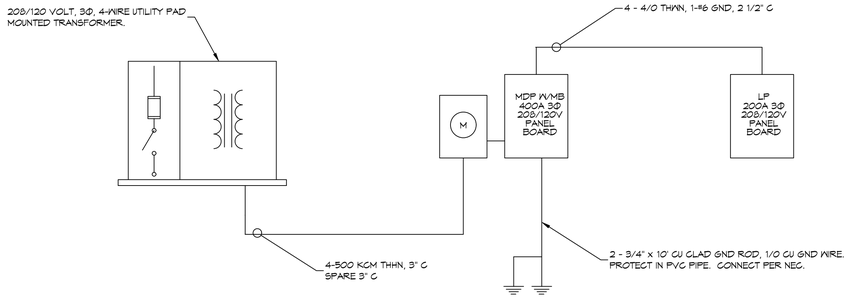

RISER DIAGRAM

SCALE: NONE

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 0, 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	1Φ kW	3Φ 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

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)	AØ BØ CØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	3/0	SUB PANEL LP	200	3	19.1		1.7	2	25	** CU #1; 2.5 TON	10	2
3					21.4		1.7					4
5					21.8		3.7					6
7	3/0	XRAY **	160	3	18.3		3.7	3	45	** CU #2; 6 TON	6	8
9					18.3		3.7					10
11					18.3		4.6					12
13	-	SPARE	20	1	-		4.6	3	60	** CU #3; 7.5 TON	6	14
15	-	SPARE	20	1	-		4.6					16
17	-	SPARE	20	1	-			1	20	SPARE		18

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 145.5

AØ = 47.4 | BØ = 49.7 | CØ = 48.4

GROUND BUS GROUND WIRE (G)

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

PANEL SCHEDULE

PANEL: LP
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)	AØ BØ CØ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	12	WAITING RM & EXAM 1 OUTLETS	20	1	1.8		0.5	1	20	RECEPTION OUTLETS	12	2
3	12	RECEPTION OUTLETS	20	1	0.7		1.3	1	20	EXAM 2 OUTLETS	12	4
5	12	EXAM 3 OUTLETS	20	1	1.1		1.1	1	20	EXAM 4 OUTLETS	12	6
7	12	X-RAY & C-ARM OUTLETS	20	1	0.9		0.4	1	20	X-RAY TECH OUTLETS	12	8
9	12	DEDICATED OUTLET C-ARM	20	1	1.4		1.1	1	20	C-ARM RM OUTLETS	12	10
11	12	NURSE STATION OUTLETS	20	1	0.9		1.1	1	20	NURSE STATION OUTLETS	12	12
13	12	RESTROOM, INSTRUMENT CLEAN, & EXAM 6 OUTLETS	20	1	1.1		1.1	1	20	EXAM 5 & 6 OUTLETS	12	14
15	12	CONFERENCE & OFFICE 2 OUTLETS	20	1	1.3		0.9	1	20	EXAM 5, RESTROOM & ATTIC OUTLETS	12	16
17	12	WORK 1 OUTLETS	20	1	1.1		0.4	1	20	BREAK RM OUTLETS	12	18
19	12	BREAK RM OUTLETS	20	1	0.4		1.1	1	20	BREAK RM, STORAGE, LAUNDRY & IT OUTLETS	12	20
21	12	WASHING MACHINE OUTLET	20	1	1.0		1.3	1	20	OFFICE 1, BATH & CONFERENCE OUTLETS	12	22
23	10	WATER HEATER	30	1	2.3		0.4	1	20	EXTERIOR LIGHTS; PHOTO SENSOR	12	24
25					2.3		0.9	1	20	LIGHTS	12	26
27	10	AHU #1; 3.6 KW HEAT **	30	3	2.8		1.0	1	20	LIGHTS	12	28
29					2.8		0.7	1	20	LIGHTS	12	30
31	8	AHU #2; 7.5 KW HEAT **	35	3	4.2			1	20	SPARE		32
33					4.2			1	20	SPARE		34
35					4.2			1	20	SPARE		36
37	8	AHU #3; 7.5 KW HEAT **	35	3	4.2			1	20	SPARE		38
39					4.2		2.6	2	30	LAUNDRY DRYER	10	40
41					4.2		2.6					42

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 62.3

AØ = 19.1 | BØ = 21.4 | CØ = 21.8

GROUND BUS GROUND WIRE (G)

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

PANEL SCHEDULES

SCALE: NONE

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Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

STATE OF LOUISIANA — BRIAN A. MISTICH License No. 30187 — 3/17/2026 — PROFESSIONAL ENGINEER

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FINAL PRACTICE

KEVIN DARR, MD

DALWILL DRIVE
MANDEVILLE, LA

JOB No: 2523 | DATE: 3-6-2026
DRAWN BY: CKD | CHECKED BY: CKD

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

DRAWING NUMBER:
E103

SHEET No: 17 of 22

FILE NAME: J:\-- Inactive -- Medical -- Darrell\2523 -- Wallers -- Dr. Darr -- Final Practice\Dwg\Current\E103 -- Panel Sched Riser.dwg OUT DATE & TIME: Wednesday, March 18, 2026 3:58:53 PM