

PANEL SCHEDULE

PANEL: NPB
LOCATION: EXTERIOR WALL BY WETER
FEEDER SOURCE: CUECO

VOLTAGE: 120/240/480A, 1Ø, 90°
ENCLOSURE: 400A WBI, MOUNTED NEMA 3R IN CABINET, 400A WBI, MOUNTED NEMA 3R IN CABINET, 20000 AC

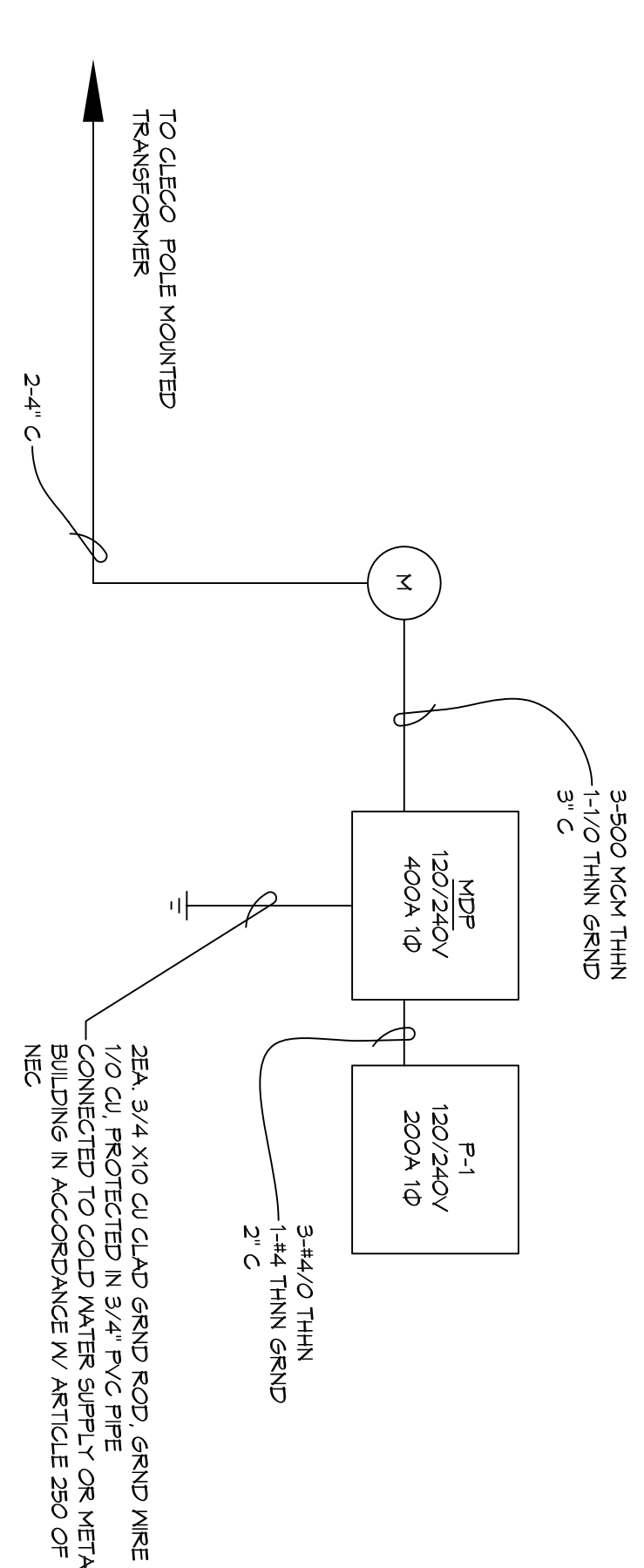
QTY	THIN WIRE NO.	THIN WIRE SIZE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)	AG	BO	LOAD (VA)	POLE	LOAD (VA)	THIN WIRE NO.	THIN WIRE SIZE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)
1	#6	5TON	ZONE 1, CONDENSER UNIT #1	50	2	6720	0	0	6720	2	7975	#4	4	ZONE 1, AHU #1 5 TON, 1Ø W/HEAT	44	2	7975
5	#6	5TON	ZONE 2, CONDENSER UNIT #1	50	2	6720	0	0	6720	2	7975	#4	6	ZONE 2, AHU #1 5 TON, 1Ø W/HEAT	44	2	7975
1	#6	5TON	ZONE 3, CONDENSER UNIT #1	50	2	6720	0	0	6720	2	7975	#4	8	ZONE 3, AHU #1 5 TON, 1Ø W/HEAT	44	2	7975
9	#6	5TON	ZONE 4, CONDENSER UNIT #1	50	2	6720	0	0	6720	2	7975	#4	10	ZONE 4, AHU #1 5 TON, 1Ø W/HEAT	44	2	7975
13	#6	5TON	ZONE 5, CONDENSER UNIT #1	50	2	6720	0	0	6720	2	7975	#4	12	ZONE 5, AHU #1 5 TON, 1Ø W/HEAT	44	2	7975
15	#6	5TON	ZONE 6, CONDENSER UNIT #1	50	2	6720	0	0	6720	2	7975	#4	14	ZONE 6, AHU #1 5 TON, 1Ø W/HEAT	44	2	7975
11	#10	3TON	50 GAL WATER HEATER N RESTROOMS & KITCHEN	30	2	4800	0	0	4800	2	5225	#6	16	50 GAL WATER HEATER N RESTROOMS & KITCHEN	20	2	5225
21	#6	40	BATTERY WATER HEATER/PUMP	40	2	2760	0	0	2760	2	190	#2	22	PANEL #1 - LOCATED IN ELECTRICAL CLOSET	20	2	2760
23	#6	40	RANGE OVEN RECEPTACLE	40	2	3420	0	0	3420	2	2760	#6	24	BATTERY POOL HEATER/PUMP	26	2	3420
25	#6	40	RANGE OVEN RECEPTACLE	40	2	3420	0	0	3420	2	2760	#6	26	BATTERY POOL HEATER/PUMP	26	2	3420
27	#6	40	RANGE OVEN RECEPTACLE	40	2	3420	0	0	3420	2	2760	#6	28	BATTERY POOL HEATER/PUMP	26	2	3420
29	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	30	PTAC N OFFICE #1	20	2	1760
31	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	32	PTAC N OFFICE #1	20	2	1760
33	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	34	PTAC N OFFICE #1	20	2	1760
35	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	36	PTAC N OFFICE #1	20	2	1760
37	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	38	PTAC N OFFICE #1	20	2	1760
39	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	40	PTAC N OFFICE #1	20	2	1760
41	#12	20	PTAC N OFFICE #1	20	2	1760	0	0	1760	2	190	#12	42	PTAC N OFFICE #1	20	2	1760
TOTAL CONNECTED LOAD (VA) = 103546												GROUND BUS (Ø)		GROUND WIRE (Ø)			
AG = 51734												BO = 51734					

PANEL SCHEDULE

PANEL: F1 (REAR/ST PANEL)
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: CUECO

VOLTAGE: 120/240/480A, 1Ø, 90°
ENCLOSURE: 400A WBI, MOUNTED NEMA 3R IN CABINET, 400A WBI, MOUNTED NEMA 3R IN CABINET, 20000 AC

QTY	THIN WIRE NO.	THIN WIRE SIZE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)	AG	BO	LOAD (VA)	POLE	LOAD (VA)	THIN WIRE NO.	THIN WIRE SIZE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)
1	#12	20	RECEPTACLES, EAST SIDE OF SANITARY CENTER REST ROOM	20	1	360	0	0	360	1	20	#12	2	ADJO VIDEO ROOM ON 2ND FLOOR	20	1	360
9	#12	20	RECEPTACLES, WEST SIDE OF RESTROOM (TOILET, MEN'S ROOM)	20	1	360	0	0	360	1	20	#12	4	DEDICATED RECEPTACLE IN ADJO VIDEO ROOM FLOOR	20	1	360
5	#12	20	RECEPTACLES, 2ND FLOOR LOBBY & MECH ROOM	20	1	360	0	0	360	1	20	#12	6	DEDICATED RECEPTACLE IN LOBBY & MECH ROOM	20	1	360
7	#12	20	RECEPTACLES, CLASSROOM GRACES 1 - 3 5th HALL	20	1	360	0	0	360	1	20	#12	8	DEDICATED RECEPTACLE IN CLASSROOM	20	1	360
9	#12	20	RECEPTACLES, CLASSROOM GRACES 4 - 7, REPT. MECH. HOP	20	1	360	0	0	360	1	20	#12	10	DEDICATED RECEPTACLE IN REPT. MECH. HOP	20	1	360
11	#12	20	RECEPTACLES, RESTROOM N	20	1	360	0	0	360	1	20	#12	12	RECEPTACLES IN COPY ROOM	20	1	360
13	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 8 - 12, 5th HALL	20	1	360	0	0	360	1	20	#12	14	RECEPTACLES IN ADULT'S RM, 1st FLOOR	20	1	360
15	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 13 - 15, 5th HALL	20	1	360	0	0	360	1	20	#12	16	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
17	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 16 - 18, 5th HALL	20	1	360	0	0	360	1	20	#12	18	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
19	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 19 - 21, 5th HALL	20	1	360	0	0	360	1	20	#12	20	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
21	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 22 - 24, 5th HALL	20	1	360	0	0	360	1	20	#12	22	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
23	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 25 - 27, 5th HALL	20	1	360	0	0	360	1	20	#12	24	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
25	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 28 - 30, 5th HALL	20	1	360	0	0	360	1	20	#12	26	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
27	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 31 - 33, 5th HALL	20	1	360	0	0	360	1	20	#12	28	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
29	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 34 - 36, 5th HALL	20	1	360	0	0	360	1	20	#12	30	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
31	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 37 - 39, 5th HALL	20	1	360	0	0	360	1	20	#12	32	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
33	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 40 - 42, 5th HALL	20	1	360	0	0	360	1	20	#12	34	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
35	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 43 - 45, 5th HALL	20	1	360	0	0	360	1	20	#12	36	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
37	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 46 - 48, 5th HALL	20	1	360	0	0	360	1	20	#12	38	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
39	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 49 - 51, 5th HALL	20	1	360	0	0	360	1	20	#12	40	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
41	#12	20	RECEPTACLES, OFFICE CLASSROOM GRACES 52 - 54, 5th HALL	20	1	360	0	0	360	1	20	#12	42	RECEPTACLES IN NORTH KITCHEN WALL, 4th FLOOR	20	1	360
TOTAL CONNECTED LOAD (VA) = 54500												GROUND BUS (Ø)		GROUND WIRE (Ø)			
AG = 11250												BO = 11250					



1 ONE LINE DIAGRAM
SCALE: NTS

ELECTRICAL LOAD SUMMARY

ENERGY POWER COMPANY

PROJECT NAME: BAYOU BAPTIST CHURCH, SLIDELL, LOUISIANA
PROJECT ADDRESS: 1341 SULLIVAN DRIVE, SLIDELL, LA 70460
CITY/TOWN: SLIDELL, LA 70460
INTENDED USER: CHURCH MEMBERS

REQ. SERVI: 208 V 1 PHASE 2 WIRES
SERV. ENTR. SIZE: 400 AMPS
HVAC TONNAGE: 20 TONS
LARGEST MOTOR: HP

NOTE: MOTORS ABOVE 20HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE IN 120/240V, 1Ø, 3W SERVICE

TOTAL BUILDING SQ. FT.: 6500 SF
INDIVIDUAL UNIT SQUARE FOOTAGE: SF (MULTI OCCUPANCY)
INDIVIDUAL UNIT DESIGNATION: (MULTI OCCUPANCY)

LOAD SOURCE	1Ø-KVA	3Ø-KVA	R	Ø	1Ø-KW	3Ø-KW
BUILDING LIGHTING					6638	
ELECTRIC LIGHTING					19464	
HEAT PUMPS					11000	
SUPPL. EVENTUAL HEAT SYSTEMS					-	
AIR COND. CONDENSING UNITS					59760	
ELEC. HEATING (PRIMARY) - AHUS					60600	
COOKING					1000	
REFRIGERATION					360	
RECEPTACLES (STANDARD)					5760	
RECEPTACLES (COMPUTER)					-	
TOTAL MOTORS (EXCLUDE HVAC)					210	
EXTERIOR LIGHTING					-	
MISCELLANEOUS - CEILING FANS					-	
OTHER (SPECIFY) - PTAC					3500	

RENOVATION

BAYOU BAPTIST CHURCH

1341 SULLIVAN DR.
SLIDELL, LA 70460

JOB No: 2274 DATE: 05/06/2016
DRAWN BY: JHM CHECKED BY: BAM

SHEET TITLE: ELECTRICAL PANEL SCHEDULE ONE-LINE DIAGRAM & LOAD SUMMARY
DRAWING NUMBER:

E103

REVISIONS

#	DESCRIPTION	DATE

SEAL:

DAMMON

ENGINEERING, INC.

LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mistich, PE
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