GENERAL ELECTRIC — 791E403AE

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:— APPLIED PRACTICES | SURFACES ✓ | TOLERANCE ON DECIMALS: DIMENSIONS ± | DECIMALS ± | ANGLES ±

TITLE ELEM DIAG
AUTO DEPRESSURIZATION SYS
FIRST MADE FOR SUSQUEHANNA 2

GE TYPE HMA RELAY TABULATION

MTG LOC	5 ○—∿—○ 6	1 ○—┤├—○ 7	─┤/├─ 3	2 ○—┤├—○ 8	─┤/├─ 4
H12-P628	K9A SH. 4	K4A SH. 4	--------	ANN SH. 9	--------
H12-P631	K9B SH. 4	K4B SH. 4	--------	ANN SH. 9	--------
H12-P628	K10A SH. 4	K7A SH. 4	--------	ANN SH. 9	--------
H12-P631	K10B SH. 4	K7B SH. 4	--------	ANN SH. 9	--------
H12-P628	K97 SH. 8	B21-F013M SH. 8	B21-F013M SH. 8	--------	COMPUTER SH. 9
H12-P628	K98 SH. 8	B21-F013M SH. 8	--------	--------	B21-F013M SH. 3
H12-P628	K14A SH. 4	--------	ANN SH. 9	--------	IND LT. SH 9
H12-P631	K14B SH. 4	--------	ANN SH. 9	--------	IND LT. SH 9
H12-P628	K15A SH. 5	B21-F013G SH. 5	B21-F013G SH. 5	--------	COMPUTER SH. 9
H12-P631	K15B SH. 6	B21-F013G SH. 6	B21-F013G SH. 6	--------	COMPUTER SH. 9
H12-P628	K16A SH. 5	B21-F013J SH. 5	B21-F013J SH. 5	--------	COMPUTER SH. 9
H12-P631	K16B SH. 6	B21-F013J SH. 6	B21-F013J SH. 6	--------	COMPUTER SH. 9
H12-P628	K17A SH. 5	B21-F013K SH. 5	B21-F013K SH. 5	--------	COMPUTER SH. 9
H12-P631	K17B SH. 6	B21-F013K SH. 6	B21-F013K SH. 6	--------	COMPUTER SH. 9
H12-P628	K18A SH. 5	B21-F013L SH. 5	B21-F013L SH. 5	--------	COMPUTER SH. 9
H12-P631	K18B SH. 6	B21-F013L SH. 6	B21-F013L SH. 6	--------	COMPUTER SH. 9
H12-P628	K19A SH. 5	B21-F013M SH. 5	B21-F013M SH. 5	--------	COMPUTER SH. 9
H12-P631	K19B SH. 6	B21-F013M SH. 6	B21-F013M SH. 6	--------	COMPUTER SH. 9
H12-P628	K20A SH. 5	B21-F013N SH. 5	B21-F013N SH. 5	--------	COMPUTER SH. 9
H12-P631	K20B SH. 6	B21-F013N SH. 6	B21-F013N SH. 6	--------	COMPUTER SH. 9
H12-P628	K22 SH. 7	B21-F013A SH. 7	--------	--------	B21-F013A SH. 7
H12-P628	K23 SH. 7	B21-F013A SH. 7	B21-F013A SH. 7	--------	COMPUTER SH. 9
H12-P628	K24 SH. 7	B21-F013F SH. 7	--------	--------	B21-F013F SH. 7
H12-P628	K25 SH. 7	B21-F013F SH. 7	B21-F013F SH. 7	--------	COMPUTER SH. 9
H12-P628	K26 SH. 7	B21-F013G SH. 7	--------	--------	B21-F013G SH. 7
H12-P628	K27 SH. 7	B21-F013G SH. 7	B21-F013G SH. 7	--------	COMPUTER SH. 9
H12-P628	K28 SH. 7	B21-F013B SH. 7	--------	--------	B21-F013B SH. 7
H12-P628	K29 SH. 7	B21-F013B SH. 7	B21-F013B SH. 7	--------	COMPUTER SH. 9
H12-P628	K30 SH. 7	B21-F013E SH. 7	--------	--------	B21-F013E SH. 7
H12-P628	K87 SH. 8	B21-F013R SH. 8	--------	--------	B21-F013R SH. 8
H12-P628	K31 SH. 7	B21-F013E SH. 7	B21-F013E SH. 7	--------	COMPUTER SH. 9
H12-P628	K88 SH. 8	B21-F013R SH. 8	B21-F013R SH. 8	--------	COMPUTER SH. 9
H12-P628	K32 SH. 7	B21-F013H SH. 7	--------	--------	B21-F013H SH. 7
H12-P628	K89 SH. 8	B21-F013N SH. 8	--------	--------	B21-F013N SH. 8
H12-P628	K33 SH. 7	B21-F013H SH. 7	B21-F013H SH. 7	--------	COMPUTER SH. 9
H12-P628	K90 SH. 8	B21-F013N SH. 8	B21-F013N SH. 8	--------	COMPUTER SH. 9
H12-P628	K34 SH. 7	B21-F013C SH. 7	--------	--------	B21-F013C SH. 7
H12-P628	K91 SH. 8	B21-F013P SH. 8	--------	--------	B21-F013P SH. 8
H12-P628	K35 SH. 7	B21-F013C SH. 7	B21-F013C SH. 7	--------	COMPUTER SH. 9
H12-P628	K92 SH. 8	B21-F013P SH. 8	B21-F013P SH. 8	--------	COMPUTER SH. 9
H12-P628	K36 SH. 7	B21-F013D SH. 7	--------	--------	B21-F013D SH. 7
H12-P628	K93 SH. 8	B21-F013S SH. 8	--------	--------	B21-F013S SH. 8
H12-P628	K37 SH. 7	B21-F013D SH. 7	B21-F013D SH. 7	--------	COMPUTER SH. 9
H12-P628	K94 SH. 8	B21-F013S SH. 8	B21-F013S SH. 8	--------	COMPUTER SH. 9
H12-P628	K38 SH. 7	B21-F013J SH. 7	--------	--------	B21-F013J SH. 7
H12-P628	K39 SH. 7	B21-F013J SH. 7	B21-F013J SH. 7	--------	COMPUTER SH. 9
H12-P628	K101A SH. 5	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P631	K101B SH. 6	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P628	K102A SH. 5	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P631	K102B SH. 6	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P628	K103A SH. 5	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P631	K103B SH. 6	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P628	K104A SH. 5	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P631	K104B SH. 6	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P628	K105A SH. 5	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P631	K105B SH. 6	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P628	K106A SH. 5	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P631	K106B SH. 6	--------	ANN SH. 9	--------	IND. LT. SH. 9
H12-P628	K40 SH. 8	B21-F013K SH. 8	--------	--------	B21-F013K SH. 8
H12-P628	K41 SH. 8	B21-F013K SH. 8	B21-F013K SH. 8	--------	COMPUTER SH. 9
H12-P628	K42 SH. 8	B21-F013L SH. 8	--------	--------	B21-F013L SH. 8
H12-P628	K43 SH. 8	B21-F013L SH. 8	B21-F013L SH. 8	--------	COMPUTER SH. 9
H12-P628	K99A SH. 4	K99A SH. 4	------	ANN SH. 9	------
H12-P631	K99B SH. 4	K99B SH. 4	------	ANN SH. 9	------

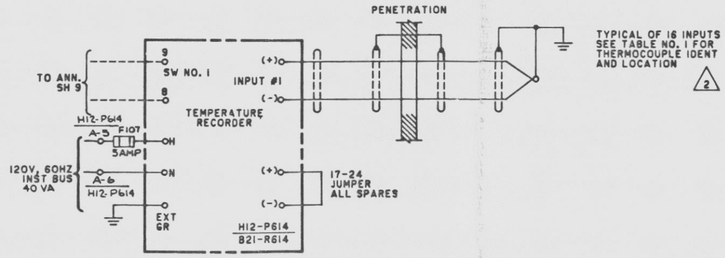
GE TYPE HFA RELAY TABULATION

MTG LOC	13 ○—∿—○ 14	1 ○—┤├—○ 2	3 ○—┤├—○ 4	5 ○—┤├—○ 6	7 ○—┤/├—○ 8	9 ○—┤/├—○ 10	11 ○—┤/├—○ 12
H12-P628	K1A SH. 4	B21-F013M SH. 5 ▲	B21-F013N SH. 5 ▲	SP	ANN SH. 9	TMS PT. N298	SP △3 BC
H12-P631	K1B SH. 4	B21-F013M SH. 6 ▲	B21-F013N SH. 6 ▲	SP	ANN SH. 9	TMS PT. N298 E-303 SH. 60	SP
H12-P628	K2A SH. 4	K2A SH. 4	K5A SH. 4	SP	SP	DS1A SH. 4	ANN SH. 9
H12-P631	K2B SH. 4	K2B SH. 4	K4B SH. 4	SP	SP	DS1B SH. 4	ANN SH. 9
H12-P628	K3A SH. 4	K3A SH. 4	K7A SH. 4	SP	SP	DS2A SH. 4	ANN SH. 9
H12-P631	K3B SH. 4	K3B SH. 4	K7B SH. 4	SP	SP	DS2B SH. 4	ANN SH. 9
H12-P628	K4A SH. 4	B21-F013G SH. 5 ▲	B21-F013J SH. 5 ▲	B21-F013K SH. 5 ▲	B21-F013L SH. 5 ▲	SP	SP
H12-P631	K4B SH. 4	B21-F013G SH. 6 ▲	B21-F013J SH. 6 ▲	B21-F013K SH. 6 ▲	B21-F013L SH. 6 ▲	SP	SP
H12-P628	K6A SH. 4	B21-F013G SH. 5	B21-F013J SH. 5	B21-F013K SH. 5	B21-F013L SH. 5	B21-F013M SH. 5	B21-F013N SH. 5
H12-P631	K6B SH. 4	B21-F013G SH. 6	B21-F013J SH. 6	B21-F013K SH. 6	B21-F013L SH. 6	B21-F013M SH. 6	B21-F013N SH. 6
H12-P628	K7A SH. 4	B21-F013G SH. 5	B21-F013J SH. 5	B21-F013K SH. 5	B21-F013L SH. 5	B21-F013M SH. 5	B21-F013N SH. 5
H12-P631	K7B SH. 4	B21-F013G SH. 6	B21-F013J SH. 6	B21-F013K SH. 6	B21-F013L SH. 6	B21-F013M SH. 6	B21-F013N SH. 6
H12-P628	K8A SH. 4	B21-F013M SH. 5 ▲	B21-F013N SH. 5 ▲	SP	TMS PT. N298	K8A SH. 4	ANN SH. 9
H12-P631	K8B SH. 4	B21-F013M SH. 6 ▲	B21-F013N SH. 6 ▲	SP △3 BC	TMS PT. N298 E-303 SH. 60	K8B SH. 4	ANN SH. 9
H12-P628	K11A SH. 4	B21-F013G SH. 5 ▲	B21-F013J SH. 5 ▲	B21-F013K SH. 5 ▲	B21-F013L SH. 5 ▲	SP	SP
H12-P631	K11B SH. 4	B21-F013G SH. 6 ▲	B21-F013J SH. 6 ▲	B21-F013K SH. 6 ▲	B21-F013L SH. 6 ▲	SP	SP
H12-P628	K12A SH. 4	K4A SH. 4	SP	SP	SP	DS3A SH. 4	ANN SH. 9
H12-P631	K12B SH. 4	K4B SH. 4	SP	SP	SP	DS3B SH. 4	ANN SH. 9
H12-P628	K13A SH. 4	K9A SH. 4 ▲	SP	SP	SP	IND LIGHT SH. 9	ANN SH. 9
H12-P631	K13B SH. 4	K9B SH. 4 ▲	SP	SP	SP	IND. LIGHT SH. 9	ANN SH. 9
H12-P628	K100A SH. 4	K100A SH. 4	K100A SH. 4	SP	SP	SP	ANN SH. 9
H12-P631	K100B SH. 4	K100B SH. 4	K100B SH. 4	SP	SP	SP	ANN SH. 9
H12-P628	K110A SH. 4	K10A SH. 4 ▲	SP	SP	SP	IND LIGHT SH. 9	ANN SH. 9
H12-P631	K110B SH. 4	K10B SH. 4 ▲	SP	SP	SP	IND LIGHT SH. 9	ANN SH. 9

▲ = CONTACTS TO BE CONVERTED TO NORMALLY CLOSED POSITION

AGASTAT 125VDC RELAY TABULATION (TDPU-DC FORM)

MTG LOC	B1 ○—∿—○ B4	T1 ○—┤├—○ M1	─┤/├─ R1	T2 ○—┤├—○ M2	─┤/├─ R2	T3 ○—┤├—○ M3	─┤/├─ R3	T4 ○—┤├—○ M4	─┤/├─ R4
H12-P628	K5A SH. 4	SP	SP	K4A SH. 4	—	SP	SP	SP	SP
H12-P630	K5B SH. 4	SP	SP	K4B SH. 4	—	SP	SP	SP	SP
H12-P628	K111A SH. 4	SP	SP	ANN SH. 9	—	SP	SP	SP	SP
H12-P630	K111B SH. 4	SP	SP	ANN SH. 9	—	SP	SP	SP	SP



PUMP, VALVE AND CONTROL TABULATION

DEVICE REF DESIG	DEVICE FUNCTION	SWITCH	INDICATOR LAMPS RED	INDICATOR LAMPS AMBER	INDICATOR LAMPS CLEAR (A / B / P)	LOCATION MTG LOC	LOCATION SH
B21-F013G	ADS VALVE	S1A,B	X,X	X,X	X X / X X	*	5,6
B21-F013J	ADS VALVE	S2A,B	X,X	X,X	X X / X X	*	5,6
B21-F013K	ADS VALVE	S3A,B	X,X	X,X	X X / X X	*	5,6
B21-F013L	ADS VALVE	S4A,B	X,X	X,X	X X / X X	*	5,6
B21-F013M	ADS VALVE	S5A,B	X,X	X,X	X X / X X	*	5,6
B21-F013N	ADS VALVE	S6A,B	X,X	X,X	X X / X X	*	5,6
B21-F013A	SAFETY RELIEF VALVE	S8	X	X	---	H12-P601-19C	7
B21-F013B	SAFETY RELIEF VALVE	S9	X	X	---	↑	7
B21-F013C	SAFETY RELIEF VALVE	S10	X	X	---		7
B21-F013D	RELIEF SAFETY VALVE	S11	X	X	---		7
---------	DRYWELL HIGH PRESSURE RESET	S12A,B	---	---	---		4
---------	ADS LOGIC RESET	S13A,B	---	---	---		4
B21-F013E	SAFETY RELIEF VALVE	S15	X	X	---		7
B21-F013F	SAFETY RELIEF VALVE	S17	X	X	---		7
B21-F013G	SAFETY RELIEF VALVE	S18	X	X	---		7
B21-F013H	SAFETY RELIEF VALVE	S19	X	X	---		7
B21-F013J	SAFETY RELIEF VALVE	S20	X	X	---		7
B21-F013K	SAFETY RELIEF VALVE	S21	X	X	---		8
B21-F013L	SAFETY RELIEF VALVE	S22	X	X	---		8
B21-F013M	SAFETY RELIEF VALVE	S23	X	X	---		8
B21-F013N	SAFETY RELIEF VALVE	S24	X	X	---		8
B21-F013P	SAFETY RELIEF VALVE	S25	X	X	---		8
B21-F013R	SAFETY RELIEF VALVE	S26	X	X	---	↓	8
B21-F013S	SAFETY RELIEF VALVE	S27	X	X	---	H12-P601-19C	8
---------	HIGH DRYWELL PRESS	---	---	---	XX	H12-P628	4
---------	HIGH DRYWELL PRESS	---	---	---	XX	H12-P631	4
---------	RPV LOW WATER LEVEL	---	---	---	X	H12-P628	4
---------	RPV LOW WATER LEVEL	---	---	---	X	H12-P631	4
---------	ADS MANUAL PBS	S30A S31A	---	---	---	H12-P601-19C	4
---------	ADS MANUAL PBS	S30B S31B	---	---	---	H12-P601-19C	4
---------	ADS MANUAL OUT OF SERVICE	S7A,B	----	---	XX (GREEN)	H12-P601-19B	9
---------	PWR MONITOR TEST PB (DIV 1)	S33A	---	---	---	H12-P628	4
---------	PWR MONITOR TEST PB (DIV 2)	S33B	---	---	---	H12-P631	4
---------	ADS LOGIC IN TEST	---	---	---	XX (GREEN)	H12-P601-19B	9
---------	ADS LOGIC PWR FAILURE	---	---	---	XX (GREEN)	H12-P601-19B	9

* = H12-P628 "A" CIRCUIT, H12-P631 "B" CIRCUIT } WITH PARALLEL RED LIGHT IN H12-P601-19B

TABLE NO. 1
THERMOCOUPLE IDENTIFICATION & LOCATION

INPUT NO.	THERMOCOUPLE IDENTIFICATION	LOCATION
1.	B21-N004G	B21-F013G
2.	B21-N004J	B21-F013J
3.	B21-N004K	B21-F013K
4.	B21-N004L	B21-F013L
5.	B21-N004M	B21-F013M
6.	B21-N004N	B21-F013N
7.	B21-N004A	B21-F013A
8.	B21-N004B	B21-F013B
9.	B21-N004C	B21-F013C
10.	B21-N004D	B21-F013D
11.	B21-N004E	B21-F013E
12.	B21-N004F	B21-F013F
13.	B21-N004H	B21-F013H
14.	B21-N004J	B21-F013P
15.	B21-N004R	B21-F013R
16.	B21-N004S	B21-F013S
17.	SP	SP
18.	SP	SP
19.	SP	SP
20.	SP	SP
21.	SP	SP
22.	SP	SP
23.	SP	SP
24.	SP	SP

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A ☒ NO COMMENTS
B ☐ COMMENTS AS INDICATED. REVISED DRAWING SUBMITTED FOR INFORMATION AND VERIFICATION ONLY. NO REPLY REQUIRED
C ☐ COMMENTS AS INDICATED. REVISED DRAWING SUBMITTED AFFECTING BECHTEL RESPONSIBILITY. REPLY REQUIRED. ALL COMMENTS COORDINATED BY APED
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BC△										
BC△										
BC△	8	7/75	Y	REVISED, CHANGE OF DWG. VELLUM TO MYLAR, (SEE BELOW)	GK	JR	JBJ	7/8/75		N
BC△	8	1/76	Y	REV. TO INCORP. FCR E-1157	RBL	EEL	CHI	1/22/76		N
BC△	8	9/76	Y	INCORPORATE BC△	K	GG	JS	9/9/76		N
BC△	7	1/78	Y	REVISED PER DCP 014.94	RBL	EEL	BTF	1/78		N

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REVISIONS						PRINTS TO
7 NJ15574 3-13-81	4 8-20-77	MR MR	3 9-8-76 TZE	MR MR	2 6-9-76	MR MR	1 10-8-75	MR MR	
8 NJ22833 NJ23288	NE 78991 CHKD: R.B.		NE 75557 CHKD: RDT		NE 70988 CHKD: K.B.		CHANGED PER ECN NE62398 CHKD: K.B.		

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