PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: UTILITY
AIC = 22,000
VOLTAGE: 208/120V, 350A, 3Ø, 4N MAIN BREAKER
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQUARE D, I-LINE PANELBOARD

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	250KCM	PANELS "P2" AND "P3"	200	3	18070				4800					2
3					17850				4800	3	50	CREMATOR No. 1	#6	4
5					15020				4800					6
7					550				4800					8
9	#12	BODY COOLER	15	3	550				4800	3	50	CREMATOR No. 2	#6	10
11					550				4800					12
13					2500				1300					14
15	#8	HVAC A	40	3	2500				1300	3	30	CONDENSER UNIT A	#6	16
17					2500				1300					18
19	#10	HVAC No. 1	30	2	1800									20
21					1800							SPACE		22
23	#8	HVAC No. 2	50	2	2400									24
25					2400							SPACE		26
27	#10	HVAC No. 3	30	2	1800				820					28
29					1800				820	2	40	CONDENSER UNIT NO. 2	#8	30
31	#8	HVAC No. 4	60	2	3600				460					32
33					3600				460	2	20	CONDENSER UNIT NO. 3	#12	34
35	#8	HVAC No. 5	40	2	2400				820					36
37					2400				820	2	40	CONDENSER UNIT NO. 4	#8	38
39	#12	CONDENSER UNIT No. 1	20	2	460				620					40
41					460				620	2	30	CONDENSER UNIT NO. 5	#10	42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 125,150

AØ = 44,500 | BØ = 41,360 | CØ = 39,290

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P2
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL P-1
AIC = 22,000
VOLTAGE: 208/120V, 200A, 3Ø, 4N 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)	AØ	BØ	CØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLES, EXTERIOR	20	1	400				1080	1	20	RECEPTACLES, DRESSING ROOM, UTILITIES, OFFICE	#12	2
3	#12	RECEPTACLES, EQUIPMENT AND PREP ROOMS	20	1	1440				1200	1	20	RECEPTACLE, UNISEX REST ROOM	#12	4
5	#12	DEDICATED RECEPTACLE, PREP ROOM	20	1	1200				1080	1	20	RECEPTACLES, OFFICES	#12	6
7	#12	DEDICATED RECEPTACLE, PREP ROOM	20	1	1200				1200	1	20	RECEPTACLE, WOMENS REST ROOM	#12	8
9	#12	DEDICATED RECEPTACLE, DRESSING ROOM	20	1	1200				1200	1	20	RECEPTACLE, MENS REST ROOM	#12	10
11	#12	DEDICATED RECEPTACLE, DRESSING ROOM	20	1	1200				1200	1	20	RECEPTACLES, CHAPEL AND VIEWING AREA	#12	12
13	#12	RECEPTACLES, HOLDING AND CREMATION OFFICE	20	1	1080				1080	1	20	RECEPTACLES, OFFICE 2 AND LOBBY	#12	14
15	#12	RECEPTACLES, PROCESSING AREA, OFFICE AND STORAGE	20	1	900				1080	1	20	RECEPTACLES, OFFICE 1 AND OFFICE 2	#12	16
17	#12	RECEPTACLES, MERCH ROOM	20	1	1080				900	1	20	RECEPTACLES, COFFEE LOUNGE	#12	18
19	#12	RECEPTACLES, VISITATION AND VIEWING ROOM	20	1	1080				1500	1	20	DEDICATED RECEPTACLE, COFFEE LOUNGE	#12	20
21	#12	RECEPTACLES, VIEWING AND ID ROOM	20	1	1080				1500	1	20	DEDICATED RECEPTACLE, COFFEE LOUNGE	#12	22
23	#12	RECEPTACLES, RECEIVING/ CREMATORY	20	1	900				1260	1	20	RECEPTACLES, OWNER'S OFFICE SECOND FLOOR	#12	24
25	#12	RECEPTACLES, ATTIC	20	1	1260				720	1	20	RECEPTACLES, BATHROOM SECOND FLOOR	#12	26
27	#12	CONTROL POWER TO CREMATOR No. 1	15	1	500				500	1	15	WATER HEATER	#12	28
29	#12	CONTROL POWER TO CREMATOR No. 2	15	1	500									30
31	#12	BODY COOLER, EVAPORATOR AND LIGHTS	20	1	500									32
33	#10	30A RECEPTACLE FOR PROCESSING STATION	30	1	2500									34
35	#12	CONTROL POWER TO KEY SWITCH CREMATOR VIEWING ROOM	15	1	500									36
37														38
39														40
41														42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 33,840

AØ = 11,420 | BØ = 12,800 | CØ = 9,620

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P3
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL P1
AIC = 22,000
VOLTAGE: 208/120V, 200A, 3Ø, 4N W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

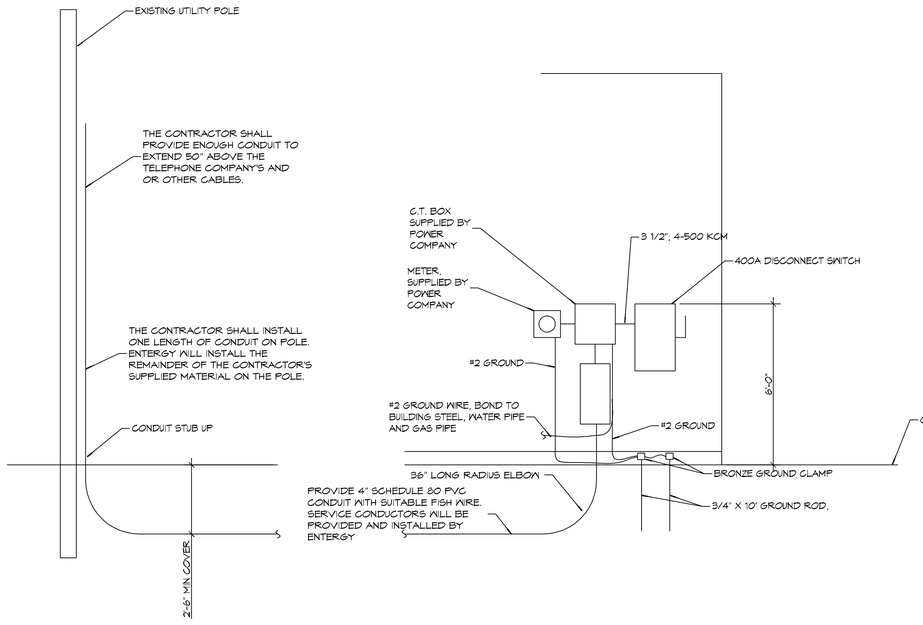
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AØ	BØ	CØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTING, DRESSING ROOM AND CORRIDOR	20	1	1000				1500	1	20	LIGHTING, RESTROOMS	#12	2
3	#12	LIGHTING, ELECTRICAL ROOM UNISEX RESTROOM AND OFFICES	20	1	1100				400	1	20	SPARE	#12	4
5	#12	LIGHTING, CORRIDOR	20	1	800				1000	1	20	LIGHTING, LOBBY	#12	6
7	#12	LIGHTING, VIEWING ROOM A	20	1	1100				1300	1	20	LIGHTING, VIEWING VISITATION ROOM	#12	8
9	#12	LIGHTING, VIEWING ROOM B	20	1	1100				900	1	20	LIGHTING, MERCH ROOM AND OFFICES	#12	10
11	#12	LIGHTING, VIEWING ID ROOM AND COFFEE LOUNGE	20	1	1600				900	1	20	LIGHTING, FRONT PORCH	#12	12
13	#12	LIGHTING, SECOND FLOOR	20	1	1200				400	1	20	LIGHTING, ATTIC	#12	14
15	#12	LIGHTING, HOLDING, OFFICES, STORAGE ROOM	20	1	1000				300	1	20	LIGHTING, REAR PORCH AND STAIRS	#12	16
17	#12	LIGHTING, RECEIVING, CREMATORY	20	1	600									18
19	#12	OUTSIDE LIGHTING, REAR THROUGH LIGHTING CONTACTOR	20	1	150									20
21	#10	PARKING LOT LIGHTS THROUGH LIGHTING CONTACTOR	20	2	450									22
23					450									24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 17,100

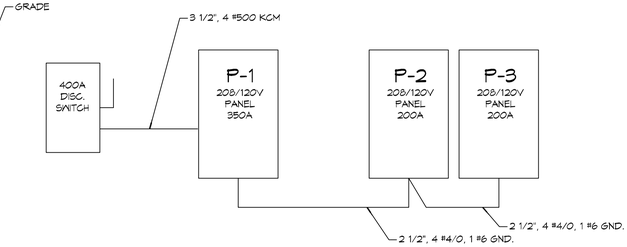
AØ = 6,850 | BØ = 5,250 | CØ = 5,200

GROUND BUS
GROUND WIRE (G)



SERVICE ENTRANCE

SCALE: NONE



RISER DIAGRAM

SCALE: NONE

ELECTRICAL LOAD SUMMARY

ENTERGY POWER COMPANY

PROJECT NAME: BOYD FAMILY FUNERAL HOME

PROJECT ADDRESS: 4800 DONNMAN ROAD

CITY/TOWN: NEW ORLEANS, LOUISIANA

INTENDED USER: BOYD

REQ SERV: 208 V 3 PHASE 4 WIRES

SERV ENTR SIZE: 350 AMPS

HVAC TONNAGE: 26 TONS

LARGEST MOTOR: 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: 11000 SF

INDIVIDUAL UNIT SQUARE FOOTAGE: SF (MULT OCCUPANCY)

INDIVIDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Ø-kVA	3Ø-kVA	OR	1Ø-kA	3Ø-kA
BUILDING LIGHTING	17.1				
ELECTRIC WATER HEATING	0.0				
HEAT PUMPS		4.0			
SUPPLEMENTAL HEAT SYSTEMS		7.5			
AIR COND CONDENSING UNITS	6.3				
ELEC HEATING (PRIMARY) - AHU's	26				
COOKING	N/A				
REFRIGERATION	1.6				
RECEPTACLES (STANDARD)	33.6				
RECEPTACLES (COMPUTER)	0				
TOTAL MOTORS (EXCLUDE HVAC)	0				
EXTERIOR LIGHTING	1.0				
MISCELLANEOUS - CEILING FANS	32.5				
OTHER (POOL EQUIPMENT, TENNANT)	0				

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

#	DESCRIPTION	DATE

REVISIONS

SEAL:

BOYD FAMILY FUNERAL HOME

NEW FUNERAL HOME
4800 DONNMAN ROAD
NEW ORLEANS, LA

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DATE:	10-10-2018
DRAWN BY:	AP/JAGNVI
CHECKED BY:	AP

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:

E105

SHEET No: 23 of # 23