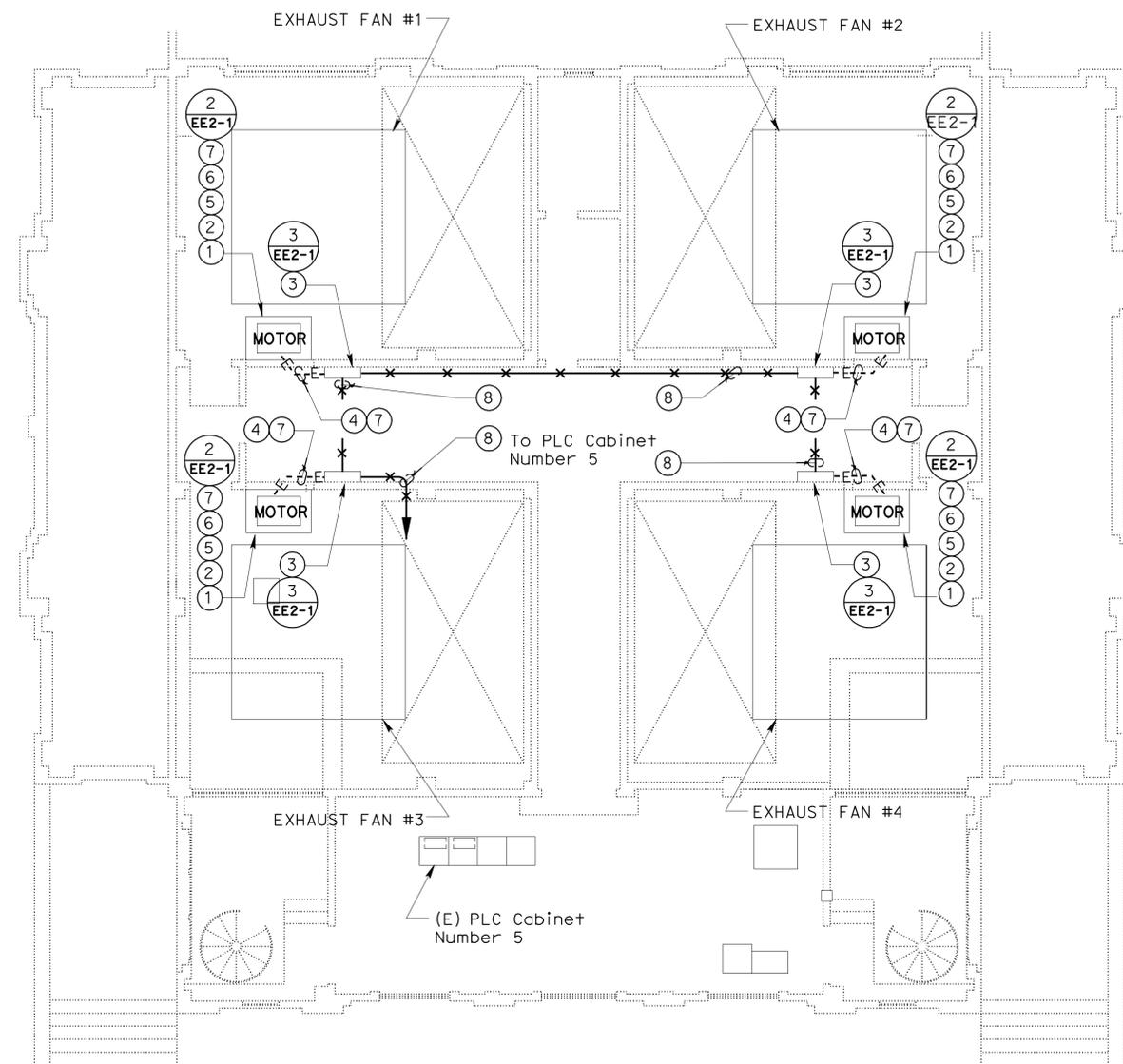
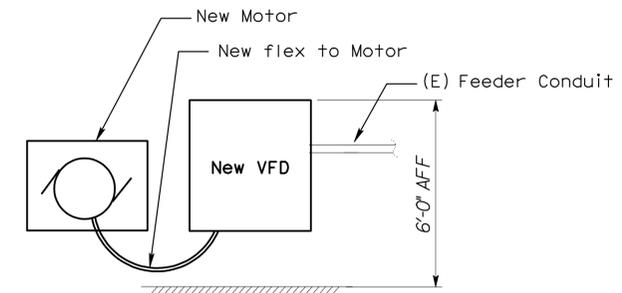


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	24,260	R5.9/R6.2, R0.0/R0.5, R0.9/R1.9	32	100
 REGISTERED ELECTRICAL ENGINEER			02-26-08 DATE		
11-24-08 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
STV Incorporated 9130 Anaheim Place, Suite 210 Rancho Cucamonga, CA 91730					



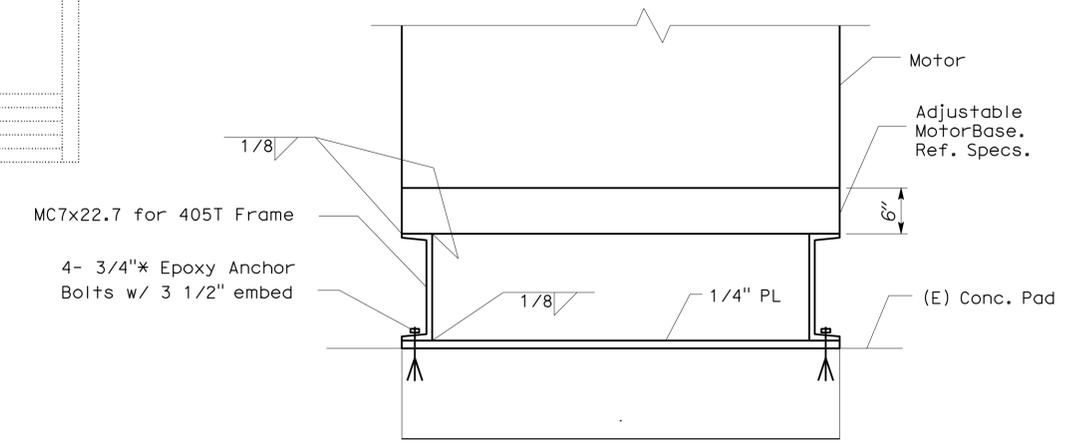
POSEY UPPER LEVEL - NOTES:

- ① Replace the existing 75 Hp, 2-speed Exhauster Fan Motor with new 405 frame, 75 Hp, 460 V, 3 Phase, 1800 RPM base, inverter rated motor.
- ② Remove existing motor adjustment base and replace with new. See detail this sheet for new 405 frame motor.
- ③ Replace the existing 75 Hp, 2-speed Exhauster Fan Starter with VFD.
- ④ Replace existing feeder with new 3 #1/0 and 1 #2 Ground in existing conduit.
- ⑤ Re-use existing sheave and existing belt drive from existing motor.
- ⑥ Align new motors on new bases for proper sheave alignment and belt tension.
- ⑦ Provide new liquid tight flex for final connection to new motor.
- ⑧ 3/4" C with Modbus Plus cable as recommended by Modicon.



3 TYPICAL VFD MOUNTING DETAIL
EE2-1
NOT TO SCALE

1 POSEY TUBE OAKLAND PORTAL BUILDING EXHAUST FAN ROOM - POWER PLAN
SCALE 1/8" = 1'-0"



2 ELECTRIC MOTOR CONNECTION TO (E) CONCRETE
EE2-1
NOT TO SCALE

DESIGN	BY	G. MARAVILLA	CHECKED	R. FEE	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	SHEET EE2-1
	DETAILS	BY	G. MARAVILLA	CHECKED						
QUANTITIES	BY	G. MARAVILLA	CHECKED	R. FEE	CU 04220 EA 1A4604	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF 27 95