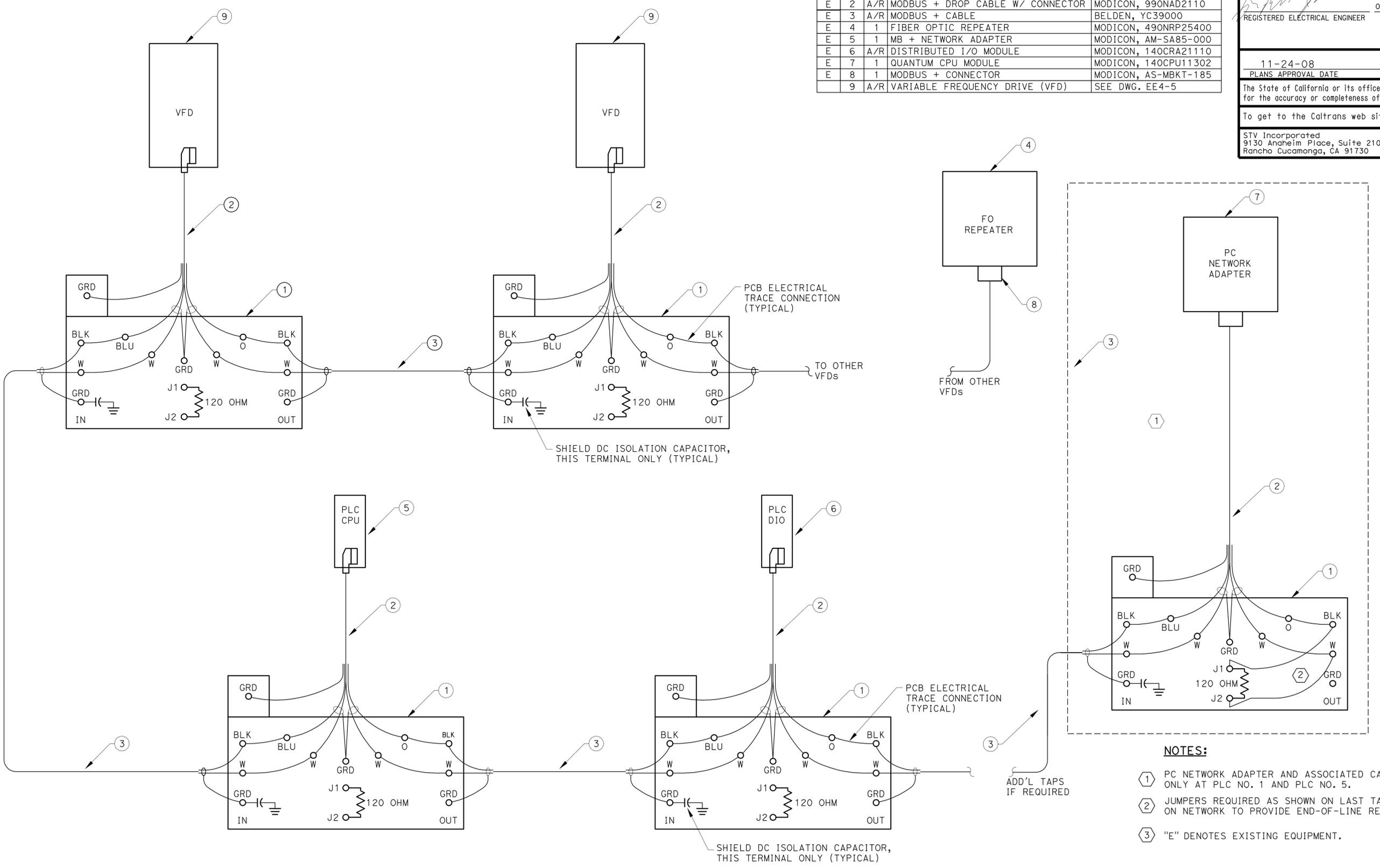


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	24, 260	R5.9/R6.2, R0.0/R0.5, R0.9/R1.9	53	100

REGISTERED ELECTRICAL ENGINEER  
 DATE 02-26-08  
 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.  
 To get to the Caltrans web site go to <http://www.dot.ca.gov>  
 STV Incorporated 9130 Anaheim Place, Suite 210 Rancho Cucamonga, CA 91730  
 JDL Design, LLC 18582 Beach Blvd, Suite 229 Huntington Beach, CA 92647

BILL OF MATERIALS					
ITEM	QTY	DESCRIPTION	MFG./PART NO.		
③	1	MODBUS + TAP	MODICON, 990NAD23000		
E	2	MODBUS + DROP CABLE W/ CONNECTOR	MODICON, 990NAD2110		
E	3	MODBUS + CABLE	BELDEN, YC39000		
E	4	FIBER OPTIC REPEATER	MODICON, 490NRP25400		
E	5	MB + NETWORK ADAPTER	MODICON, AM-SA85-000		
E	6	DISTRIBUTED I/O MODULE	MODICON, 140CRA21110		
E	7	QUANTUM CPU MODULE	MODICON, 140CPU11302		
E	8	MODBUS + CONNECTOR	MODICON, AS-MBKT-185		
9	A/R	VARIABLE FREQUENCY DRIVE (VFD)	SEE DWG. EE4-5		



- NOTES:**
- ① PC NETWORK ADAPTER AND ASSOCIATED CABLING ONLY AT PLC NO. 1 AND PLC NO. 5.
  - ② JUMPERS REQUIRED AS SHOWN ON LAST TAP(S) ON NETWORK TO PROVIDE END-OF-LINE RESISTOR.
  - ③ "E" DENOTES EXISTING EQUIPMENT.

DESIGN BY <b>G. RUSSELL</b> CHECKED <b>D. LE</b>	DETAILS BY <b>D. LE</b> CHECKED <b>S. LO</b>	QUANTITIES BY <b>D. LE</b> CHECKED <b>S. LO</b>	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. VARIES	<b>SCADA SYSTEM UPGRADE: POSEY/WEBSTER STREET TUBES AND CALDECOTT TUNNEL</b>	SHEET			
					POST MILE VARIES		<b>EE4-11</b>			
					MODBUS PLUS NETWORK CABLE ARRANGEMENT - TYPICAL					
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	OF	
DOES SD Imperial Rev. 1/07									48	95

26-NOV-2008 13:33  
EE4-11.dgn