

FILE NAME: J:\1 - Commercial\328 - Proj - Dwyer Home\328.dwg - DWG ELECTRICAL - 23 - SITE ELECTRICAL PLAN - 10/21/2020 11:15:41 AM



FIXTURES:

- 18' POLE WITH LED LIGHT, 4000K, NEMA TYPE 4 BEAM EATON PREVAIL #PRV-A60-D-UNV-T4-BT-; 18'00 LUMENS, 165W
- REFURBISH EXISTING LIGHT POLE WITH LED LIGHT

SITE LIGHTING

EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.

23 SITE ELECTRICAL PLAN
SCALE: 1" = 10'-0"

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian March, PE
554 Old Spanish Trail
Stidell, LA 70688
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.8832

REVISIONS	DATE
# DESCRIPTION	

SEAL:

STATE OF LOUISIANA
RICKEY JOHN KASTNER, JR.
License No. 37684
10/21/2020

NEW FUNERAL HOME
BOYER FAMIL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2316 DATE: 10-19-2020
DRAWN BY: JAG/KVK CHECKED BY: CKD

SHEET TITLE:
SITE ELECTRICAL PLAN

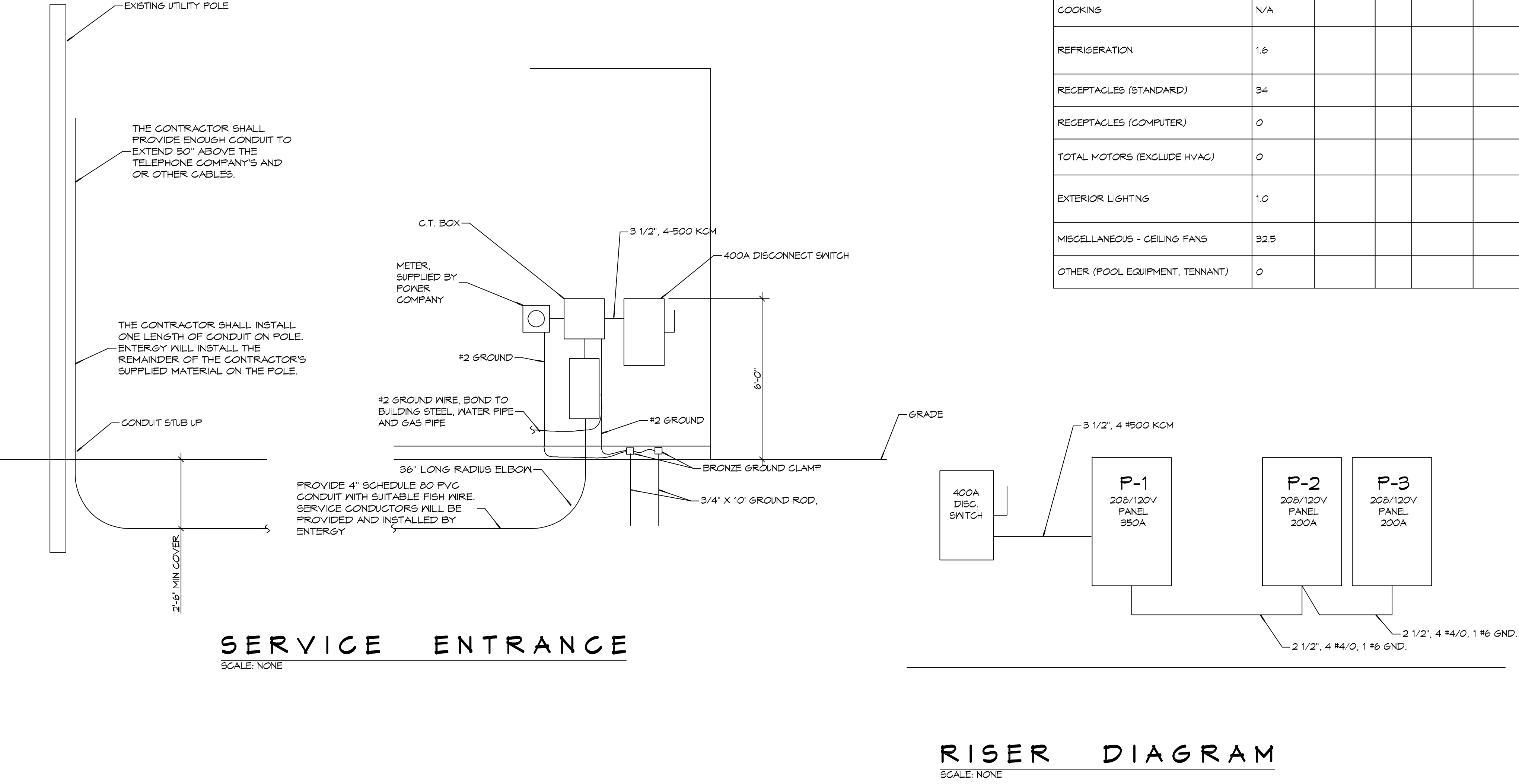
DRAWING NUMBER:

E100

PANEL SCHEDULE											
PANEL: P1			VOLTAGE: 208/120V, 350A, 3Ø, 4W MAIN BREAKER			ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQUARE D, I-LINE PANELBOARD			AG = 22,000		
LOCATION: ELECTRICAL ROOM			FEEDER SOURCE: UTILITY								
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO		
		LOCATION	AMP POLE			POLE AMP	LOCATION				
1				16970	4800				2		
3	250KCM	PANELS "P2" AND "P3"	200 3	18090	4800	3 30	CREMATOR NO. 1	#6	4		
5				16840	4800				6		
7				950	4800				8		
4	#12	BODY COOLER	15 3	950	4800	3 50	CREMATOR NO. 2	#6	10		
11				950	4800				12		
13									14		
15		SPARE	40 3			3 30	SPARE		16		
11									18		
14	#10	HVAC NO. 1	30 2	1800			SPACE		20		
21				1800					22		
23	#6	HVAC NO. 2	50 2	2400			SPACE		24		
25				2400					26		
21	#10	HVAC NO. 3	30 2	1800	1800	2 40	CONDENSER UNIT NO. 2	#6	28		
24				1800	1800				30		
31	#6	HVAC NO. 4	50 2	2400	1200	2 30	CONDENSER UNIT NO. 3	#12	32		
33				2400	1200				34		
35	#6	HVAC NO. 5	50 2	2400	1600	2 40	CONDENSER UNIT NO. 4	#6	36		
37				2400	1600				38		
34	#12	CONDENSER UNIT NO. 1	15 2	460	450	2 20	CONDENSER UNIT NO. 5	#10	40		
41				460	450				42		
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = 118,920				GROUND BUS GROUND WIRE (G)			
				AG = 40,820				BG = 38,680			
								CG = 39,420			

PANEL SCHEDULE											
PANEL: P2			VOLTAGE: 208/120V, 200A, 3Ø, 4W M/MLO			ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER			AG = 22,000		
LOCATION: ELECTRICAL ROOM			FEEDER SOURCE: PANEL P-1								
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO		
		LOCATION	AMP POLE			POLE AMP	LOCATION				
1	#12	RECEPTACLES, EXTERIOR	20 1	900	1000	1 20	RECEPTACLES, DRESSING ROOM, RESTROOMS, 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	1620	1 20	RECEPTACLES, CENTER OFFICES	#12	6		
7	#12	DEDICATED RECEPTACLE, PREP ROOM	20 1	1200	1200	1 20	RECEPTACLE, WOMENS REST ROOM	#12	8		
4	#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	1080	1 20	RECEPTACLES, CHAPEL AND SOUND ROOM	#12	12		
13	#12	RECEPTACLES, OFFICE	20 1	720	1080	1 20	RECEPTACLES, OFFICE 2 AND LOBBY	#12	14		
15	#12	RECEPTACLES, PROCESSING AREA, OFFICE AND UTILITIES	20 1	900	1080	1 20	RECEPTACLES, OFFICE 1 AND OFFICE 2	#12	16		
17	#12	RECEPTACLES, MERCH ROOM	20 1	1080	1260	1 20	RECEPTACLES, COFFEE LOUNGE	#12	18		
14	#12	RECEPTACLES, MECHANICAL RM	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/ CREMATOR	20 1	900	1200	1 20	DEDICATED RECEPTACLE, SOUND ROOM	#12	24		
25	#12	RECEPTACLES, ATTIC	20 1	1260	1200	1 20	DEDICATED RECEPTACLE, SOUND ROOM	#12	26		
27	#12	CONTROL POWER TO CREMATOR NO. 1	15 1	500	1200	1 20	DEDICATED RECEPTACLE, SOUND ROOM	#12	28		
24	#12	CONTROL POWER TO CREMATOR NO. 2	15 1	500	500	1 15	CONTROL POWER GAS WATER HEATER	#12	30		
31	#12	BODY COOLER, EVAPORATOR AND LIGHTS	20 1	500	500	1 20	LOUVERED VENT CREMATOR	#12	32		
33	#10	3ØA RECEPTACLE FOR PROCESSING STATION	30 1	2500	500	1 20	LOUVERED VENT CREMATOR	#12	34		
35	#12	CONTROL POWER TO KEY SWITCH CREMATOR VIEWING ROOM	15 1	500					36		
37									38		
34									40		
41									42		
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = 31,560				GROUND BUS GROUND WIRE (G)			
				AG = 12,220				BG = 14,300			
								CG = 11,040			

PANEL SCHEDULE											
PANEL: P3			VOLTAGE: 208/120V, 200A, 3Ø, 4W M/MLO			ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER			AG = 22,000		
LOCATION: ELECTRICAL ROOM			FEEDER SOURCE: PANEL P1								
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO		
		LOCATION	AMP POLE			POLE AMP	LOCATION				
1	#12	LIGHTS, DRESSING ROOM AND CORRIDOR	20 1	1000	1500	1 20	LIGHTS, RESTROOMS	#12	2		
3	#12	LIGHTS, ELECTRICAL ROOM UNISEX RESTROOM AND OFFICES	20 1	1100		1 20	SPARE		4		
5	#12	LIGHTS, CORRIDOR	20 1	800	1000	1 20	LIGHTS, LOBBY	#12	6		
7	#12	LIGHTS, CHAPEL	20 1	1100		1 20	SPARE	#12	8		
4	#12	LIGHTS, CENTER OFFICES AND SOUND ROOM	20 1	700	1000	1 20	LIGHTS, MERCH ROOM AND OFFICES	#12	10		
11	#12	LIGHTS, VIEWING ID ROOM AND COFFEE LOUNGE	20 1	1600	900	1 20	LIGHTS, FRONT PORCH	#12	12		
13	#12	SPARE	20 1		400	1 20	LIGHTS, ATTIC	#12	14		
15	#12	LIGHTS, HOLDING, OFFICES, STORAGE ROOM	20 1	500		20	SPARE	#12	16		
17	#12	LIGHTS, RECEIVING, CREMATOR	20 1	1100					18		
14	#12	OUTSIDE LIGHTS, REAR THROUGH LIGHTING CONTACTOR	20 1	350					20		
21	#10	PARKING LOT LIGHTS THROUGH LIGHTING CONTACTOR	20 2	450					22		
23				450					24		
25									26		
27									28		
24									30		
31									32		
33									34		
35									36		
37									38		
34									40		
41									42		
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = 13,150				GROUND BUS GROUND WIRE (G)			
				AG = 4,350				BG = 3,750			
								CG = 5,050			



ELECTRICAL LOAD SUMMARY

ENERGY 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:	19 TONS			
LARGEST MOTOR:	HP			
(NOTE: MOTORS ABOVE 20HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE W/ 120/240V, 1Ø, 3Ø SERVICE)				
TOTAL BUILDING SQ FT:	11000	SF		
INDIVIDUAL UNIT SQUARE FOOTAGE:		SF (MULT OCCUPANCY)		
INDIVIDUAL UNIT DESIGNATION:		(MULT OCCUPANCY)		
LOAD SOURCE	Ø-KVA	3Ø-KVA	OR	Ø-KVA 3Ø-KVA
BUILDING LIGHTING	14.0			
ELECTRIC WATER HEATING	0.0			
HEAT PUMPS				
SUPPLEMENTAL HEAT SYSTEMS				
AIR COND CONDENSING UNITS	11.6			
ELEC HEATING (PRIMARY) - AHU'S	24.6			
COOKING	N/A			
REFRIGERATION	1.6			
RECEPTACLES (STANDARD)	34			
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
554 Old Spanish Trail
Slidell, LA 70458
PH: 985.649.5832

Chief Engineer: Brian Mischel, PE

DATE: 10-15-2020

2846 DATE: 2846

AP/JAG/MK CHECKED BY: AP

STATE OF LOUISIANA
RICKEY JOHN KASTNER, JR.
License No. 37684

10/21/2020

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB NO: 2846

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:
E105

SHEET No: 21 of 21