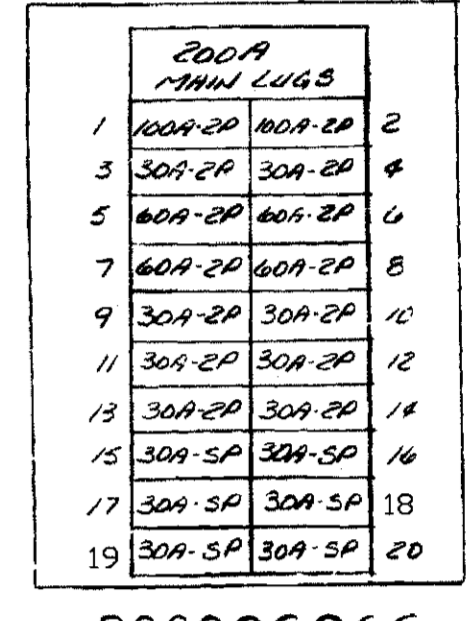
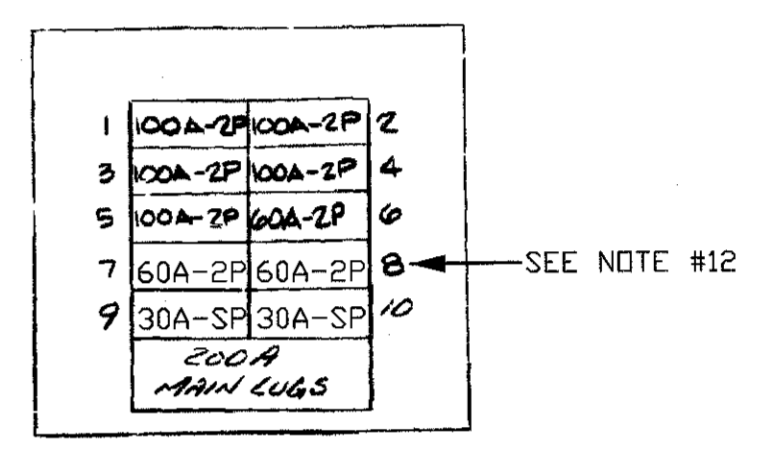
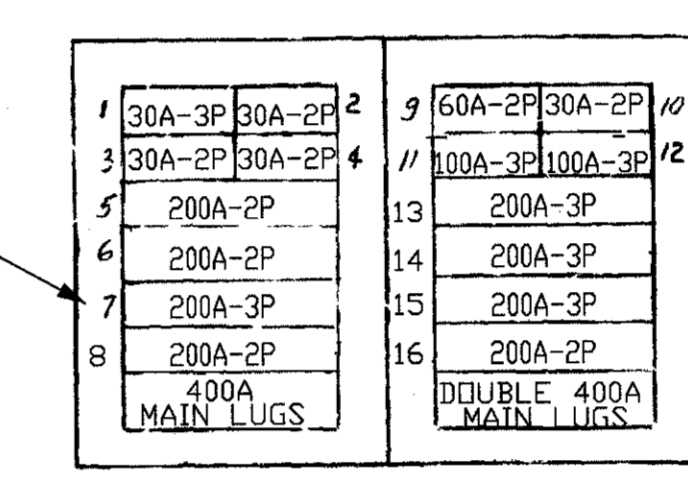
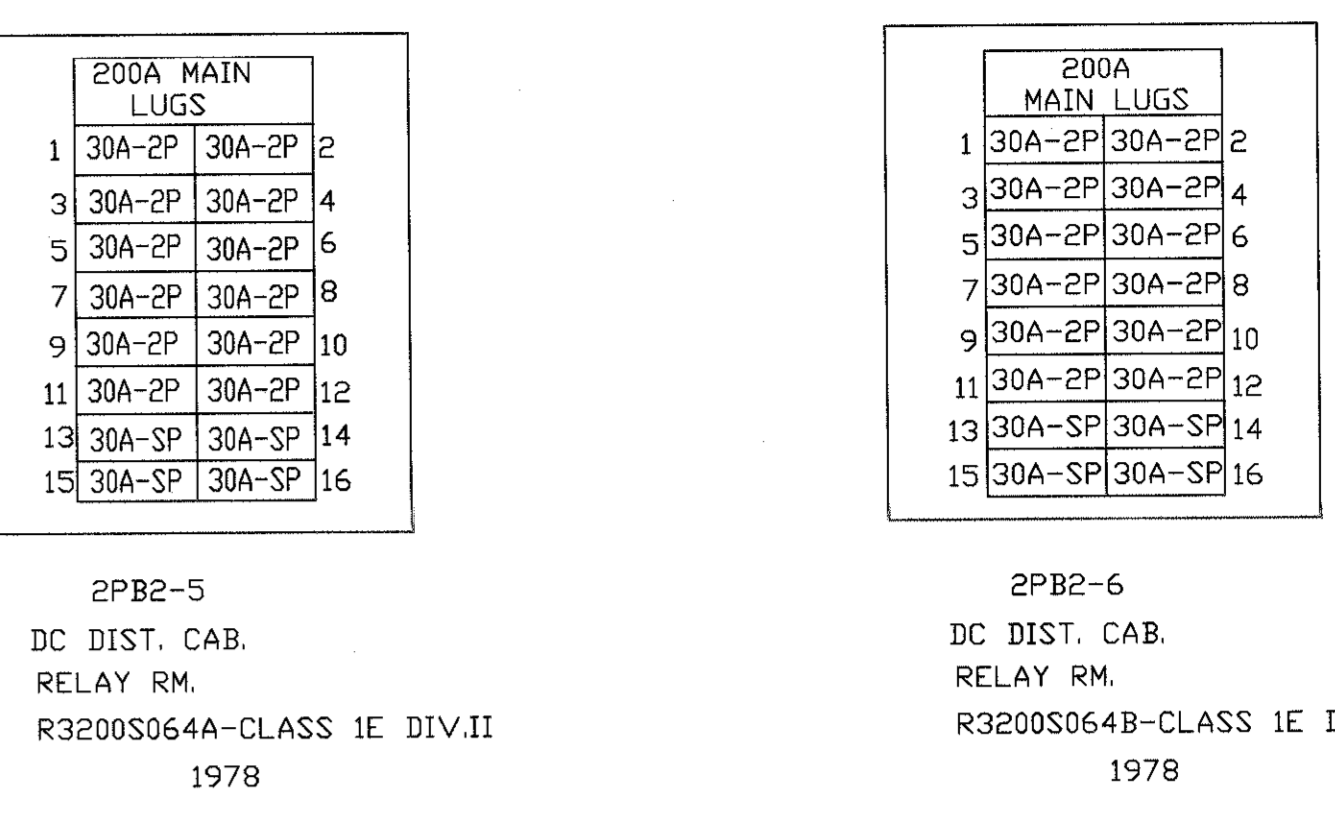
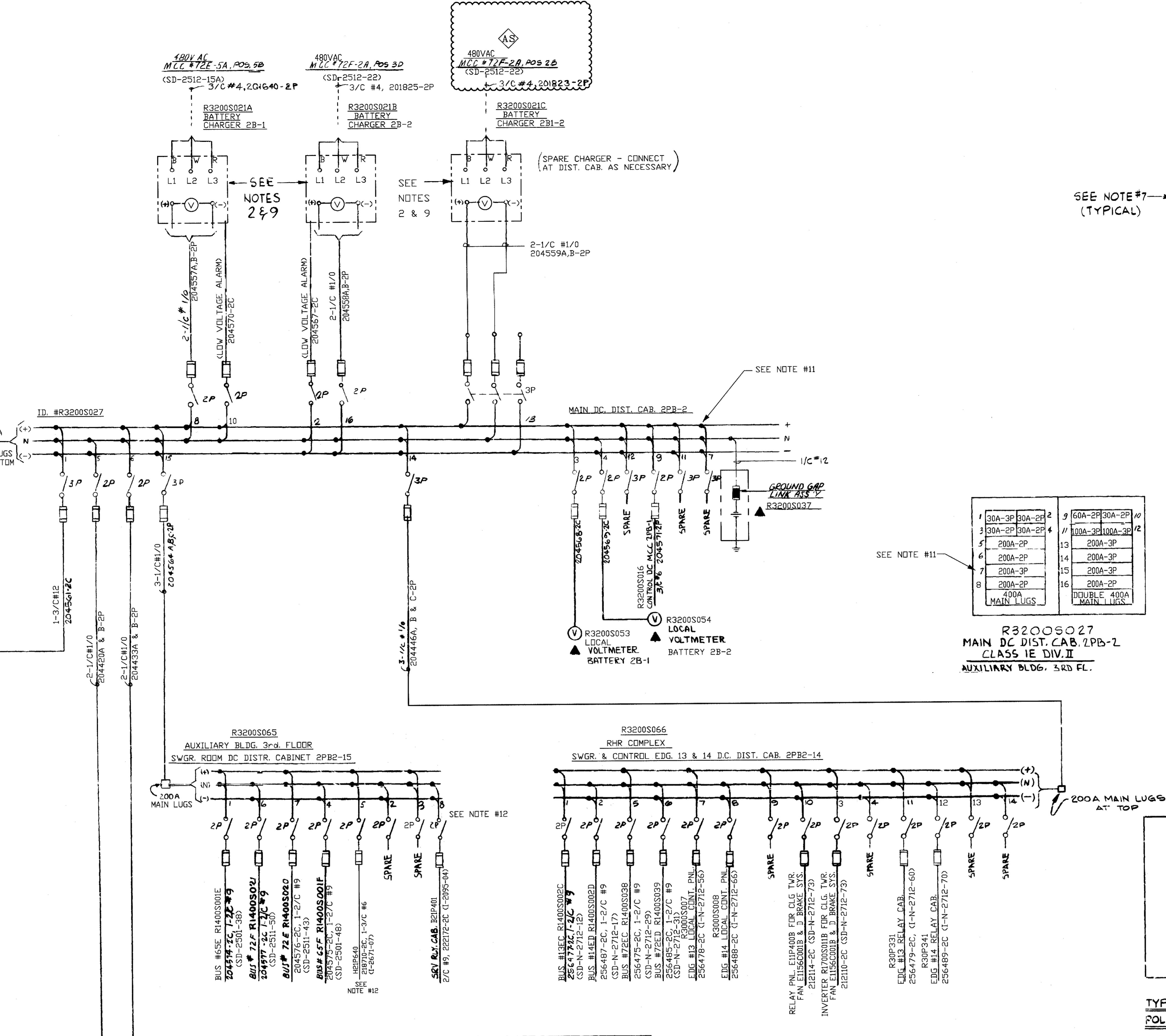


GROUND DETECTION LIGHTS STATUS

FAULT	LIGHT POTENTIAL						P.B. #2 PDS.
	P.B. #1 PDS.	1	2	3	4	5	
NONE*	A/B	40	40	40	40	40	A/B
(+)	A	0	0	120	40	40	B
	B	40	40	120	120	120	B
(-)	A	60	60	0	40	40	B
	B	40	40	0	60	60	B
	A	120	120	120	40	40	B
	B	40	40	120	0	0	B

* NORMALLY ALL LIGHTS ARE EQUALLY DIM
SEE NOTE 10
P.B. #1, 2
A = NORMAL
B = DEPRESSED

GRD DETN LIGHTS
R32005079



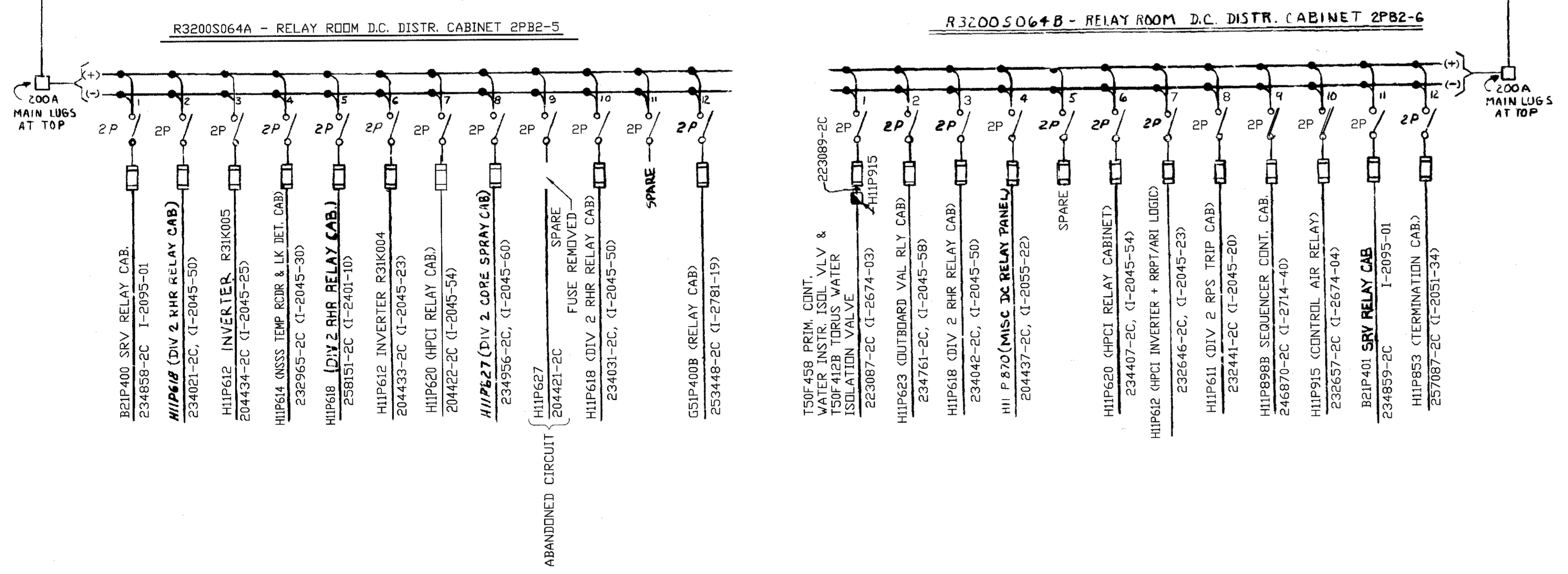
TYPICAL CABINET BUS POLARITY-FRONT VIEW

NOTES:

- REFER TO DETROIT EDISON SPECIFICATION 3071-188 STD. E.J FOR FUSE SIZE, TYPE AND RELATED DATA.
- BATTERY CHARGER HIGH VOLTAGE ALARM AND TRIP SET AT 134.0 ± .5V AND 138.5 ± .5V RESPECTIVELY. LOW VOLTAGE ALARM SET AT 124.2 ± .5V.
- PROVIDE ISOLATING BARRIERS AROUND CENTER FUSE CLIP OF 3P SWITCHES.
- ▲ DENOTES NON-NUCLEAR SAFETY RELATED
- ALL CABLES SHALL BE 2/C #12 UNLESS OTHERWISE NOTED.
- *SP* DENOTES *SPACE*
- FRONTAL ELEVATIONS OF DISTRIBUTION CABINETS SHOW SWITCH AND FUSE CLIP SIZE, NDI FUSE SIZES. REFER TO NOTE #1 FOR FUSE SIZES.
- FOR DETAILS OF HI & LD VOLTAGE AND LOSS OF POWER ALARMS AT MAIN CONTROL ROOM ANNUNCIATOR CABINET, SEE DWG. SD-2531-13 TABLES 3 & 4.
- BATTERY CHARGER FLOAT AND EQUALIZE VOLTAGES SHALL BE SET AT 129.0 ± .5V AND 135.5 ± .5V RESPECTIVELY.
- GROUND DETECTION LIGHTS ARE 10W, 120V RATED PRESENCE OF FAULT NOT INDICATED UNTIL P.B.#2 IS DEPRESSED.
- MAIN DC DIST. CAB 2PB-2 POS 7 HAS A SPACE WHERE A FUSE CLIP WOULD NORMALLY BE LOCATED FOR THE POSITIVE LEG ONLY.
- BREAKER (2PB2-15 CKT-8 & CKT-5) TO BE MAINTAINED IN "OFF" POSITION WHEN REACTOR IS AT POWER (NOISE L, 2, OR 3).
- NOTE: CIRCUIT IS ENERGIZED DURING DIVISION II OUTAGE (LCD FOR TESTING ONLY), EXCEPT FOR USE IN RESPONSE TO BEYOND DESIGN BASIS EXTERNAL EVENTS.

REFERENCE DRAWINGS

- SD-2531-13 CHARGER INTERNAL WIRING DIAGRAM
- E-2833-10 BATTERY INSTALLATION DRAWING.
- E-2833-03 CHARGER INSTALLATION DRAWING



6SD721-2530-11
LATEST REVISION AS

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.

AS/DC'S INCORPORATED:		A PORTION OF THIS DRAWING IS AFFECTED BY THE FOLLOWING:		PREPARED BY	DATE
OTHER REVISIONS:		TO	CHARGE DOCUMENT	CHECKED BY	DATE
REMOVED 25309011				APPROVED BY	DATE
ADMINISTRATIVE CHANGES PER PEPIS-0019				OTHER APPROVAL	DATE
PREPARED BY	DATE	CHECKED BY	DATE	MICROSTATION TITLE	
A. DITTMAN	4/14/20	Michael McLaughlin	4-15-20	ONE LINE 130 260V DC BATT DIST	
APPROVED BY	DATE	DATE	DATE	DOCUMENT TYPE CODE	ARMS RECIPIENT #
Michael McLaughlin				DDDELE	
REV. T. Murphy III				DRAWING NUMBER	DATE ISSUED TO IS
				6SD721-2530-11	5/12/20
THIS DRAWING WAS REFORMATTED BY MICROSTATION AT REVISION "AS". ALL PREVIOUS APPROVAL SIGNATURES ARE ON FILE ON MICROFILM IN DOCUMENT CONTROL.				INC. CODE T TITLE Detroit Edison Fermi 2 ONE LINE DIAGRAM 260/130V. ESS. DUAL BATTERY 2PB DISTRIBUTION- DIVISION II	