DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala,CC	24,260	R5.9/R6.2, R0.0/R0.5,R0.9/R1.9	45	100

REGISTERED ELECTRICAL ENGINEER — 02-26-08 DATE

REGISTERED PROFESSIONAL ENGINEER ROBERT J. FEE No. E-13014 Exp. 6/30/09 ELEC STATE OF CALIFORNIA

11-24-08
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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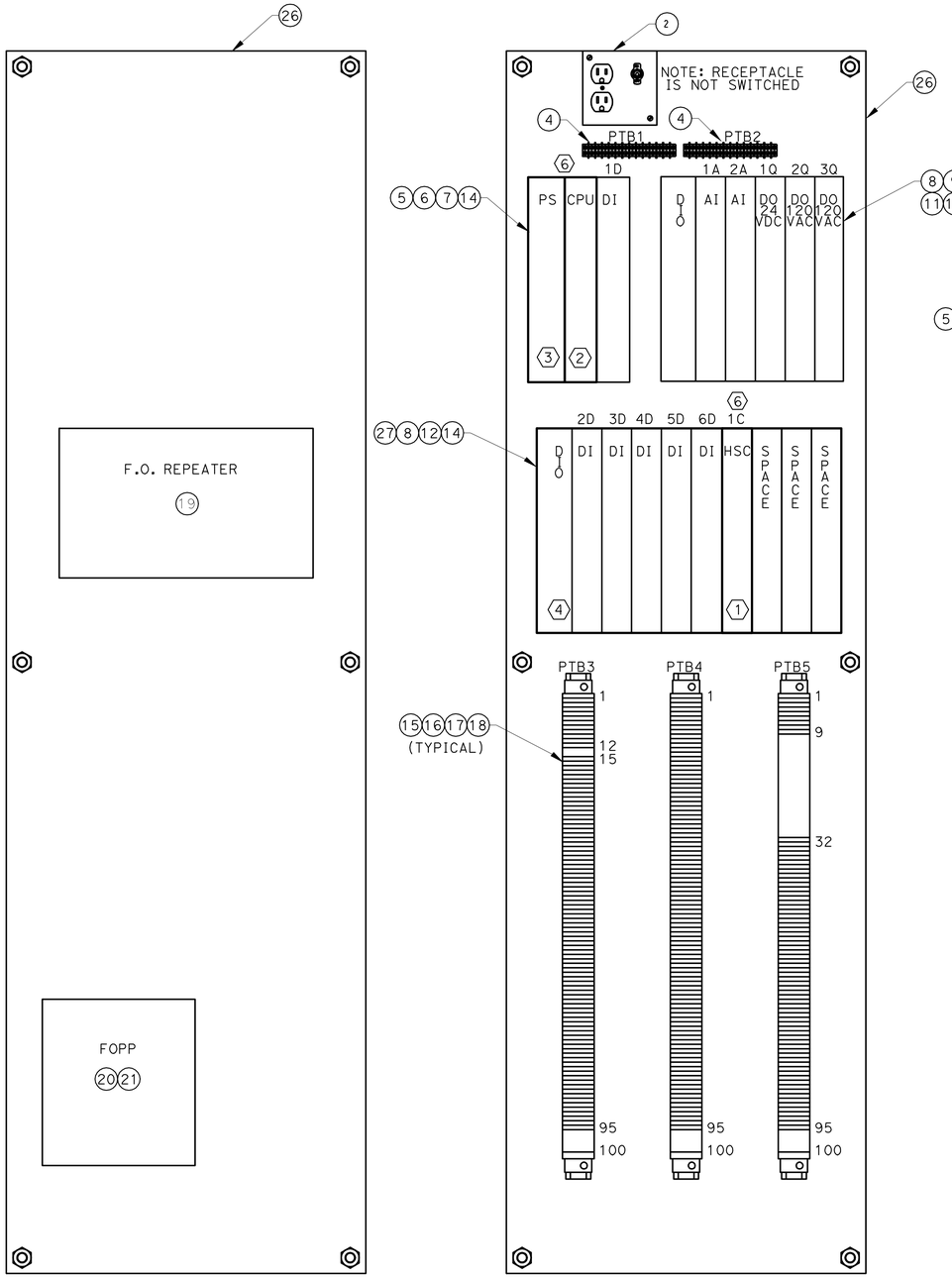
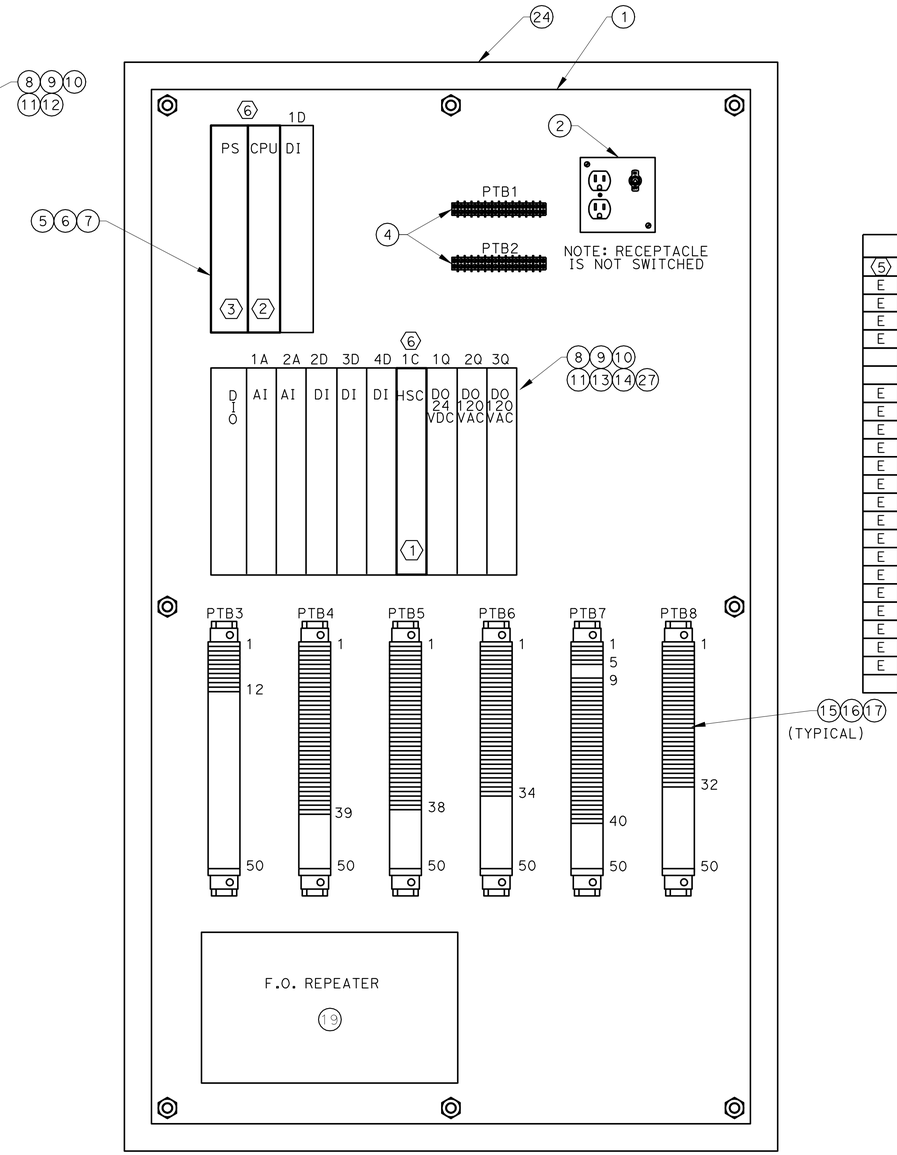


* EXISTING PANEL

PLC 5 COMMUNICATION INTERFACE PANEL **PLC No. 5**

OAKLAND PORTAL BLDG.



* EXISTING PANEL

PLC No. 6

ALAMEDA PORTAL BLDG.

BILL OF MATERIAL				
⟨5⟩	ITEM	QTY	DESCRIPTION	MFG./PART NO.
E	1	1	ALUMINUM PANEL, 33"x57"x1/8"	HSQ,
E	2	2	POWER RECEPTACLE/SWITCH HOUSING	HSQ,
E	4	4	TERMINAL BLOCK, 12 POSITION	CURTIS, 1212W
E	5	2	BACKPLANE, 3 SLOT	MODICON, 140XBP00300
	6	2	POWER SUPPLY, 115VAC	
	7	2	QUANTUM CPU CARD	
E	8	3	DISTRIBUTED I/O DROP ADAPTER & P.S.	MODICON, 140CRA21110
E	9	4	ANALOG INPUT MODULE	MODICON, 140AV103000
E	10	2	DISCRETE DC OUTPUT MODULE	MODICON, 140DDO84300
E	11	4	DISCRETE AC OUTPUT MODULE	MODICON, 140DAC84210
E	12	1	BACKPLANE, 6 SLOT	MODICON, 140XBP00600
E	13	2	BACKPLANE, 10 SLOT	MODICON, 140XBP01000
E	14	10	DISCRETE DC INPUT MODULE	MODICON, 140DDI135300
E	15	A/R	DIN RAIL	ENTRELEC, PR122
E	16	24	END ANCHOR	ENTRELEC, BAM
E	17	A/R	TERMINAL BLOCK	ENTRELEC, M4/6:ADO
E	18	12	END BARRIER	ENTRELEC, FEMADI
E	19	2	FIBER OPTIC REPEATER	MODICON, 490NRP25400
E	20	1	FIBER OPTIC PATCH PANEL, 24 FIBER	SIECOR, WIC024
E	21	4	CONNECTOR PANEL	SIECOR, WIC-CPI-25
E	24	1	ENCLOSURE 36"x60x12"	HOFFMAN
E	26	2	ALUMINUM PANEL 20"x68"x1/8"	HSQ
	27	2	HIGH SPEED COUNTER MODULE	

NOTES:

⟨1⟩ INSTALL NEW HIGH SPEED COUNTER MODULE.

⟨2⟩ REPLACE EXISTING CPU WITH NEW CPU LATEST MODEL.

⟨3⟩ REPLACE EXISTING POWER SUPPLY WITH THE LATEST MODEL AND SUFFICIENT AMPERAGE.

⟨4⟩ REPLACE 6-SLOT WITH 10-SLOT BACKPLANE.

⟨5⟩ "E" DENOTES EXISTING EQUIPMENT.

⟨6⟩ BOLD FACE OR HIGHLIGHTED INDICATES NEW EQUIPMENT.

	BY	CHECKED
DESIGN	G.RUSSELL	D.LE
DETAILS	D.LE	S.LO
QUANTITIES	D.LE	S.LO

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. VARIES
POST MILE VARIES

SCADA SYSTEM UPGRADE: POSEY/WEBSTER STREET TUBES AND CALDECOTT TUNNEL

POSEY TUBE PLCs

SHEET **EE4-3**

DOES SD Imperial Rev.1/07

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 04220
EA 1A4604

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 40 OF 95

26-NOV-2008 12:53
EE4-3.dgn