PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: UTILITY
AIC = 22,000
VOLTAGE: 208/120V, 350A, 3Ø, 4W 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	3	50	CREMATOR No. 1	#6	2
3					17850		4800					4
5					15020		4800					6
7	#12	BODY COOLER	15	3	550		4800	3	50	CREMATOR No. 2	#6	8
9					550		4800					10
11					550		4800					12
13	#8	HVAC A	40	3	2500		1300	3	30	CONDENSER UNIT A	#8	14
15					2500		1300					16
17					2500		1300					18
19	#10	HVAC No. 1	30	2	1800					SPACE		20
21					1800							22
23	#8	HVAC No. 2	50	2	2400					SPACE		24
25					2400							26
27	#10	HVAC No. 3	30	2	1800		820	2	40	CONDENSER UNIT NO. 2	#8	28
29					1800		820					30
31	#8	HVAC No. 4	60	2	3600		460	2	20	CONDENSER UNIT NO. 3	#12	32
33					3600		460					34
35	#8	HVAC No. 5	40	2	2400		820	2	40	CONDENSER UNIT NO. 4	#8	36
37					2400		820					38
39	#12	GONDENSER UNIT No. 1	20	2	460		620	2	30	CONDENSER UNIT NO. 5	#10	40
41					460		620					42

SOLID NEUTRAL
NEUTRAL WIRE (W)

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, 4W 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	900		1080	1	20	RECEPTACLES, DRESSING ROOM, UTILITES, OFFICE	#12	2
3	#12	RECEPTACLES, EQUIPMENT AND PREP ROOMS	20	1	1440		1200	1	20	RECEPTACLE, UNSEX 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, OWNERS 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							28
29	#12	CONTROL POWER TO CREMATOR No. 2	15	1	500							30
31	#12	BODY COOLER, EVAPORATOR AND LIGHTS	15	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 (W)

TOTAL CONNECTED LOAD (VA) = 99,840

AØ = 11,420 | BØ = 12,600 | CØ = 9,820

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

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

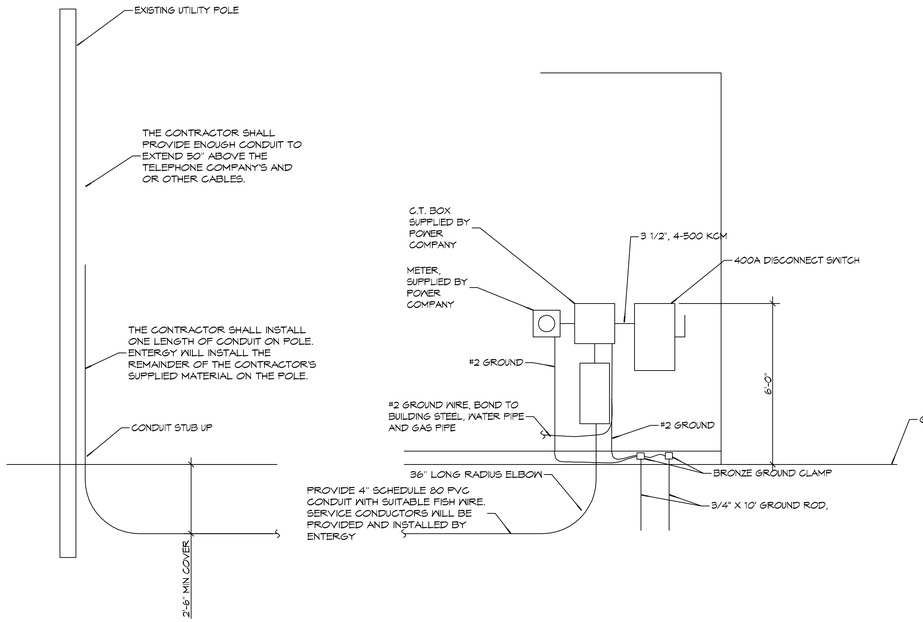
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTING, DRESSING ROOM AND CORRIDOR	20	1	1000		1500	1	20	LIGHTING, RESTROOMS	#12	2
3	#12	LIGHTING, ELECTRICAL ROOM UNSEX RESTROOM AND OFFICES	20	1	1100		400	1	20	EXIT LIGHTS	#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 D 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	#12	16
17	#12	LIGHTING, RECEIVING, CREMATORY	20	1	600		800	1	20	WATER HEATER	#12	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 (W)

TOTAL CONNECTED LOAD (VA) = 17,100

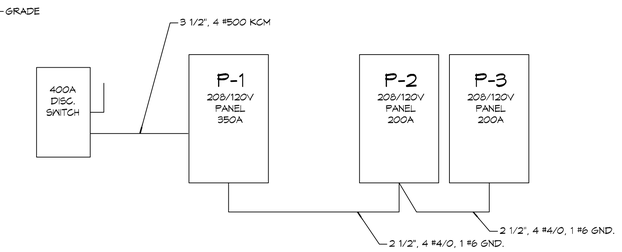
AØ = 8,650 | BØ = 5,250 | CØ = 5,200

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)

INDIVUDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Ø-kVA	3Ø-kVA	OR	1Ø-kW	3Ø-kW
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
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Chief Engineer: Brian Mistich, PE
5545 Grand Teton Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4800 DONNMAN ROAD
NEW ORLEANS, LA

JOB No: 23-96 | DATE: 07-30-2019
DRAWN BY: AP/JAG/MKK | CHECKED BY: AP

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SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:

E105

SHEET No: 23 of # 23

FILE NAME: J:\- Commercial\2396 - Boyd Funeral Home\Drawings\Current Drawings\E105 - Panel Schedules.dwg PLOT DATE & TIME: Thursday, August 29, 2019 2:39:41 PM