PANEL SCHEDULE

PANEL: MDP
LOCATION: SERVICE ENTRANCE
FEEDER SOURCE: CLECO
VOLTAGE: 120/240V, 1,000 Amp, 1Φ, 3W
ENCLOSURE: SURFACE MOUNTED, NEMA 3R PNLBD, W/EQUIP GND BAR, 22000 AIC

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA) AΦ/BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#3	A/C UNIT #2 (5 TON) 15 kw HEAT	90	2	10200	10200	2	90	A/C UNIT #6 (6 TON) 15 kw HEAT	#3	2
3					10200	10200					4
5	#6	A/C UNIT #8 (4 TON) 10 kw HEAT	60	2	7080	7080	2	60	A/C UNIT #9 (4 TON) 10 kw HEAT	#6	6
7					7080	7080					8
9	2/0	PANEL SV1 - LOCATED IN SOUND/VIDEO ROOM	125	2	8,594	5232	2	20	30 GAL. WATER HEATER IN JANITOR'S SUPPLIES CLOSET FOR FRONT RESTROOMS	#6	10
11					7,203	5232					12
13	2/0	PANEL HP1 - LOCATED IN ELECTRICAL CLOSET	125	2	8,486	10200	2	90	A/C UNIT #1 (5 TON) 15 kw HEAT	#3	14
15					9,551	10200					16
17	3/0	PANEL HP2 - FELLOWSHIP HALL RM 132	225	2	24,715	10200	2	90	A/C UNIT #3 (6 TON) 15 kw HEAT	#3	18
19					23,354	10200					20
21	#8	EXTERIOR ISOLATED GFI 30 AMP RECEPTACLE FOR OUTSIDE COOKING	30	2	2880	10200	2	90	A/C UNIT #7 (6 TON) 15 kw HEAT	#3	22
23					2880	10200					24
25	#6	EXTERIOR ISOLATED GFI 50 AMP RECPTACLE FOR OUTSIDE COOKING	50	2	4800	4500	2	30	50 GAL. WATER HEATER IN CLOSET 120 FOR BAPTISTRY, REAR RESTROOMS & KITCHEN	#8	26
27					4800	4500					28
29	#12	SPARE	20	1	-	-	1	20	SPARE	#12	30

SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 247,047 — AΦ = 124,367 — BΦ = 122,680 — GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: HP1
LOCATION: ELECTRIC CLOSET
FEEDER SOURCE: MDP
VOLTAGE: 120/240V, 125A, 1Φ, 3W
ENCLOSURE: RECESSED, NEMA 1 PNLBD 125A MB; W/EQUIP GND BAR, 22000 AIC

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 IN WOMENS & MENS ROOMS, FOYER, & ELEC. CLOSET	20	1	1260	1800	1	20	ISOLATED J-BOX BENEATH FLOOR IN CRAWLSPACE	#12	2
3	#12	ISOLATED J-BOX IN ATTIC	20	1	1800	1260	1	20	RECEPTACLES IN THE CHURCH STORE AREA & CRY ROOM	#12	4
5	#12	RECEPTACLES IN FOYER & SOUTH SIDE OF SANCTUARY	20	1	1260	1260	1	20	RECEPTACLES IN NORTH SIDE OF SANCTUARY & CORRIDOR 111	#12	6
7	#12	RECEPTACLES IN SANCTUARY, CORRIDOR 111, & ALCOVE 116	20	1	900	1260	1	20	GFI RECEPT.S UNDER BAPTISTRY, IN RESTROOMS, & EXTERIOR	#12	8
9	#12	MENS 103 & ELECTRIC CLOSET 104 LIGHTS	20	1	656	1012	1	20	JANITOR 101, WOMENS 102, STORE 107, CRY RM. 109, & USHER 110 LIGHTS	#12	10
11	#12	EXTERIOR SIGNAGE	20	1	1800	896	1	20	CORRIDORS 108 & 111 LIGHTS	#12	12
13	#12	FOYER 100 LIGHTS	20	1	908	330	1	20	EXIT & EMERGENCY LIGHTS	#12	14
15	#12	EXTERIOR MOTION-ACTIVATED FLOOD LIGHTS	20	1	960	675	1	20	EXTERIOR WALL-MTD. LIGHTS AT ALL DOORWAYS	#12	16
17	#12	SPARE	20	1	-	-	1	20	SPARE	#12	18
19	#12	SPARE	20	1	-	-	1	20	SPARE	#12	20
21	#12	SPARE	20	1	-	-	1	20	SPARE	#12	22
23	#12	SPARE	20	1	-	-	1	20	SPARE	#12	24

SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 18,037 — AΦ = 8,486 — BΦ = 9,551 — GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: SV1
LOCATION: SOUND/VIDEO ROOM
FEEDER SOURCE: MDP
VOLTAGE: 120/240V, 125A, 1Φ, 3W
ENCLOSURE: RECESSED, NEMA 1 PNLBD 125A MB; W/EQUIP GND BAR, 22000 AIC

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	STD. RECEPTACLES IN SOUND/ VIDEO ROOM & CAMERA BOOTH	20	1	900	1440	1	20	UNDER-THE-COUNTER RECEPT.S IN SOUND/VIDEO ROOM	#12	2
3	#12	ABOVE-THE COUNTER RECEPT.S IN SOUND/VIDEO ROOM	20	1	1440	1080	1	20	RECEPTACLES FOR SPEAKERS, PROJECTORS, CAMERA & TV'S	#12	4
5	#12	RECEPTACLES FOR MUSICIANS IN MUSCIAN'S AREA	20	1	720	1440	1	20	RECEPTACLES AT STAGE LIGHTS ATTACHED TO FURR-DOWN	#12	6
7	#12	FLOOR & WALL-MTD. RECEPTACLES AT PULPIT AREA	20	1	1440	228	1	20	SOUND/VIDEO ROOM 105 & CAMERA BOOTH 106 LIGHTS	#12	8
9	#12	SOUTH SIDE OF SANCTUARY 2x4 FLUORESCENT LIGHTS	20	1	1536	1440	1	20	UNDER-THE-COUNTER RECEPT.S IN SOUND/VIDEO ROOM	#12	10
11	#12	MUSICIAN'S AREA CAN LIGHTS & 2x4 FLUORESCENT LIGHT	20	1	398	1536	1	20	NORTH SIDE OF SANCTUARY 2x4 FLUORESCENT LIGHTS	#12	12
13	#12	NORTH SIDE OF SANCTUARY & ALCOVE 116 FLUORESCENT LIGHT & CAN LIGHTS	20	1	398	720	1	20	CAN LIGHTS OVER PULPIT/STAGE	#12	14
15	#12	LIGHTS IN COMM. CLOSET 116, BAPTISTRY 117, PUMP CLOSET 118, & VESTIBULE 119	20	1	431	600	1	20	STAGE SPOT LIGHTS ATTACHED TO FURR-DOWN OVER SEATING	#12	16
17	-	SPARE	20	1	-	-	1	20	SPARE	-	18
19	-	SPARE	20	1	-	-	1	20	SPARE	-	20
21	-	SPARE	20	1	-	-	1	20	SPARE	-	22
23	-	SPARE	20	1	-	-	1	20	SPARE	-	24

SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 15,797 — AΦ = 8,594 — BΦ = 7,203 — GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: HP2
LOCATION: FELLOWSHIP HALL RM 132
FEEDER SOURCE: MDP
VOLTAGE: 120/240V, 225A, 1Φ, 3W
ENCLOSURE: RECESSED, NEMA 1, PNLBD; 225A MB; W/EQUIP GND BAR., 22000 AIC

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	#8	BAPTISTRY HEATER	40	2	2750	2750	2	40	BAPTISTRY POOL PUMP	#6	2
3					2750	2750					4
5	#6	RANGE/OVEN RECEPTACLE	50	2	3420	3420	2	50	RANGE/OVEN RECEPTACLE	#6	6
7					3420	3420					8
9	#12	RECEPTACLES IN CLERK'S OFFICE 124 & CLASSROOM 125	20	1	1080	1800	1	20	DEDICATED FREEZER RECEPTACLE IN KITCHEN 136	#12	10
11	#12	DEDICATED MICROWAVE RECEPTACLE IN KITCHEN 136	20	1	1800	1800	1	20	DEDICATED DISHWASHER RECEPTACLE IN KITCHEN 136	#12	12
13	#12	STANDARD RECEPTACLES IN KITCHEN 136	20	1	900	1800	1	20	DEDICATED DISHWASHER RECEPTACLE IN KITCHEN 136	#12	14
15	#12	RECEPTACLES IN FELLOWSHIP HALL 132	20	1	1260	360	1	20	DEDICATED COFFEE MAKER RECEPTACLE IN KITCHEN 136	#12	16
17	#12	RECEPTACLES IN CORRIDOR 131 & CLASSROOM 133	20	1	1080	1260	1	20	RECEPTACLES IN PASTOR'S OFFICE 123 & CLERK'S OFFICE 124	#12	18
19	#12	RECEPTACLES IN FELLOWSHIP HALL 132 & EXTERIOR GFI	20	1	1260	1800	1	20	DEDICATED REFRIGERATOR RECEPTACLE IN KITCHEN 136	#12	20
21	#12	GFI RECEPTACLES IN TOILET 121 & EXTERIOR	20	1	540	1260	1	20	RECEPTACLES IN CORR. 126, CLASSROOM 127, & CORR. 128	#12	22
23	#12	WOMENS RESTROOM 129 & MENS RESTROOM 130 LIGHTS	20	1	456	1126	1	20	FELLOWSHIP HALL 132 LIGHTS	#12	24
25	#12	CLOSET 120, TOILET 121, & CLOSET 122 LIGHTS & EXH. FAN	20	1	223	1536	1	20	OFFICE 123, OFFICE 124, CLASSROOM 125, & KITCHEN 136 LIGHTS	#12	26
27	#12	CLASSROOM 127, CLASSROOM 133, CHOIR SUPPLY 134, & KITCHEN SUPPLY 135 LIGHTS	20	1	1152	-	1	20	SPARE	#12	28
29	#12	CORRIDOR 126, CORRIDOR 128, & CORRIDOR 131 LIGHTS	20	1	896	-	1	20	SPARE	#12	30
31	#12	SPARE	20	1	-	-	1	20	SPARE	#12	32
33	#12	SPARE	20	1	-	-	1	20	SPARE	#12	34
35	#12	SPARE	20	1	-	-	1	20	SPARE	#12	36
37	#12	SPARE	20	1	-	-	1	20	SPARE	#12	38
39	#12	SPARE	20	1	-	-	1	20	SPARE	#12	40
41	#12	SPARE	20	1	-	-	1	20	SPARE	#12	42

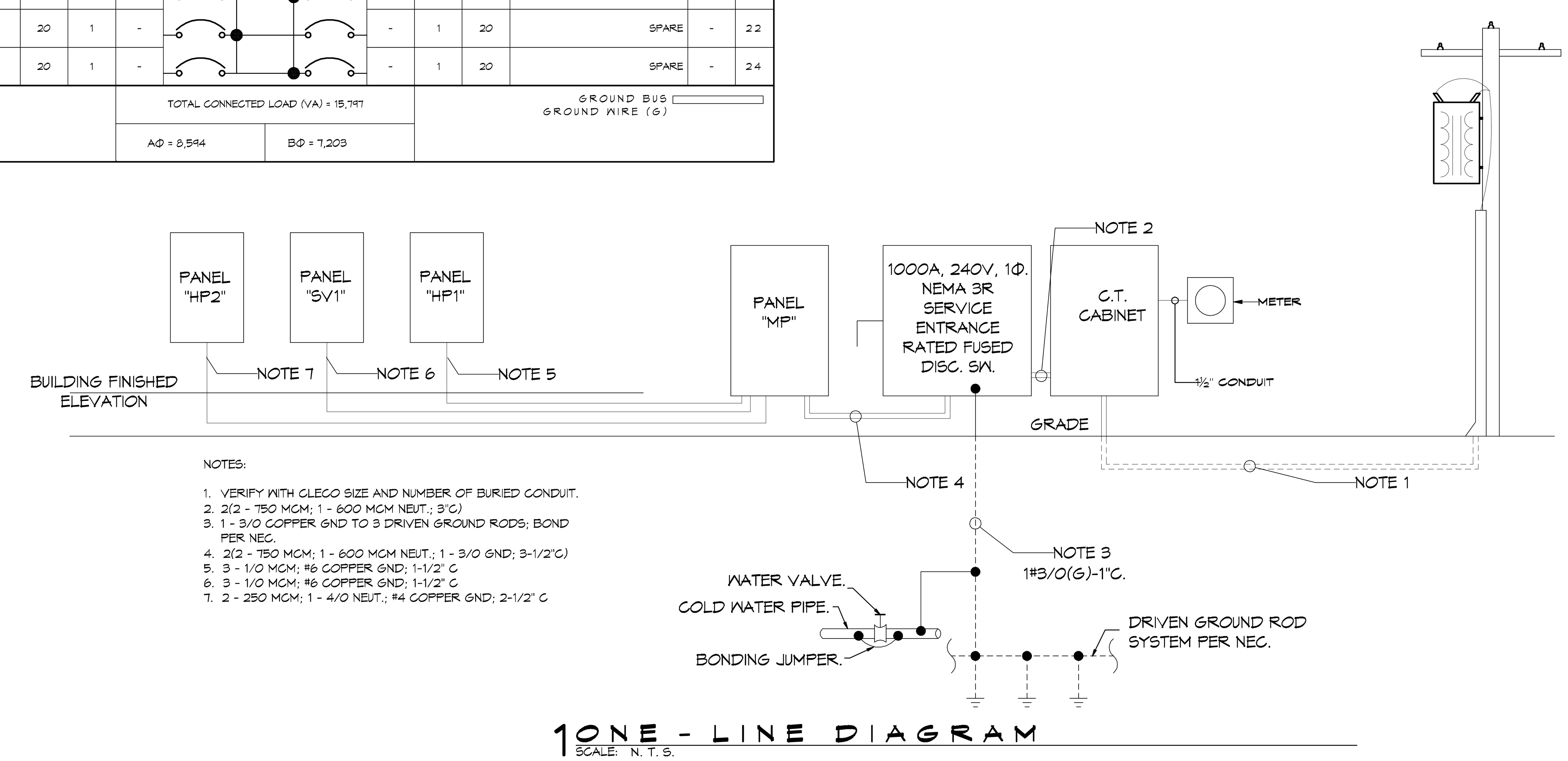
SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 48,069 — AΦ = 24,715 — BΦ = 23,354 — GROUND BUS GROUND WIRE (G)

ELECTRICAL LOAD SUMMARY

CLECO POWER COMPANY

PROJECT NAME:	CHRISTIAN LOVE CHURCH SLIDELL, LOUISIANA
PROJECT ADDRESS:	37710 LEGGETT ROAD
CITY/TOWN:	SLIDELL, LA 70460
INTENDED USER:	CHURCH MEMBERS
REQ SERV:	240 V 1 PHASE 2 WIRES
SERV ENTR SIZE:	1000 AMPS
HVAC TONNAGE:	36 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:	9293 SF

LOAD SOURCE	1Φ-KVA	3Φ-KVA	OR 1Φ-KW	3Φ-KW
BUILDING LIGHTING			15038	
ELECTRIC WATER HEATING			24964	
HEAT PUMPS			-	
SUPPLEMENTAL HEAT SYSTEMS			-	
PACKAGED AIR COND. UNITS			130320	
COOKING			13680	
REFRIGERATION			3600	
RECEPTACLES (STANDARD)			48840	
RECEPTACLES (COMPUTER)			-	
BAPTISTRY HEATER			5500	
BAPTISTRY CIRCULATION PUMP			5500	
EXTERIOR LIGHTING			1635	
MISCELLANEOUS - EXTERIOR SIGN(S)			1800	



NOTES:

1. VERIFY WITH CLECO SIZE AND NUMBER OF BURIED CONDUIT.
2. 2(2 - 750 MCM; 1 - 600 MCM NEUT.; 3"C)
3. 1 - 3/0 COPPER GND TO 3 DRIVEN GROUND RODS; BOND PER NEC.
4. 2(2 - 750 MCM; 1 - 600 MCM NEUT.; 1 - 3/0 GND; 3-1/2"C)
5. 3 - 1/0 MCM; #6 COPPER GND; 1-1/2" C
6. 3 - 1/0 MCM; #6 COPPER GND; 1-1/2" C
7. 2 - 250 MCM; 1 - 4/0 NEUT.; #4 COPPER GND; 2-1/2" C

1 ONE - LINE DIAGRAM
SCALE: N. T. S.

REVISIONS

#	DESCRIPTION	DATE

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JOB No: 2295	DATE: 09/09/2016
DRAWN BY: JTL	CHECKED BY: BAM

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SHEET TITLE: CIRCUIT PANELS AND ONE-LINE DIAGRAM

DRAWING NUMBER: E103