FILE NAME: J:\... Office Workbooks\2458 - By State\ 425 South Street Slidell\Drawings\Current Drawings\E104 - Schedules.dwg PLOT DATE & TIME: Thursday, August 21, 2025 11:51:13 AM

PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120V, SINGLE PHASE, W 200A MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR MURRAY TYPE LC 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		AIR CONDITIONER	60	2	5000	5000	2	60	HEAT		2
3					5000	5000					4
5		RECEPT	20	1	500	5000	2	60	HEAT		6
7		RECEPT	20	1	500	5000					8
9		RECEPT	20	1	500	200	1	20	EMER LIGHT		10
11		RECEPT	20	1	500	500	1	20	LIGHT		12
13		REFRIG	20	1	500	500	1	20	LIGHT		14
15		LIGHTS	20	1	500	500	1	20	LIGHT		16
17		LIGHTS	20	1	500	500	1	20	LIGHT		18
19		LIGHTS	20	1	500	500	1	20	RECEPT		20
21		ORCA 64	40	2	3500	500	1	20	RECEPT		22
23					3500	500	1	20	LIGHT		24
25		100KW BATTERY CHARGER	15	1	1000	500	1	20	15.T.		26
27		OFF 2 PANEL	60	2	3000	500	2	20	WATER HEATER		28
29					3000	500					30
31											32

SOLID NEUTRAL = NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = 53,200
AØ = 27,200 BØ = 21,000
GROUND BUS = GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P2
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120V, SINGLE PHASE, W 200A MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR MURRAY TYPE LC 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		AIR COMP	60	2	5000	5000	2	60	WELDER		2
3					5000	5000					4
5		DISCONNECT COMP.	50	2	4000	500	1	20	RECEPT		6
7					4000	500	1	20	RECEPT		8
9		RECEPT	20	1	500	500	1	20	E. WALL PRINTER		10
11		SHOP LIGHT	20	1	500	500	1	20	LASER VENT FAN		12
13		LIGHT	20	1	500	500	1	20	RECEPT		14
15		SPARE	20	1	0	1200	1	20	HOT WATER		16
17		RECEPT	20	1	500	5000	2	60	AHU		18
19		SUB PANEL ON THE WALL TO THE LEFT	50	2	2000	5000					20
21					2000	500	1	20	EXHAUST FAN		22
23		MARE HOUSE DOOR	20	1	500	0	2	20	TV55		24
25		ROLAND PRINT MACHINE	30	1	500	0					26
27		BUCK BOOST TRANSFORMERS ON RIGHT	40	2	3000	3000	2	40	UNKNOWN		28
29					3000	3000					30
31											32

SOLID NEUTRAL = NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = 60,100
AØ = 31,000 BØ = 30,000
GROUND BUS = GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP3
LOCATION: WEST WALL CENTER
FEEDER SOURCE: UTILITY
VOLTAGE: 408/120V, 200A,3Ø, 4W W/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 (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		A/C	60	3	3500	3500	3	60	A/C		2
3					3500	3500					4
5					3500	3500					6
7		SPACE				500	3	20	CORD REELS		8
9		HIGH LEG				3000	3	50	WELDER		10
11		FILM LAM	40	3	2000	3000					12
13					2000				SPACE		14
15		HIGH LEG							HIGH LEG		16
17		COMP	60	3	2000				SPACE		18
19					2000				SPACE		20
21					2000				HIGH LEG		22
23		DRYER	20	1	500				SPACE		24
25		GFI	20	1	500	500	1	20	LIGHTS		26
27		HIGH LEG							HIGH LEG		28
29		GFI	20	1	500	500	1	20	LIGHTS		30
31		OUTSIDE LIGHTS	20	1	500	500	1	20	LIGHTS		32
33		HIGH LEG							HIGH LEG		34
35		GFI / EMER	20	1	500	200	1	20	DOOR OPENER		36
37		GFI	20	1	500		1	20	SPARE		38
39		HIGH LEG							HIGH LEG		40
41		DOOR OPENER	20	1	200		1	20	SPARE		42

SOLID NEUTRAL = NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) =42,200
AØ = 14,000 BØ = 12,000 CØ = 16,200
GROUND BUS = GROUND WIRE (G)

EXISTING PANELS

PANEL SCHEDULE

PANEL: P4
LOCATION: WEST WALL, NORTH
FEEDER SOURCE: DISCONNECT SWITCH IN ELECTRICAL CLOSET
VOLTAGE: 240/120, 100A, SINGLE PHASE, W/ 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 (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTS	20	1	700	1080	1	20	RECEPTACLES ROOM TO THE NORTH	#12	2
3	#12	LIGHTS AND EXHAUST FAN RESTROOM	20	1	300	1440	1	20	RECEPTACLES THIS ROOM AND OUTSIDE NEAR A/C UNIT	#12	4
5	#12	MS-1, MINI SPLIT, NORTH END	50	1	2200		1	20	SPARE		6
7					2200		1	20	SPARE		8
9		SPACE							SPACE		10
11		SPACE							SPACE		12

SOLID NEUTRAL = NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = 7920
AØ = 3,980 BØ = 3,940
GROUND BUS = GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P5
LOCATION: NEW WAREHOUSE
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120, 200A, SINGLE PHASE, W/ MLO
ENCLOSURE: SURFACE 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	HVAC / FURNACE-1	30	1	1800	1400	1	20	EVAPORATOR-1	#12	2
3					1800	1400					4
5	#10	HVAC / FURNACE-2	20	1	1800	1400	1	20	EVAPORATOR-1	#12	6
7					1800	1400					8
9	#12	RECEPTICLES WEST SIDE	20	1	1080		1	20	SPARE		10
11	#12	RECEPTACLES EAST SIDE	20	1	1080		1	20	SPARE		12
13	#12	LIGHTS, INTERIOR	20	1	400		1	20	SPARE		14
15	#12	LIGHTS, EXTERIOR	20	1	400		1	20	SPARE		16
17		SPACE							SPACE		18
19		SPACE							SPACE		20
21		SPACE							SPACE		22
23		SPACE							SPACE		24
25		SPACE							SPACE		26
27		SPACE							SPACE		28
29		SPACE							SPACE		30
31		SPACE							SPACE		32

SOLID NEUTRAL = NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) =15,760
AØ = 7,880 BØ = 7,880
GROUND BUS = GROUND WIRE (G)

NEW PANELS

32 SCHEDULES
SCALE: N.T.S.

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DESCRIPTION DATE

SEAL:
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PROFESSIONAL ENGINEER

NEW WAREHOUSES
SEC-SPECIALITY
SEHANCED
IMAGING
425 SOUTH STREET
SLIDELL, LA 70460
JOB No: 2498
DRAWN BY: DD/JTL
DATE: 08-21-2025
CHECKED BY: BAM

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SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, SECOND FLOOR

DRAWING NUMBER:
E104

SHEET No: 14 of 16