SCALING RULES

SIZE E

2400 V. STATION POWER BUS METERING & SYNCHRONIZING SCHEME A1008

STATION POWER TRANSFORMER NO 1-2 6/9 MVA. 55°/65°C., OA 3 Ø, 60 Hz, 21-24 KV, Z = 9.3%

STATION POWER TRANSFORMER NO 1-2 DIFFERENTIAL SCHEME X021

2400 V. FEEDER SCHEME A1105

2400 V. FEEDER SCHEME A1203

2400V BUS 1C, METERING & SYNCHRONIZATION SCHEME A1001

2400V BUS 1D, METERING & SYNCHRONIZATION SCHEME A1002

2400V. LOADS REFER TO DETAILS SEE SHEET E-12

2400V START-UP BUS METERING & SYNCHRONIZING SCHEME A1007

START-UP TRANSFORMER NO 1-2 GROUNDING SCHEME F93

START-UP TRANSFORMER NO 1-2 9.5/10.6 MVA. 55°/65°C., OA. 3 Ø, 60 Hz, 345-2.4 KV. Z = 11.5%

2400 V FEEDER SCHEME A1106

2400 V FEEDER SCHEME A1202

2400V FEEDER SCHEME A1099

RESERVE TRANSFORMER 5 MVA., 55°C OA 3 Ø, 60 Hz, 4.16-2.4 KV Z = 5.5%

PHASE SEQUENCE X-Y-Z

STATION START-UP TRANSFORMER NO 1-2 DIFFERENTIAL SCHEME X041

NOTES

1. SEE DWG. E-9 FOR GENERAL NOTES.
2. FOR VOLTMETER SWITCH DEVELOPMENT SEE DWG. E-9.
3. FOR CIRCUIT BLOCK DIAGRAMS SEE DWG. E-12.
4. FOR SYNCHRONIZING SWITCH DEVELOPMENT SEE DWG. DWG. E-131 & E-132.
5. WITHDRAW DIFFERENTIAL RELAT 487-S2 & OVERCURRENT RELAY 450/451-S1 BEFORE ENERGIZING RESERVE TRANSFORMER.

CP CO.	CP CO.	NO.	DATE	REVISIONS	ENG. BY	CHK.	APPR.	PROJ. ENGR.	CHIEF ENGR.
		3-1077		ADDED 150/1 5A RAT SERIES PER SPC 76-037	FGB				
		10	10/10/77	ADD TRT 1-2 CRSD CT RATIO TO 1000:5 ADDED 52/52A AUX (SHEET 2) TO 1400-336 LOW SIDE CT					
		9	6/10/76	ISSUED AS BUILT 5935-O					
		8	1/26/76	REVISED C.T. RATIO TO DIFFERENTIAL C.T'S S.U 1-2 PER AS BUILT DATA					
		7	5/4/73	ADDED SUCCESSIVE RELAY TO START TRANSFER SCHEME RELAY FOR SAME. ADDED NOTE 5.	M.T.				
		6	1/8/73	REVD AS BUILT PER CPCO					
		5	12/6/72	ADDED RESERVE TRANS & SWEAR FEED TO SUTRANS. 1-3 FOR PLANT MODIFICATION	M.T.				
		4	8/4/71	REVISED AS BUILT PER CPCO. REV. 3F.	M.T.				
		3	5/6/71	AS BUILT PER CP CO.	M.T.				
		2	1/1/71	ADDED HOT SPOT & 127-4 RELATS. REV. CONTACT NUMBERS.	M.T.				
		1	1/21/70	127-1 & 127-2 CONNECTIONS REVISED					
		0	1/21/70	ISSUED FOR CONSTRUCTION.	M.T.				

BECHTEL COMPANY

PALISADES PLANT
CONSUMERS POWER COMPANY

SCHEMATIC METER & RELAY DIAGRAM
2.4 KV SYSTEM

JOB No.	DRAWING No.	REV.
5935	E-11	11