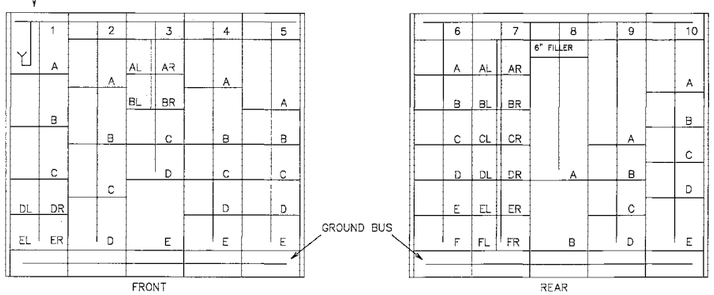
DWG.NO. 201-063	SH. 1

REVISIONS		
REV	ZONE	DESCRIPTION
29	VAR	REVISED TO INCORPORATE ECR 12-00332 REV.001 (RCM TECHNOLOGIES)

UNIT NO.	CIRCUIT IDENTIFICATION	LOAD				BREAKER			STARTER			AUX. SWS.		CONT. PWR. TR.	WIRE SIZE	C.A.I. ELEM. DWG.	I.T.E. IMPERIAL			REMARKS	NOTES
		H.P. KW KVA	RPM.	AMPS F.L.	AMPS L.R.	FRAME SIZE	SET.	AMP RATING	SIZE	REV. OR N.R.	HTR.	N.O.	N.C.				HT.	WIRE DIA.	ABC CONT FUSE (NOTE 7)		
1A	INCOMING LINE																01				
1B	N.R. PUMP DISCHARGE VALVE NRV-1C	.066	900	.45	1.45	HE3	LO	A010	1	REV.	FH12	2/2	2/2	150	#10	SS-208-486	18	B1-8-20	2	ENGD. SFGDS.	6
1C	REACT. BLDG. EMERG. COOL. PP. DISCHARGE VALVE RRV-1B	.166	900	1.5		HE3	LO	A010	1	REV.	FH19			150	#10	SS-208-493	18	B1-8-20	2	ENGD. SFGDS.	6
1DL	N.R. WATER PUMP DISCHARGE STRAINER NR-S-1C	1	870	2.3	8.35	HE3		M015							#10		12			ENGD. SFGDS.	
1DR	SCREEN AND RAKE CONTROL POWER SUPPLY					HE3		M015							#10	SS-209-715					
1EL	D.R. WATER PUMP DISCHARGE STRAINER DR-S-1B	1 1/2	855	2.8	12.1	HE3		M015							#10		12			ENGD. SFGDS.	
1ER	R.R. WATER PUMP DISCHARGE STRAINER RR-S-1B	1	870	2.3	8.35	HE3		M015							#10					ENGD. SFGDS.	
											29					29					
2A	SEC. SRV. BACKUP VALVE NRV-7	1.0	1725	2.0	13.1	29 HE3	LO	A010	1	REV.	FH25	2/2	2/2	150	#10	SS-208-445 SH 3	18	B1-8-20		SEP. REQ'D.	6
2B	S.R. PUMP DISCHARGE VALVE SRV-1B	.066	900	.47		HE3	LO	A010	1	REV.	H08	2/2	2/2	150	#10	SS-208-472	18	B-8-20	1	SEP. REQ'D.	6
2C	S.R. PUMP DISCHARGE VALVE SRV-1C	.066	900	.47		HE3	LO	A010	1	REV.	H08	2/2	2/2	150	#10	SS-208-472	18	B-8-20	1	SEP. REQ'D.	6
2D	B TRAVELING SCREEN SR-S-3B	2	1745 450	2.7 1.7		HE3	LO	A010	1	N.R.	FH28 H23	2/2	2/2	150	#10	SS-208-664	18	D-8-20	2	2 SPEED, 2 WIND.	6
3AL	SPACE																12	C			
3AR	SCREEN HOUSE OVERHEAD DOORS (4)	1/2	1725			HE3		M015							#10						
3BL	FEEDER - B BAR RAKE SR-S-2B	3	1800	4.95		HE3		M015							#10		12				
3BR	SPARE					HE3		M015													
3C	B SCREEN HOUSE VENT. EQUIP. PP. SW-P-2B	15	1800	19.6		HE3	LO	H050	2	N.R.	H49	3	2	100	#10	SS-208-633	12	A-15	1		6
3D	B AIR HANDLING UNIT FAN AH-E-27B	15	1800	20		HE3	LO	H050	2	N.R.	H50	3	2	100	#10	SS-208-631	12	A-15	2	ENG. SAFEGUARD	6
3E																	24			24" UNUSABLE	
4A	UNUSABLE													50	#12		18	H		BUS STATUS LIGHT AT RSP 1B	4
4B																	18			18" FUTURE	
4C	LUBRICATION PUMP WT-P-33B	15	3480	18.5	140	HE3	2	L050	2	N.R.	H49	2	2	100	#8	SS-208-761	12	A-14	1		6
4D																	12			12" FUTURE	
4E																	12			12" FUTURE	
5A	SPACE																24			24" FUTURE	
5B	UNIT HEATER AH-C-20C	12.5 KW				HE3		M030	1	N.R.		2	2	75	#10	SS-208-601	12	A2-14		CONTACTOR	6
5C	CHLORINE HOUSE UNIT HEATER AH-C-18A	10 KW				HFD3		020	1	N.R.		2	2	75	#10	SS-208-601	12	A2-14		CONTACTOR	6
5D	UNIT HEATER AH-C-20D	15 KW				HFD3		025	2	N.R.		2	2	100	#10	SS-208-601	12	A2-14	2	CONTACTOR	6
5E	DIESEL FIRE PUMP ROOM UNIT HEATER AH-C-20E	7.5 KW				HE3		M015	1	N.R.		2	2	75	#10		12	A2-14		CONTACTOR	6
6A	SPARE					HE3	LO	A010	1	N.R.	H31	2	2	100			12	A-14			6
6B	SPARE					HE3	LO	A010	1	N.R.	H29	2	2	100			12	A-14			6
6C	SCREEN HOUSE SUPPLY FAN AH-E-58	1/3	1725	0.8		HE3	LO	A010	1	N.R.	FH15	3	2	75	#10	SS-208-632	12	A-15	1		6
6D	SPARE					HE3	LO	A010	1	N.R.	H29	2	2	100			12	A-14	1		6
6E	CHLORINE HOUSE HEATER AH-C-18B	7.5 KW				HE3		M015	1	N.R.		2	2	75	#10	SS-208-601	12	A2-14	1	CONTACTOR	6
6F	SPARE					HE3	LO	A010	1	N.R.	H29	3	2	75			12	A-15	1		6



GROUND BUS

HORIZONTAL BUS 600A
VERTICAL BUS 600A

INCOMING LINE
2 - 500 MCM PER PHASE
6 - YA34-2N -MAIN LUGS
6 - YA1C GND LUGS
PROVIDE 1 - 4/0 LUGS EACH END OF GROUND BUS.

PROVIDE: 1 - 120V - 150W SP. HTR. PER SECT
1 - #30000 THERMOSTAT
PER WD 25-B-W103

NOTES:

1. FOR GENERAL NOTES & INDEX SEE DWG. B-201-039.
2. THE ENGD. SFGDS. NOTATION IN REMARKS COLUMN INDICATES EQUIPMENT THAT IS CONSIDERED PART OF THE ENGINEERED SAFEGUARDS SYSTEM. WHICH REQUIRES THE ROUTING OF CABLES IN PHYSICALLY SEPARATED CHANNELS EXTERNAL TO THE CONTROL CENTER.
3. THE "SEP. REQ'D" NOTATION IN REMARKS COLUMN INDICATES EQUIPMENT WHICH REQUIRES ROUTING OF THE CABLE IN PHYSICALLY SEPARATED CHANNELS OUTSIDE THE CONTROL CENTER BUT DOES NOT RECEIVE AN ENGINEERED SAFEGUARDS SIGNAL TO THE CONTROL CIRCUIT.
4. 50VA 480/120V TYPE T-MTC CONTROL TRANSFORMER
5. ADDITIONAL SUPPORT INSULATORS HAVE BEEN ADDED TO UPGRADE THE SHORT-CIRCUIT RATING OF THESE BUSS BARS. SEE GPUN DWG. 10-733-15-003.
6. ALL STRS & CONTACTORS TO BE QUALIFIED FOR CONTINUOUS DUTY AT 140° F.
7. NORMAL CONTROL POWER FUSE. FOR OTHER CONTROL CIRCUIT FUSES SEE ASSOCIATED 208 DRAWING AND PROCEDURE 1107-4.

NO.	DWG. NO.	TITLE
		REFERENCES

Cad File Name : 201063_S1_R29

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

Exelon Nuclear

M. KERWIN	12/6/13	DRAWN DATE
C.W. Russell	12/17/13	CHECKER DATE
N/R		RESPONSIBLE ENGINEER DATE
	12/19/13	ENGINEERING MANAGER DATE

ELECTRICAL
480V CONTROL CENTER
1B ENGINEERED SAFEGUARDS SCREEN HOUSE

TMI-1	DWG. NO. 201-063	SHEET 1	REV. 29
	SCALE: NONE		

INTERFACING CONCURRENCE