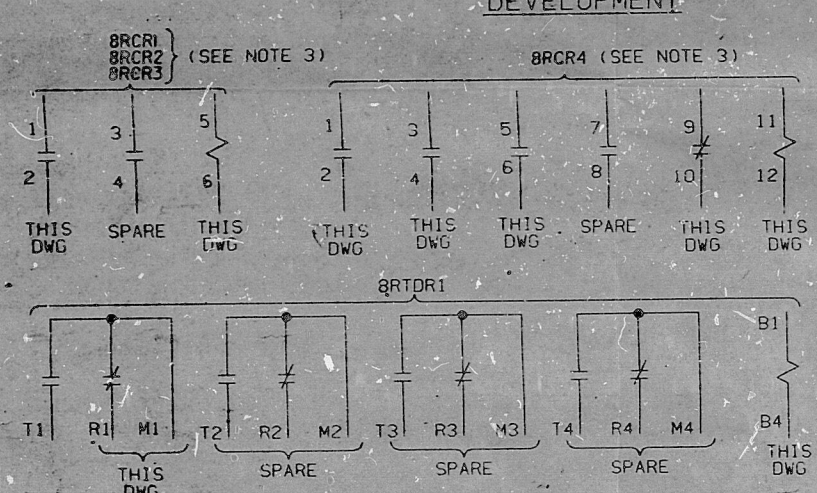


RELAY AND CONTROL SWITCH DEVELOPMENT



NORMAL BYPASS	POSITION		DWG
	CONTACTS	POSITION	
3 0 0 4	NORMAL	BYPASS	THIS DWG
1 0 1 0 2			THIS DWG
7 0 0 8			THIS DWG
5 0 1 0 6			THIS DWG

MAINTAINED CONTACT GE CAT* CR104PSG21B92 (SEE NOTE 3)

CONTACTS	POSITION		DWG
	NORMAL	TEST	
3 0 0 4			SPARE
1 0 1 0 2			SPARE
7 0 0 8			THIS DWG
5 0 1 0 6			SPARE

MOMENTARY CONTACT GE CAT* CR104PB692B1 (SEE NOTE 3)

CONTACTS	POSITION		DWG
	NORMAL	TEST	
3 0 0 4			SPARE
1 0 1 0 2			SPARE
7 0 0 8			THIS DWG
5 0 1 0 6			SPARE

MOMENTARY CONTACT GE CAT* CR104PB692B1 (SEE NOTE 3)

CONTACTS	POSITION		DWG
	NORMAL	RESET	
3 0 0 4			SPARE
1 0 1 0 2			THIS DWG
7 0 0 8			SPARE
5 0 1 0 6			SPARE

MOMENTARY CONTACT GE CAT* CR104PB692B1 (SEE NOTE 3)

CONTACTS	POSITION		DWG
	NORMAL	INITIATE	
3 0 0 4			THIS DWG
1 0 1 0 2			SPARE
7 0 0 8			SPARE
5 0 1 0 6			SPARE

MOMENTARY CONTACT GE CAT* CR104PB692B1 (SEE NOTE 3)

- NOTES:
- ALL DEVICE TAG No'S ON PANEL BR ARE PREFIXED WITH PNL-643- UNLESS OTHERWISE SPECIFIED.
 - ALL WIRE No'S IN PANEL BR ARE PREFIXED WITH DR.
 - CONTACT No'S INDICATED DO NOT EXIST. THEY ARE TO BE USED AS REFERENCE TO IDENTIFY INTERNAL WIRING DESIGNATED POINTS.
 - ALL COMPONENTS LOCATED ON PANEL BR UNLESS OTHERWISE SPECIFIED.
 - CONTACT CLOSURES ON REACTOR LOW LOW WATER LEVEL.
 - CONTACT CLOSURES ON REACTOR HIGH PRESSURE.
 - RELAYS BRCR1, BRCR2, AND BRCR3 ARE GE CAT * CR120BD02G41.
 - RELAY BRCR4 IS GE CAT * CR1203D04141.
 - RELAY BRTDR1 IS AGASTAT CAT * TR14D3DN.
 - WEIDMULLER DC VOLTAGE INDICATING TYPE TERMINAL BLOCK DK4LD, CAT * 91064.6
 - BRFU1 AND BRFU2 ARE BUSSMAN TYPE FNO-2, TIME DELAY FUSES, 2A.

REFERENCE DRAWINGS:

DRAWINGS DIRECTLY AFFECTED BY THIS CONSTRUCTION
DRAWING: NONE

INFORMATION DRAWINGS:

- E0584 - ARI SYSTEM - ATWS MODIFICATION ELEMENTARY DIAG - CONT PNL 5F/6F ANNUN H
- E0626 - ARI SYSTEM - ATWS MODIFICATION CONNECTION DIAGRAM ARI LOGIC SUB PANEL
- E0633 - ATWS MODIFICATION CONNECTION DIAGRAM SAR CAB ER44
- E0635 - ARI SYSTEM - ATWS MODIFICATION CONNECTION DIAGRAM PANEL 5F/6F
- E0636 - ARI SYSTEM - ATWS MODIFICATION CONNECTION DIAGRAM PANEL 5F/6F
- E0639 - ARI SYSTEM - ATWS MODIFICATION PANEL 4F CONNECTION DIAGRAM
- E0640 - ARI SYSTEM - ATWS MODIFICATION CONT PNL 1BR FRONT - NEST 4 TEAR OUT & MOD
- E0641 - ARI SYSTEM - ATWS MODIFICATION CONT PNL 1BR REAR - NEST 4 TEAR OUT & MOD
- E0642 - ARI SYSTEM - ATWS MODIFICATION ELEMENTARY WIRING DIAGRAM RED2A
- E0643 - ARI SYSTEM - ATWS MODIFICATION ELEMENTARY WIRING DIAGRAM RED2C
- E0644 - ARI SYSTEM - ATWS MODIFICATION TB-R1275 ASSEMBLY AND CONNECTIONS

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REGULATORY REQUIRED

ITI APERTURE CARD

Rev No	Revision	Date	Drawn	Checked	Approved	Drawing Control	Engineering Review																											
1	REVISED BRTDR1 SETTING.						<table border="1"> <tr> <th>Discipline</th> <th>Eng</th> <th>Date</th> </tr> <tr> <td>MECH</td> <td></td> <td></td> </tr> <tr> <td>ELEC</td> <td></td> <td></td> </tr> <tr> <td>PLUMB</td> <td></td> <td></td> </tr> <tr> <td>INSUL</td> <td></td> <td></td> </tr> <tr> <td>CONSTR</td> <td></td> <td></td> </tr> <tr> <td>SAFETY</td> <td></td> <td></td> </tr> <tr> <td>ENVIRONMENTAL</td> <td></td> <td></td> </tr> <tr> <td>OTHER</td> <td></td> <td></td> </tr> </table>	Discipline	Eng	Date	MECH			ELEC			PLUMB			INSUL			CONSTR			SAFETY			ENVIRONMENTAL			OTHER		
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QSH:140,166]E0578.DGN

GPU NUCLEAR
OYSTER CREEK NUCLEAR GENERATING STATION
ARI SYSTEM - ATWS MODIFICATION
ELEMENTARY DIAGRAM

BURNS AND ROE COMPANY
Engineers and Constructors - Oradell, NJ
A Subsidiary of Burns and Roe International, Inc.

Approved for Construction: [Signature]
Date: 1/25/81

Work Order: 3431
Drawing No: E0578

NO 3730-39 BA 402631

PDR RIDS

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