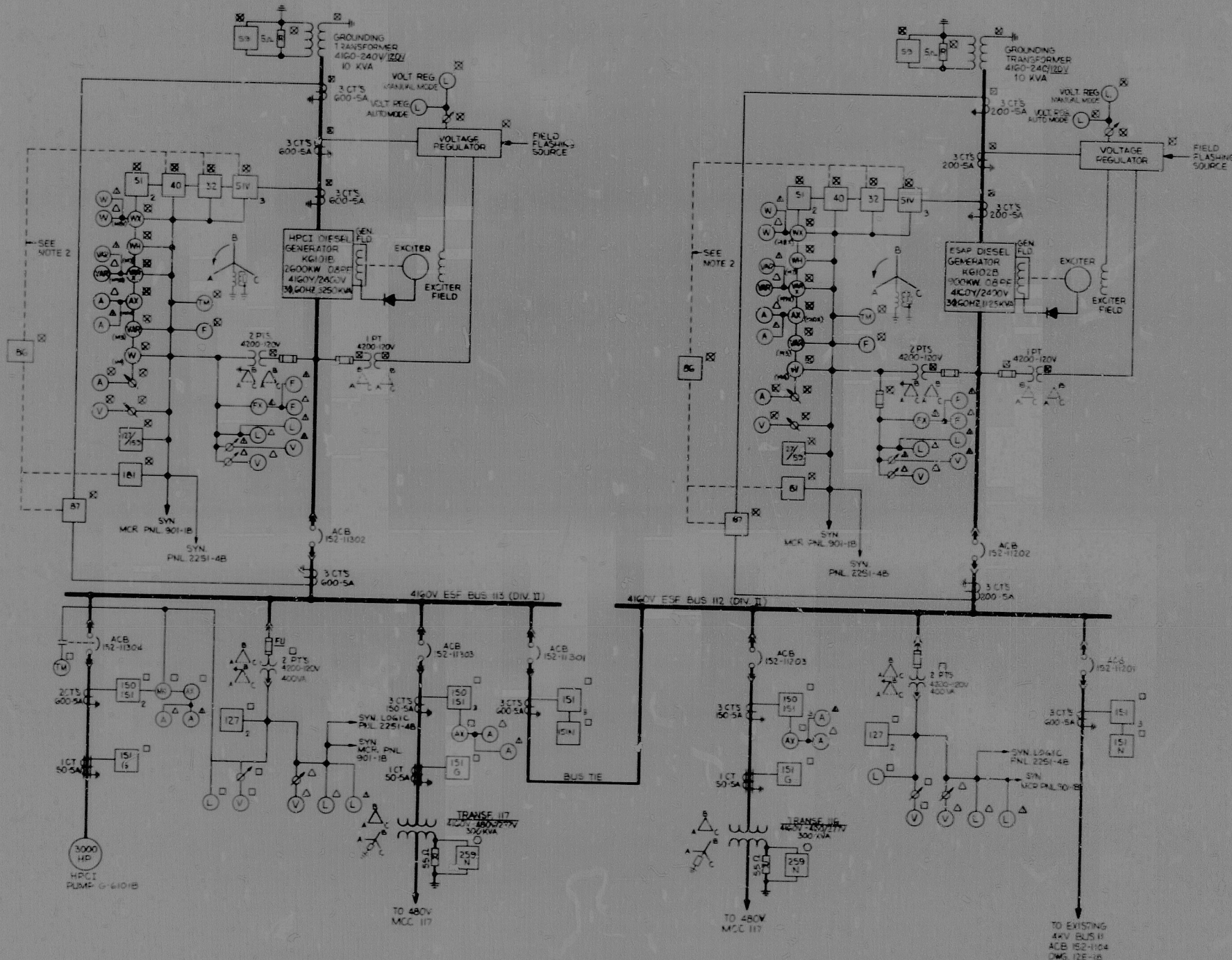


12E-1376



RELAY SCHEDULE & DEVICE NUMBER	RELAY TYPE	FUNCTION
27	51	OVERCURRENT PROTECTION FOR 4160V SWGR BUS II2 & II3
27/59	50	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
30	59	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
40	54	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
50	59	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
54	54	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
59	59	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
84	84	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS
87	87	UNDERVOLTAGE PROTECTION FOR DIESEL GENERATORS

SYM	DESCRIPTION
*	AT DIESEL GENERATOR
+	AT ENGINE CONTROL PANEL
Δ	AT GENERATOR CONTROL PANEL
□	AT MAIN CONTROL ROOM PANEL 901-B
○	AT SWITCHGEAR
◇	AT MCC
△	AT TRANSFORMER PANEL
△	AT HPCI LOGIC CONTROL PANEL 2251-4B

GENERAL NOTES
 1. SYMBOL EXTERNAL TO RELAY SYMBOL INDICATES LOCATION OF RELAY.
 2. INTERLOCKED TO TRIP ONLY IN NON-ACCIDENT CONDITION.
 3. DIESEL GENERATOR MFR'S DEVICE CODES FOR METERS ARE SHOWN IN PARENTHESES EXTERNAL TO THE SYMBOL.

SYM	DESCRIPTION
A	AMMETER
AX	CURRENT TRANSDUCER
F	FREQUENCY METER
L	INDICATING LIGHT
TM	ELAPSED TIME METER
V	VOLTMETER
VAR	VARMETER
VARX	VARMETER TRANSDUCER
W	WATTMETER
WAX	WATT HOUR METER
WAX	WATT TRANSDUCER
SW	INSTRUMENT SWITCH
SYN	RECTIFIER
SYN	SYNCHRONIZING CIRCUIT

NO	DEVICE PREFIX CODES
1	4160V EQUIPMENT
2	480V EQUIPMENT

ESF DIVISION II

NUCLEAR SAFETY RELATED EQUIPMENT IS SHOWN ON THIS DRAWING

SINGLE LINE DIAGRAM
4160V SWGR ESF BUS II2 & II3
HPCI SYSTEM
DRESDEN NUCLEAR POWER STA-UNIT I
COMMONWEALTH EDISON COMPANY
CHICAGO, ILLINOIS

DATE: 3-24-75
 DRAWN: [Signature]
 CHECKED: [Signature]
 ENGINEER: [Signature]
 APPROVED: [Signature]

4000

SARGENT & LUNDY
 CHICAGO

DRAWING NO:
12E-1376

24X

Brett Donney

CWE1201

S04012E-1376

A 24MA76RX

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