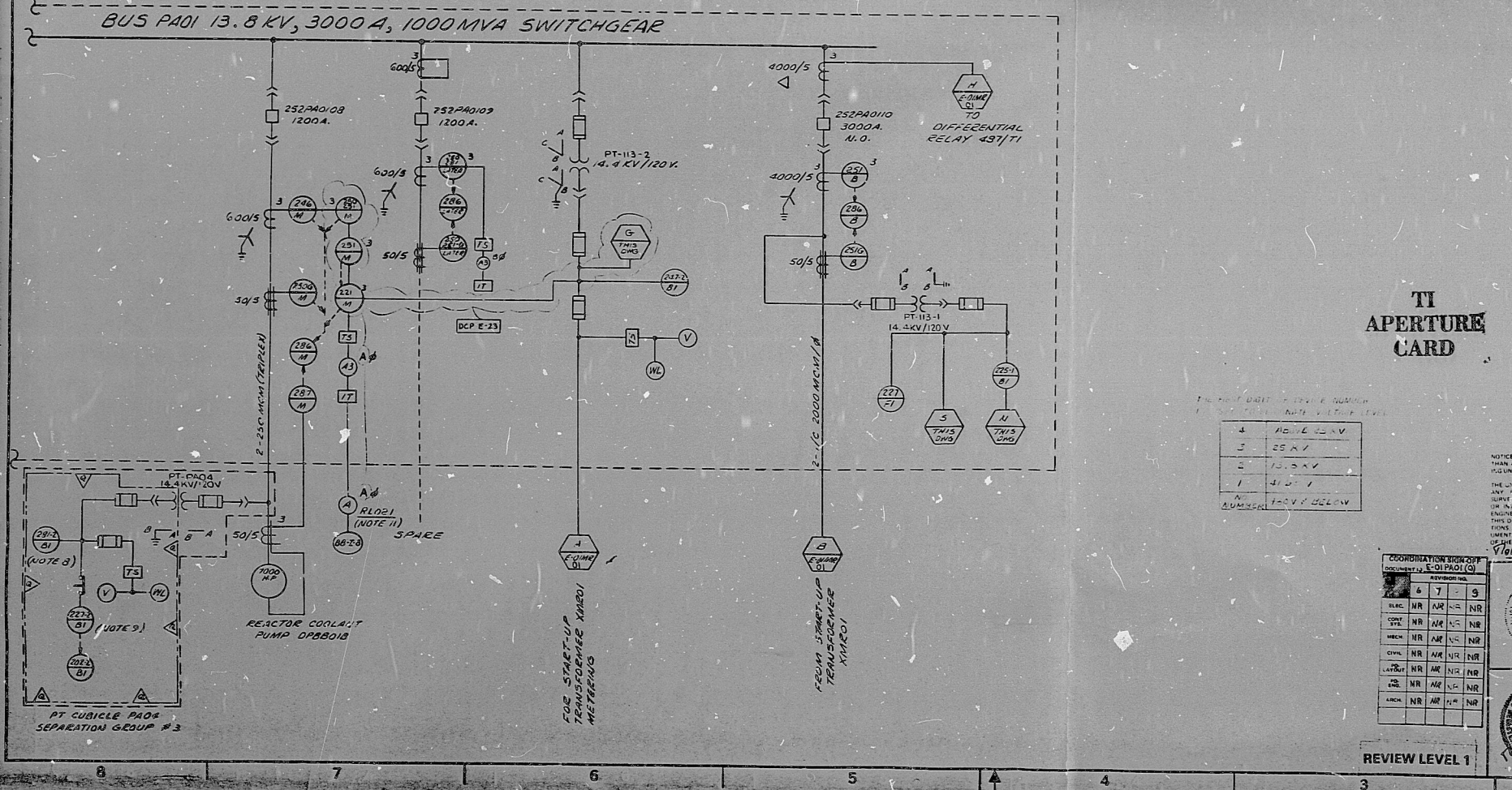


CONTINUED BELOW

NO.	DESCRIPTION	MANUFACTURER	TYPE	ST. & NO.
151	BUS OVERCURRENT RELAY	GE	MCS34	11AC5318034
152	BUS GROUND OVERCURRENT RELAY	GE	MCS34	11TALS34304
153	FEEDER OVERCURRENT RELAY	GE	MCS38	12TALS38011
154	FEEDER GROUND OVERCURRENT RELAY	GE	MCS38	12TALS38011
155	MOTOR OVERCURRENT RELAY	GE	MCS34	12TALS34304
156	MOTOR GROUND OVERCURRENT RELAY	GE	PUC	12PACH11A11A
157	NEGATIVE SEQUENCE PHASE BALANCE CURRENT RELAY	W	CM	2903920421
158	MOTOR DIFFERENTIAL RELAY	W	ITH	2889714421
159	BUS UNDERFREQUENCY RELAY	W	SDA-1	50-103021221
160	NEGATIVE PHASE SEQUENCE BUS VOLTAGE RELAY	W	CVQ	2933464009
161	MOTOR OVERCURRENT RELAY	GE	1AC7M	12407740334
162	LOCKOUT RELAY	GE	NEA	NOTE 14
163	BUS UNDERVOLTAGE RELAY	GE	NGV	2UG1150211
164	AMMETER	GE	A-40	50-103115102
165	WHITE LIGHT	GE	ST16	015467085511
166	KILOWATT METER WITH KOCR OUTPUT	GE	AB40	50-103-224
167	TIMER	W	70-5	150055A114
168	CURRENT TRANSDUCER	GE	472	50-472021002
169	TEST SWITCH	W	FT1	NOTE 12
170	VOLTMETER	GE	AB40	50-103021211
171	KILOWATT HOUR METER	GE	DSW-3	METER WITH 0-81 PULSE GEN
172	SYNCHRO-VERIFY RELAY	W	CVE	2733150109
173	WATT TRANSDUCER (NOTE 13)	GE	472	50-472021000
174	AMMETER	GE	A-40	50-103115102
175	AMMETER	GE	A-40	50-103115102



- NOTES:
- FOR PROTECTIVE RELAY FUNCTIONS, SEE LOGIC DIAGRAMS, 10466-E-02PA01 THRU E-02PA04.
 - EQUIVALENT RELAY CAN BE SUBSTITUTED IF NECESSARY.
 - ALL METERING CABLES FROM SWGE TO MAIN CONTROL BOARD WILL BE #14 AWG.
 - FOR GENERAL NOTES, SYMBOLS AND EQUIPMENT LOCATION INDEX SEE DWG. 10466-E-0100.
 - WGE (KANSAS SITE) — 1-250 MCM (TRIPLEX)
UE (MISSOURI SITE) — 2-750 MCM (TRIPLEX)
(BOTH UNITS)
 - WGE (KANSAS SITE) — 1-1000 MCM/Ø
UE (MISSOURI SITE) — 2-750 MCM (TRIPLEX)
(BOTH UNITS)
 - ALL WIRING AND EQUIPMENT ASSOCIATED WITH BUS PA01-5 SEPARATION GROUP 5, EXCEPT AS OTHERWISE NOTED.
 - UNDERFREQUENCY RELAYS 281-1 AND 281-2 WILL PROVIDE INPUT TO RCP AND REACTOR TRIP WESTINGHOUSE LOGIC FOR A PREDETERMINED UNDERFREQUENCY AS REQUIRED BY WESTINGHOUSE LOSS OF FLOW PROTECTION. (V.P. NO. M-144-022)
 - UNDERVOLTAGE RELAY 227-1 AND 227-2 WILL PROVIDE INPUT TO REACTOR TRIP WESTINGHOUSE LOGIC FOR A PREDETERMINED BUS VOLTAGE AS REQUIRED BY WESTINGHOUSE LOSS OF FLOW PROTECTION. (V.P. NO. M-144-022)
 - ALL C.T. WIRING WILL BE #10 AWG.
 - FOR MANUFACTURER TYPE AND STYLE NUMBER OF THE DEVICES ON THE MAIN CONTROL BOARD (RLOG/RLD) SEE DRAWING 10466-E-04016
 - FOR STYLE NUMBER OF DEVICE 252 SEE V.P. NO. M-144-021
 - UE WAS WATT/VAR COMBINATION KOCR. SEE STYLE # 252-111-0100-0100
 - FOR STYLE NUMBER OF DEVICE 236 SEE BECHTEL V.P. NO. 10466-E-003-246

TI APERTURE CARD

4	10.0E 0.0 V
5	25 K V
6	10.0E 0.0 V
7	10.0E 0.0 V
8	10.0E 0.0 V

NO.	DATE	REVISIONS	BY
1			
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Viola Va-Lee

BECHTEL
GAITHERSBURG, MARYLAND

SNUPPS
HIGHER MEDIUM VOLTAGE SYSTEM
13.8 KV SINGLE LINE
METER AND RELAY DIAGRAM

UTILITY DRAWING NO. REV. 1

10466 E-OIPAOI(Q) 9

SCALE: SITE AS RELATED 1/4" = 1'-0"

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PDR RIDS

