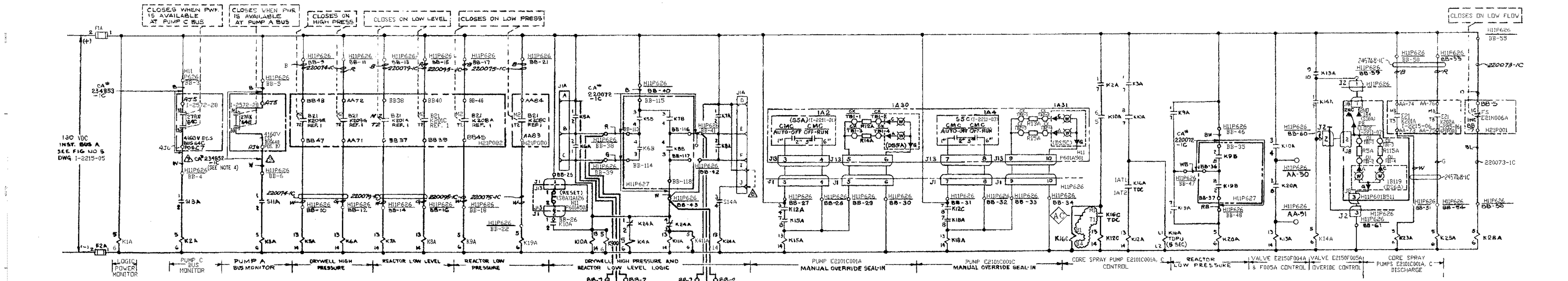
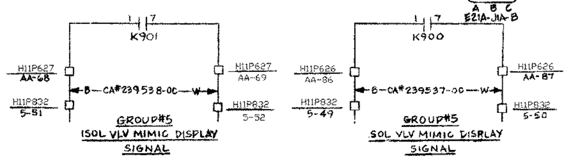


GE TYPE HMA RELAY TABULATION

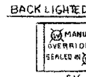
5-6	1-7	7-3	2-8	8-4
K14A	K14A THIS DWG	— —	— —	E2150F005A I-2211-07
K28A	E2150F031A I-2211-09	— —	— —	E2150F031A I-2211-09
K14B	K14B THIS DWG			E2150F005B I-2211-07
K28B	E2150F031B I-2211-09			E2150F031B I-2211-09



TABULATION FOR PLUG CABLES
PLUG NO'S. IN THE SCHEMATIC ARE SHOWN WITHOUT PANEL NO. PREFIXES

PLUG FROM	PLUG TO	CABLE #	REMARK
P626 - J1	P601A501 - J13	225100-1C	
P626 - J2	P601B511 - J8	225101-1C	SEE ALSO DWG. I-2215-04
P627 - J1	P602A501 - J14	225300-2C	
P627 - J2	P602B511 - J9	225301-2C	SEE ALSO DWG. I-2215-04
P627 - J6	P602A501 - J12	225302-2C	

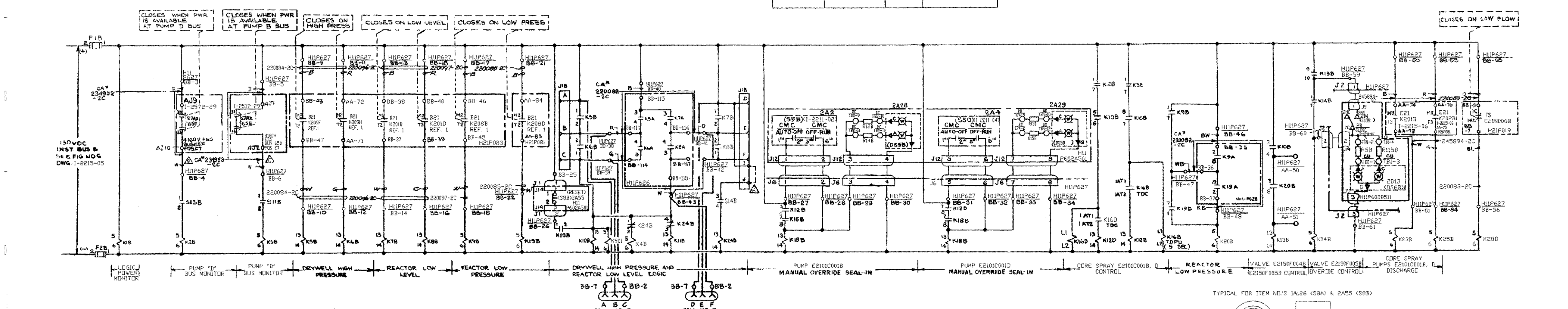
BACK LIGHTED DISPLAY



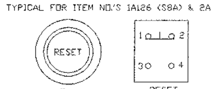
F.V. ESCUTCHEON

TYPICAL FOR PNL ITEM
1A30 (DS5A)
1A31 (DS5C)
2A28 (DS5B)
2A29 (DS5D)
2B119 (DS6A)
2B13 (DS6B)

SYMBOLS
▼ - BACK-LIGHT DISPLAY TERMINAL
○ - TERMINAL IN C.O.P. FOR RESISTOR



TYPICAL FOR ITEM NO'S 1A126 (S8A) & 2A55 (S8B)



GE TYPE CR2940 PUSHBUTTON

AT PANEL H11P626

GE TYPE CR2820 RELAY TABULATION (TDPU-DC FORM)

L1-L2	1A1-1A2 INST	1B1-1B2 INST	1AT1-1AT2 TD	1BT1-1BT2 TD	2AT1-2AT2 TD	2BT1-2BT2 TD
K16A THIS DWG	SP	SP	K12A THIS DWG	SP	SP	SP

RELAY TABULATION (H11P626, SU 33)

B1-B4	T1-M1	M1-R1	T2-M2	M2-R2	T3-M3	M3-R3	T4-M4	M4-R4
K16C THIS DWG	K12C THIS DWG	SP	SP	SP	SP	SP	SP	SP

▲ = CONTACT TO BE CONVERTED TO NORMALLY CLOSED

GE TYPE HFA RELAY TABULATION

13-14	1-2	3-4	5-6	7-8	9-10	11-12
K5A THIS DWG	K10A THIS DWG	K10B THIS DWG	P44M037 I-2441-12	K5 I-2225-03	P44M038 I-2441-13	SP
K6A THIS DWG	K10A THIS DWG	K10B THIS DWG	P44M037 I-2441-12	K5 I-2225-03	P44M038 I-2441-13	SP
K7A THIS DWG	K10A THIS DWG	K10B THIS DWG	K7A I-2205-02	SP	SP	SP
K8A THIS DWG	K10A THIS DWG	K10B THIS DWG	K8A I-2205-02	SP	SP	SP
K10A THIS DWG	K10A THIS DWG	K13A THIS DWG	K12C THIS DWG	K12A THIS DWG	E2150F015A ▲ I-2211-08	E2150F015A I-2211-08
K11A THIS DWG	EDG EMER STRING I-N-2572-18	DRYWELL COOLING EQUIP A TRIP I-2651-16	DRYWELL COOLING EQUIP A TRIP I-2651-16	EDG ▲ EMER STRING I-N-2572-18	INTLK K701 I-2251-05	INTLK K702 I-2251-05
K12A THIS DWG	E2101C001A I-2211-01	K15A THIS DWG	SP	SP	ANN ▲ I-2215-03	E2101C001A ▲ I-2211-01
K12C THIS DWG	E2101C001C I-2211-03	SP	SP	K18A THIS DWG	ANN ▲ I-2215-03	E2101C001C ▲ I-2211-03
K13A THIS DWG	E2150F005A I-2211-07	SP	E2150F004A I-2211-06	E2150F004A ▲ I-2211-06	K14A THIS DWG	SP
K15A THIS DWG	E2101C001A ALARM I-2211-01	E2101C001A ▲ I-2211-01	SP	K15A THIS DWG	SP	SP
K18A THIS DWG	E2101C001C ALARM I-2211-03	E2101C001C ▲ I-2211-03	SP	K18A THIS DWG	SP	SP
K24A THIS DWG	K4A ▲ THIS DWG	K11A ▲ THIS DWG	SP	SP	ANN ▲ I-2215-03	SP

GE TYPE HMA RELAY TABULATION

5-6	1-7	7-3	2-8	8-4
K4A THIS DWG	DIESEL START I-N-2572-18			DIESEL START I-N-2572-18

GE TYPE HGA RELAY TABULATION

5-6	1-7	7-3	2-8	8-4
K1A THIS DWG	ANN I-2215-03		SP	SP
K2A THIS DWG	K12C THIS DWG		SP	SP
K900 THIS DWG	ISOL VLV MIMIC THIS DWG		SP	SP
K3A THIS DWG	K12A THIS DWG		SP	SP
K9A THIS DWG	K20A THIS DWG		K20B THIS DWG	
K19A THIS DWG	K20A THIS DWG		K20B THIS DWG	SP
K20A THIS DWG	E2150F005A I-2211-07		K13A THIS DWG	SP
K23A THIS DWG	K9A I-2095-06		SP	SP
K25A THIS DWG	K10A I-2095-06		SP	SP
K411A THIS DWG	K766 I-2251-18		K767 I-2251-18	

AT PANEL H11P627

GE TYPE CR2820 RELAY TABULATION (TDPU-DC FORM)

L1-L2	1A1-1A2 INST	1B1-1B2 INST	1AT1-1AT2 TD	1BT1-1BT2 TD	2AT1-2AT2 TD	2BT1-2BT2 TD
K16B THIS DWG	SP	SP	K12B THIS DWG	SP	SP	SP
K16D THIS DWG	SP	SP	K12D THIS DWG	SP	SP	SP

▲ = CONTACT TO BE CONVERTED TO NORMALLY CLOSED

GE TYPE HFA RELAY TABULATION

13-14	1-2	3-4	5-6	7-8	9-10	11-12
K5B THIS DWG	K10B THIS DWG	K10A THIS DWG	P44M037 I-2441-12	K4 I-2225-03	P44M038 I-2441-13	SP
K6B THIS DWG	K10B THIS DWG	K10A THIS DWG	P44M037 I-2441-12	K4 I-2225-03	P44M038 I-2441-13	SP
K7B THIS DWG	K10B THIS DWG	K10A THIS DWG	K7B I-2205-05	SP	SP	SP
K8B THIS DWG	K10B THIS DWG	K10A THIS DWG	K8B I-2205-05	SP	SP	SP
K10B THIS DWG	K10B THIS DWG	K13B THIS DWG	K12D THIS DWG	K12B THIS DWG	E2150F015B ▲ I-2211-08	E2150F015B I-2211-08
K11B THIS DWG	EDG EMER STRING I-N-2572-20	DRYWELL COOLING EQUIP B TRIP I-2651-16	DRYWELL COOLING EQUIP B TRIP I-2651-16	EDG ▲ EMER STRING I-N-2572-20	INTLK K735 I-2251-12	INTLK K736 I-2251-12
K12B THIS DWG	E2101C001B I-2211-02	K15B THIS DWG	SP	SP	ANN ▲ I-2215-03	E2101C001B ▲ I-2211-02
K12D THIS DWG	E2101C001D I-2211-04	SP	SP	K18B THIS DWG	ANN ▲ I-2215-03	E2101C001D ▲ I-2211-04
K13B THIS DWG	E2150F005B I-2211-07	SP	E2150F004B I-2211-06	E2150F004B ▲ I-2211-06	K14B THIS DWG	SP
K15B THIS DWG	E2101C001B ALARM I-2211-02	E2101C001B ▲ I-2211-02	SP	K15B THIS DWG	SP	SP
K18B THIS DWG	E2101C001D ALARM I-2211-04	E2101C001D ▲ I-2211-04	SP	K18B THIS DWG	SP	SP
K24B THIS DWG	K4B ▲ THIS DWG	K11B ▲ THIS DWG	SP	SP	ANN ▲ I-2215-03	SP

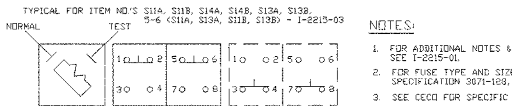
GE TYPE HMA RELAY TABULATION

5-6	1-7	7-3	2-8	8-4
K4B THIS DWG	DIESEL START I-N-2572-20			DIESEL START I-N-2572-20

GE TYPE HGA RELAY TABULATION

5-6	1-7	7-3	2-8	8-4
K1B THIS DWG	ANN I-2215-03		SP	SP
K2B THIS DWG	K12D THIS DWG	SP	SP	SP
K901 THIS DWG	ISOL VLV MIMIC THIS DWG		SP	SP
K3B THIS DWG	K12B THIS DWG		SP	SP
K9B THIS DWG	K20B THIS DWG		K20A THIS DWG	
K19B THIS DWG	K20B THIS DWG		K20A THIS DWG	
K20B THIS DWG	E2150F005B I-2211-07		K13B THIS DWG	
K23B THIS DWG	K9B I-2095-07		SP	SP
K25B THIS DWG	K10B I-2095-07		SP	SP

TYPICAL FOR ITEM NO'S S11A, S11B, S14A, S14B, S13A, S13B,
5-6 (S11A, S13A, S11B, S13B) - I-2215-03



GE TYPE CR2940 SWITCH
MAINTAINED CONTACT
KEY REMOVABLE IN NORMAL POSITION

NOTES:

1. FOR ADDITIONAL NOTES & REFERENCE DRAWINGS SEE I-2215-01.
2. FOR FUSE TYPE AND SIZE REFER TO EDISON SPECIFICATION 3071-128, STD. EJ.
3. SEE CECO FOR SPECIFIC INSTRUMENT SETPOINTS.
4. CA. #234852-1C HAS BEEN SPLICED TO REPAIR CABLE IN THE CABLE SPREADING ROOM, EL. 631'-6".

REFERENCES:

1. I-2095-29 — NUCLEAR BOILER PROCESS INSTRUMENT SYSTEM (G.E. 791E402TG)
2. I-2045-59 — W/D - CORE SPRAY CAB. H11P626 (DIV. 1)
3. I-2282-01 — RACK H21P001
4. I-2004-01 & -02 — H11P601A501
5. I-2006-02 & -03 — H11P602A501
6. I-2004-07 & -08 — H11P601B511
7. I-2006-12 & -13 — H11P602B511

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

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

★ 6I721-2215-02
LATEST REVISION
AC

THIS IS AN OVERLAP DRAWING. REFER TO PRACTICE STANDARDS PEPS-0019 FOR INFORMATION ON THIS PROGRAM.

NUCLEAR SAFETY RELATED

THIS IS A MICROSTATION PRODUCED DRAWING. CHANGES OR REVISIONS MUST BE BROUGHT TO THE ATTENTION OF THE PLANT ENGINEERING DESIGN GROUP TO ENSURE THAT CONFIGURATION CONTROL IS MAINTAINED.

THIS DRAWING WAS REFORMATTED BY MICROSTATION AT REVISION "AB". ALL PREVIOUS APPROVAL SIGNATURES ARE ON FILE ON MICROFILM IN DOCUMENT CONTROL.

AC DCD'S INCORPORATED:
RID-78612 REV. ø

OTHER REVISIONS:

PREPARED BY M. McLAUGHLIN — DATE 09-17-08 — CHECKED BY [signature] — DATE 9-18-08
APPROVED BY [signature] — DATE 9-18 2008

A PORTION OF THIS DRAWING IS AFFECTED BY THE FOLLOWING:
TO | CHANGE DOCUMENT

EDP POSTING ENTRIES REQUIRE THE ADDITION OF THE ARMS STATUS CODE. EITHER "AFC" OR "ASB"

PREPARED BY / DATE
CHECKED BY / DATE
APPROVED BY / DATE
OTHER APPROVALS / DATE

INC. CODE: T

Detroit Edison — Fermi 2

TITLE: ELEMENTARY DIAGRAM
CORE SPRAY SYSTEM
RELAY LOGIC SYSTEMS 1 & 2
AND RELAY SCHEDULES

APERTURE CARD TITLE: ELEM DIAG CORE SPRAY RLY LOGIC
PLANT IDENTIFICATION SYSTEM NUMBER: E2102
ARMS RECIPIENT #
DOCUMENT TYPE CODE: DDDINC
NUC OPS FILE NO. 1801
DATE ISSUED TO IS 9-19-08
DRAWING NUMBER: 6I721-2215-02
REV. AC