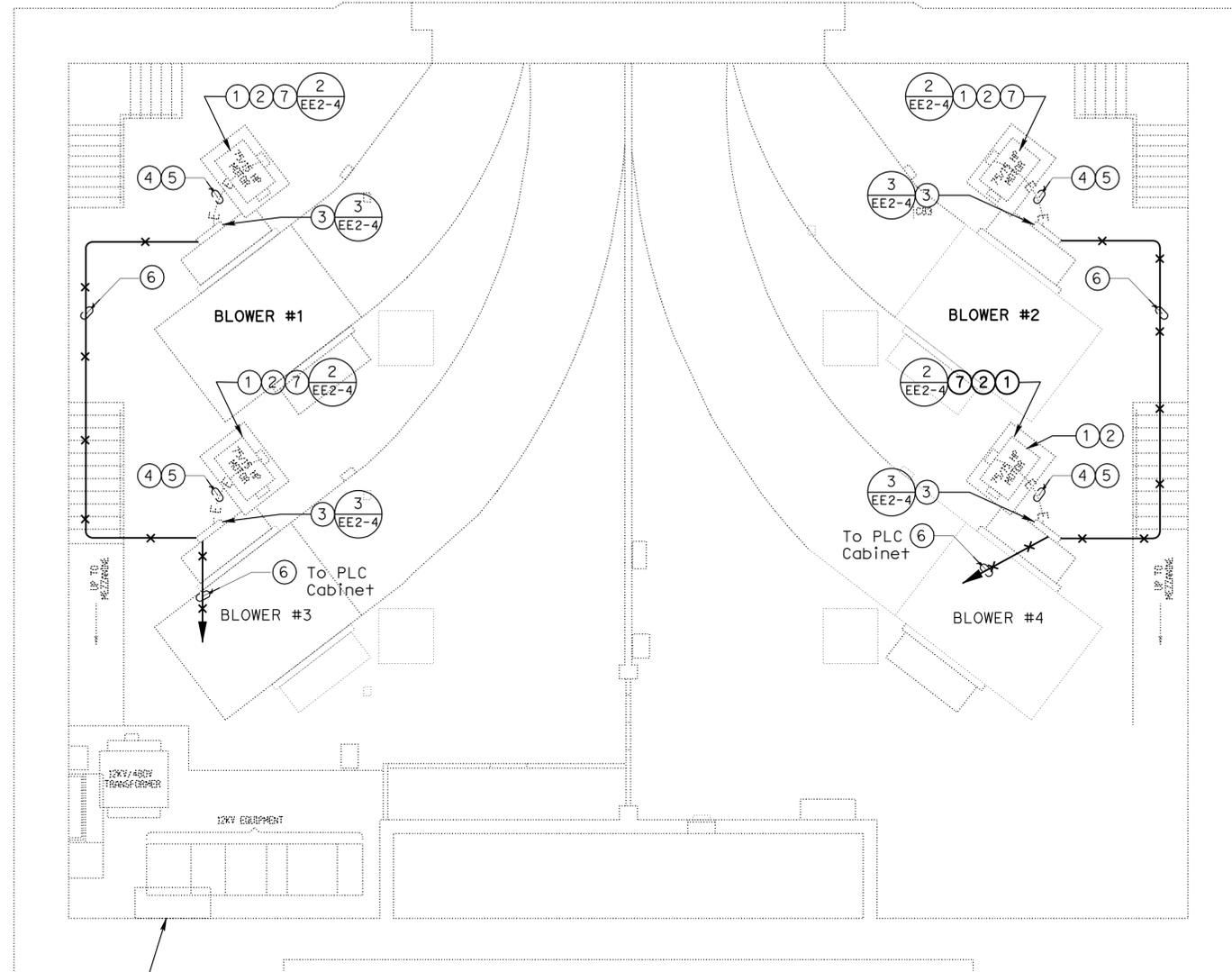
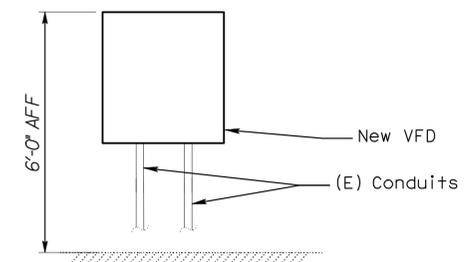


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	24,260	R5.9/R6.2, R0.0/R0.5, R0.9/R1.9	35	100
 REGISTERED ELECTRICAL ENGINEER			02-26-08 DATE		
11-24-08 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
STV Incorporated 9130 Anaheim Place, Suite 210 Rancho Cucamonga, CA 91730					



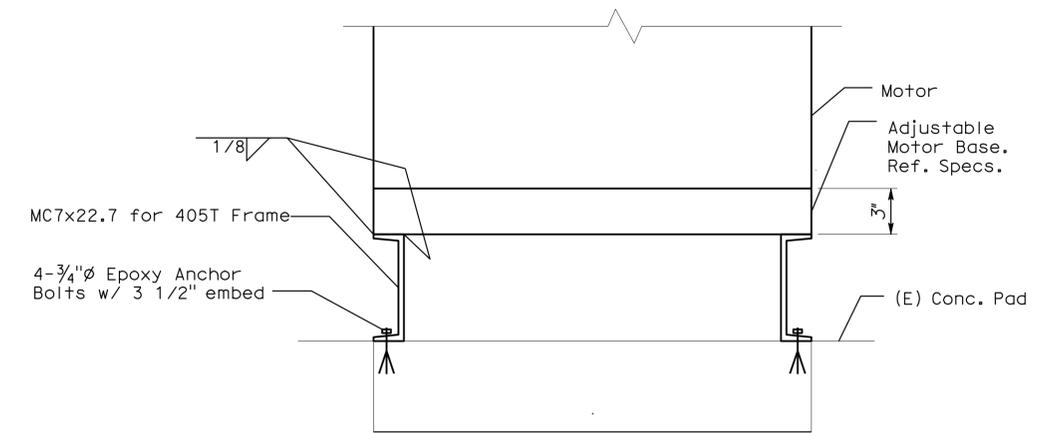
**1 POSEY TUBE ALAMEDA PORTAL BUILDING BASEMENT - POWER PLAN**  
 EE2-4 SCALE 1/8" = 1'-0"



**3 TYPICAL VFD MOUNTING ELEVATION**  
 EE2-4 NOT TO SCALE

**POSEY LOWER LEVEL - NOTES:**

- 1 Replace the existing 75 Hp, 2-speed Blower Fan Motor with new 405 frame, 75 Hp, 460 V 3 Phase, 1800 RPM base, inverter rated motor.
- 2 Remove existing motor supports down to concrete and replace with new motor adjustment base per detail this sheet, for new 405 frame motor.
- 3 Replace (E) 75 Hp, 2 speed Blower Starter with new VFD on slotted channel framing or equal, adjacent to existing motor base.
- 4 Replace existing feeder with new 3 #1/0 and 1 #2 Ground in existing conduit.
- 5 Provide new liquid tight flex for final connection to new motor.
- 6 3/4" C with Modbus Plus cable as recommended by Modicon.
- 7 Align new motors on new bases for proper sheave alignment and belt tension.



**2 ELECTRIC MOTOR CONNECTION TO (E) CONCRETE**  
 EE2-4 NOT TO SCALE

DESIGN BY G. MARAVILLA	CHECKED R. FEE	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIES	<b>SCADA SYSTEM UPGRADE: POSEY/WEBSTER STREET TUBES AND CALDECOTT TUNNEL</b>	SHEET OF
DETAILS BY G. MARAVILLA	CHECKED R. FEE		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE VARIES		EE2-4
QUANTITIES BY G. MARAVILLA	CHECKED R. FEE		CU 04220 EA 1A4604	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)