FILE NAME: J:\- Commercial\2396 - Boyd Funeral Home\Drawings\Current Drawings\E105 - Panel Schedules.dwg PLOT DATE & TIME: Thursday, October 10, 2019 4:31:27 PM

PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: UTILITY
AIC = 22,000
VOLTAGE: 208/120V, 350A, 3Φ, 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)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1					18070	4800					2
3	250KCM	PANELS "P2" AND "P3"	200	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				SPACE		20
21					1800						22
23	#6	HVAC No. 2	50	2	2900				SPACE		24
25					2900						26
27	#10	HVAC No. 3	30	2	1800	820	2	40	CONDENSER UNIT NO. 2	#8	28
29					1800	820					30
31	#6	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	2900	820	2	40	CONDENSER UNIT NO. 4	#8	36
37					2900	820					38
39	#12	CONDENSER 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
AΦ = 44,500 | BΦ = 41,360 | CΦ = 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, 3Φ, 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)	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, 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

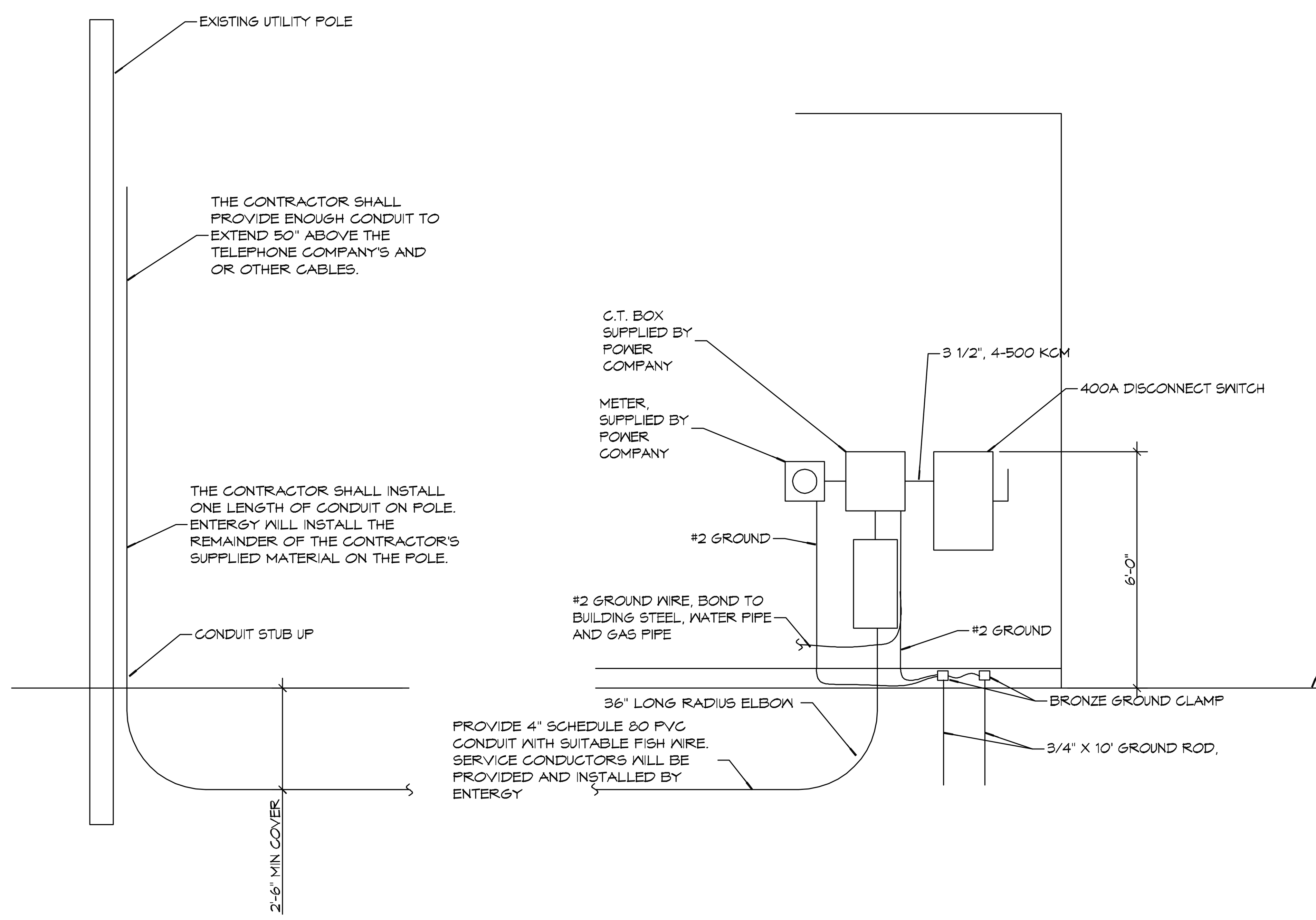
SOLID NEUTRAL
NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 33,840
AΦ = 11,420 | BΦ = 12,600 | CΦ = 9,820
GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P3
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL P1
AIC = 22,000
VOLTAGE: 208/120V, 200A, 3Φ, 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)	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	LIGHTNG, 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 (W)
TOTAL CONNECTED LOAD (VA) = 17,100
AΦ = 6,650 | BΦ = 5,250 | CΦ = 5,200
GROUND BUS
GROUND WIRE (G)



SERVICE ENTRANCE

SCALE: NONE

ELECTRICAL LOAD SUMMARY

ENTERGY POWER COMPANY

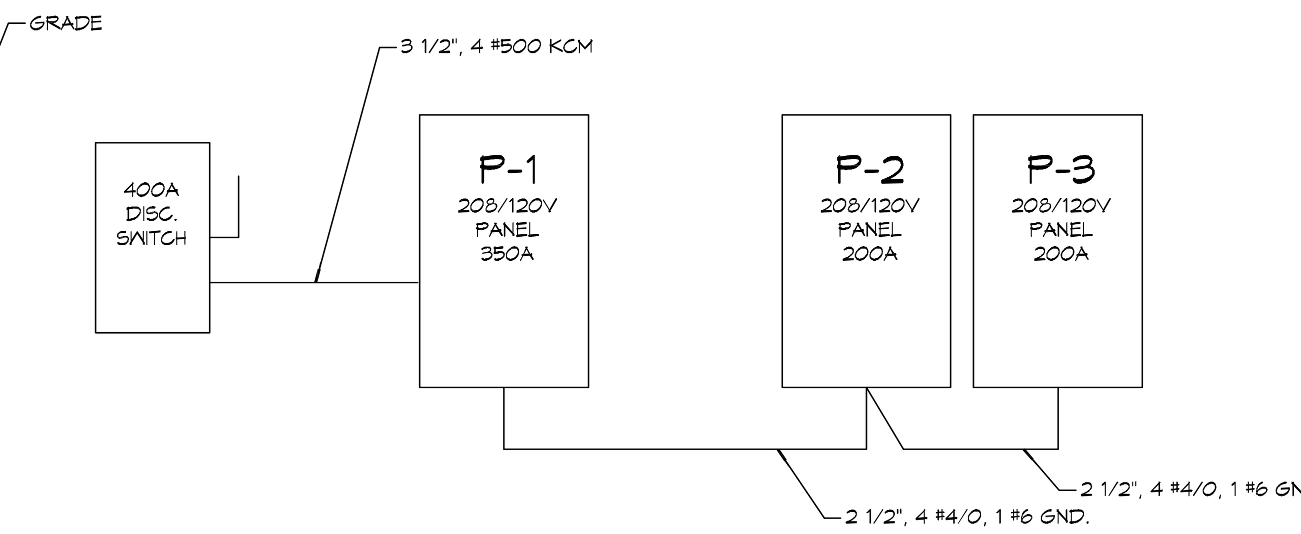
PROJECT NAME: BOYD FAMILY FUNERAL HOME
PROJECT ADDRESS: 4800 DOWNMAN ROAD
CITY/TOWN: NEW ORLEANS, LOUISIANA
INTENDED USER: BOYD

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, 1Φ, 3W SERVICE)

TOTAL BUILDING SQ FT: 11000 SF
INDIVIDUAL UNIT SQUARE FOOTAGE: SF (MULT OCCUPANCY)
INDIVUDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Φ-KVA	3Φ-KVA	OR	1Φ-KW	3Φ-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				



RISER DIAGRAM

SCALE: NONE

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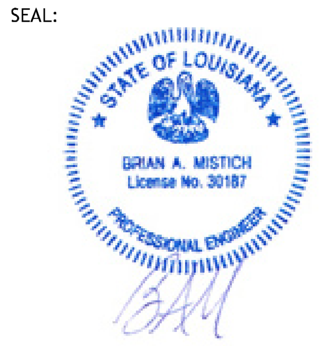
SEAL:



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NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396 | DATE: 10-10-2019
DRAWN BY: AP/JAGMW | CHECKED BY: AP

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:
E105

SHEET No: 23 of # 23