

PANEL SCHEDULE

PANEL: VBP
LOCATION: EXTERIOR WALL BY VESTIBULE
FEEDER SOURCE: CLECO

VOLTA-GES: 120/240V, 400A, 1Ø, 90%
ENCLOSURE: SQUARE MOUNTED NEMA 1P PANEL, 400A VBP, MEDIUM SWD BAR, 25000 AC

CUT WIRE NO	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER AMP	LOAD (VA)	POLE	BREAKER POLE AMP	LOAD (VA)	POLE	BREAKER POLE AMP	LOAD DESCRIPTION	THIN WIRE SIZE	CUT WIRE NO
1	#6	ZONE 1 CONDENSER UNIT #1	50	6750	2	70	1575	2	70	ZONE 1, UNIT #1, 5 TON, 15 BU HEAT	#4	2
3	#6	ZONE 2 CONDENSER UNIT #1	50	6750	2	70	1575	2	70	ZONE 2, UNIT #1, 5 TON, 15 BU HEAT	#4	4
5	#6	ZONE 3 CONDENSER UNIT #2	50	6750	2	70	1575	2	70	ZONE 3, UNIT #2, 5 TON, 15 BU HEAT	#4	6
1	#6	ZONE 4 CONDENSER UNIT #3	50	6750	2	70	1575	2	70	ZONE 4, UNIT #3, 5 TON, 15 BU HEAT	#4	8
6	#6	ZONE 5 CONDENSER UNIT #3	50	6750	2	70	1575	2	70	ZONE 5, UNIT #3, 5 TON, 15 BU HEAT	#4	10
11	#6	ZONE 3 CONDENSER UNIT #3	50	6750	2	70	1575	2	70	ZONE 3, UNIT #3, 5 TON, 15 BU HEAT	#4	12
13	#6	ZONE 4 CONDENSER UNIT #4	50	6750	2	70	1575	2	70	ZONE 4, UNIT #4, 5 TON, 15 BU HEAT	#4	14
15	#6	ZONE 5 CONDENSER UNIT #4	50	6750	2	70	1575	2	70	ZONE 5, UNIT #4, 5 TON, 15 BU HEAT	#4	16
17	#10	30 GAL WATER HEATER IN 2ND FLOOR RESTROOMS & KITCHEN	30	4500	2	20	5250	2	20	30 GAL WATER HEATER IN 2ND FLOOR RESTROOMS & KITCHEN	#6	18
19	#10	30 GAL WATER HEATER IN 2ND FLOOR RESTROOMS & KITCHEN	30	4500	2	20	5250	2	20	30 GAL WATER HEATER IN 2ND FLOOR RESTROOMS & KITCHEN	#6	20
21	#6	BATTERY WATER HEATER/PUMP	40	2760	2	180	2760	2	180	PANEL #1 - LOCATED IN ELECTRICAL CLOSET	#20	22
23	#6	BATTERY WATER HEATER/PUMP	40	2760	2	180	2760	2	180	PANEL #1 - LOCATED IN ELECTRICAL CLOSET	#20	24
25	#6	RANGE/OVEN RECEPTACLE	50	3420	2	40	2760	2	40	BATTERY ROOM HEATER/PUMP	#6	26
27	#6	RANGE/OVEN RECEPTACLE	50	3420	2	40	2760	2	40	BATTERY ROOM HEATER/PUMP	#6	28
29	#12	WASHER/DRYER CONDENSER UNIT	20	1760	1	20	1760	1	20	SPACE	#12	30
31	#12	WASHER/DRYER CONDENSER UNIT	20	1760	1	20	1760	1	20	SPACE	#12	32
33	#12	SPACE	20	1	1	20	1	20	20	SPACE	#12	34
35	#12	SPACE	20	1	1	20	1	20	20	SPACE	#12	36
37	#12	SPACE	20	1	1	20	1	20	20	SPACE	#12	38
39	#12	SPACE	20	1	1	20	1	20	20	SPACE	#12	40
41	#12	SPACE	20	1	1	20	1	20	20	SPACE	#12	42

TOTAL CONNECTED LOAD (VA): 108546
GROUND BUS: GROUND WIRE (Ø)

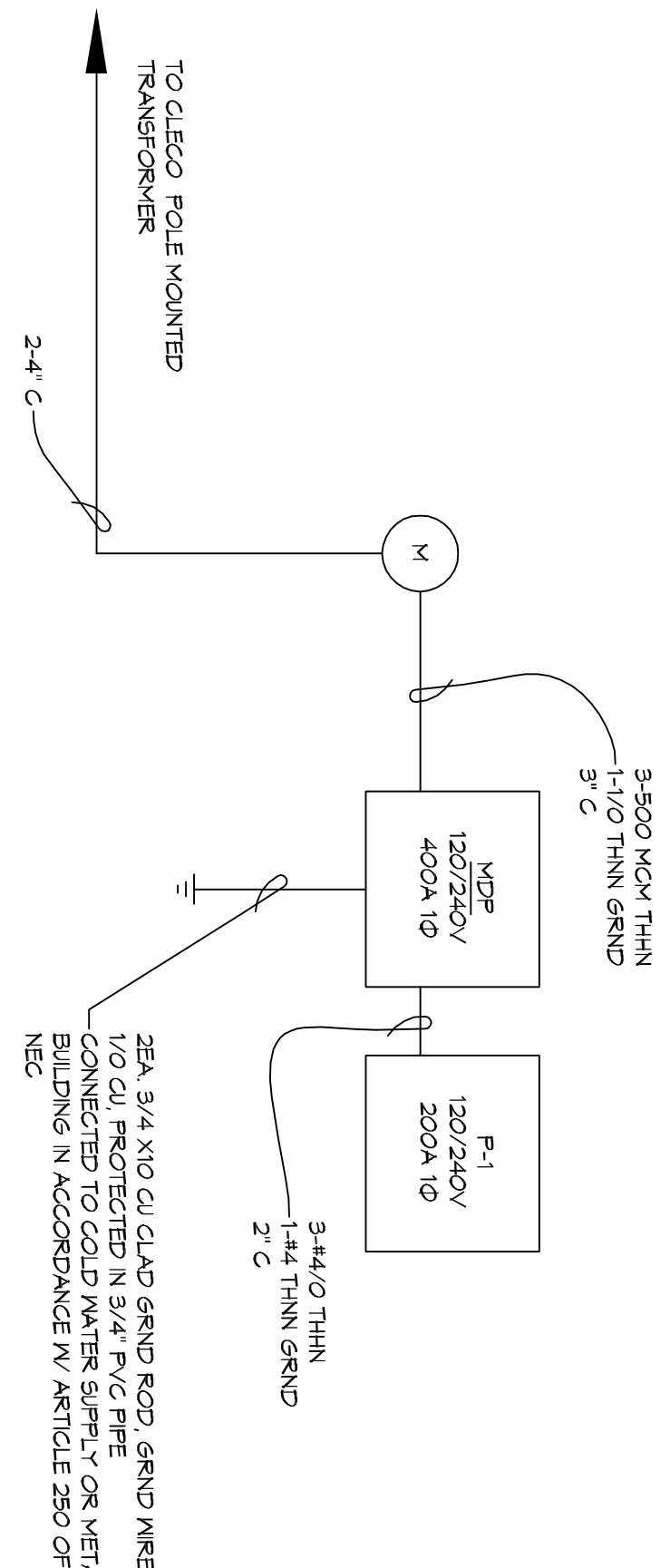
PANEL SCHEDULE

PANEL: P1 (REAR/INLET PANEL)
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: CLECO

VOLTA-GES: 120/240V, 250A, 1Ø, 90%
ENCLOSURE: SQUARE MOUNTED NEMA 1P PANEL, MEDIUM SWD BAR, 10000 AC

CUT WIRE NO	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER AMP	LOAD (VA)	POLE	BREAKER POLE AMP	LOAD (VA)	POLE	BREAKER POLE AMP	LOAD DESCRIPTION	THIN WIRE SIZE	CUT WIRE NO
1	#12	RECEPTACLE EAST SIDE OF SANITARY FOR VEST ROOM	20	360	1	20	360	1	20	AUDIO VIDEO ROOM ON 2ND FLOOR	#12	2
3	#12	RECEPTACLE WEST SIDE OF SANITARY FOR VEST ROOM	20	360	1	20	360	1	20	DEDICATED RECEPTACLE IN AUDIO VIDEO ROOM FLOOR	#12	4
5	#12	RECEPTACLE 2ND FLOOR LOBBY (ELECT. CLOSET)	20	360	1	20	360	1	20	RECEPTACLE IN PLANT CHOP LIGHT. ELEC. CLOSET	#12	6
7	#12	RECEPTACLE CLASSROOM (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	DEDICATED RECEPTACLE IN COPY ROOM	#12	8
9	#12	RECEPTACLE CLASSROOM (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE IN COPY ROOM	#12	10
11	#12	RECEPTACLE CLASSROOM (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE IN COPY ROOM	#12	12
13	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE IN PRESHOOL/NURSERY 13V EXTENSOR	#12	14
15	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE IN ADULTS RAIL F NORTH KITCHEN WALL	#12	16
17	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE IN KITCHEN	#12	18
19	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	DEDICATED RECEPTACLE FOR MICROWAVE	#12	20
21	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	22
23	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	24
25	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	26
27	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	28
29	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	30
31	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	32
33	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	34
35	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	36
37	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	38
39	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	40
41	#12	RECEPTACLE OFFICE (GRADE 1 - 3 SE HALL)	20	360	1	20	360	1	20	RECEPTACLE FOR COFFEE MAKER	#12	42

TOTAL CONNECTED LOAD (VA): 34500
GROUND BUS: GROUND WIRE (Ø)



ELECTRICAL LOAD SUMMARY

ENERGY POWER COMPANY

PROJECT NAME: BAYOU BAPTIST CHURCH, SLIDELL, LOUISIANA
PROJECT ADDRESS: 1941 SULLIVAN DRIVE, SLIDELL, LA 70460
CITY/TOWN: SLIDELL, LA 70460
INTENDED USER: CHURCH MEMBERS

REQ SERV: 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, 90% SERVICE)

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

LOAD SOURCE	1Ø-KVA	3Ø-KVA	R	1Ø-KV	3Ø-KV
BUILDING LIGHTING				6888	
ELECTRIC WATER HEATING				19464	
HEAT PUMPS				10000	
SUPPLEMENTAL HEAT SYSTEMS					
AIR COND CONDENSING UNITS				59760	
ELEC HEATING (RADIANT) - AHS				60600	
COOKING				1000	
REFRIGERATION				360	
RECEPTACLES (STANDARD)				5760	
RECEPTACLES (COMPUTER)					
TOTAL MOTORS (EXCLUDE HVAC)				210	
EXTERIOR LIGHTING					
MISCELLANEOUS - CEILING FANS					
OTHER (SPECIFY) - HVAC				3600	

SHEET NO: **E103**

17 OF 17

BAYOU BAPTIST CHURCH

1941 SULLIVAN DR.
SLIDELL, LA 70460

JOB No: 2274 DATE: 07/21/2016
DRAWN BY: NMM/JTL CHECKED BY: BAM

DAMMON ENGINEERING, INC.

LOUISIANA & MISSISSIPPI

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