PANEL SCHEDULE

PANEL: MDP
LOCATION: EQUIPMENT ROOM
FEEDER SOURCE: UTILITY COMPANY

VOLTAGE: 208/120V, 3Ø2W, 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	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#8	AC-1	35	2	1750	●		1750	2	35	AC-2	#8	2
3					1750		●	1750					4
5	#8	AC-3	35	2	1750	●		1750	2	35	AC-4	#8	6
7					1750		●	1750					8
9	#8	AC-5	35	2	1750	●		1750	2	35	AC-6	#8	10
11					1750		●	1750					12
13	#8	AC-7	35	2	1750	●		1750	2	35	AC-8	#8	14
15					1750		●	1750					16
17	#8	AC-9	35	2	1500	●		1500	2	30	WATER HEATER	#10	18
19					1500		●	1500					20
21	#4/0	PANEL PP1	200	2	14120	●							22
23					15500		●						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) = 63,620
AØ = 31,120 | BØ =32,500

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP1
LOCATION: EQUIPMENT ROOM
FEEDER SOURCE: UTILITY COMPANY

VOLTAGE: 208/120V, 2Ø2W, 1Ø, 3W W/MGB
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	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800	●		800	1	20	RECEPTACLE, PULPET	#12	2
3	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800		●	800	1	20	RECEPTACLE, PULPET	#12	4
5	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800	●		800	1	20	RECEPTACLE, PULPET	#12	6
7	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800		●	180	1	20	RECEPTACLE, AUDITORIUM TV	#12	8
9	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800	●		180	1	20	RECEPTACLE, AUDITORIUM TV	#12	10
11	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800		●	1620	1	20	RECEPTACLES, AUDITORIUM AND CRY ROOM	#12	12
13	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800	●		1440	1	20	RECEPTACLES, LOBBY, CORRIDOR AND CLOSETS	#12	14
15	#12	RECEPTACLE, AUDITORIUM CEILING	20	1	800		●	1200	1	20	RECEPTACLE, MENS ROOM	#12	16
17	#12	RECEPTACLES, CLASSROOM 109	20	1	900	●		1200	1	20	RECEPTACLE, WOMENS ROOM	#12	18
19	#12	RECEPTACLES, CLASSROOMS 110	20	1	900		●	1200	1	20	RECEPTACLE, DRINKING FOUNTAIN	#12	20
21	#12	RECEPTACLES, CLASSROOMS 111	20	1	900	●		800	1	20	RECEPTACLE, SOUND ROOM	#12	22
23	#12	RECEPTACLES, CLASSROOMS 112	20	1	900		●	800	1	20	RECEPTACLE, SOUND ROOM	#12	24
25						●		800	1	20	RECEPTACLE, SOUND ROOM	#12	26
27	#12	LIGHTING, CLASSROOMS 110, 111 AND WOMENS ROOM	20	1	1100		●	1700	1	20	LIGHTING, AUDITORIUM	#12	28
29	#12	LIGHTING, CLASSROOMS 109, 112 AND MENS ROOM	20	1	1100	●		1000	1	20	LIGHTING, PULPET AND SOUND ROOM	#12	30
31	#12	LIGHTING, LOBBY, CORRIDOR AND CRY ROOM	20	1	900		●	1000	1	20	LIGHTING, EXTERIOR LEFT SIDE	#12	32
33						●		1000	1	20	LIGHTING, EXTERIOR RIGHT SIDE	#12	34
35							●						36
37						●							38
39							●						40
41						●							42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 29,620
AØ = 14,120 | BØ = 15,500

GROUND BUS
GROUND WIRE (G)

ELECTRICAL LOAD SUMMARY

ENTERGY POWER COMPANY

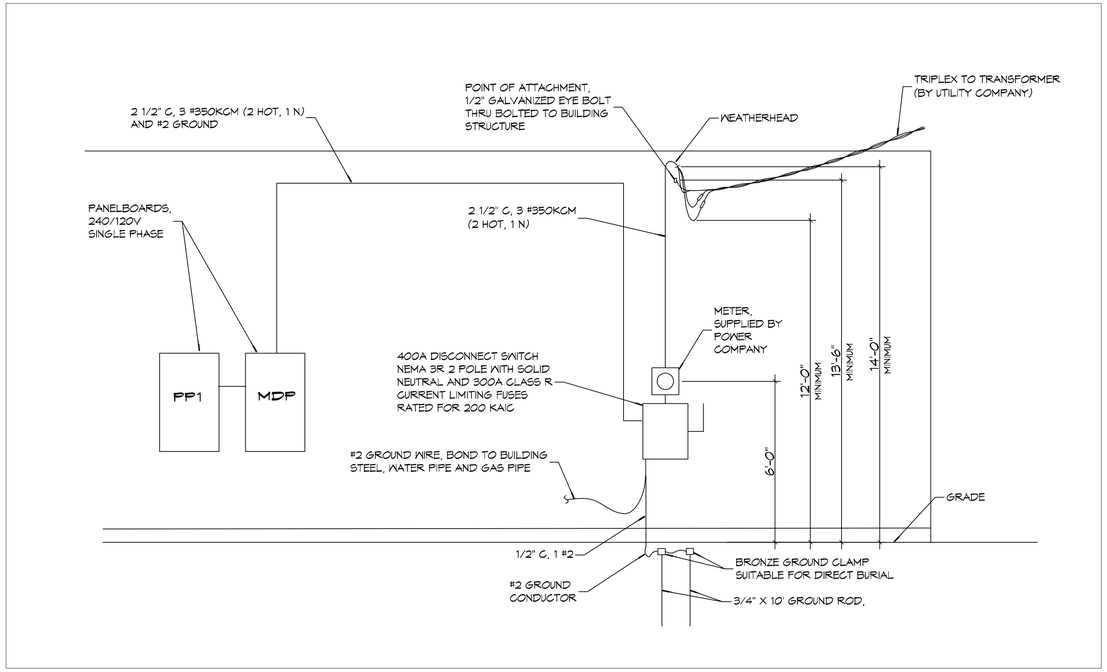
PROJECT NAME: GRACE FELLOWSHIP CHURCH
PROJECT ADDRESS:
CITY/TOWN: PEARL RIVER, LOUISIANA
INTENDED USER: CHURCH

REQ SERV: 240 V 1 PHASE 3 WIRES
SERV ENTR SIZE: 300 AMPS
HVAC TONNAGE: 31 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: 8000 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	5.8				
ELECTRIC WATER HEATING	3.0				
HEAT PUMPS	N/A				
SUPPLEMENTAL HEAT SYSTEMS	N/A				
AIR COND CONDENSING UNITS	31.0				
ELEC HEATING (PRIMARY) - AHU's	31.0				
COOKING	0.0				
REFRIGERATION	0.0				
RECEPTACLES (STANDARD)	21.8				
RECEPTACLES (COMPUTER)	N/A				
TOTAL MOTORS (EXCLUDE HVAC)	N/A				
EXTERIOR LIGHTING	2.0				
MISCELLANEOUS - CEILING FANS	N/A				
OTHER (SPECIFY)	N/A				



RISER DIAGRAM

SCALE: NONE

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
info@dammonengineering.com
PH: 985-893-3232 F: 985-845-1290

Chief Engineer: Brian Mistich, PE
934 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

THE CROSSING

64452 HIGHWAY 41,
PEARL RIVER, LA 70452

JOB No: 2394
DATE: 11/05/2019
DRAWN BY: AEP
CHECKED BY: CKD

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SHEET TITLE:
ELECTRICAL SITE PLAN
ONE LINE DIAGRAM AND
PANEL SCHEDULE

DRAWING NUMBER:
E103

SHEET No: 13 of 13

FILE NAME: J:\- CHURCHES\2389 - The Crossing\Current Drawings\E103 - Electric Circuit Points & One-Line.dwg PLOT DATE & TIME: Tuesday, November 5, 2019 11:29:27 AM