FILE NAME: J:\Commercial\2360 - Funeral Home in Slidell\Drawings\Current Drawings\E103 - Panel Schedules.dwg, PLOT DATE & TIME: Wednesday, February 20, 2019 10:09:25 AM

PANEL SCHEDULE

PANEL: P1
LOCATION: EQUIPMENT ROOM
FEEDER SOURCE: UTILITY COMPANY
INTERRUPTING RATING: SERIES RATED FOR 42KAIC
VOLTAGE: 240/120V, 3Ø3A, 1Ø, 3W W/MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR BY D TYPE NQ PANELBOARD

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AØ	BØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	FLOOR RECEPTACLE DENTAL DELIVERY	20	1	900			900	1	20	FLOOR RECEPTACLE, DENTAL CHAIR	#12	2
3	#12	FLOOR RECEPTACLE DENTAL DELIVERY	20	1	900			900	1	20	FLOOR RECEPTACLE, DENTAL CHAIR	#12	4
5	#12	WALL RECEPTACLES CNSLT. AREA	20	1	540			540	1	20	WALL AND FLOOR RECEPTACLES CNSLT. AREA	#12	6
7	#12	WALL RECEPTACLES CNSLT. AREA	20	1	540			540	1	20	WALL AND FLOOR RECEPTACLES CNSLT. AREA	#12	8
9	#12	RECEPTACLES, WAITING AREA	20	1	900			720	1	20	RECEPTACLES, ENTRY AREA	#12	10
11	#12	RECEPTACLES, FRONT COUNTER	20	1	540			360	1	20	RECEPTACLES, FRONT COUNTER	#12	12
13	#12	RECEPTACLES, FRONT COUNTER	20	1	720			900	1	20	RECEPTACLES, EQUIP ROOM, HALL BATHROOM	#12	14
15	#12	RECEPTACLES, OFFICE	20	1	540			900	1	20	RECEPTACLES, OFFICE	#12	16
17	#12	FLOOR RECEPTACLE DENTAL DELIVERY OPEN AREA	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR OPEN AREA	#12	18
19	#12	FLOOR RECEPTACLE DENTAL DELIVERY OPEN AREA	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR OPEN AREA	#12	20
21	#12	FLOOR RECEPTACLE DENTAL DELIVERY OPEN AREA	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR OPEN AREA	#12	22
23	#12	FLOOR RECEPTACLE DENTAL DELIVERY OPEN AREA	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR OPEN AREA	#12	24
25	#12	FLOOR RECEPTACLE DENTAL DELIVERY OPEN AREA	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR OPEN AREA	#12	26
27	#12	FLOOR RECEPTACLE DENTAL DELIVERY OPEN AREA	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR OPEN AREA	#12	28
29	#12	WALL AND FLOOR RECEPTACLE OPEN BAY AREA	20	1	720			900	1	20	WALL AND FLOOR RECEPTACLE OPEN BAY AREA	#12	30
31	#12	FLOOR RECEPTACLE DENTAL TREATMENT ROOM	20	1	500			500	1	20	FLOOR RECEPTACLE, DENTAL CHAIR TREATMENT ROOM	#12	32
33	#12	RECEPTACLES TREATMENT ROOM	20	1	720			540	1	20	COUNTER RECEPTACLES, LAB	#12	34
35	#12	RECEPTACLES, NEAR STAIRS	20	1	360			540	1	20	COUNTER RECEPTACLES, LAB	#12	36
37		LIGHTING IN ATTIC	20	1	200			1080	1	20	RECEPTACLES, BATHROOM AND HALL	#12	38
39		RECEPTACLES IN ATTIC	20	1	800			900	1	20	RECEPTACLES, OFFICE	#12	40
41		SPACE		1	0			0	1		SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (N) — TOTAL CONNECTED LOAD (VA) = 23490 — GROUND BUS GROUND WIRE (G)
AØ = 12710 | BØ = 11020

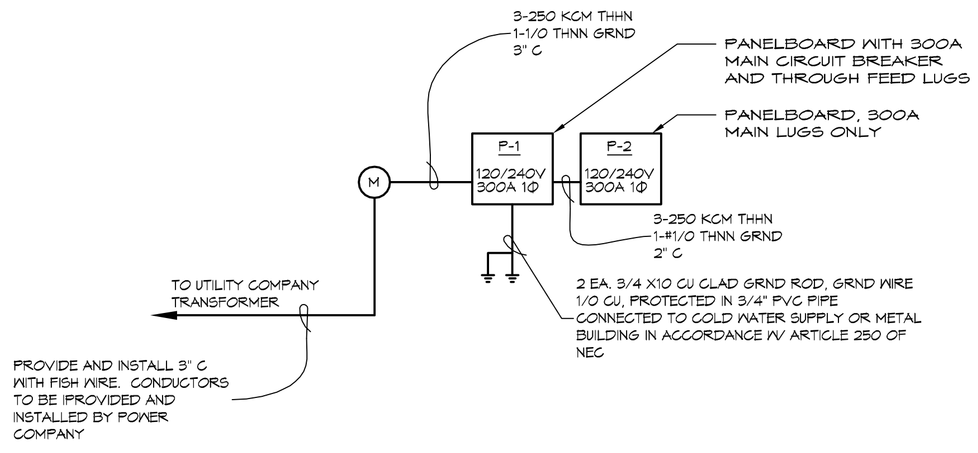
PROVIDE THROUGH FEED LUGS

PANEL SCHEDULE

PANEL: P2
LOCATION: EQUIPMENT ROOM
FEEDER SOURCE: UTILITY COMPANY
INTERRUPTING RATING: SERIES RATED FOR 42KAIC
VOLTAGE: 240/120V, 3Ø3A, 1Ø, 3W W/MAIN LUGS
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR BY D TYPE NQ PANELBOARD

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AØ	BØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	DEDICATED CIRCUIT, LAB	20	1	500			1000	2	20	DEDICATED CIRCUIT, LAB	#12	2
3	#12	DEDICATED CIRCUIT, LAB	20	1	500			1000					4
5	#12	DEDICATED CIRCUIT, LAB	20	1	500			1000	1	20	REFRIGERATOR RECEPTACLE, LAB	#12	6
7	#12	COUNTER RECEPTACLE, LAB	20	1	540			360	1	20	COUNTER RECEPTACLE, LAB	#12	8
9	#12	COUNTER RECEPTACLE, OPEN AREA	20	1	360			1000	1	20	REFRIGERATOR RECEPTACLE, PAT. ED.	#12	10
11	#12	RECEPTACLE, PAT. ED.	20	1	180			180	1	20	RECEPTACLE, PAT. ED.	#12	12
13	#12	RECEPTACLE, PAT. ED.	20	1	180			180	1	20	RECEPTACLE, PAT. ED.	#12	14
15	#12	RECEPTACLE, PAT. ED.	20	1	180			1500	2	30	WATER HEATER	#12	16
17	#12	LIGHTING, CENTER	20	1	1100			1500					18
19	#12	LIGHTING, OPEN AREA, OFFICES	20	1	1200			800	1	20	LIGHTING, OFFICE, EQUIPMENT ROOM, CNSLT, PAT ED	#12	20
21		SPARE	20	1	0			250	1	20	NIGHT LIGHTS, EMERGENCY LIGHTS AND EXIT LIGHTS	#12	22
23		DEDICATED RECEPTACLE FOR X-RAY MACHINE	20	1	1000			1010	1	20	LIGHTING, ENTRY AND WAITING AREA	#12	24
25	#12	COMPRESSOR	20	2	1000			1000	2	20	VACUM	#12	26
27					1000			1000					28
29	#8	CU-1	40	2	3200			3600	2	60	AHU-1	#6	30
31					3200			3600					32
33	#8	CU-2	40	2	3200			3600	2	60	AHU-2	#6	34
35					3200			3600					36
37	#10	CU-3	30	2	1500			1800	2	30	AHU-3	#10	38
39					1500			1800					40
41		SPACE		1	0			0	1		SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (N) — TOTAL CONNECTED LOAD (VA) = 54830 — GROUND BUS GROUND WIRE (G)
AØ = 27410 | BØ 27350



2 RISER DIAGRAM
SCALE: NTS

ELECTRICAL LOAD SUMMARY

POWER COMPANY

PROJECT NAME:
PROJECT ADDRESS:
CITY/TOWN:
INTENDED USER:

REQ SERV: 240 V 1 PHASE 3 WIRES
SERV ENTR SIZE: 300 AMPS
HVAC TONNAGE: 13 TONS
LARGEST MOTOR: 0 HP

(NOTE: MOTORS ABOVE 20HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE W/ 120/240V, 1Ø, 3W SERVICE)

TOTAL BUILDING SQ FT: 0 SF
INDIVIDUAL UNIT SQUARE FOOTAGE: 0 SF (MULT OCCUPANCY)
INDIVUDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Ø-KVA	3Ø-KVA	OR	1Ø-KW	3Ø-KW
BUILDING LIGHTING	4.4				
ELECTRIC WATER HEATING	3.0				
HEAT PUMPS	N/A				
SUPPLEMENTAL HEAT SYSTEMS	N/A				
AIR COND CONDENSING UNITS	15.8				
ELEC HEATING (PRIMARY) - AHU'S	18				
COOKING	0				
REFRIGERATION	1.5				
RECEPTACLES (STANDARD)	19.7				
RECEPTACLES (COMPUTER)	N/A				
TOTAL MOTORS (EXCLUDE HVAC)	N/A				
EXTERIOR LIGHTING	N/A				
MISCELLANEOUS - CEILING FANS	14				
OTHER (SPECIFY)	N/A				

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME
2081 GAUSE BLVD E
SLIDELL, LA 70461

JOB No: 2360 | DATE: 04-19-2019
DRAWN BY: AEP | CHECKED BY:

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SHEET TITLE:
ELECTRICAL SITE PLAN
RISER DIAGRAM AND
PANEL SCHEDULE

DRAWING NUMBER:
E103

SHEET No: 15 of # 7