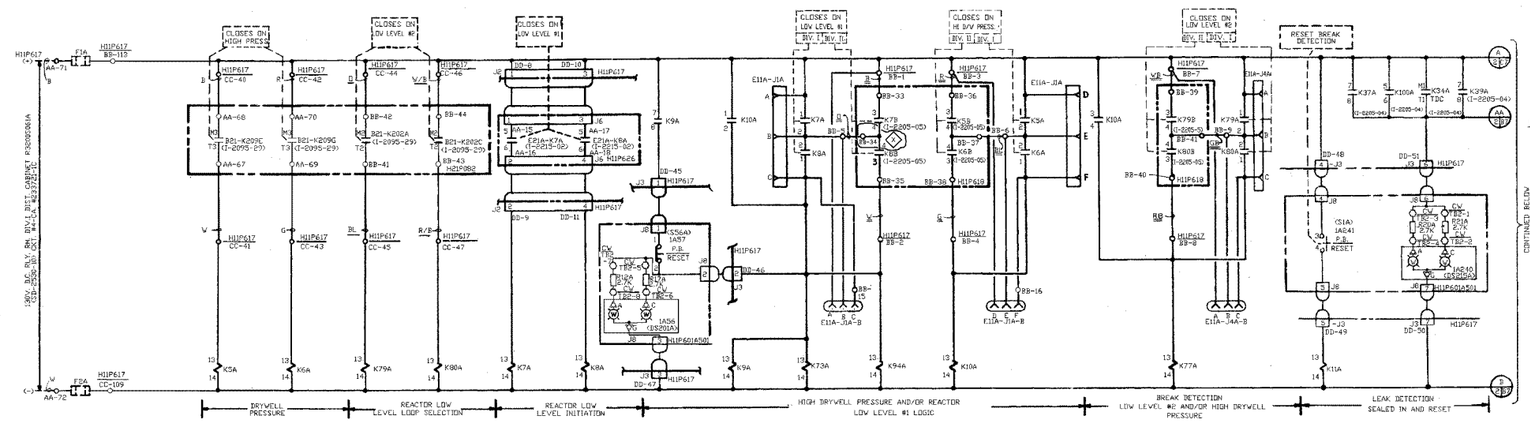


BACK LIGHTED DISPLAY

TYPICAL FOR PNL ITEM
SEALED-IN — 1A56 (DS201A), 1B121 (DS202A), 1A240 (DS215A)
MANUAL OVERRIDE SEALED IN — 1A51 (DS203A)
F.V. ESCUTCHEON

CONTROL TEST SW. DEVELOPMENT

NORMAL TEST
F.V. ESCUTCHEON

CONTACT HANDLE END	NO	SWITCH POSITION NORMAL	SWITCH POSITION TEST	
1ST BLOCK	1-2	X		THIS DWG.
	3-4		X	SP
2ND BLOCK	5-6	X		1-2205-13
	7-8		X	SP

G.E. TYPE CR2940 SWITCH KEYLOCK, KEY REMOVABLE IN NORMAL POSITION X-DENOTES CONTACT CLOSED TYPICAL FOR: 245A & 544A

RESET G.E. TYPE CR2940 PUSHBUTTON TYPICAL FOR PNL. ITEM #1A57 (S56A) 1A241 (S1A) 1B120 (S32A)

G.E. TYPE HFA RELAY TABULATION

13	14	1	2	3	4	5	6	7	8	9	10	11	12
K5A		INTLK. K18A THIS DWG.		INTLK. K18A 1-2205-05		SPARE		SPARE		INDIC. LITE 1-2205-03		SPARE	▲
K6A		INTLK. K18A THIS DWG.		INTLK. K18B 1-2205-05		SPARE		SPARE		INDIC. LITE 1-2205-03		SPARE	▲
K7A		INTLK. K23A THIS DWG.		INTLK. K94B 1-2205-05		SPARE		SPARE		INDIC. LITE 1-2205-03		ANNUN. 1-2205-12	▲
K8A		INTLK. K23A THIS DWG.		INTLK. K94B 1-2205-05		SPARE		SPARE		INDIC. LITE 1-2205-03		ANNUN. 1-2205-12	▲
K9A		INTLK. K79C THIS DWG.		INTLK. K78A 1-2205-05		INTLK. K68A 1-2205-03		SEAL IN THIS DWG.		INTLK. SSXX 1-2205-04		SPARE	▲
K11A		INTLK. K27A 1-2305-04	▲	INTLK. K27A 1-2205-04	▲	INTLK. K34A 1-2205-04	▲	INTLK. K203A 1-2205-04	▲	INTLK. K09A 1-2205-04	▲	INTLK. K43A 1-2205-04	▲
K18A		E11N004PA 1-2201-01		SPARE		ANNUN. 1-2205-12	▲			TRIP ALM. 1-2201-01	▲	SPARE	▲
K63A		SEAL IN THIS DWG.		INTLK. K66A THIS DWG.	▲	E11B001SA 1-2231-60		SPARE		SPARE		SPARE	
K72A		SEAL IN THIS DWG.		INTLK. K18A THIS DWG.	▲	SPARE				MAN. OVERRIDE THIS DWG.		TRIP ALM. 1-2201-01	
K73A		INTLK. LATCH 1-2231-11		INTLK. LATCH 1-2231-11		SPARE		SPARE		SPARE		INTLK. SSXX 1-2201-03	
K77A		INTLK. K23A 1-2205-04		INTLK. K25A 1-2203-04		SPARE		INTLK. K07A 1-2205-04		SPARE		SPARE	
K79A		INTLK. K27A THIS DWG.		INTLK. K77B 1-2205-05		INTLK. E51A-K8 & K3 1-2235-02		INTLK. E41A-K8 & K3 1-2235-03		INDIC. LITE 1-2205-03		ANNUN. 1-2205-12	▲
K80A		INTLK. K27A THIS DWG.		INTLK. K77B 1-2205-05		INTLK. E51A-K2 1-2235-02		INTLK. E41A-K2 & K3 1-2235-03		INDIC. LIGHT 1-2205-03		ANNUN. 1-2205-12	▲
K94A		INTLK. K90A 1-2205-03		INTLK. K95A 1-2205-03		TRIP RELY. PMP E11B001C004 1-2231-01	▲	TRIP RELY. PMP E11B001C004 1-2231-01	▲	SPARE		SPARE	

▲ — CONTACT TO BE CONVERTED TO NORMALLY CLOSED POSITION.

G.E. TYPE HGA RELAY TABULATION

3	6	1	7	3	2	8	4
K14A		SPARE		SPARE	INTLK. K98A 1-2205-03	------	
K15A		INTLK. K19A 1-2205-03		------	INTLK. K88A 1-2205-03	------	
K16A			INTLK. K19A 1-2205-03		------	INTLK. K88A 1-2205-03	
K78A		INTLK. K18A THIS DWG.		------	SPARE	SPARE	

AGASTAT SERIES ETR TIMING RELAY TABULATION

B1	B4	T1	M1	R1	T2	M2	R2	T3	M3	R3	T4	M4	R4
K84A		SPARE	SPARE		SPARE	SPARE		E11B001A 1-2205-11			------	ANN. 1-2205-12	

G.E. TYPE HFA RELAY TABULATION

13	14	1	2	3	4	5	6	7	8	9	10	11	12
K10A		INTLK. K9A 1-2205-05		E11B001PA 1-2231-17	INTLK. K77A THIS DWG.		INTLK. E51A-K63 1-2235-02		E41A-K79 1-2205-04		SOL. HDRC 1-2205-04		SOL. HDRC 1-2205-04
K66A		INTLK. K9A 1-2205-05		E11B001PB 1-2231-17	INTLK. K77A THIS DWG.	▲	INTLK. E51A-K63 1-2205-04	▲	SPARE		SPARE		SPARE
K67A		INTLK. K9A 1-2205-05		E11B001PB 1-2231-17	INTLK. K77A 1-2231-17	▲	INTLK. K18A 1-2205-17	▲	SPARE		SPARE		SPARE

PREFAB CABLE TABULATION

FROM	TO	CA NUMBER	REMARKS
H1P617J3	H1P601A501 J8	225110-1C	ALSO ON 1-2205-03.16
H1P617J4	H1P601B511 J6	225111-1C	& 1-2201-01, 03, 33
H1P617J1	H1P662J10	233926-1C	ALSO ON 1-2205-03
H1P617J2	H1P662GJ6	233903-1C	

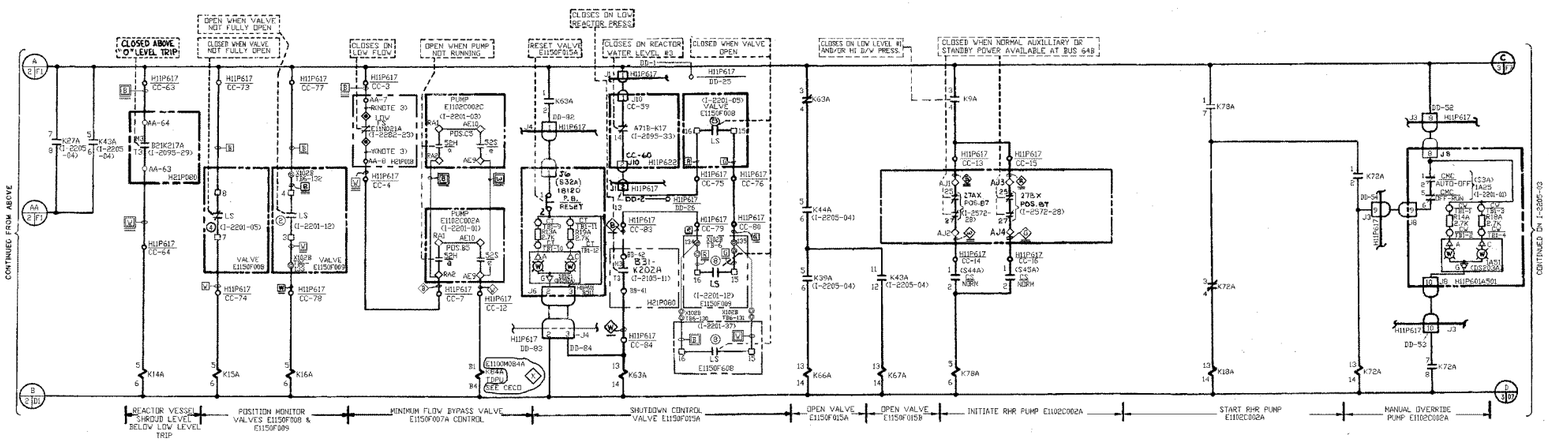
CABLE SYMBOLS

(NO SYMBOL) 233709-1C
233710-1C (ALSO ON 1-2205-04)
233715-1C
233794-1C
233795-1C
233796-1C
233797-1C
233718-1C
220053-1C
220093-1C
233722-1C
233703-1C
233712-1C (ALSO ON 1-2205-04)

SYMBOLS

- TERMINAL IN 4160 SWITCHGEAR
- TERMINAL IN C.G.P. FOR RESISTOR MOUNTING
- BACK-LIGHT DISPLAY TERMINAL
- TERMINAL AT LOCAL SWITCH

NOTE:
1. FOR ADDITIONAL NOTES & REFERENCE DWG, SEE DWG. 1-2205-01.
2. SEE DECO SPEC 3071-120 STD EJ (LATEST REV.) FOR FUSE SIZE AND TYPE.
3. WIRE LEAD SUPPLIED WITH SWITCH.



REFERENCE DRAWINGS:
1. 1-2095 SERIES, NUCLEAR BOILER PROCESS INSTRUMENT SYSTEM.
2. 1-2105 SERIES, RECIRCULATING PUMP SYSTEM ELEMENTARY DIAGRAM.
3. 1-2282-75 - H21P080
4. 1-2092-43 - H21P082
5. 1-2404-01, 02 - H1P601A501
6. 1-2045-47, 48, 49, 50, 51, 52 - H1P617 & H1P618
7. 1-2045-59
8. 1-2282-83 W/3 RHR CHANNEL A RACK H21P018
9. 1-2045-57 RELAY CAB. H1P682

THE INDIVIDUAL CONDUCTORS OF MULTICONDUCTOR CABLES COULD BE IDENTIFIED USING EITHER OF THE FOLLOWING TWO CODES (PER IPCEA S-19-81).

COLOR CODE	B	V	R	G	O	BL	WB	RB	GB	OB	BLB	BV
NUMERIC CODE	1	2	3	4	5	6	7	8	9	10	11	12

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X DCD'S INCORPORATED: CEP-28798 REV. #

OTHER REVISIONS: UPDATED PIS #'S TO CECO FORMAT
UPDATED DWG #'S TO ARMS FORMAT & REPLACED CONTACT NUMBERS THAT WERE INADVERTANTLY OMITTED @ REV. U
(ZONE G-4)

PREPARED BY D.STEFFKE DATE 8/5/98 — SUPERVISED BY [illegible] DATE 8/7/98
APPROVED BY [illegible] DATE 8/11/98

A MEMBER OF THIS DRAWING IS AFFECTED BY THE FOLLOWING.

TO	CHANGE DOCUMENT

THE BOXING BETWEEN REVISION TOP: ADDITION OF THE ARMS STATUS CODE. REVISION "ANY" OR "ANY"

PREPARED BY		DATE
CHECKED BY		DATE
APPROVED BY		DATE
OWNER APPROVAL		DATE

INC.CODE: T

Detroit Edison — Fermi 2

TITLE: SCHEMATIC DIAGRAM RHR RELAY LOGIC "A" CIRCUIT PART 1

APERTURE CARD TYPE: S/D RHR DIV I LOGIC PART 1
PLANT IDENTIFICATION SYSTEM NUMBER: E1100
ARMS RECIPIENT #
DOCUMENT TYPE CODE: DDDINC
NUC OPR FILE NO.
DATE ARCHIVED TO ISS: 8-19-98
DRAWING NUMBER: 61721-2205-02
REV: X

61721-2205-02
LATEST REVISION X

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