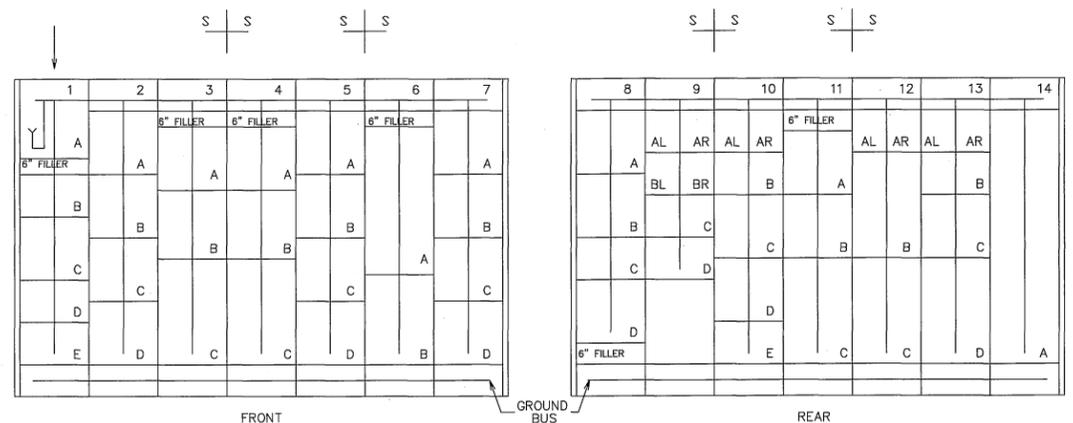


REV		ZONE	DESCRIPTION
35	VAR		REVISED TO INCORPORATE ECR 12-00389 REV.2

UNIT NO.	CIRCUIT IDENTIFICATION	LOAD				BREAKER			STARTER			AUX. SWS.		CONT. PWR. TR.	WIRE SIZE	G.A.I. ELEM. DWG.	I.T.E. IMPERIAL			REMARKS	NOTES
		H.P. KW KVA	RPM.	AMPS		FRAME SIZE	SET.	AMP RATING	SIZE	REV. OR N.R.	HTR.	N.O.	N.C.				HT.	WIRE DIA.	ABC CONT FUSE (NOTE 11)		
				F.L.	L.R.																
1A	INCOMING SERVICE													50	#12			H		BUS STATUS LIGHTS AT RSP. OF FEED LUGS	6,7
1B	SPACE																				
1C	SPACE																				
1D	SPACE																				
1E	MU PUMP GEAR OIL PUMP MU-P-4B	1	1800	1.55		HE3	LO	A100	2	REV.	H51	2/2	2/2	150	#10	SS-208-648	12	A-14	1	SEP. REQ'D	7
2A	N.R. PUMP DISCHARGE VALVE NRV-1B	.066	900	.45	1.45	HE3	LO	A010	1	REV.	FH12	2/2	2/2	150	#10	SS-208-490	18	B1-8-20	2	ENGD. SFGDS. 25W*	7
2B	R.C.P. MOT. CLG. SUP. VALVE NSV-15	.7	1700	2.3	11.9	HE3	LO	A010	1	REV.	FH24	2/2	2/2	150	#10	SS-208-496	18	B1-8-20	1	ENGD. SFGDS. 65W*	7
2C	N.S. EMER. NON-ESS DUMP VALVE NSV-32	.33	1800	2.3	10.9	HE3	LO	A010	1	REV.	H27	2/2	2/2	150	#10	SS-208-484	18	B-8-20	1	ENGD. SFGDS. 65W*	7
2D	R.B. NORM. CLG. SYS. CLG. WTR. SUPPLY ISOL. VV. RB-V-2A	1	1750	2.8	16.0	HE3	2	A010	1	REV.	FH25	2/2	2/2	150	#10	SS-208-516	18	B1-8-20	1	ENGD. SFGDS. 65W*	7
3A	R.C. TO D.H. REM. BLOCK VALVE DHV-1	6.6	1725	11.4	84.4	HE3	4	A025	1	REV.	FH43	2/2	2/2	150	#10	SS-208-452	18	B-15-20	2	SEP. REQ'D. 25W*	7
3B	R.C. TO D.H. REM. BLOCK VALVE DHV-2	6.6	1725	9.8	84.4	HE3	4	A025	1	REV.	FH44	2/2	2/2	150	#10	SS-208-453	18	B-16-20	2	SEP. REQ'D. 25W*	7
3C	C.F. TANK A OUTLET VALVE CFV-1A	9.9	1725	19.5	130	HE3	3	L050	3	REV.	F69	2/2	2/2	250	#6	SS-208-443	30	B1-8-20	2	SEP. REQ'D. 25W*	7
4A	DH-V-1, DH-V-2 & DH-V-3 ALTERNATE INDICATION RELAYS																		13		
4B	R.C. TO D.H. REM. BLOCK VALVE DHV-3	1.6	1700	4.0	29.3	HE3	LO	A025	1	REV.	FH32	2/2	2/2	150	#10	SS-208-454	18	B-17-20	2	SEP. REQ'D. 25W*	7
4C	C.F. TANK B OUTLET VALVE CFV-1B	9.9	1725	19.5	130	HE3	3	L050	3	REV.	F69	2/2	2/2	250	#6	SS-208-443	30	B1-8-20	2	SEP. REQ'D. 25W*	7,8
5A	MAIN CONDENSER VACUUM BREAKER VAV-8	.66	1800	2.3	10.9	HE3	LO	A010	1	REV.	H25	2/2	2/2	150	#10	SS-208-476	18	B-8-20	1	65W*	7
5B	PRESSURIZER QUENCH VALVE RCV-4	.7	1700	2.3	11.9	HE3	LO	A010	1	REV.	FH22	2/2	2/2	150	#10	SS-208-500	18	B-8-20	1	25W*	7
5C	PRESSURIZER RELIEF BLOCK VALVE RCV-2		1700	2.8		HE3	LO	A025	1	REV.	FH23	2/2	2/2	150	#10	SS-208-426	18	B-8-20	1	25W*	7
5D	EMERG. DEICING VALVE NRV-19	.32	900	1.4	3.0	HE3	LO	A010	1	REV.	H20	2/2	2/2	150	#10	SS-208-481	18	B-8-20	1	65W*	7
6A	120-208V DISTRIBUTION PANEL AB-E	36CKT																42	C		9
6B	480/120-208V TRANSFORMER	30KVA																24	C		10
7A	EMERG. RIVER WTR. MU PUMP SUCTION VALVE EFV-4	.33	1800	2.3	10.9	HE3	LO	A010	1	REV.	H25	2/2	2/2	150	#10	SS-208-424	18	B-8-20	1	65W*	7
7B	EMERG. RIVER WTR. MU PUMP SUCTION VALVE EFV-5	.33	1800	2.3	10.9	HE3	LO	A010	1	REV.	H25	2/2	2/2	150	#10	SS-208-424	18	B-8-20	1	65W*	7
7C	R.C. DRAIN TANK VENT VALVE WDV-2	.133	1800	.95	5.1	HE3	LO	A010	1	REV.	H16	2/2	2/2	75	#10	SS-209-315	18	B-8-20	1		7
7D	NUCL. & 1C COOLER OUTLET VV. NRV-18	.32	900	1.4	3.0	HE3	LO	A010	1	REV.	H20	2/2	2/2	150	#10	SS-208-481	18	B4-8-20	1	65W*	7

- NOTES:
- FOR GENERAL NOTES & INDEX SEE DWG. 201-039.
 - 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.
 - 2 SPEED. 1 WIND. 300/5 C.T.-REQUIRED. 3 LIGHTS (HI-LO-OFF) & KIRK KEY INTERLOCK.
 - CABLE SIZE CHANGES TO 4/0 ON REACTOR BLDG. SIDE OF PENETRATION.
 - 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
 - 50VA 480V/110V TYPE T-MTC CONTROL TRANSFORMER.
 - ALL STARTERS AND CONTACTORS TO BE QUALIFIED FOR CONTINUOUS DUTY AT 140F.
 - SIZE 3 STARTERS AND CONTACTORS TO HAVE COILS SIMILAR TO #G105E126 EXCEPT WITH CLASS 'H' INSULATION.
 - PROVIDE: 1-NAB36-, 4L 3Ø, 4W LTG PNL WITH 20-EEI-M020 CKT BKRS. 4-EEI-M030 CKT BKRS. 12-1P SPACES
 - PROVIDE: 1-MC02B30, 30KVA 3Ø, 4W 480-120/208V TRANSFORMER
 - NORMAL CONTROL POWER FUSE, FOR OTHER CONTROL CIRCUIT FUSES SEE ASSOCIATED 208 DRAWING AND PROCEDURE 1107-4.
 - SEE DRAWINGS SS-208-452, SS-208-453 AND SS-208-454.
 - THIS BUCKET HOUSES AUX RELAYS POWERED FROM DISTRIBUTION PANEL AB-E AND HAS NO 480V CONNECTION.



HORIZONTAL BUS 1200A
VERTICAL BUS 600A

INCOMING LINE
2-350 MCM PER PHASE
6-YA31A-2N-MAIN LUGS
6-YA20A- GROUND LUGS
PROVIDE: 1-4/0 LUG EACH END OF GROUND BUS

PROVIDE: 1-150W, 120V SPACE HEATER PER SECTION
1-FENWALL 30,000 THERMOSTAT AND
1-J10A2012 RELAY TOP OF SECTION
ONE PER W.D. 85-B-W103.

Cad File Name : 201069_S1_R35

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY		Exelon Nuclear	
R.J. Wassner	11/22/13	ELECTRICAL	
DRAWN	DATE	480V CONTROL CENTER	
<i>R. Wassner</i>	11/22/13	1C ENGINEERED SAFEGUARD VALVES	
CHECKER	DATE		
N/R			
RESPONSIBLE ENGINEER	DATE	DWG. NO.	SHEET
<i>R. Wassner</i>	11/22/13	201-069	1
ENGINEERING MANAGER	DATE	SCALE: NONE	REV. 35
		INTERFACING CONCURRENCE	

NO.	DWG. NO.	TITLE
		REFERENCES