

E-0020-1 (1) SH 2

480 VOLT MCC
108471

H

DIESEL GENERATOR AREA										MOTOR CONTROL CENTER 108471										LOCATION: AUX. BUILDING, EL. 130'-0"									
MCC UNIT NO.	NAMEPLATE LINE 1 & 2	STYLE 2	SCHME. NO.	LOAD HP OR KVA	FLA LRA	CIRCUIT BREAKER	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP
011	INCOMING LINE		180164																										
012	SPARE																												
013	DIESEL FUEL OIL TRANSFER PUMP		100665	5	11	1M	150	25	66-190	80	2	1	FVNR	H1022(LO)	#12	HS-9547C	10C483	E-2550-0	5-(1)										
014	BACKUP PWR SPLY TO CLASS 1E INSTR INV		100540	20 KVA		TM	150	30	NON-ADJUSTABLE									E-2750-0	5-(2)										
015	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
016	CLASS 1E INSTR INV		100481	20 KVA		TM	150	30	NON-ADJUSTABLE									E-2750-0	5-(2)										
017	CLASS 1E INSTR INV		100481	20 KVA		TM	150	30	NON-ADJUSTABLE									E-2750-0	5-(2)										
018	BATTERY CHARGER		100481	47 KVA		TM	150	70	NON-ADJUSTABLE									E-2750-0	5-(2)										
019	BACKUP PWR SPLY TO CLASS 1E INSTR INV		100540	20 KVA		TM	150	30	NON-ADJUSTABLE									E-2750-0	5-(2)										
020	SECURITY SYSTEM INV		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
021	DIESEL AREA BATTERY		100481	20 KVA		TM	150	30	NON-ADJUSTABLE									E-2750-0	5-(2)										
022	SWITCHGEAR ROOM		100481	25	11	1M	150	50	160-480	320	7	2	FVNR	H1043(LO)	#6	HS-9384B	10C281	E-4465-0	5-(34)										
023	DIESEL AREA BATTERY		100481	20 KVA		TM	150	30	NON-ADJUSTABLE									E-2750-0	5-(2)										
024	SWITCHGEAR ROOM		100481	25	11	1M	150	50	160-480	320	7	2	FVNR	H1043(LO)	#6	HS-9384B	10C281	E-4465-0	5-(34)										
025	UNIT COOLER FAN		100481	15	19.5	1M	150	50	160-480	320	7	2	FVNR	H1043(LO)	#6	HS-9384B	10C281	E-4465-0	5-(34)										
026	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
027	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
028	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
029	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
030	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
031	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
032	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
033	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
034	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
035	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
036	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
037	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
038	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
039	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
040	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
041	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
042	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
043	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
044	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
045	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
046	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
047	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
048	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
049	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
050	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
051	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
052	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
053	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
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067	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
068	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
069	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
070	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
071	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
072	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
073	CONTROL ROOM SUPPLY		100495	13 KW		TM	150	25	NON-ADJUSTABLE									E-2750-0	5-(2)										
074	BATTERY ROOM DUCT		100540	12 KW		TM	150	20	NON-ADJUSTABLE									E-4465-0	5-(28)										

ABBREVIATIONS:

IM - INSTANTANEOUS MAGNETIC
TM - THERMAL MAGNETIC
FVNR - FULL VOLTAGE NON-REVERSING
FVR - FULL VOLTAGE REVERSING
T - TRI-PLY CABLE
S - SINGLE CONDUCTOR CABLE

REFERENCE DRAWINGS:

VENDOR'S DWG. NOS. 10855-118(1)-11, 10855-118(1)-12, 10855-118(1)-13

NOTES:

- ALL PWR. CABLES SHALL BE 3/0 UNLESS OTHERWISE NOTED.
- CIRCUIT BREAKER TRIP SETTINGS SHOWN ARE PRELIMINARY. FINAL SETTINGS SHALL BE DETERMINED BY FIELD.
- FIELD CONNECTIONS SHALL BE FROM PHASES A & C.

4. FIELD CONNECTIONS SHALL BE FROM PHASES B & C

5. MOTOR SERVICE FACTOR IS 1.15 AND SELECTION OF OVERLOAD HEATERS IS BASED ON 125% OF THE RATED MOTOR CURRENT.

6. NAMEPLATES OF ALL SPARE CIRCUITS ARE BLANK.

7. REFERENCE NOTATION

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PDR RIDS

8402230049

