

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	49	100

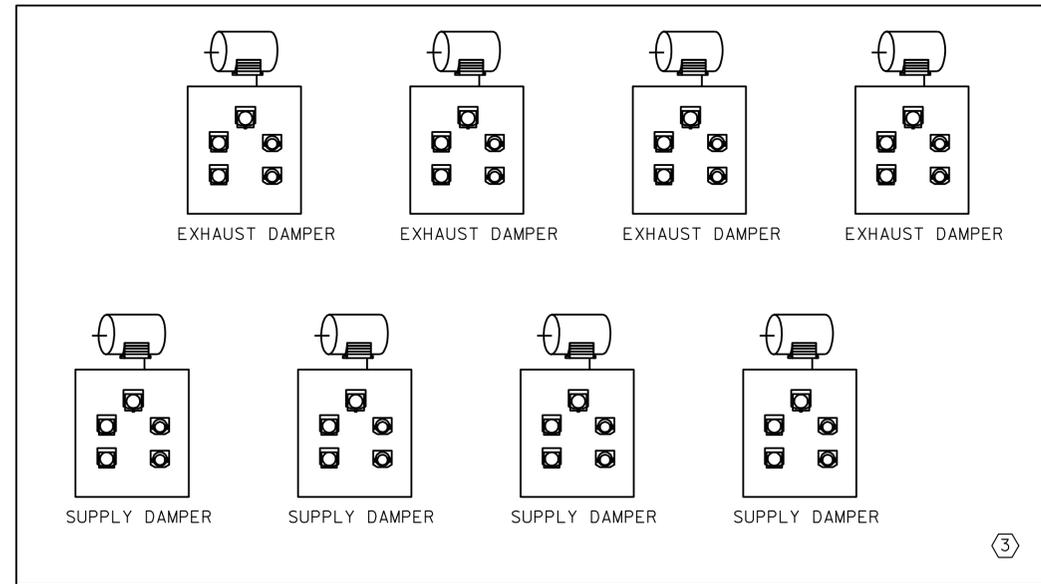
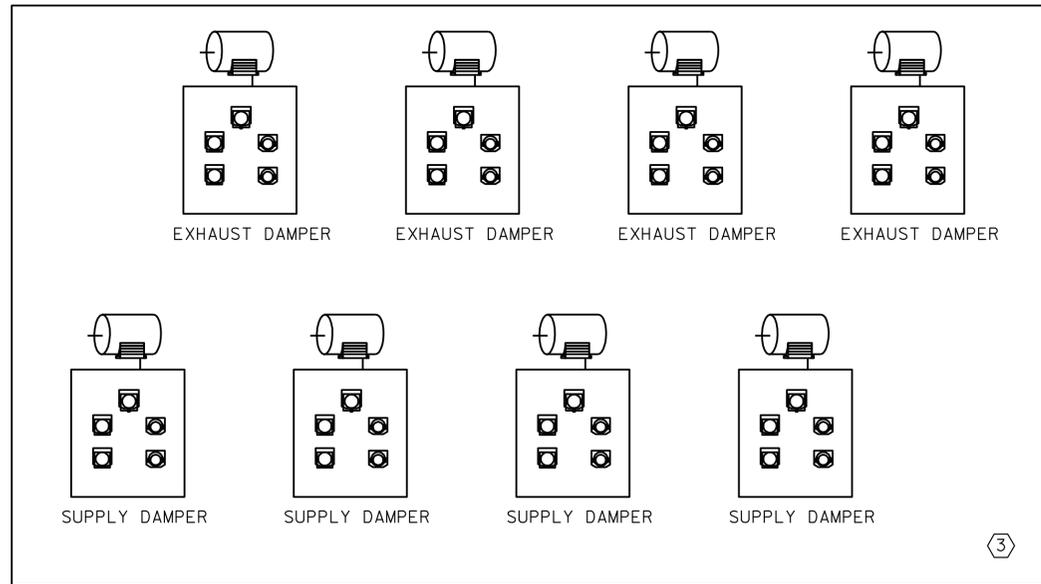
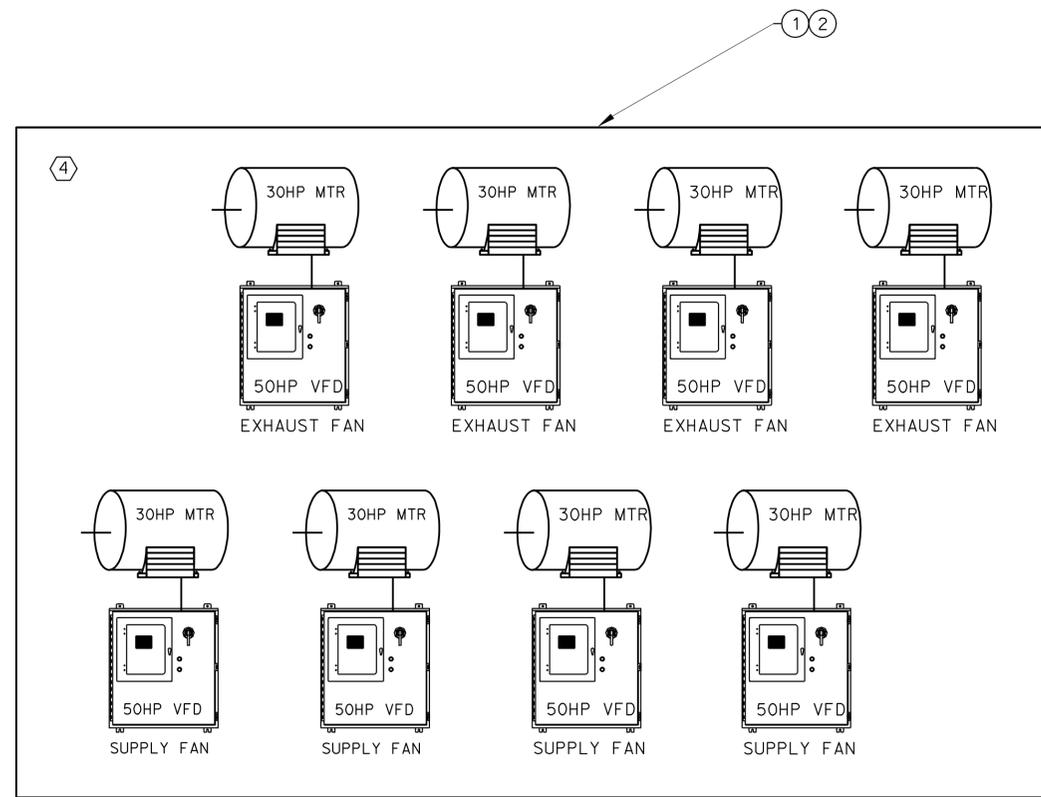
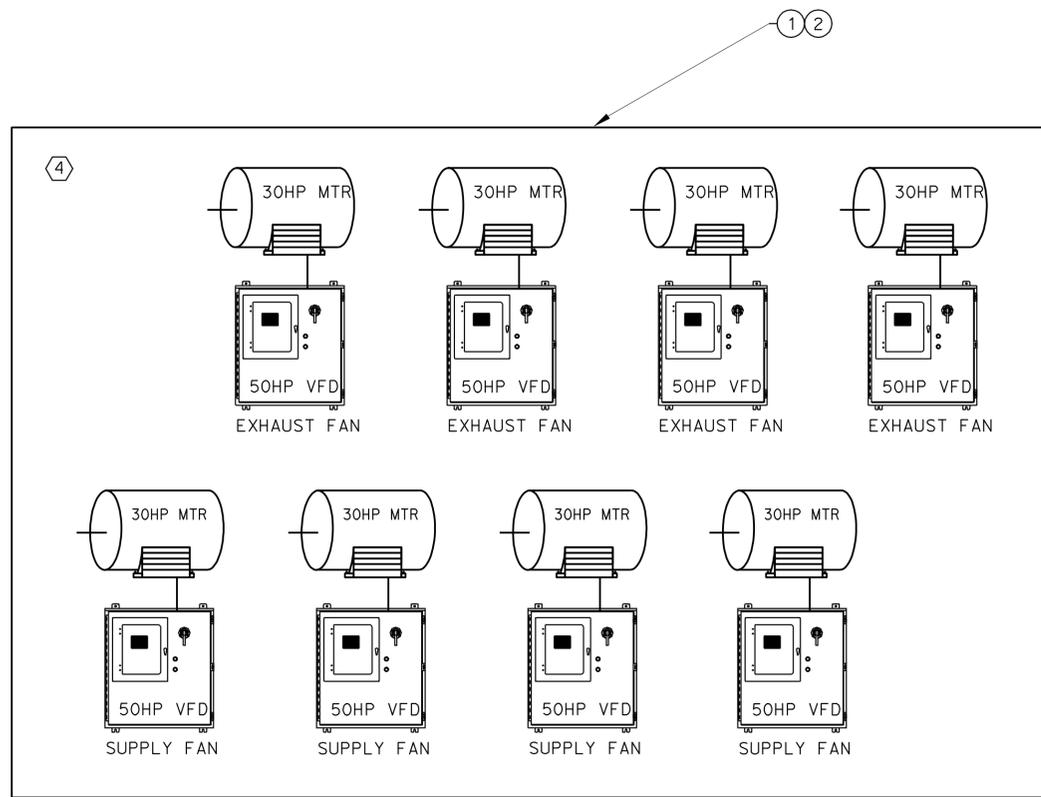
  
 REGISTERED ELECTRICAL ENGINEER DATE 02-26-08

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.

STV Incorporated 9130 Anaheim Place, Suite 210 Rancho Cucamonga, CA 91730  
 JDL Design, LLC 18582 Beach Blvd, Suite 229 Huntington Beach, CA 92647

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



**WEBSTER TUBE OAKLAND (@ PLC 7)**

**WEBSTER TUBE ALAMEDA (@ PLC 8)**

BILL OF MATERIALS			
ITEM	QTY	DESCRIPTION	MFG./PART No.
1	16	VARIABLE FREQUENCY DRIVE - 50HP	SEE NOTE 1
2	16	TEFC INVERTER DUTY MOTOR - 30HP	SEE NOTE 2

- NOTES:**
- ① TOSHIBA AS-1 SERIES, ALLEN BRADLEY POWERFLEX 400, ABB ACS800 SERIES OR APPROVED EQUAL.
  - ② TOSHIBA TEFC PREMIUM EQPIII, TECO-WESTINGHOUSE MAX-E1 NEMA PREMIUM TEFC, RELIANCE V\* S MASTER INVERTER DUTY AC MOTOR, OR APPROVED EQUAL.
  - ③ EXISTING DAMPERS/MOTORS/STARTERS.
  - ④ MOTOR RATING: 460VAC, 3-PHASE, 1800 RPM.

DESIGN	BY	G. RUSSELL	CHECKED	D. LE	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	VARIES	SCADA SYSTEM UPGRADE: POSEY/WEBSTER STREET TUBES AND CALDECOTT TUNNEL VFD/DAMPER-MOTOR SYSTEM OVERVIEW -WEBSTER STREET TUBE OAKLAND/ALAMEDA	SHEET	OF
	DETAILS	BY	D. LE	CHECKED			S. LO			VARIES	POST MILE
QUANTITIES	BY	D. LE	CHECKED	S. LO	CU 04220 EA 1A4604	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			44	95

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

DOES SD Imperial Rev. 1/07

26-NOV-2008 12:55  
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