

SH NO	DESCRIPTION
1	SW DEV & PWR DISTR
2	RELAY TABS & THERMO IDENT
3	RELAY LOGICS
4	ADS VALVES
5	ADS VALVES
6	SAFETY/RELIEF VALVES
7	SAFETY/RELIEF VALVES
8	ANNUNCIATOR & COMPUTER INPUTS

SWITCH DESIG	CONT	SH NO
S8	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S9	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S10	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S11	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S12	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S13	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S14	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S15	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S16	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S17	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S18	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S19	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S20	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S21	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S22	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S23	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S24	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S25	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S26	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S27	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP

LEGEND:
MATCH CIRCLE NO.
ZONE NO.
SHEET NO.
XXX INDICATES PGCC LINE CODE
XXX-X INDICATES PGCC SEPARATION CATEGORY
PXXX TERMINATION CABINET NO.
TXXX TERMINATION MODULE NO.
MODULE TERMINATION POINTS

- NOTES:
- UNLESS OTHERWISE NOTED, ALL DEVICE NUMBERS SHALL BE PREFIXED WITH BZIC
 - ALL THERMOCOUPLES ARE COPPER-CONSTANTAN, TYPE T, LOCATED INSIDE THE DRYWELL
 - PINS "1" & "2" AND "3" & "4" ARE JUMPED IN TEST PLUG, REF 3
 - INDIVIDUAL TWO CONDUCTOR CABLE TO BE RUN IN FIELD UP TO PGCC TERMINATION CABINET
 - SEE REF 6 FOR DEVICE & WIRING SEPARATION REQUIREMENTS
 - ALL VALVES HAVE THREE SOLENOIDS "A", "B", & "C"
 - UNLESS OTHERWISE NOTED, LIGHTS ARE GE TYPE ET-16 AND ARE SUPPLIED WITH PANEL
 - SEE CUSTOMER DRAWINGS FOR REMOTE SHUTDOWN
 - TEST LIGHTS MUST BE GE TYPE ET-17 NEON BULBS (BIA) WITH 220KOHM RESISTORS AND CLEAR LENS CAPS
 - REMOVED
 - INDICATOR LIGHTS ARE PER 19589854
 - FOR LIGHTS SEE DWG 851E603; LIGHTS ARE SUPPLIED WITH INTEGRAL SWITCH FOR TESTING, 120 VOLTS NEON LAMP
 - ALL PGCC SUPPLIED CABLES ARE ESE-1 UNLESS OTHERWISE SPECIFIED
 - THIS CONNECTOR JACK AND PLUG IS IDENTIFIED BY SAME NUMBER AS THE ASSOCIATED LINE CODE
 - THESE CIRCUITS SHALL BE SEPARATED FROM CIRCUITS BELONGING TO OTHER DIVISIONS BY METAL BARRIER OR MINIMUM OF 6" SIX INCHES.

SWITCH DESIG	CONT	SH NO
S28	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S29	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S30	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S31	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S32	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S33	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S34	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S35	1-2 9	3-4 7
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	13-14 SP	15-16 SP
S36	1-2 9	3-4 7
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S37	1-2 9	3-4 7
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S38	1-2 9	3-4 7
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	13-14 SP	15-16 SP
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S40	1-2 9	3-4 7
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S42	1-2 9	3-4 7
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	13-14 SP	15-16 SP
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	13-14 SP	15-16 SP
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S64	1-2 9	3-4 7
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	13-14 SP	15-16 SP
S65	1-2 9	3-4 7
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	13-14 SP	15-16 SP
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	13-14 SP	15-16 SP
S86	1-2 9	3-4 7
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	13-14 SP	15-16 SP
S87	1-2 9	3-4 7
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	9-10 SP	11-12 7
	13-14 SP	15-16 SP
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	13-14 SP	15-16 SP
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S95	1-2 9	3-4 7
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S96	1-2 9	3-4 7
	5-6 7	7-8 7
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	13-14 SP	15-16 SP
S97	1-2 9	3-4 7
	5-6 7	7-8 7
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	13-14 SP	15-16 SP
S98	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S99	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP
S100	1-2 9	3-4 7
	5-6 7	7-8 7
	9-10 SP	11-12 7
	13-14 SP	15-16 SP

REFERENCE DOCUMENTS

- B21-1010 NUCLEAR BOILER P&ID
- B21-1030 NUCLEAR BOILER FCD
- 36B2504 TEST SWITCH ASM
- A61-4010 SPECIAL WIRE & CABLE SPEC
- IEEE279 NUCLEAR POWER PLANTS PROTECTION SYSTEMS
- A61-4050 SEPARATION FOR SAFEGUARD SYSTEMS ELECTRICAL EQUIP
- REMOVED
- B21-1040 NUCLEAR BOILER SYSTEM PROC INST DIAG
- E11-1040 RESIDUAL HEAT REMOVAL SYS ELEM DIAG (E11A)
- E21-1040 CORE SPRAY SYS ELEM DIAG (E21A)
- E31-1040 RCIC ELEMENTARY DIAGRAM (E31A)
- (OTHERS)