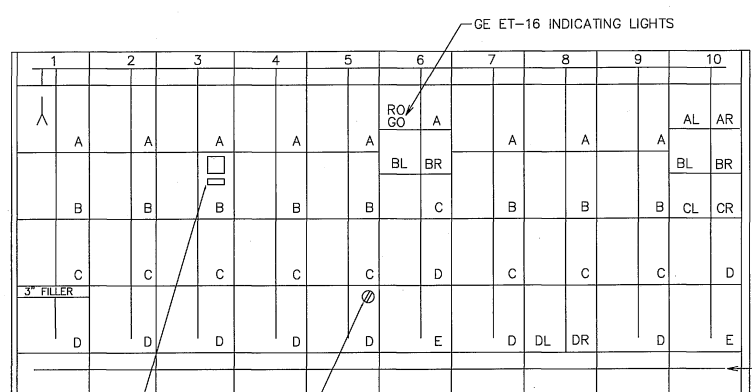


UNIT NO.	CIRCUIT IDENTIFICATION	LOAD				BREAKER			STARTER			AUX. SWS.		CONT. PWR. TR.	WIRE SIZE	G.A.I. ELEM. DWG.	I.T.E. IMPERIAL			REMARKS	NOTES
		H.P. KW KVA	RPM.	AMPS		FRAME SIZE	SET.	AMP RATING	SIZE	REV. OR N.R.	HTR.	N.O.	N.C.				HT.	WIRE DIA.	ABC CONT FUSE		
				F.L.	L.R.																
1A	NA OH TANK OUTLET VALVE BSV-2B		1800	0.95		HE3	LO	A010	1	REV.	H16	2/2	2/2	150	#10	SS-208-502	18	B1-8-20	1	ENGD. SFGDS.	5
1B	RB PURGE SUPPLY ISO. VALVE AHV-1C	5.3	3470	7.5	72.7	HE3	4	A025	1	REV.	FH37	2/2	2/2	150	#10	SS-208-495	18	B1-8-20	1	ENGD. SFGDS. 50W*	5
1C	DH PUMP B IO REACTOR VALVE DHV-4B	6.6	1730	10.0		HE3	HI	L050	2	REV.	FH41	2/2	2/2	150	#6	SS-208-433	18	B13-9-21	2	ENGD. SFGDS. 25W*	5
1D	MU PUMP GEAR OIL PUMP MU-P-4C	1	1800	1.55		HE3	LO	A010	1	N.R.	H21	2	2	150	#10	SS-209-648	12	A-14	1	SEP. REQ'D.	5
1 REAR	INCOMING LINE													50	#12			H		BUS STATUS LIGHT AT RSP. B	8
2A	BS PUMP SUCT. THRU DH VALVE BSV-3B	1.6	1800	4.0	25.3	HE3	LO	A025	1	REV.	FH31	2/2	2/2	150	#10	SS-208-504	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
2B	MAIN FW BLOCK VALVE FW-V-5B	20	3480	26		HE3	LO	A100	2	REV.	FH54	2/2	2/2	150	#6	SS-208-425	18		2	ENGD. SFGDS. 25W*	5,6
2C	FW-V-16B UPSTREAM ISOLATION VALVE FW-V-92B	1.6	1700	3.8	25.3	HE3	LO	A025	1	REV.	FH29	2/2	2/2	150	#10	SS-208-524	18		1		5,7
2D	MU PUMP RECIRC. ISOLATION VALVE MUV-37		1725	0.95		HE3	LO	A010	1	REV.	H16	2/2	2/2	150	#10	SS-208-690	18	B4-8-20	1	ENGD. SFGDS.	5
3A	BOR. WTR. STOR. TO DH PUMP B VALVE DHV-5B	2.6	1705	5.5		HE3	2	A025	1	REV.	FH33	2/2	2/2	150	#10	SS-208-432	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
3B	REACTOR BLDG. SUMP TO D.H. PUMP B VALVE DHV-6B	2.6	1700	5.9	38.0	HE3	2	A025	1	REV.	FH35	2/2	2/2	150	#10	SS-208-434	18	B5-8-20	1	ENGD. SFGDS.	5 & 12
3C	DH PUMP B TO MU PUMP DHV-7B	.33	1800	1.0	5.1	HE3	LO	A010	1	REV.	H16	2/2	2/2	150	#10	SS-208-431	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
3D	INTERMED. COOLING ISOL. VALVE ICV-79B		1725	0.95		HE3	LO	A010	1	REV.	H16	2/2	2/2	150	#10		18	B-8-20	1		5
4A	BOR. WTR. STOR. TANK OUTLET VALVE MUV-14B		1800	5.75		HE3	LO	A025	1	REV.	FH33	2/2	2/2	150	#10	SS-208-440	18	B1-8-20	1	ENGD. SFGDS.	5
4B	EMER. MAKEUP VALVE MUV-16C	3.4	3600	5.2		HE3	HI	A010	1	REV.	FH30	2/2	2/2	150	#10	SS-208-442	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
4C	EMER. MAKEUP VALVE MUV-16D	3.4	3600	5.2		HE3	HI	A010	1	REV.	FH30	2/2	2/2	150	#10	SS-208-442	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
4D	LETDOWN COOLER OUTLET VALVE MUV-2A	1	1700	2.8	16	HE3	2	A010	1	REV.	FH23	2/2	2/2	150	#10	SS-208-437	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
5A	INTERMED. COOLING ISOL. VALVE ICV-79D		1725	0.95		HE3	LO	A010	1	REV.	H16	2/2	2/2	150	#10		18	B-8-20	1		5
5B	I.C. CLOSED LOOP ISOLATION VALVE ICV-2	.33	1700	.95	5.25	HE3	LO	A010	1	REV.	H16	2/2	2/2	150	#10	SS-208-499	18	B6-8-20	1	ENGD. SFGDS. 25W*	5
5C	R.C. LETDOWN SAMPLE VALVE CAV-13	.13	1700	0.545	3.15	HE3	LO	A010	1	REV.	FH07	2/2	2/2	150	#10	SS-209-362	18	B1-8-20	1	ENGD. SFGDS.	5
5D	LETDOWN COOLER OUTLET VALVE MUV-2B	1	1800	2.8	16	HE3	2	A010	1	REV.	FH23	2/2	2/2	150	#10	SS-208-498	18	B1-8-20	1	ENGD. SFGDS. 25W*	5
6A	MAKE-UP PUMP AUX. OIL PUMP MU-P-3B	1/2	3450	1.3	6.3	HE3	LO	A010	1	N.R.	FH-20	2	2	75	#10	SS-208-563	12	A1-14	1	ENGD. SFGDS.	5
6BL	FEEDER - HEAT TRACE PANEL 3B-1	30KVA				HE3		M050						#6							
6BR	FEEDER - HEAT TRACE PANEL 3B-2	30KVA				HE3		M050						#6							
6C	MAKE-UP PUMP AUX. OIL PUMP MU-P-2C	1/2	3600	0.95		HE3	LO	A010	1	N.R.	H17	3	2	75	#10	SS-208-523	12	A-15	1	ENGD. SFGDS.	5
6D	STEAM GENERATOR B SAMPLE VALVE CAV-4B	0.4	1700	1.0	5.25	HE3	LO	A010	1	REV.	FH17	2/2	2/2	150	#10	SS-209-357	18	B1-8-20	1	ENGD. SFGDS.	5
6E	PRESS. WATER SPACE SAMPLE VALVE CAV-3	.125	1700	0.45	3.15	HE3	LO	A010	1	REV.	FH09	2/2	2/2	150	#10	SS-209-355	18	B1-8-20	1	ENGD. SFGDS.	5

* VALVE HEATERS REMOTE

- NOTES:
- FOR GENERAL NOTES AND INDEX SEE DWG. B-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.
 - 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.
 - MASTER SPECIALTIES SERIES 10H CLOSE P.B. W/GREEN LIGHT 7 OPEN P.B. W/RED LIGHT.
 - ALL STARTERS AND CONTACTORS TO BE QUALIFIED FOR CONTINUOUS DUTY AT 140°F.
 - FOR WIRING DIAG. SEE IMPELL DWG. 0370-064-109.
 - FOR WIRING DIAG. SEE IMPELL DWG. 0370-064-108.
 - 50VA 480V/110V TYPE T-MTC CONTROL TRANSFORMER.
 - G.E. TYPE CR2940 FORM UB203A SELECTOR SWITCH.
 - BUCKETS INSTALLED IN CUBICLES WITH A 300 AMP VERTICAL BUS MUST HAVE 5/8" SPACERS INSTALLED TO ENSURE ADEQUATE STAB ENGAGEMENT WITH THE VERTICAL BUS BARS.
 - WESTINGHOUSE/ELECTROSWITCH TYPE W-2 SELECTOR SWITCH.
 - THE OPEN CONTACTOR COIL WILL NOT PICKUP AT A VOLTAGE LESS THAN 60 VAC PER TECHNICAL EVALUATION 1060811-07.



INCOMING LINE
1 - 500 MCM PER PHASE
3 - YA34 -2 N
3 - YA1C
PROVIDE 1-4/0 LUG EACH END OF GROUND BUS

PROVIDE 1-120V, 150W SPACE HEATER PER SECTION
1-FENWALL #30,000 THERMOSTAT TOP SECTION ONE
1-J10B2012 CONTROL RELAY TOP SECTION ONE
(SEE WD 85B-W103)

NO.	DWG. NO.	TITLE
		REFERENCES

Cad File Name : 201053_S1_R48
REVISION 30 OF THIS DRAWING WAS REDRAWN FROM GAI 201-053 SH. 1 REV. 29

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

Exelon
Nuclear

M. KERWIN
DATE 3/7/14

R. BERRY
DATE 3/12/14

N/R
DATE 3/12/14

ENGINEERING MANAGER

DATE 3/12/14

ELECTRICAL
480V CONTROL CENTER
1B ENGINEERED SAFEGUARDS VALVES

DWG. NO. 201-053
SCALE: NONE

SHEET 1
REV. 48

INTERFACING CONCURRENCE