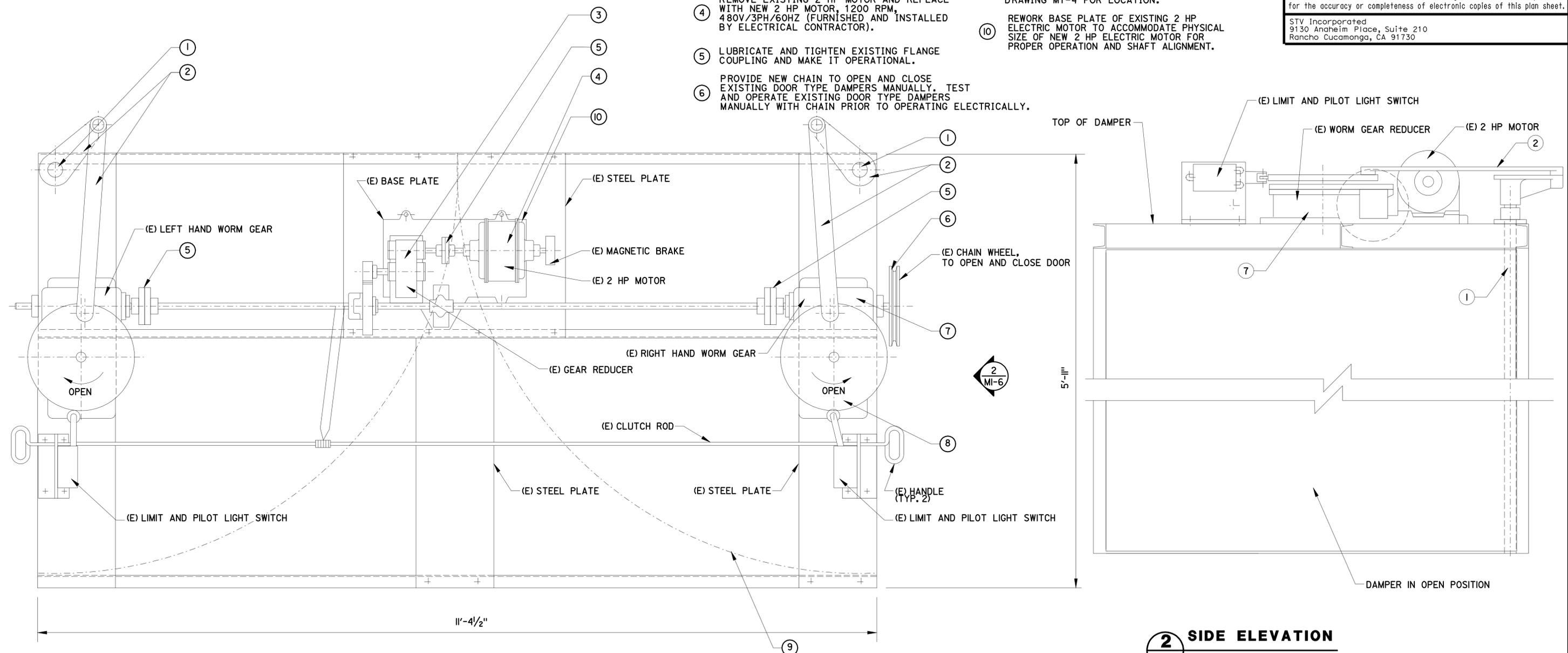


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	24,260	R5.9/R6.2, R0.0/R0.5, R0.9/R1.9	21	100

REGISTERED MECHANICAL ENGINEER	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	

- NOTES:
- ALL WORK ASSOCIATED WITH BLOWER #1 & #4 SHALL BE DONE UNDER PHASE I.
 - ALL WORK ASSOCIATED WITH BLOWER #2 & #3 SHALL BE DONE UNDER PHASE 2.

- KEYNOTES:
- LUBRICATE AND REWORK EXISTING 2" DIAMETER DAMPER SHAFT DRIVING EXISTING DOOR TYPE DAMPERS TO PROVIDE FOR FREE SWINGING DOOR ASSEMBLY.
 - REMOVE EXISTING LINKAGES AND REPLACE WITH NEW LINKAGES TO MATCH EXISTING.
 - LUBRICATE EXISTING GEAR REDUCER AND MAKE IT OPERATIONAL.
 - REMOVE EXISTING 2 HP MOTOR AND REPLACE WITH NEW 2 HP MOTOR, 1200 RPM, 480V/3PH/60HZ (FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR).
 - LUBRICATE AND TIGHTEN EXISTING FLANGE COUPLING AND MAKE IT OPERATIONAL.
 - PROVIDE NEW CHAIN TO OPEN AND CLOSE EXISTING DOOR TYPE DAMPERS MANUALLY. TEST AND OPERATE EXISTING DOOR TYPE DAMPERS MANUALLY WITH CHAIN PRIOR TO OPERATING ELECTRICALLY.
 - LUBRICATE EXISTING RIGHT-HAND WORM GEAR AND MAKE IT OPERATIONAL (TYPICAL FOR LEFT-HAND WORM GEAR).
 - LUBRICATE EXISTING WORM GEAR REDUCER AND BALL BEARING AND MAKE THEM OPERATIONAL.
 - TWO (2) EXISTING DOOR TYPE DAMPERS INSIDE FRESH AIR DUCT DOWNSTREAM OF EXISTING BLOWERS #1, #2, #3 AND #4 CLEAN, SAND, AND PAINT TO MAKE THEM OPERATIONAL. SEE DRAWING M1-4 FOR LOCATION.
 - REWORK BASE PLATE OF EXISTING 2 HP ELECTRIC MOTOR TO ACCOMMODATE PHYSICAL SIZE OF NEW 2 HP ELECTRIC MOTOR FOR PROPER OPERATION AND SHAFT ALIGNMENT.



1 DAMPER DOOR ASSEMBLY PLAN DOWNSTREAM OF BLOWER #4 (SHOWN)
 SCALE: 1 1/2" = 1'-0" (TYPICAL FOR BLOWERS #1, #2 AND #3, DAMPER DOOR ASSEMBLIES)

2 SIDE ELEVATION
 SCALE: 1 1/2" = 1'-0"

DESIGN	BY	C. CASTILLO	CHECKED	H. MOZAFFARI	PREPARED FOR THE STATE OF CALIFORNIA 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	SHEET M1-6			
	DETAILS	BY	C. CASTILLO	CHECKED			H. MOZAFFARI	POST MILE			VARIES		
	QUANTITIES	BY	C. CASTILLO	CHECKED			H. MOZAFFARI	VARIES			VARIES		
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	17 OF 96