

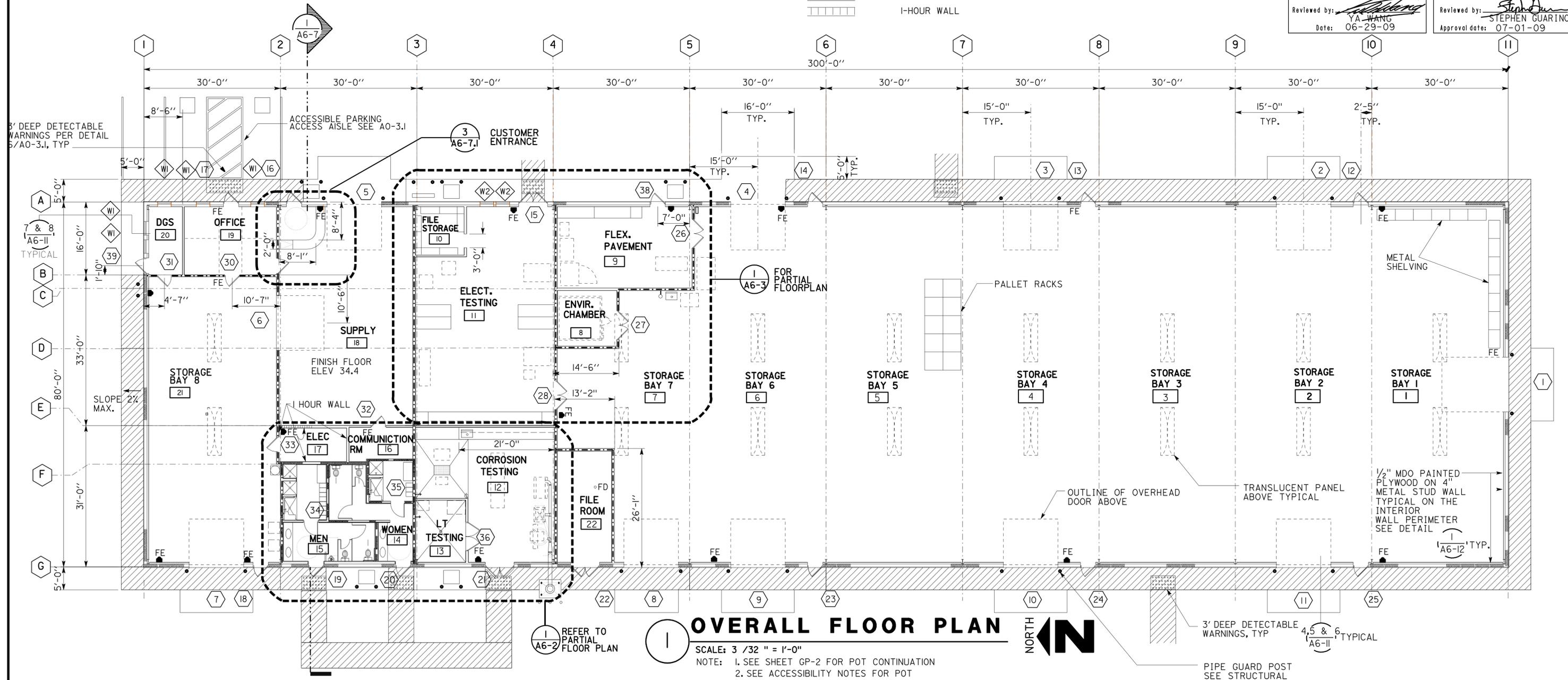
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03	Sac	5501		45	172

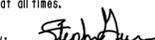
 LICENSED ARCHITECT DATE		
11-23-09 PLANS APPROVAL DATE <i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>		

NOTE:
 "PROVIDE CONTINUOUS 3' DEEP DETECTABLE WARNING AT THE OUTER EDGE OF THE ENTIRE PAVED WALKWAYS (STRIPED OR NOT) SURROUND THE STORAGE BLDG. EXCEPT WHERE OCCUPIED BY OUTDOOR MECHANICAL EQUIPMENT. STRIPED WALKWAY SHALL INCLUDE THAT PORTION BETWEEN GRID LINES A & B ON THE NORTH SIDE OF THE BLDG. THAT IS NOT OTHERWISE SHOWN ON THE FLOOR PLAN.
 ALSO, PROVIDE CONTINUOUS 3' DEEP DETECTABLE WARNING AT THE OUTER EDGE OF THE ENTIRE STRIPED WALKWAY SURROUND THE REPAIR SHOP BLDG. ON ALL SIDES, EXCEPT THAT ON THE WEST SIDE. DETECTABLE WARNING SHALL BE INSTALLED AT THE OUTER EDGE OF THE ENTIRE 10' WIDE WALKWAY/DRIVEWAY."

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

- LEGEND:**
 THESE KEYNOTES APPLY TO THIS SHEET ONLY
- -
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 03-2C8441 DISTRICT - EA Reviewed by:  Date: 06-29-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  Approval date: 07-01-09
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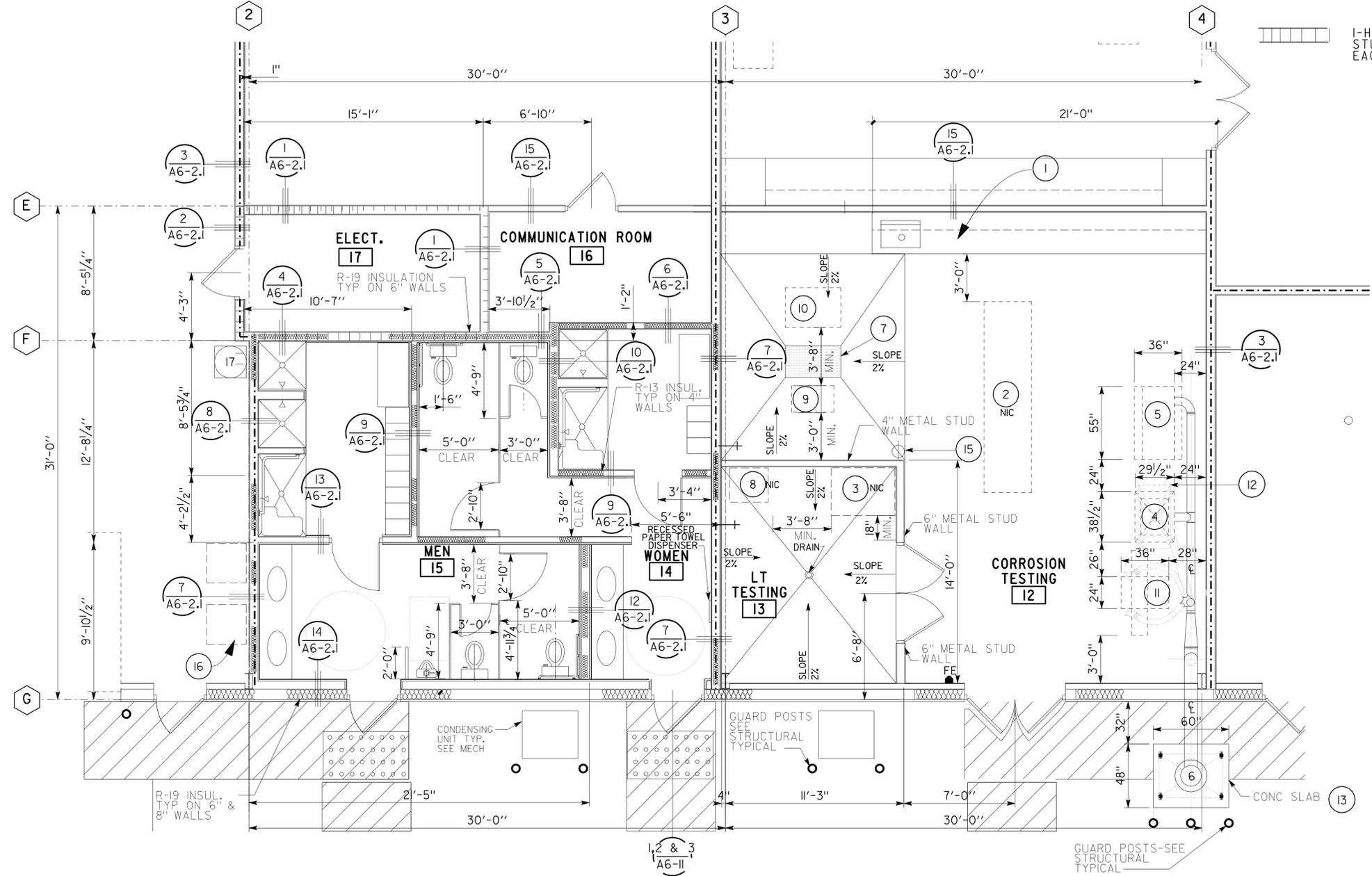
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	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 07/06/09 07/01/09	SHEET OF X X		

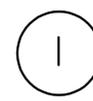
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		46	172

 LICENSED ARCHITECT		DATE
11-23-09 PLANS APPROVAL DATE		
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LEGEND




ENLARGED FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 NORTH 

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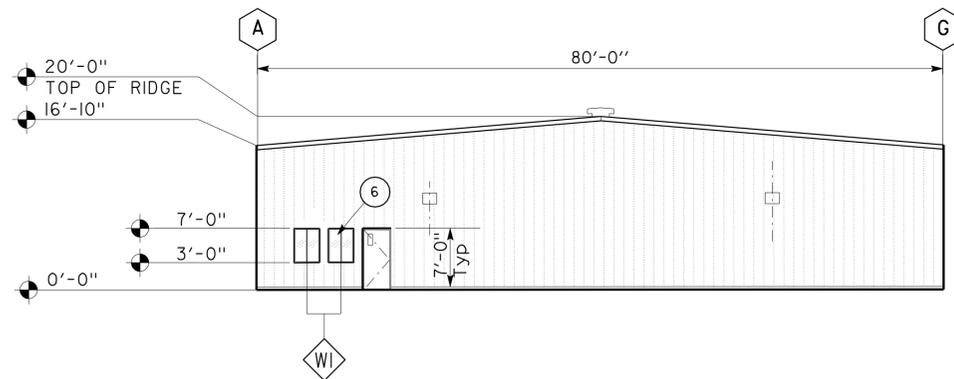
- ### KEYNOTES :
- THESE KEYNOTES APPLY TO THIS SHEET ONLY
- 1 STAINLESS STEEL COUNTER/SINK. (18'-0" L x 2'-6" W x 2'-10" H) WITH LOWER AND UPPER CASEWORKS
 - 2 12'-0" X 3'-0" WOODEN PROCESSING ISLAND WITH RUBBER MAT ALL SIDES OPEN WITH NO CABINETS (STATE FURNISHED-NIC)
 - 3 MOVABLE WORKBENCH WITH CASTER ROLLER (4'-0" L x 3'-0" W) (STATE FURNISHED-NIC)
 - 4 (R) CRUSHER (4'-0" x 4'-0" x 4'-0")
 - 5 (R) PULVERIZER (6'-0" x 4'-0" x 5'-0")
 - 6 (R) HEPA DUST COLLECTOR (4'-0" x 4'-0" x 7'-0")
 - 7 ~~GRATED FLOOR SUMP (3'-0" x 2'-0") (2'-0" BELOW FINISH GRADE) SAND INTERCEPTOR~~ SEE MECH. SHEETS
 - 8 DE-IONIZED WATER FILTERING SYSTEM-NIC.
 - 9 (R) TILE SAW (2'-0" x 4'-0" x 5'-0") PROVIDE WATER HOOKUP, DRAIN TO FLOOR SUMP. SEE MECH. SHEETS
 - 10 (R) BLOCK SAW (5'-0" x 4'-0" x 6'-0") PROVIDE WATER HOOKUP, DRAIN TO FLOOR SUMP. SEE MECH. SHEETS
 - 11 (R) MILLING MACHINE
 - 12 (R) 4'-0" X 2'-0" X 20" MET HOOD 7'-5" ABOVE THE CRUSHER.
 - 13 CONCRETE SLAB 60" X 48" X 12" THICK. 3/4" DIAM SST MECH. EXPANSION ANCHORS, 2 EA. COLUMN BASE. 5" EMBEDDED- SUBMIT FOR APPROVAL
 - 14 NOT USED
 - 15 EMERGENCY EYE WASH. SEE MECH. SHEETS
 - 16 ELECTRIC WASHER AND DRYER (N.I.C.) SEE MECH. SHEETS FOR HOOK UPS
 - 17 GAS WATER HEATER

NOTE:
 RELOCATED EQUIPMENT WILL COME FROM THE STORAGE LOCATED ON THE PREMISES.


REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

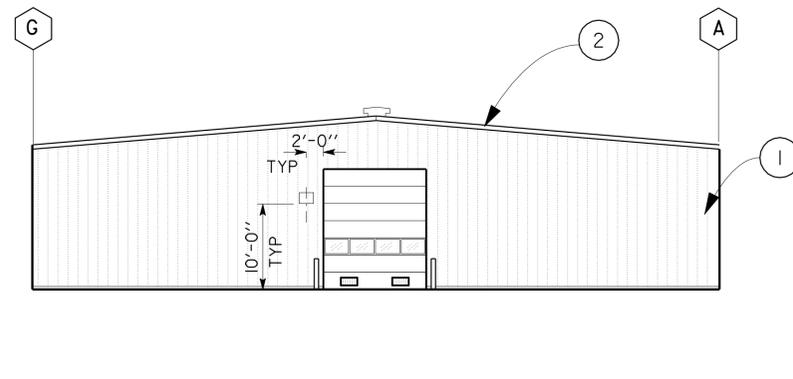
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	DETAILS BY CHECKED		QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES

08-FEB-2010 08:07



1 NORTH ELEVATION

SCALE: 3/32" = 1'-0"



2 SOUTH ELEVATION

SCALE: 3/32" = 1'-0"

KEYNOTES :

THESE KEYNOTES APPLY TO THIS SHEET ONLY

- 1 METAL SIDING, TYP.
- 2 METAL ROOF PANEL, TYP.
- 3 PREFINISHED METAL GUTTER, TYP.
- 4 PREFINISHED METAL DOWNSPOUTS, TYP.
- 5 SECTIONAL DOOR, TYP.
- 6 HORIZONTAL WINDOW SLIDER (3'-0"W x 4'-0" H), TYP.
- 7 MECH. UNIT. SEE MECH SHEETS
- 8 GUARD POST, TYP.
- 9 WALL MOUNTED LIGHT FIXTURE, SEE ELECT. SHTS.
- 10 ACCESSIBLE BUILDING SIGN, SEE ...3, 4 & 5/A0-3.3
- 11 ROLL UP DOOR

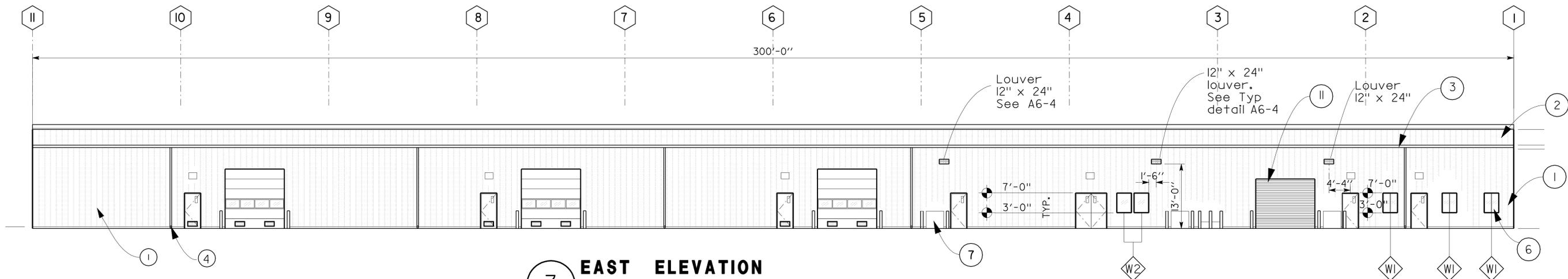
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		51	172

11-23-09
PLANS APPROVAL DATE

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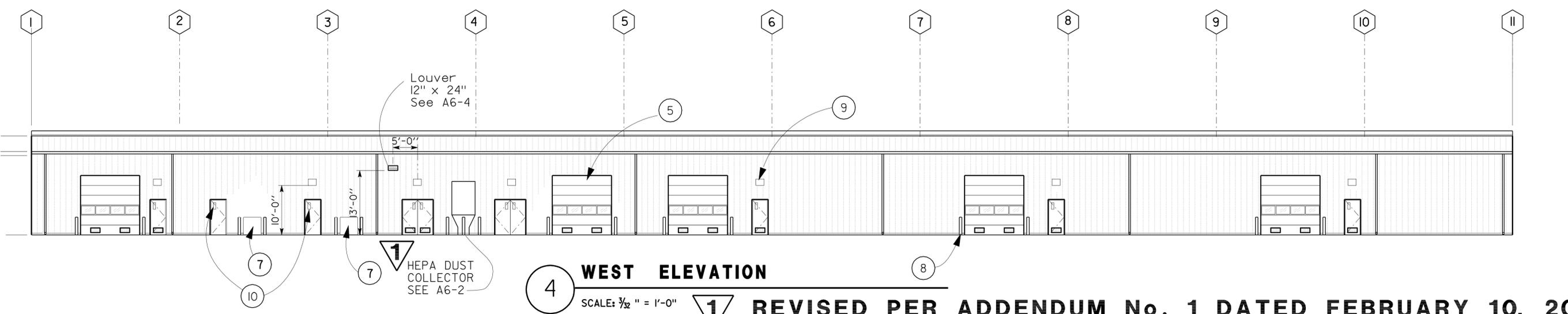


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 03-2C8441 DISTRICT - EA	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>[Signature]</i> Date: 06-29-09	Reviewed by: <i>[Signature]</i> STEPHEN GUARINO Approval date: 07-01-09



3 EAST ELEVATION

SCALE: 3/32" = 1'-0"



4 WEST ELEVATION

SCALE: 3/32" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

DESIGN BY CARLOS SANCHEZ	CHECKED CARLOS SANCHEZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	PHASE 4 STORAGE TRANS LAB REPAIR PROJECT ELEVATIONS	SHEET OF
DETAILS BY C. BOYER	CHECKED			POST MILE		A6-6
QUANTITIES BY	CHECKED					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
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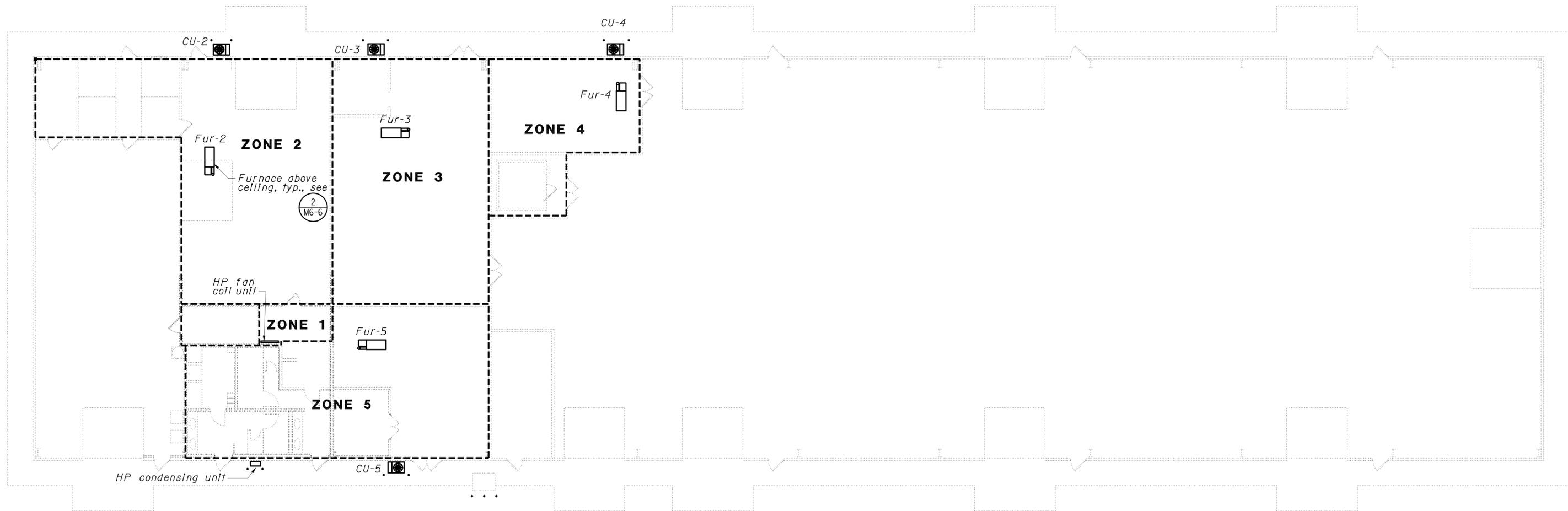
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CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Stephen Guarino*
 STEPHEN GUARINO
 Approval date: 07-01-09

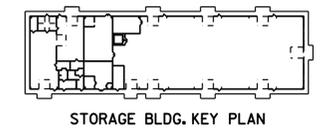
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		92	172
<i>Jack Wheeler</i> REGISTERED ENGINEER-MECHANICAL			12-28-09	DATE	
					
11-23-09					
PLANS APPROVAL DATE					



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HVAC EQUIPMENT / ZONE PLAN
 1" = 10'-0"
 NORTH

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

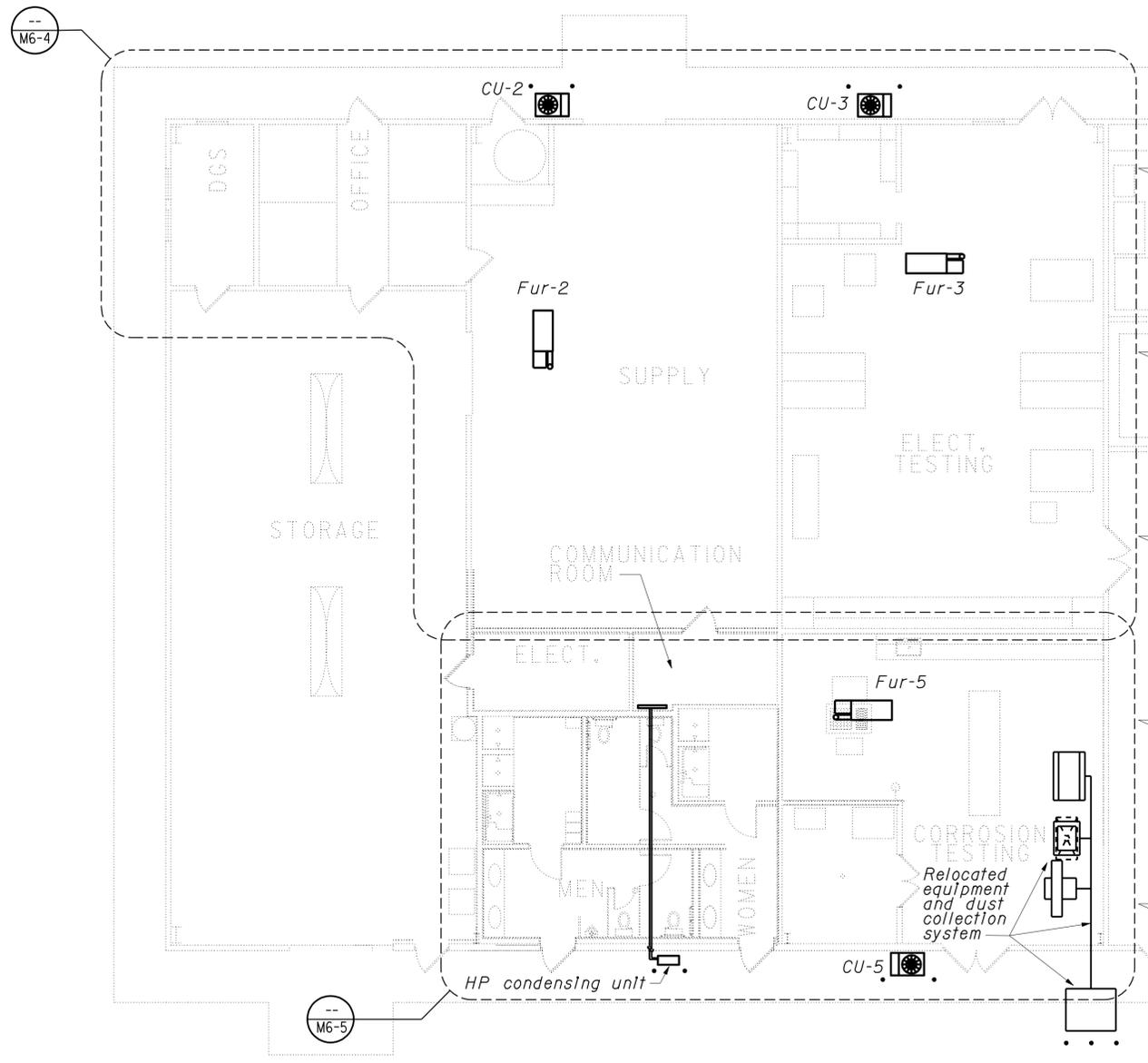
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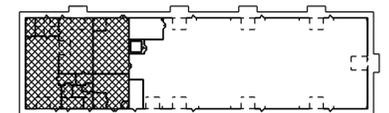
**CALIFORNIA STATE FIRE MARSHAL
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STEPHEN GUARINO
Approval date: 07-01-09

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		93	172
			12-28-09		
			REGISTERED ENGINEER-MECHANICAL	DATE	
					
			11-23-09		
			PLANS APPROVAL DATE		

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HVAC PLAN
1/8" = 1'-0"
NORTH



STORAGE BLDG. KEY PLAN

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1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

DESIGN	BY	Thomas Dietsch	CHECKED	Alvin Kwan	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT	SHEET M6-2				
	DETAILS	BY	Thomas Dietsch	CHECKED			Alvin Kwan	POST MILE			STORAGE BUILDING			
	QUANTITIES	BY	Thomas Dietsch	CHECKED			Alvin Kwan							
					CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET	OF			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3		02-23-09	05-27-09	07-01-09	12-17-09	01-19-08	02-11-08	10-15-08	12-15-08

BKW DOS ELEC(1/93)

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VI-1

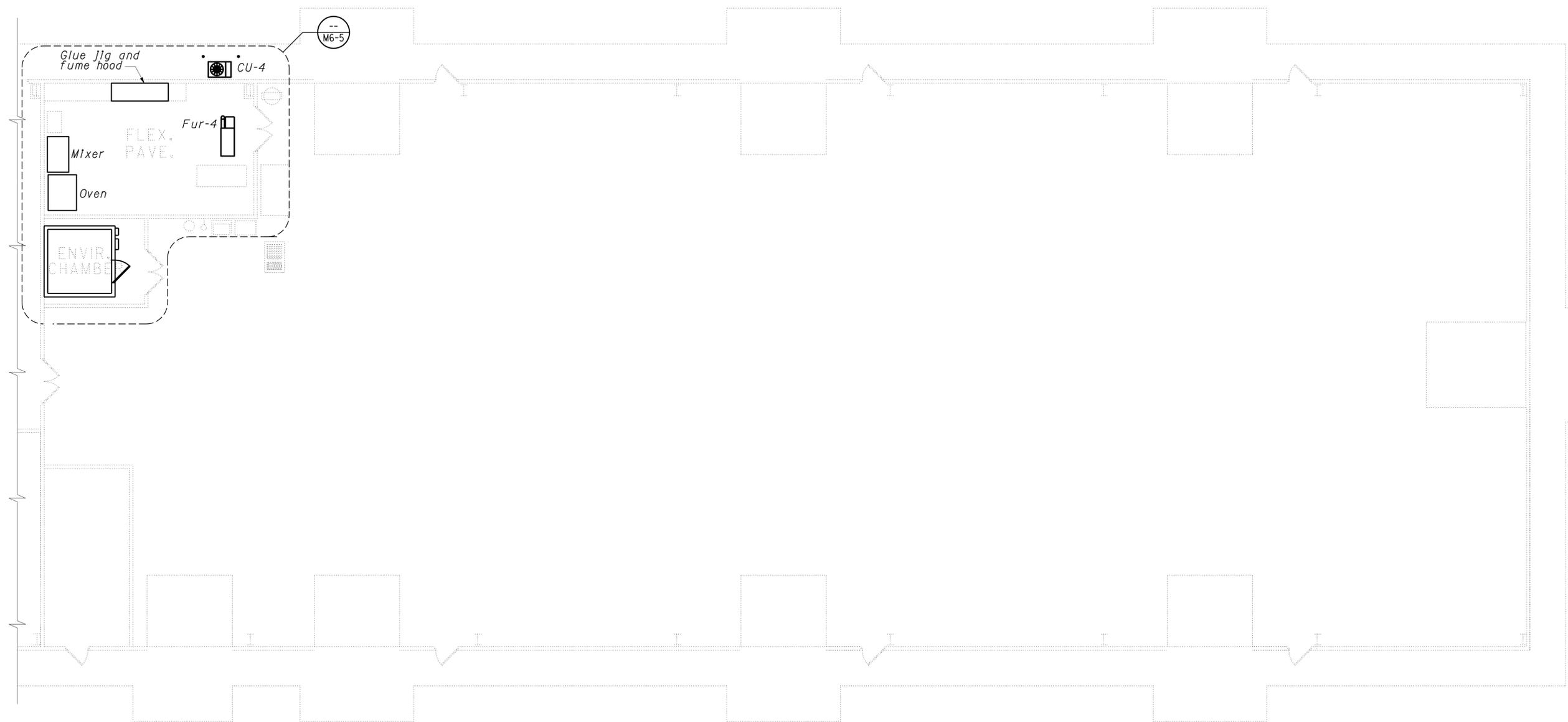
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TIME PLOTTED => 08:08

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 STEPHEN GUARINO
 Approval date: 07-01-09

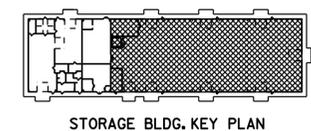
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		94	172
<u>Jack Wheeler</u> REGISTERED ENGINEER-MECHANICAL DATE 12-28-09					
11-23-09				PLANS APPROVAL DATE	



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HVAC PLAN
 1" = 10'-0"
 NORTH

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1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

DESIGN BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i> DETAILS BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i> QUANTITIES BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. PHASE 4	POST MILE STORAGE BUILDING	TRANSLAB REPAIR PROJECT HVAC PLAN	SHEET M6-3	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 02-23-09 05-27-09 07-01-09 12-17-09 07-08-08 02-14-08 10-15-08 12-15-08	SHEET OF		
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DATE PLOTTED => 08-FEB-2010
TIME PLOTTED => 08:08

EQUIPMENT

- Fur-2 Furnace 2 - 100,000 BTUH Input, 2,000 cfm @ 0.5 In. w.c., 3/4hp, 120V - 1 Phase
- CU-2 Condensing Unit 2 - 60,000 BTUH nominal cooling capacity, 6 kW, 208V - 1 Phase
- coil-2 Coil 2 - 60,000 BTUH nominal cooling capacity
- Fur-3 Furnace 3 - 80,000 BTUH Input, 1,600 cfm @ 0.6 In. w.c., 1/3 hp, 120V - 1 Phase
- CU-3 Condensing Unit 3 - 48,000 BTUH nominal cooling capacity, 4.7 kW, 208V - 1 Phase
- coil-3 Coil 3 - 48,000 BTUH nominal cooling capacity

NOTES

- Flue shall penetrate roof and terminate in a roof cap.

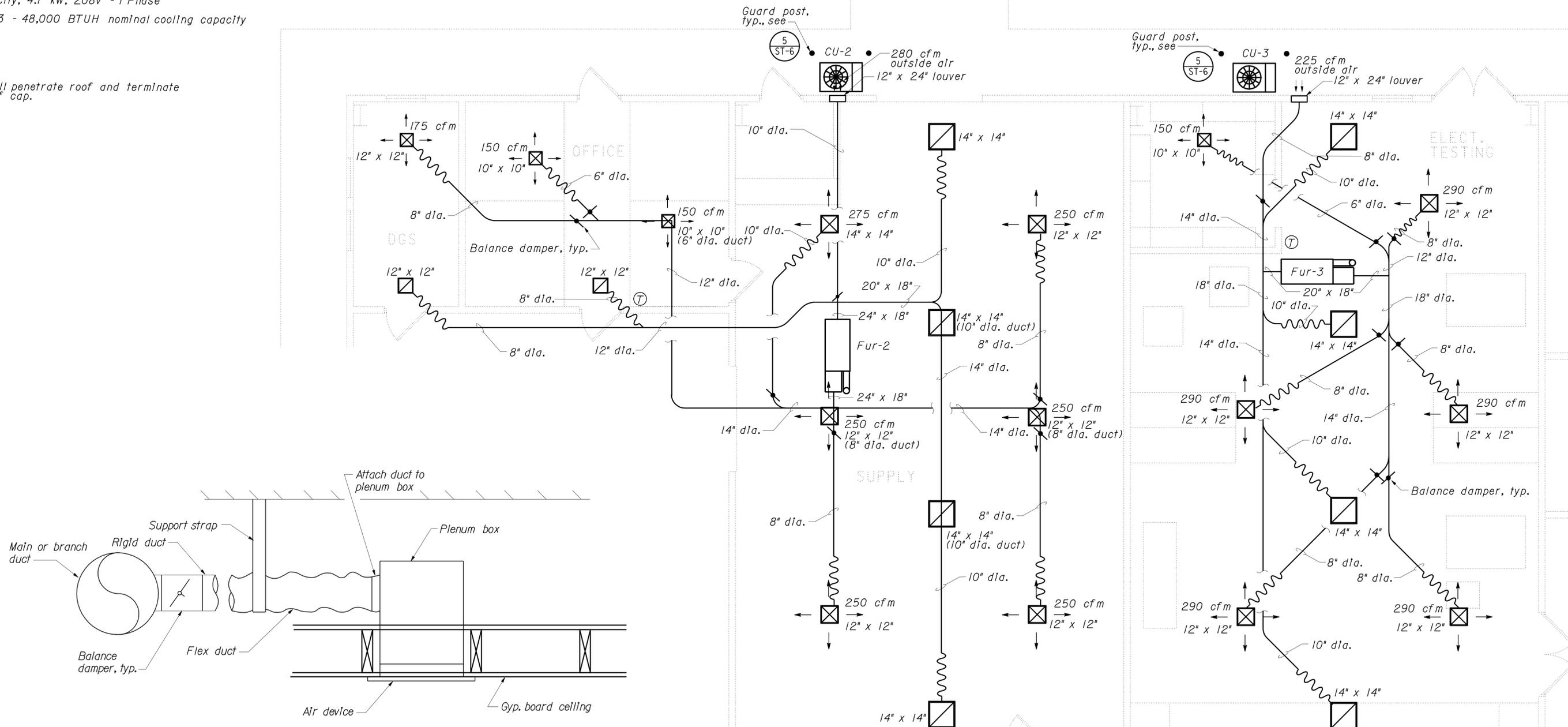
CALIFORNIA STATE FIRE MARSHAL
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 STEPHEN GUARINO
 Approval date: 07-01-09

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		95	172

12-28-09
 REGISTERED ENGINEER-MECHANICAL DATE
 Jack Wheeler
 No. 21648
 Exp. 06-30-11
 MECH
 STATE OF CALIFORNIA

11-23-09
 PLANS APPROVAL DATE

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1 DUCT TO AIR DEVICE DETAIL
 No Scale

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010
 THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

HVAC PLAN
 1/4" = 1'-0"



DESIGN BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA	DIVISION OF STRUCTURES	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT	SHEET M6-4
		DEPARTMENT OF TRANSPORTATION	ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	STORAGE BUILDING		
		DETAILS BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>	CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY)		
QUANTITIES BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	02-23-09 05-27-09 07-01-09 12-17-09 07-08-08 02-11-08 10-15-08 12-15-08	OF

EQUIPMENT

Fur-4 Furnace 4 - 40,000 BTUH input, 1,000 cfm @ 0.5 in.w.c., 1/3 hp, 120V - 1 Phase
 CU-4 Condensing Unit 4 - 30,000 BTUH nominal cooling capacity, 2.7 kW, 208V - 1 Phase
 coil-4 Coil 4 - 30,000 BTUH nominal cooling capacity
 Fur-5 Furnace 5 - 80,000 BTUH input, 1,600 cfm @ 0.6 in.w.c., 1/3 hp, 120V - 1 Phase
 CU-5 Condensing Unit 5 - 48,000 BTUH nominal cooling capacity, 4.7 kW, 208V - 1 Phase
 coil-5 Coil 5 - 48,000 BTUH nominal cooling capacity
 EF-2 Exhaust Fan 2 (ceiling mounted) - 600 CFM @ 0.25 in.w.c., 0.5 kW, 120V - 1 Phase
 EF-3 Exhaust Fan 3 (ceiling mounted) - 300 CFM @ 0.25 in.w.c., 0.3 kW, 120V - 1 Phase
 HP Heat Pump (ductless, split system heat pump) - 13,000 BTUH nominal cooling capacity, 1.5 kW, 10,000 BTUH nominal reverse cycle heat, 1.5 kW, 208V - 1 Phase

EQUIPMENT, continued

EF-4A Exhaust Fan 4 (ceiling mounted) - 130 cfm @ 0.25 in.w.c., 0.12 kW, 120V - 1 Phase, 5 sonos
 EF-5A Exhaust Fan 5 (ceiling mounted) - 50 cfm @ 0.25 in.w.c., 50 Watts, 120V - 1 Phase, 4 sonos

NOTES

- Flue shall penetrate roof and terminate in a roof cap. Ceiling penetration shall be protected by a metal collar.
- Maintain 10 ft minimum distance between supply fans, and exhaust fans and flues.
- EF-2 is a backup exhaust fan to be used in the event of an HP shutdown. Exhaust duct shall be 12" dia or equivalent, and terminate through the roof in a roof cap.
- EF-3 shall exhaust through a 10" dia. duct or equivalent, and terminate through the roof in a roof cap. EF-3 controlled by thermostat, min. range from 80 deg F to 105 deg F.
- For information relating to relocated equipment, see Architectural sheets.
- Install top of unit at 7 FT above finished floor.

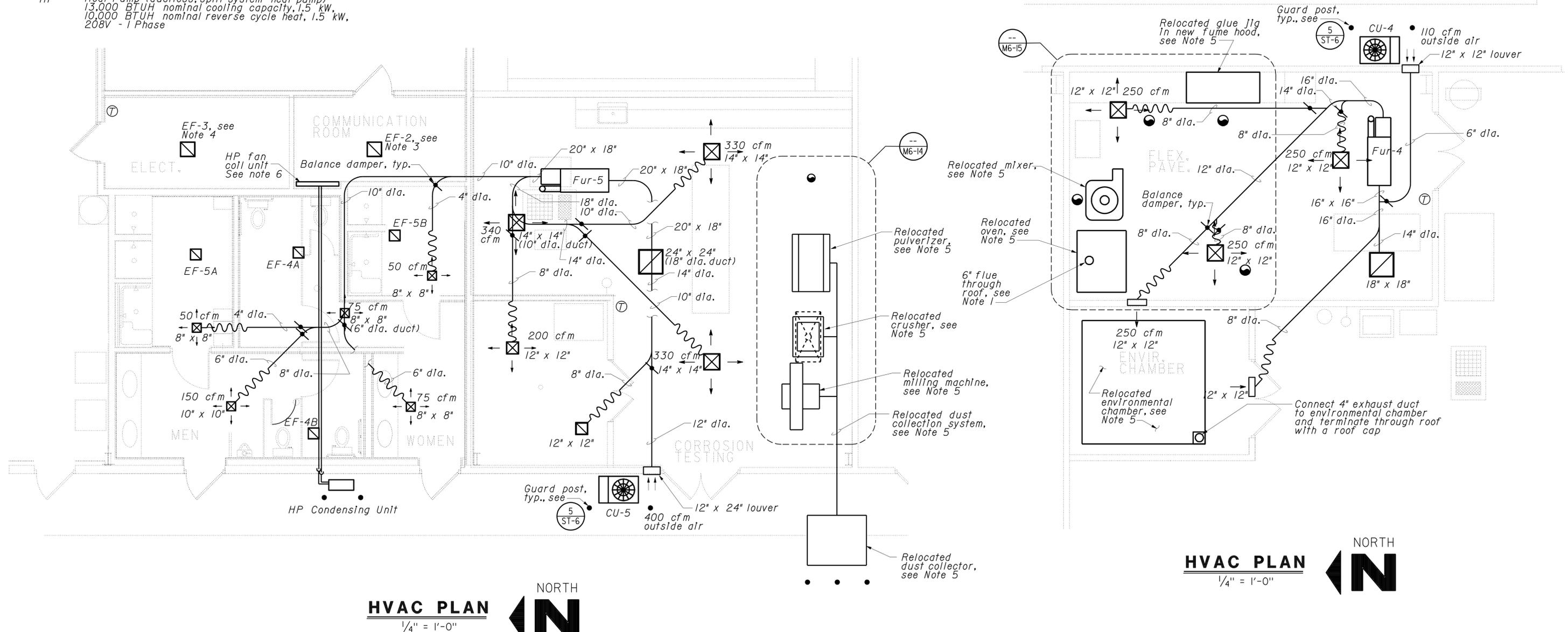
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03	Sac	5501		96	172

12-28-09
 REGISTERED ENGINEER-MECHANICAL DATE
 11-23-09
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Jack Wheeler
 No. 21648
 Exp. 06-30-11
 MECH
 STATE OF CALIFORNIA

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HVAC PLAN
 1/4" = 1'-0"

HVAC PLAN
 1/4" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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DESIGN BY <i>Thomas Dietsch</i>	BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT	SHEET M6-5	
		CHECKED <i>Alvin Kwan</i>			POST MILE	STORAGE BUILDING			HVAC PLAN
		CHECKED <i>Alvin Kwan</i>			CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES			

BKW DOS ELEC(1/93)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

CU 03263
EA 2C8441

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REVISION DATES (PRELIMINARY STAGE ONLY)
 02-23-09 05-27-09 07-09-09 12-21-09 07-19-08 02-11-08 10-15-08 12-15-08

DATE PLOTTED => 08-FEB-2010
TIME PLOTTED => 08:09

VI-1

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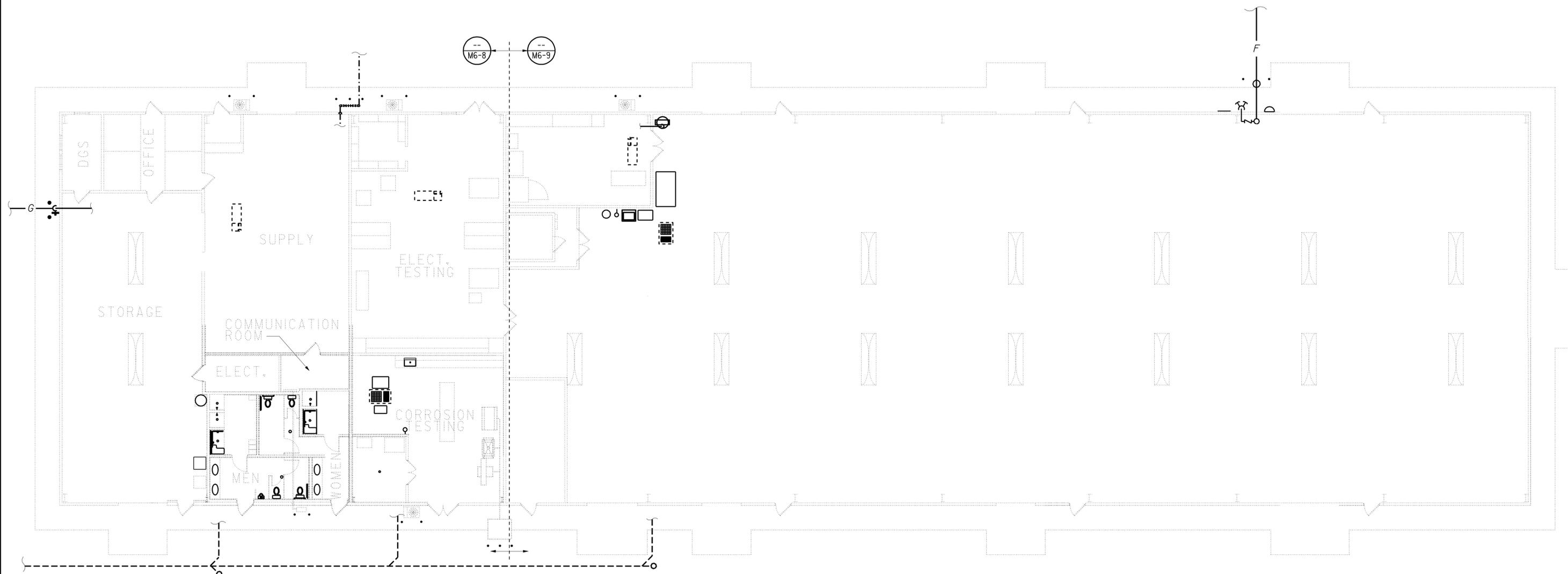
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		98	172

12-28-09
 REGISTERED ENGINEER-MECHANICAL DATE

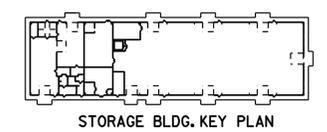
11-23-09
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PLUMBING PLAN
 1" = 10'-0"
 NORTH



THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

DESIGN BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT	SHEET M6-7
			POST MILE	STORAGE BUILDING		
			PLUMBING PLAN			
QUANTITIES BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF

BKW DOS ELEC(1/93) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 USERNAME => trmikes1 DGN FILE => m6_7.add

DATE PLOTTED => 08-FEB-2010 TIME PLOTTED => 08:09

EQUIPMENT

FE Fire Extinguisher - bracket mounted 2A:10B:C, Top of fire extinguisher shall be mounted 42" above finished floor

NOTES

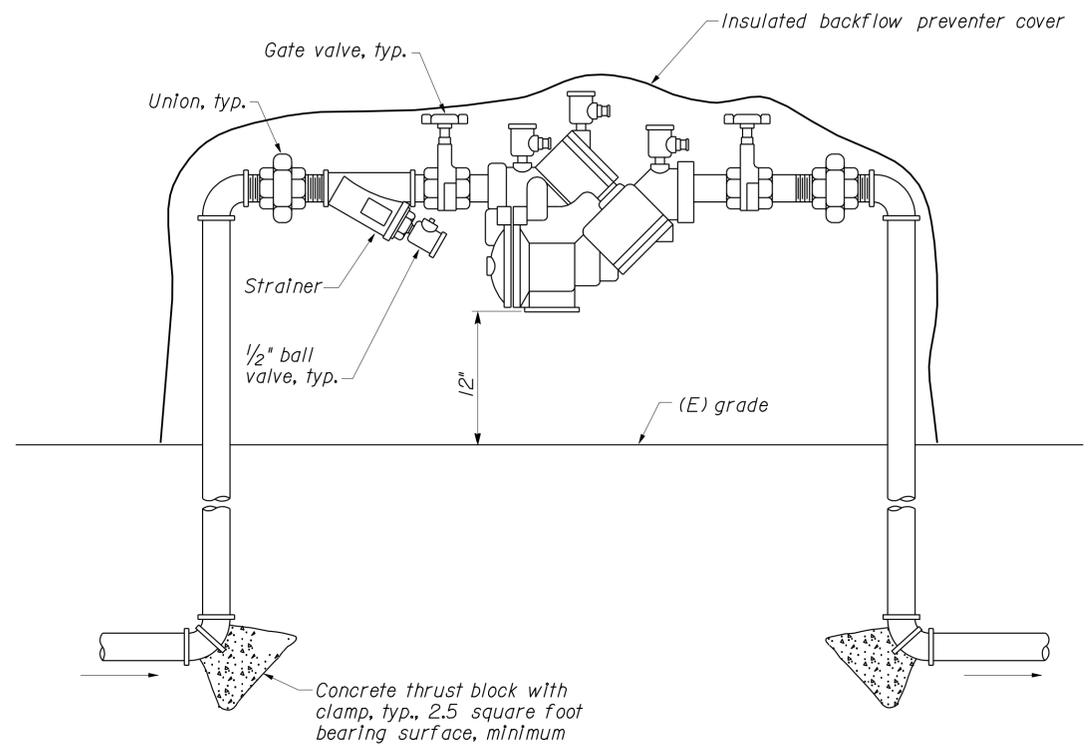
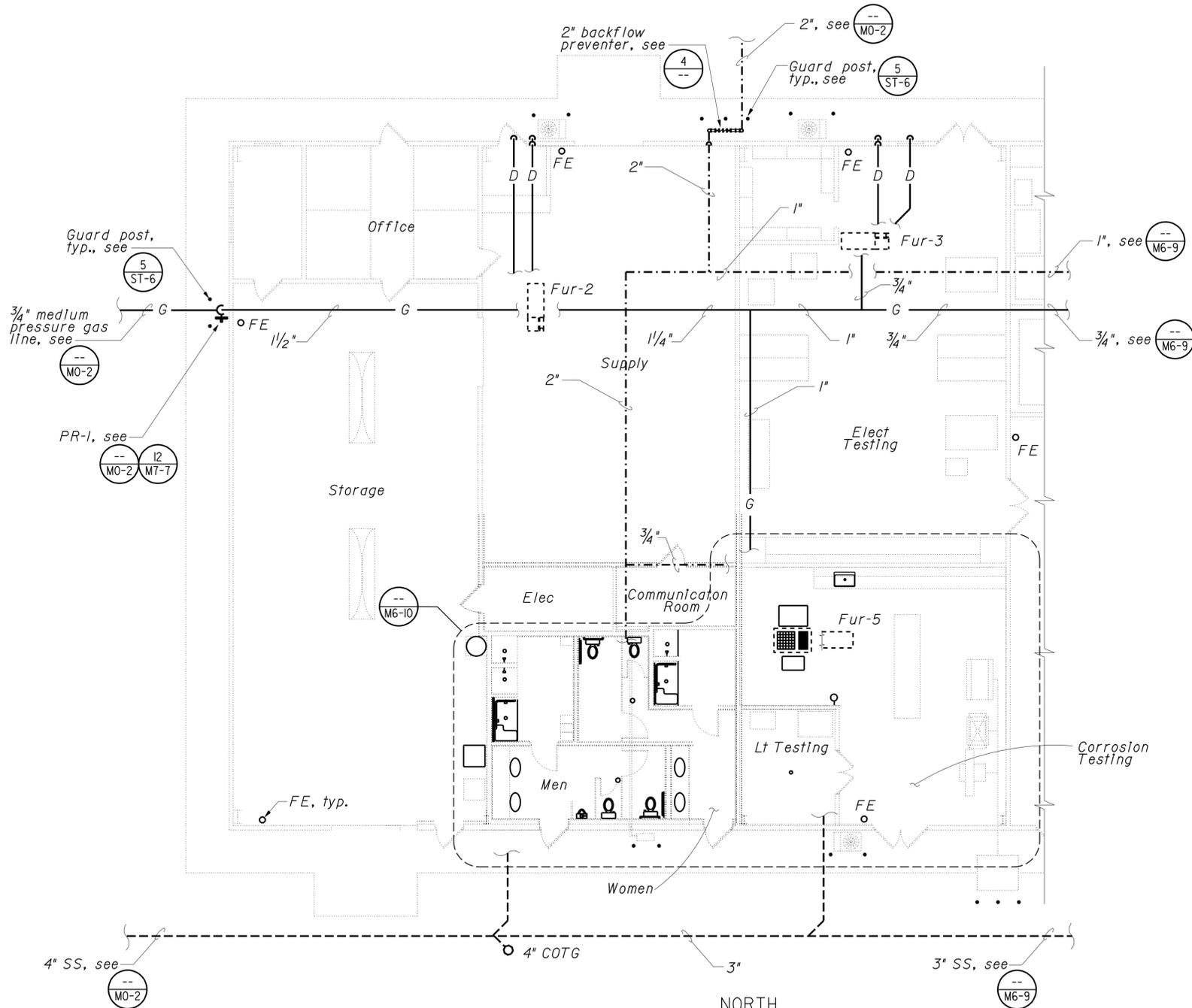
1. Terminate condensate line and relief valve discharge line 4" above finished grade.
2. Terminate secondary containment drain line above door or window as shown.

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Stephen Guarino*
 STEPHEN GUARINO
 Approval date: 07-01-09

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		99	172
				REGISTERED ENGINEER-MECHANICAL	DATE
				12-28-09	
				PLANS APPROVAL DATE	
				11-23-09	

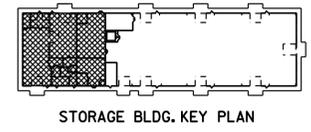


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4 REDUCED PRESSURE BACKFLOW PREVENTER
 No Scale
 For reference only

PLUMBING PLAN
 1/8" = 1'-0"
 NORTH



1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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DESIGN BY Thomas Dietsch CHECKED Alvin Kwan	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	TRANS LAB REPAIR PROJECT	SHEET M6-8				
			POST MILE	STORAGE BUILDING						
			PLUMBING PLAN							
DETAILS BY Thomas Dietsch CHECKED Alvin Kwan	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF				
QUANTITIES BY Thomas Dietsch CHECKED Alvin Kwan	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	02-23-09	05-27-09	07-01-09	12-21-09	07-19-08	02-11-08	10-15-08	12-15-08

USERNAME => frmikes1
 DGN FILE => m6_8.add

DATE PLOTTED => 08-FEB-2010
 TIME PLOTTED => 08:09

EQUIPMENT

FE Fire Extinguisher - bracket mounted 2A: 10B:C.
Top of fire extinguisher shall be mounted 42" above finished floor

NOTES

1. Sign to read, "FIRE SPRINKLER RISER INSIDE". Mount at 72" high as shown.

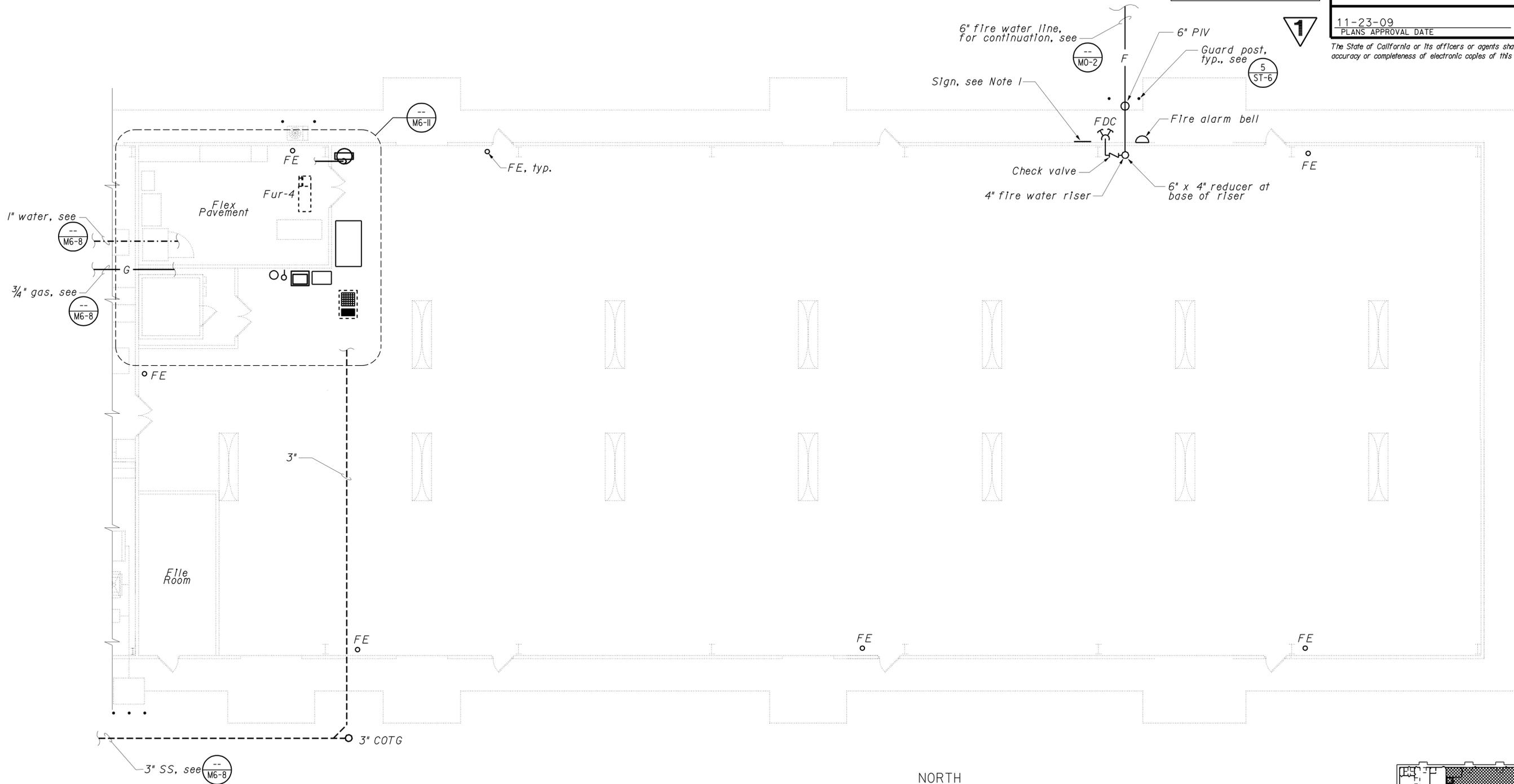
CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: *Stephen Guarino*
STEPHEN GUARINO
Approval date: 07-01-09

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		100	172

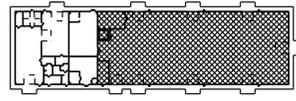
12-28-09
REGISTERED ENGINEER-MECHANICAL DATE

11-23-09
PLANS APPROVAL DATE

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PLUMBING PLAN
1/8" = 1'-0"
NORTH



STORAGE BLDG. KEY PLAN

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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DESIGN	BY	Thomas Dietsch	CHECKED	Alvin Kwan	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT	SHEET M6-9	
	DETAILS	BY	Thomas Dietsch	CHECKED			Alvin Kwan	POST MILE			STORAGE BUILDING
	QUANTITIES	BY	Thomas Dietsch	CHECKED			Alvin Kwan	PLUMBING PLAN			

BKW DOS ELEC(1/93)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	02-23-09 05-27-09 07-01-09 12-21-09 07-19-08 02-11-08 10-15-08 12-15-08	SHEET OF
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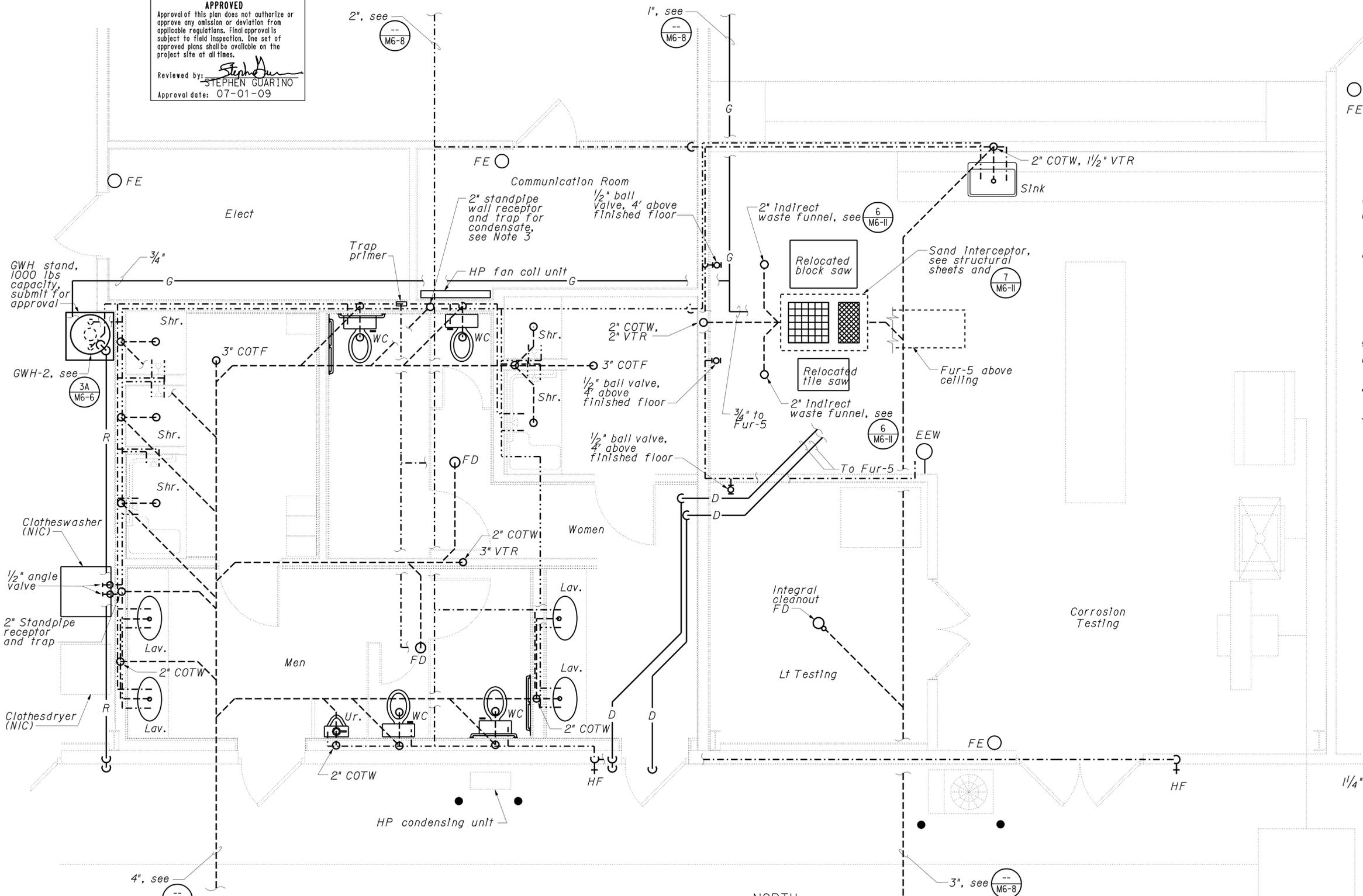
DATE PLOTTED => 08-FEB-2010
TIME PLOTTED => 08:09

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 STEPHEN GUARINO
 Approval date: 07-01-09

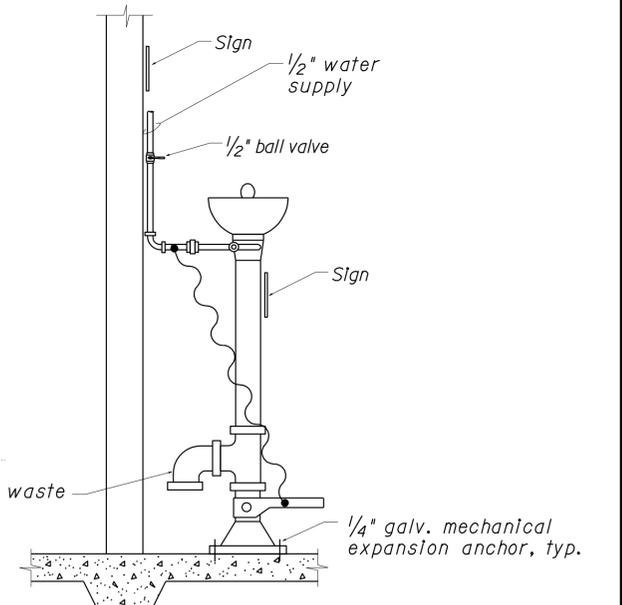
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		101	172
<i>Jack Wheeler</i> REGISTERED ENGINEER-MECHANICAL			12-28-09	DATE	
11-23-09 PLANS APPROVAL DATE					

REGISTERED PROFESSIONAL ENGINEER
 Jack Wheeler
 No. 21648
 Exp. 06-30-11
 MECH
 STATE OF CALIFORNIA

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- EQUIPMENT**
- GWH-2 Gas Water Heater 2 - 75 Gallon, 75,000 BTUH Input, min.
 - FE Fire Extinguisher - bracket mounted 2A:10B:C. Top of fire extinguisher shall be mounted 42" above finished floor
- NOTES**
- Terminate condensate line and relief valve discharge line 4" above finished grade.
 - Terminate secondary containment drain line above door as shown.
 - Condensate drain shall connect to 2" standpipe receptor, see Sheet M6-12.



5 EMERGENCY EYEWASH
 No Scale
 NOTE: Emergency eyewash shall be ADA/barrier-free type

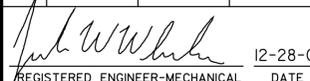
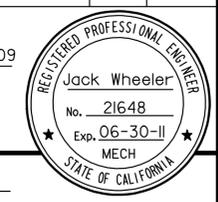
NORTH

PLUMBING PLAN
 3/8" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

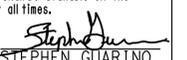
THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

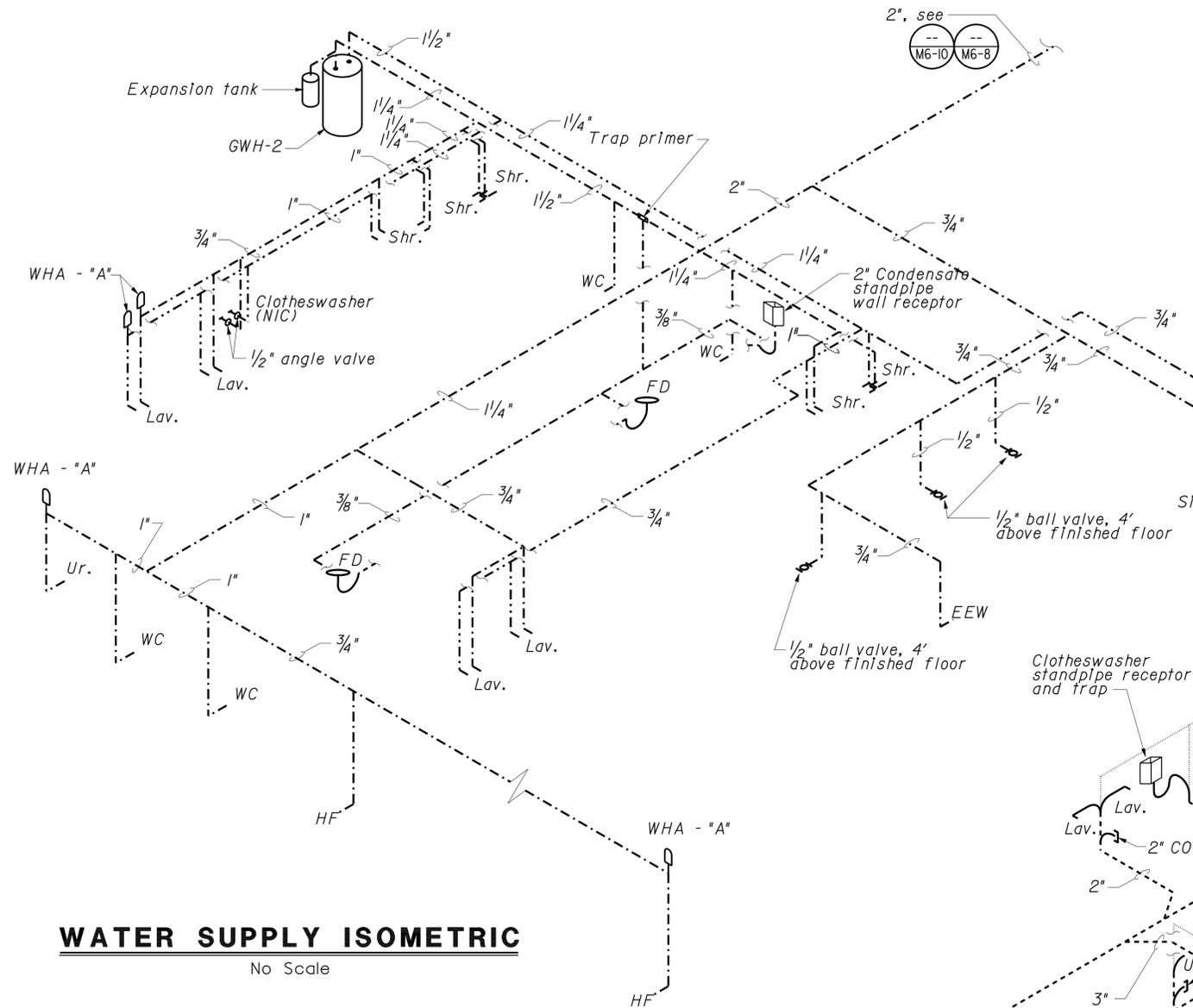
BKW DOS ELEC(1/93)	DESIGN	BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT RESTROOM/CORROSION LAB PLUMBING	SHEET	
	DETAILS	BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>			POST MILE	STORAGE BUILDING		M6-10	
	QUANTITIES	BY <i>Thomas Dietsch</i>	CHECKED <i>Alvin Kwan</i>							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				CU 03263 EA 2C8441		DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY) 02-23-09 05-27-09 07-01-09 12-21-09 07-18-08 02-11-08 10-15-08 11-06-08 12-15-08	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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 REGISTERED ENGINEER-MECHANICAL DATE 12-28-09					
11-23-09 PLANS APPROVAL DATE					

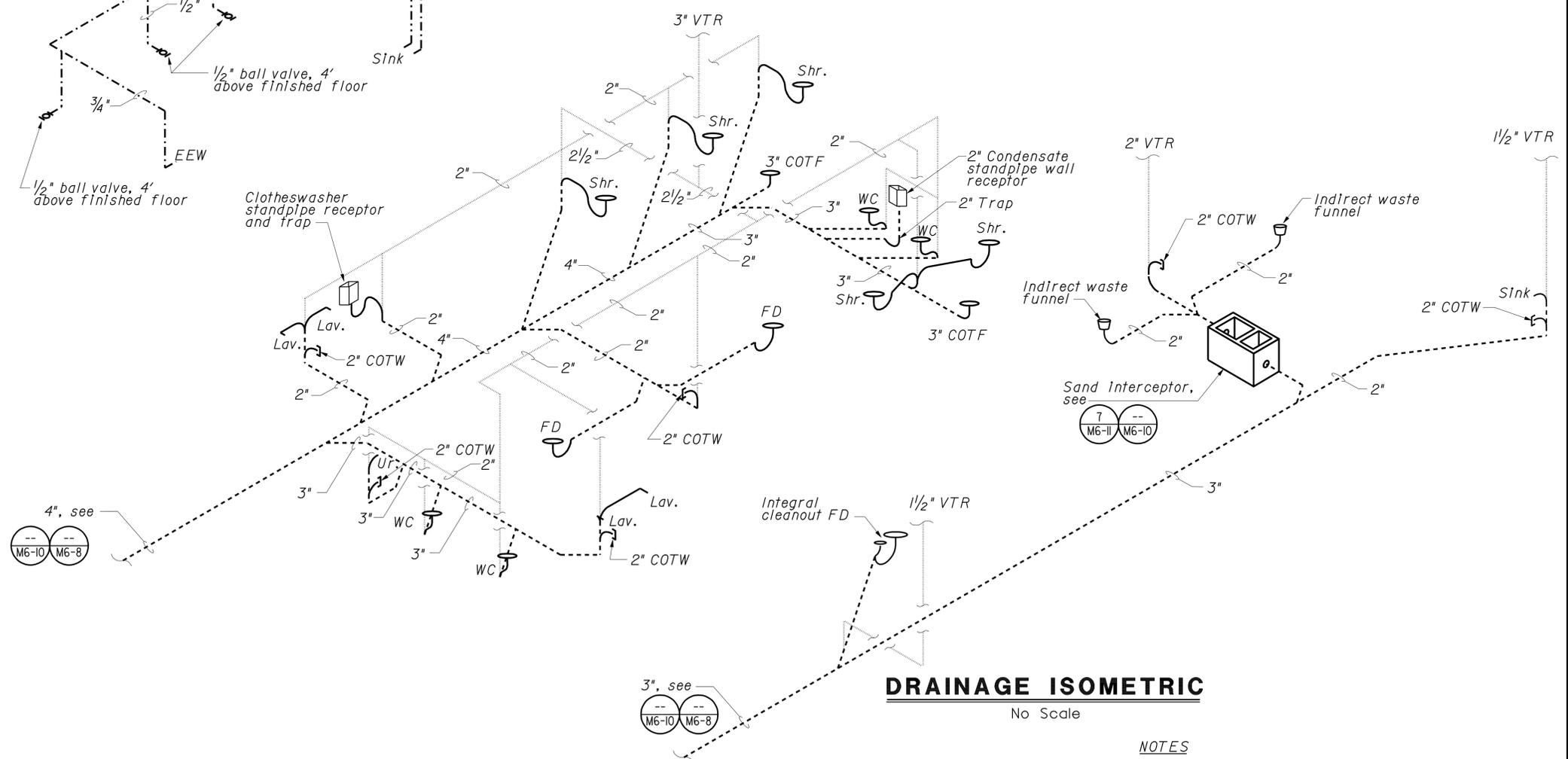
FIXTURE	DRAINAGE ROUGH IN	TRAP SIZE	VENT SIZE	MINIMUM CONNECTIONS	
				COLD WATER	HOT WATER
LAVATORY	2"	1 1/2"	2"	1/2"	1/2"
WATER CLOSET	3"	--	2"	3/4"	--
URINAL	2"	2"	2"	1"	--
SHOWER	2"	2"	2"	3/4"	3/4"
EMERGENCY EYEWASH	--	--	--	3/4"	--
FLOOR DRAIN	2"	2"	2"	--	--
INDIRECT WASTE FUNNEL	2"	--	2"	--	--
SINK	2"	1 1/2"	2"	3/4"	3/4"
HOSE FAUCET	--	--	--	3/4"	--

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 Reviewed by: 
 STEPHEN GUARINO
 Approval date: 07-01-09



WATER SUPPLY ISOMETRIC
No Scale



DRAINAGE ISOMETRIC
No Scale

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

- NOTES**
- Automatic trap primer shall have integral vacuum breaker and gasketed cover. Automatic trap primers and water hammer arresters shall be installed for accessibility through access doors, unless accessible from above the ceiling.

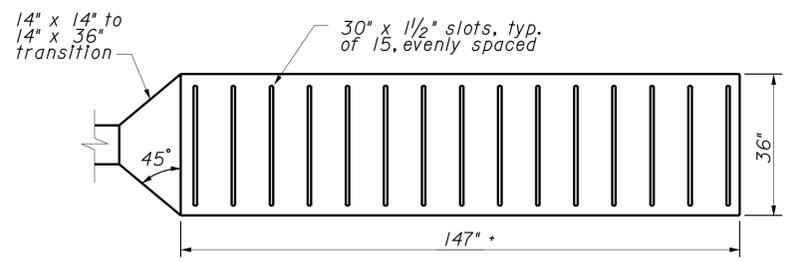
DESIGN BY Thomas Dietsch CHECKED Alvin Kwan	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4	SHEET OF	
			POST MILE	STORAGE BUILDING		TRANSLAB REPAIR PROJECT RESTROOM/CORROSION LAB ISOMETRICS
DETAILS BY Thomas Dietsch CHECKED Alvin Kwan	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 02-23-09 05-27-09 07-01-09 12-21-09 07-18-08 02-11-08 10-15-08 11-10-08 12-15-08			
QUANTITIES BY Thomas Dietsch CHECKED Alvin Kwan	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	USERNAME => trmikes1 DGN FILE => m6_12.add	SHEET 103 OF 172		

DATE PLOTTED => 08-FEB-2010 TIME PLOTTED => 08:10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		105	172
REGISTERED ENGINEER-MECHANICAL <i>Jack Wheeler</i> DATE 12-28-09			REGISTERED PROFESSIONAL ENGINEER Jack Wheeler No. 21648 Exp. 06-30-11 MECH STATE OF CALIFORNIA		
11-23-09 PLANS APPROVAL DATE					

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Stephen Guarino*
 STEPHEN GUARINO
 Approval date: 07-01-09

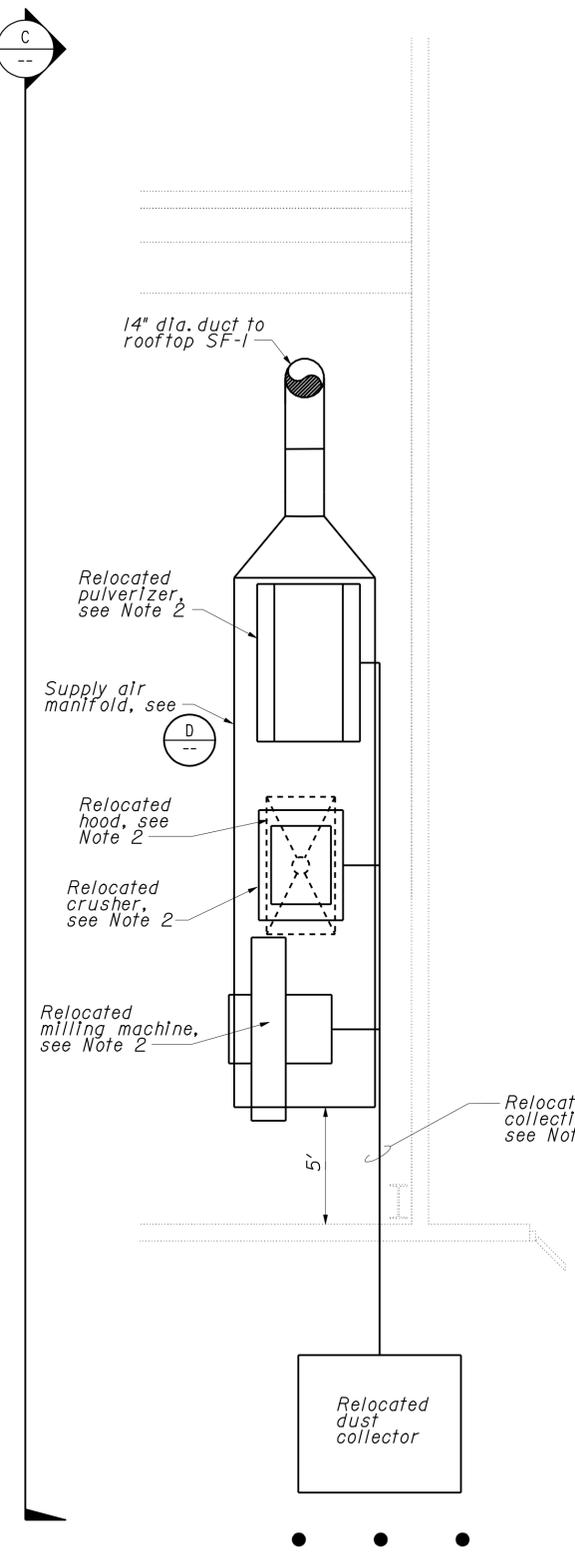
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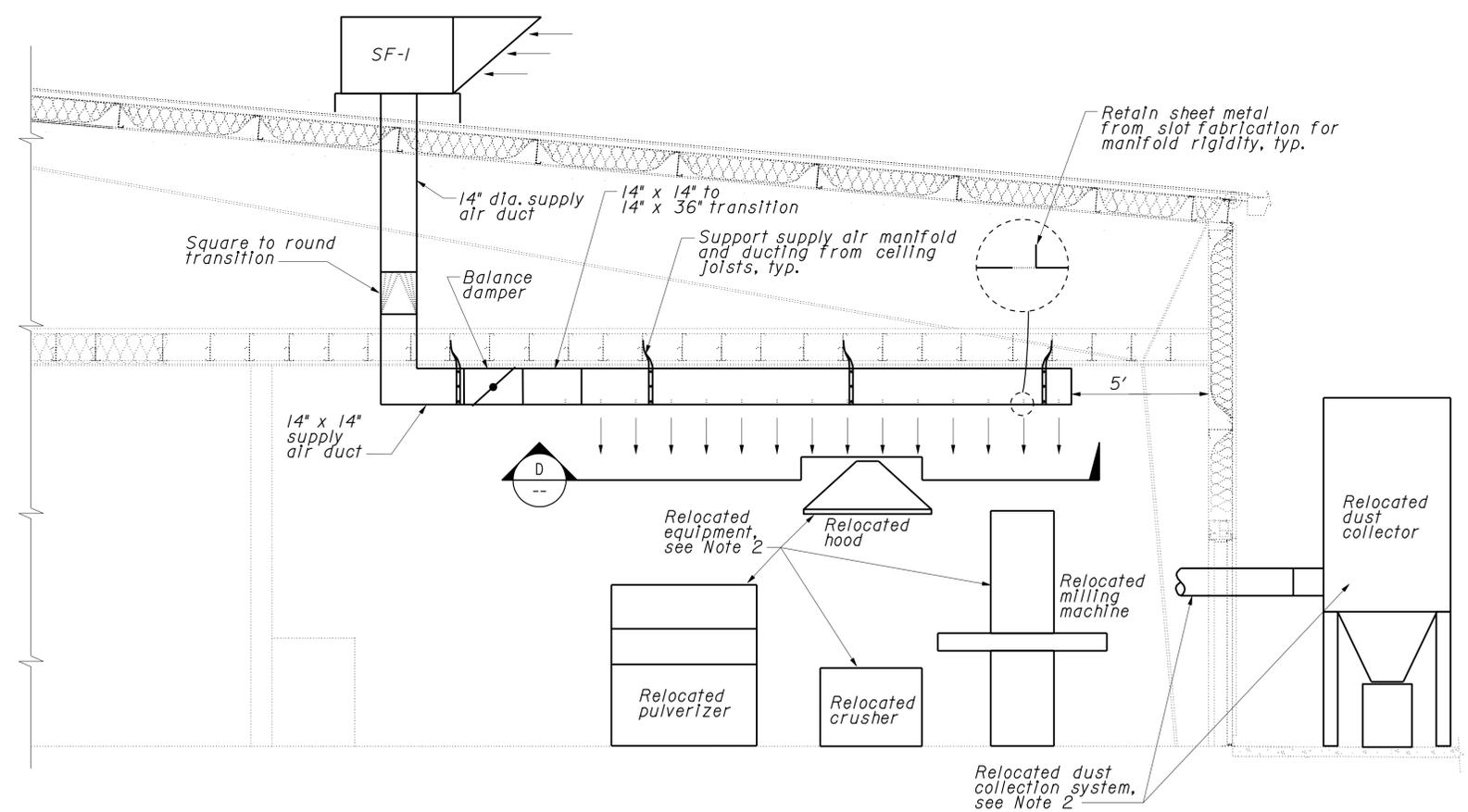
D SUPPLY AIR MANIFOLD
 No Scale

EQUIPMENT:
 SF-1 Supply Fan 1 - 800 CFM @ 0.5 in.w.c., 1/4hp, 208V - 3 Phase

- NOTES:**
- Maintain 10 ft minimum distance between supply fans, and exhaust fans and flues.
 - For information relating to relocated equipment and dust collection system, see Sheet A6-2.



9 DUST COLLECTION SYSTEM
 No Scale



C DUST COLLECTION SYSTEM
 No Scale



1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY



DESIGN BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i> DETAILS BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i> QUANTITIES BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. PHASE 4 POST MILE STORAGE BUILDING	TRANSLAB REPAIR PROJECT DUST COLLECTION DETAILS	SHEET M6-14
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 02-23-09 05-27-09 07-09-09 12-22-09 07-18-08 02-11-08 10-15-08 12-15-08	SHEET OF	
	USERNAME => trmikes1 DGN FILE => m6_14.add				

DATE PLOTTED => 08-FEB-2010
 TIME PLOTTED => 08:10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		120	172

Christine H. Mamaril
 REGISTERED ELECTRICAL ENGINEER DATE 5-28-09
 11-23-09
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 C.H. MAMARIL
 No. 12801
 Exp. 9-30-10
 ELEC
 STATE OF CALIFORNIA

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CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Stephen Guarino*
 STEPHEN GUARINO
 Approval date: 07-01-09

- General Notes:**
- A. Unless otherwise noted, all pull boxes shown on this sheet shall be traffic rated No.6 (T).
 - B. For continuation of conduits to new buildings, see "Panel Key" plans.
 - C. Sawcut existing asphalt paved area for the installation of new underground conduit system and pull boxes. Patch damaged and disturbed surfaces to match existing surfaces.
 - D. For existing conduit to "RSP" building see sheet EEO-8.

- Notes:**
- ① Existing 4" C, Install 4*350 kcmil, 3*400 kcmil, 1*2/0G.
 - ② Existing 4" C, Install 3*400 kcmil, 1*2/0G.
 - ③ Existing 4" C, Install 4*350 kcmil, 1*2/0G.
 - ④ 4" C, 3*400 kcmil, 1*2/0G.
 - ⑤ 4" C, 4*350 kcmil, 1*2/0G.
 - ⑥ Extend existing conduit to MCCI and terminate conductors for various circuit breakers per single line diagram on Sheet EEO-7 and note 7 on this sheet.
 - ⑦ Use existing 250 A, 3-pole spare circuit breaker for the Repair Shop and install new 300 A, 3-pole circuit breaker CB in space 5-1 for the Storage Building. Existing MCC is Cutler Hammer Freedom 2100 with Type HJD circuit breakers.

SITE PLAN
 SCALE 1" = 30'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

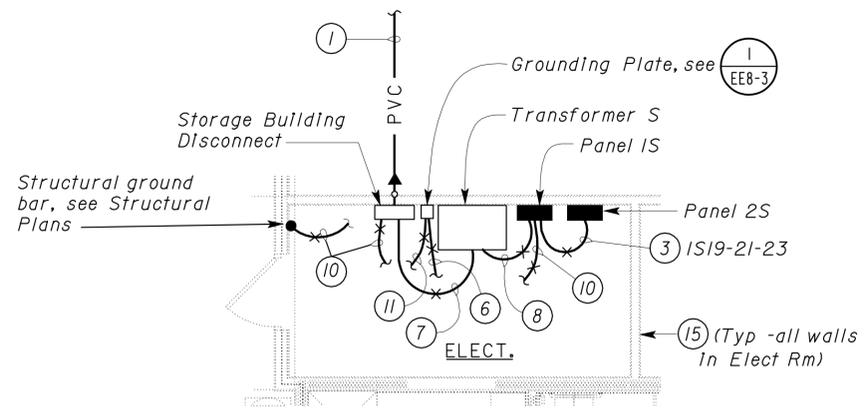
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN SUPERVISOR <i>Andreas Schoff</i> DESIGN ENGINEER <i>Jaswinder K. Sandhu</i>	DESIGN BY C. H. Mamaril	CHECKED Jesse Sandhu/CAE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET																
	DETAILS BY Ed D. Tapalla 10/07	CHECKED C. H. Mamaril			POST MILE			POWER SITE PLAN	EEO-5														
	QUANTITIES BY C. H. Mamaril	CHECKED Jesse Sandhu																					
DOES SD Imperial Rev. 9/02	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES → <table border="1"> <tr> <th colspan="8">REVISION DATES (PRELIMINARY STAGE ONLY)</th> </tr> <tr> <td>2/23/09</td> <td>5/28/09</td> <td>7/9/09</td> <td>11/8/09</td> <td>12/7/09</td> <td>1/18/10</td> <td>2/14/10</td> <td>11/17/10</td> </tr> </table>		REVISION DATES (PRELIMINARY STAGE ONLY)								2/23/09	5/28/09	7/9/09	11/8/09	12/7/09	1/18/10	2/14/10	11/17/10	SHEET OF
REVISION DATES (PRELIMINARY STAGE ONLY)																							
2/23/09	5/28/09	7/9/09	11/8/09	12/7/09	1/18/10	2/14/10	11/17/10																

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		125	172

<i>Christie H. Mamaril</i> REGISTERED ELECTRICAL ENGINEER DATE 5-28-09		
11-23-09 PLANS APPROVAL DATE		

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ENLARGED PLAN
SCALE 1/4" = 1'-0"

General Notes:

- A. Unless otherwise noted, all conduit risers and elbows on this sheet shall be PVC coated RSC. Wrap all joints in touch with soil with 2 layers of pipe wrapping tape.
- B. All four walls in the Communication Room are lined with plywood for installation of punchdown blocks and communication equipment. The North wall of the Communication Room shall be designated as TT.B. For wall details, see Architectural plans.
- C. Unless otherwise shown, stub up underground conduit for communication in a manner so that the conduits are approximately 6-inches (minimum) above the bottom of the mounting plywood.

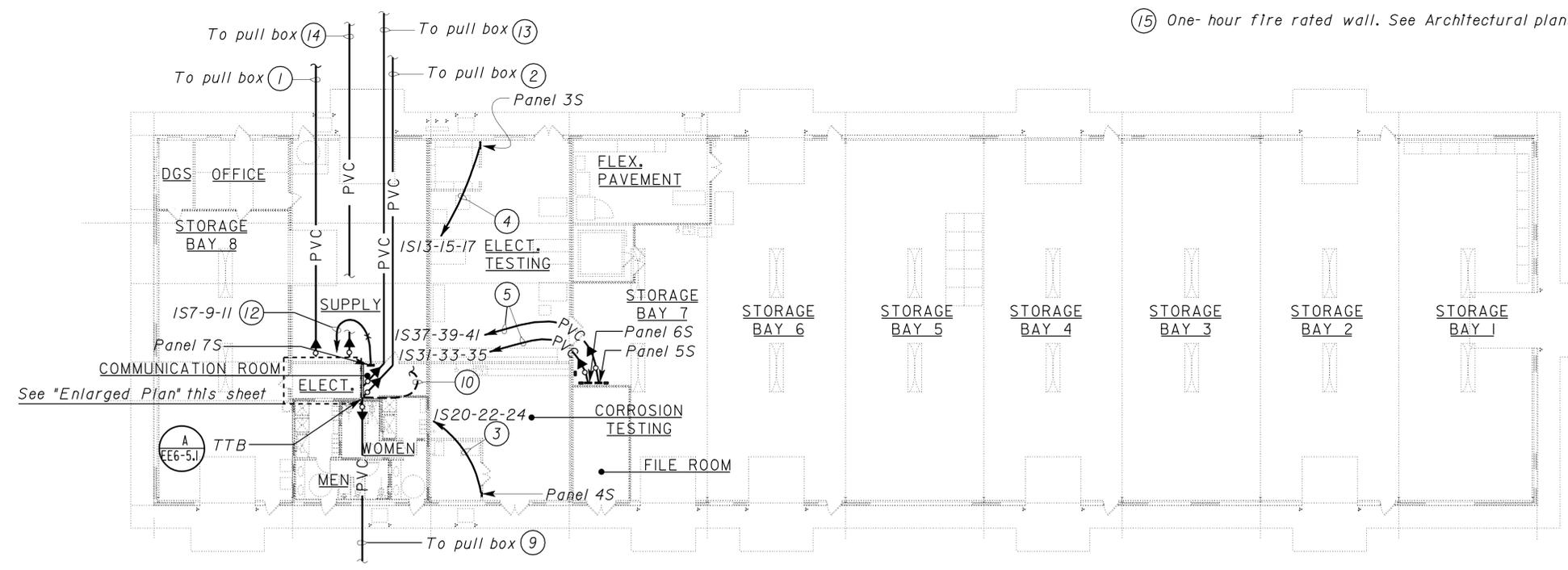
Notes:

- ① 4" C, 3*400 kcmil, 1*2/0G. For continuation, see sheet EE0-5.
- ② 4" C, one 24 strand fiberoptic cable, 12 data cables. For continuation, see sheet EE0-6.
- ③ 2 1/2" C, 4*4/0, 1*4G.
- ④ 2" C, 4*1/0, 1*6G.
- ⑤ 3" C, 4*250 kcmil, 1*2G.
- ⑥ 1" C, 1*2/0G bond to interior cold water pipe and gas pipe (continuous without splice).
- ⑦ 3" C, 3*400 kcmil, 1*2/0G.
- ⑧ Two 3" C, Each with 4*500 kcmil, 1*2/0G.
- ⑨ 2" C, pull rope.
- ⑩ 1" C, 1*2/0 to grounding plate.
- ⑪ 1" C, 1*2/0 bond to structural steel column.
- ⑫ 1 1/2" C, 3*4, 1*8G.
- ⑬ 3" C, two 25-pair telephone cables.
- ⑭ 2" C, Intrusion alarm cables and access system cables as required. Extend to control panels via the auxiliary wireway. See sheet EE6-5.1.
- ⑮ One-hour fire rated wall. See Architectural plans.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Stephen Guarino*
STEPHEN GUARINO
Approval date: 07-01-09



PLAN
SCALE 1/16" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu/CAE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET EE6-0.1						
				POST MILE			STORAGE BUILDING	PANEL KEY				
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF					
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>			<table border="1"> <tr> <td>10/14/07</td> <td>12/14/07</td> <td>1/16/08</td> <td>2/14/08</td> <td>6/18/08</td> <td>12/19/08</td> <td>2/23/09</td> <td>5/28/09</td> </tr> </table>				10/14/07	12/14/07	1/16/08	2/14/08	6/18/08
10/14/07	12/14/07	1/16/08	2/14/08	6/18/08	12/19/08	2/23/09	5/28/09					

DOES SD Imperial Rev. 9/02

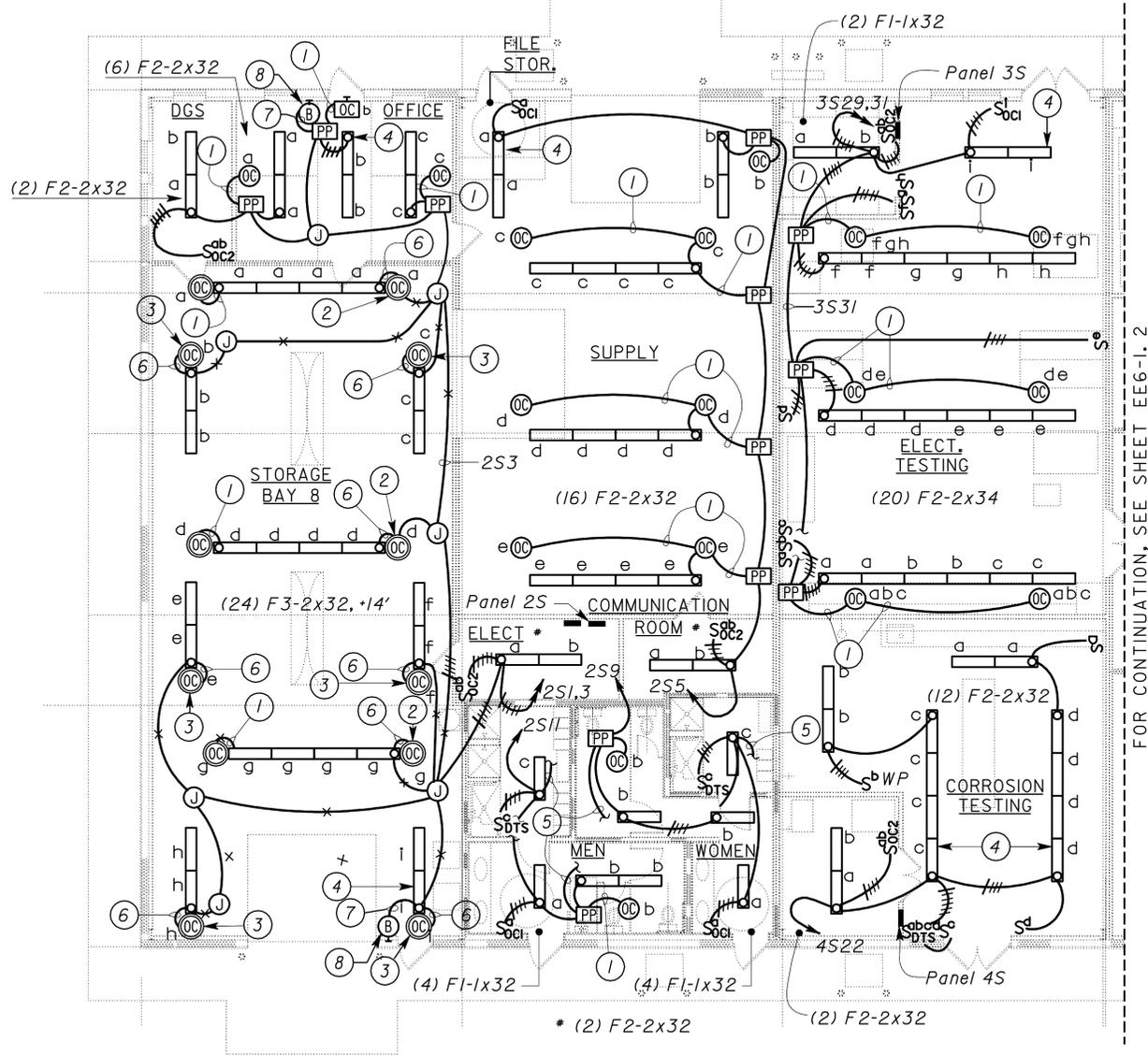
08-FEB-2010 08:11

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		126	172

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 STEPHEN GUARINO
 Approval date: 07-01-09

Christine H. Mamaril
 REGISTERED ELECTRICAL ENGINEER DATE 5-28-09
 11-23-09
 PLANS APPROVAL DATE
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FOR CONTINUATION, SEE SHEET EE6-1.2

- General Notes:**
- A. For location of lighting fixtures, see Architectural plans.
 - B. Connect all snap switches to load side of occupancy sensors or digital timer switches.
 - C. Mount power pack unit inside a junction box or NEMA type 1 enclosure.
 - D. Power pack units in rooms with ceiling spaces shall be installed concealed inside the ceiling.
 - E. Lights for the furnaces above the ceiling spaces are shown on sheet EE6-3.1 for clarity.
 - F. Typical egress illumination shall provide 1 foot candle through out.
- Notes:**
- ① 1/2" C, Control conductors as required.
 - ② Power pack unit is not shown for clarity. Incorporate sensor at other end of the row of fixtures to this same power pack unit.
 - ③ Power pack unit is not shown for clarity.
 - ④ Fixture shall have emergency battery pack unit.
 - ⑤ To exhaust fan. See sheet EE6-3.2.
 - ⑥ 1/2" C, 3#12, 1#12G and control conductors as required.
 - ⑦ 1/2" C, pullrope.
 - ⑧ Mount at switch height.

PARTIAL PLAN
 SCALE 1/8" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

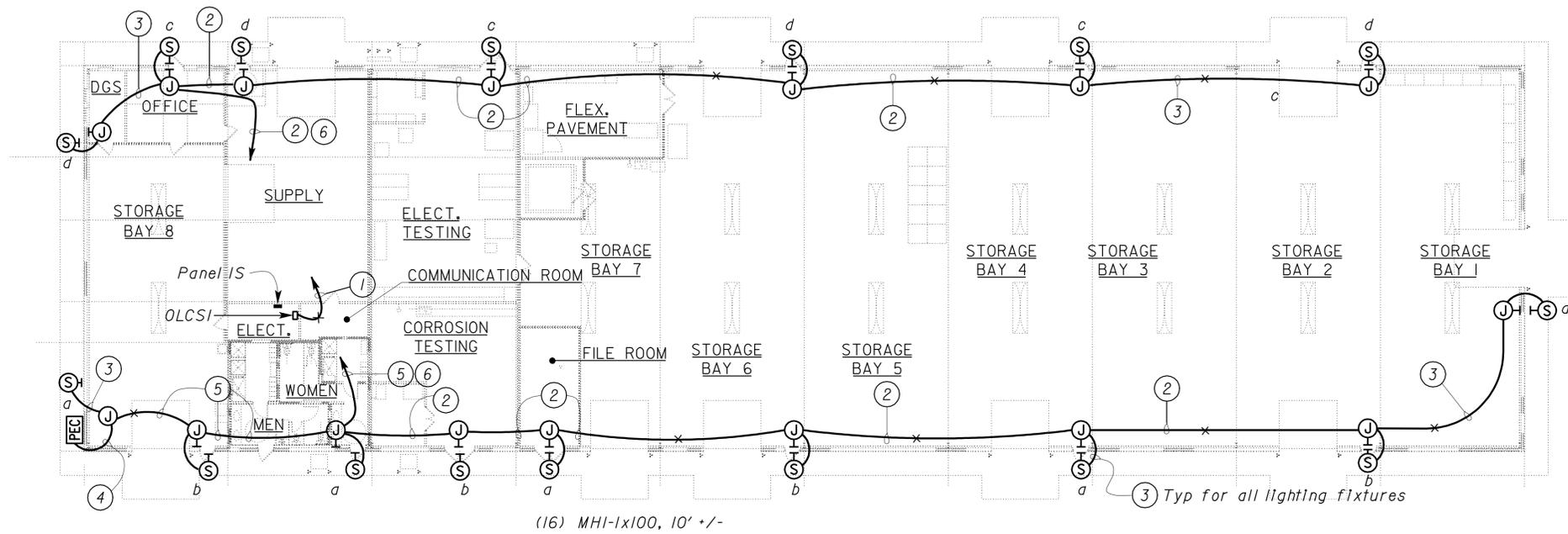
DESIGN BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu/CAE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET EE6-1.1					
				POST MILE			STORAGE BUILDING	LIGHTING PLAN - NORTH			
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF				
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>			<table border="1"> <tr> <td>10/14/07</td> <td>12/14/07</td> <td>12/18/07</td> <td>1/10/08</td> <td>2/14/08</td> <td>2/23/08</td> <td>5/28/09</td> </tr> </table>				10/14/07	12/14/07	12/18/07	1/10/08
10/14/07	12/14/07	12/18/07	1/10/08	2/14/08	2/23/08	5/28/09					

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		129	172

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Stephen Guarino*
STEPHEN GUARINO
 Approval date: 07-01-09

Christine H. Mamaril
 REGISTERED ELECTRICAL ENGINEER DATE 5-28-09
 C.H. MAMARIL
 No. 12801
 Exp. 9-30-10
 ELEC
 STATE OF CALIFORNIA
 11-23-09
 PLANS APPROVAL DATE

1
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General Notes:
 A. For location of lighting fixtures, see Architectural Plans.
 B. For Schematic Diagram, see sheet EE6-7.3.

- Notes:**
- ① 1" C, 4#10, 1#10G, IS14-16-18.
 - ② 3/4" C, 3#10, 1#10G.
 - ③ 1/2" C, 2#10, 1#10G.
 - ④ 1/2" C, 3#12, 1#12G.
 - ⑤ 3/4" C, 3#10, 3#12 (PEC), 1#10G.
 - ⑥ To Outside Lighting Control Station, OLCSI.

PLAN
 SCALE 1/16" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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DESIGN BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu/CAE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET EE6-1.4						
				POST MILE			STORAGE BUILDING	OUTSIDE LIGHTING PLAN				
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF					
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>			<table border="1"> <tr> <td>10/14/07</td> <td>12/14/07</td> <td>1/10/08</td> <td>2/14/08</td> <td>6/18/08</td> <td>12/19/08</td> <td>2/23/09</td> <td>5/28/09</td> </tr> </table>				10/14/07	12/14/07	1/10/08	2/14/08	6/18/08
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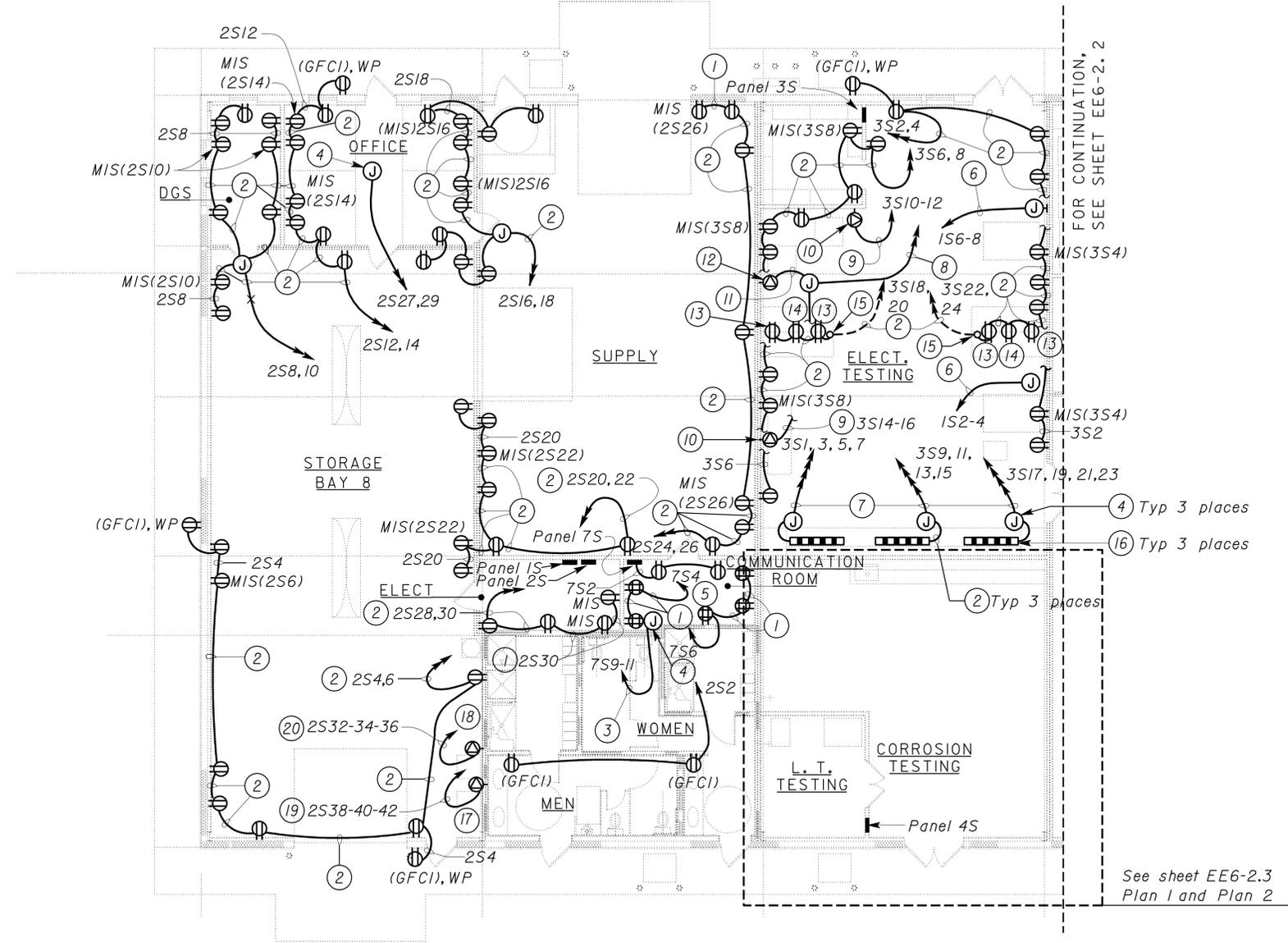
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		130	172

<i>Christine H. Mamaril</i> REGISTERED ELECTRICAL ENGINEER DATE 5-28-09		
11-23-09 PLANS APPROVAL DATE		

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Reviewed by: *Stephen Guarino*
STEPHEN GUARINO
 Approval date: 07-01-09



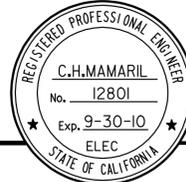
- Notes:
- ① 1/2" C, 2*12, 1*12 IG.
 - ② 3/4" C, 4*12, 1*12 IG, 1*12G.
 - ③ 3/4" C, 3*10, 1*10 IG, 1*10G, (7S9-11).
 - ④ Provide one foot additional length for each conductor terminated in junction box. Tape ends and label as "SPARE".
 - ⑤ All fourplex receptacle outlets inside the communication room shall be MIS type.
 - ⑥ 1" C, 2*4, 1*8G.
 - ⑦ 1" C, 8*12, 1*12 IG, 1*12G. Connect the first 2 circuits to the multiolet assembly. Tape ends of the remaining circuit inside the junction box and label as "SPARE".
 - ⑧ 1" C, 5*10, 1*10G, 3S14-16, 26-28-30
 - ⑨ 3/4" C, 2*10, 1*10G.
 - ⑩ Tester receptacle outlet.
 - ⑪ 3/4" C, 3*10, 1*10G, 3S26-28-30.
 - ⑫ Shaker receptacle outlet.
 - ⑬ Pedestal type, double faced duplex receptacle outlet.
 - ⑭ Pedestal type, double faced MIS duplex receptacle outlet.
 - ⑮ Location of conduit stub-up shall be coordinated with the location of the chase that is provided with the workbench and as directed by the Engineer.
 - ⑯ Multi-outlet assembly. Mount assembly at 6" above the workbench. For details, see EE6-5.2
 - ⑰ Dryer receptacle outlet.
 - ⑱ Washer receptacle outlet.
 - ⑲ 1" C, 3*4, 1*10G.
 - ⑳ 3/4" C, 3*10, 1*10G.

PARTIAL PLAN
 SCALE 1/8" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu/CAE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 STORAGE BUILDING	TRANS LAB REPAIR PROJECT POWER PLAN - NORTH	SHEET EE6-2.1	
				POST MILE				SHEET OF
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>	0 1 2 3						

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		132	172
					
REGISTERED ELECTRICAL ENGINEER DATE 5-28-09 11-23-09 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.					

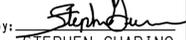
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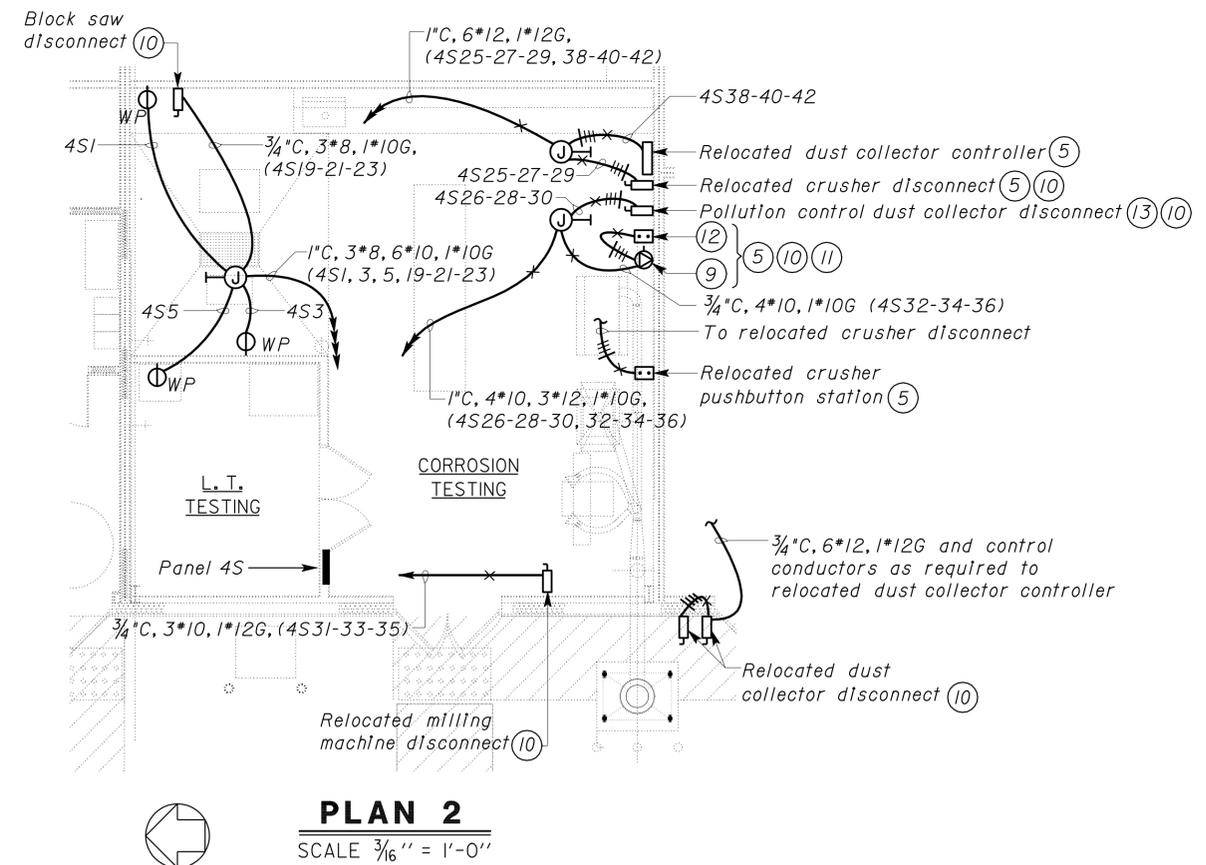
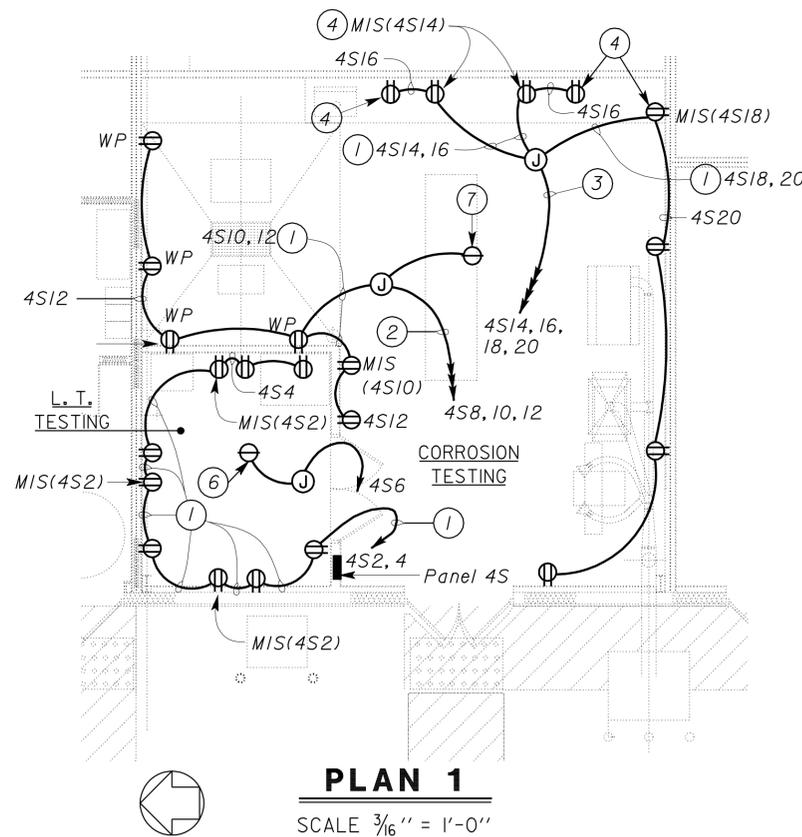
General Notes:

- A. Mount all disconnects at 3'-4" above finished floor, unless otherwise noted.
- B. Conduit and conductors in between the disconnect and relocated equipment are not shown for clarity.
- C. Existing pulverizer, pollution control dust collector, crusher and dust collector are located in the existing "RSP" Building. Connection of existing devices that are relocated shall match existing. Contact telephone number 916-227-7190 for information on existing equipment and devices. Verify and label all connection prior to installation of relocated devices. Reconnect and rewire all devices to match existing operation. Any devices that are not mentioned but necessary for the operation of the system shall be relocated and reconnected.

Notes:

- ① 3/4" C, 4*12, 1*12 IG, 1*12G.
- ② 1" C, 6*12, 1*12 IG, 1*12G.
- ③ 1" C, 8*12, 1*12 IG, 1*12G.
- ④ Mount at 6 inches above counter.
- ⑤ Rewire pulverizer, pollution control dust collector, crusher and dust collector to match existing connection. Provide 1/2" conduit with control conductors as required in between relocated pushbutton stations and controllers to match existing interconnection system.
- ⑥ Reel receptacle outlet (Ceiling mounted), circuit 4S6.
- ⑦ Reel receptacle outlet (Ceiling mounted), circuit 4S8.
- ⑧ Unit mounted control panel with on/off switch for pollution control dust collector (Part of relocated equipment). Rewire to match existing connection.
- ⑨ Pulverizer receptacle outlet.
- ⑩ Provide conduit with conductors to connect to the equipment. Size of conduit and power conductors shall be the same as the conduit feeding the disconnect for the unit.
- ⑪ Mount pushbutton and receptacle outlet in a vertical row (One unit directly about 4 inches above the other unit).
- ⑫ Relocated pulverizer pushbutton station.
- ⑬ Pollution control dust collector is located below the pulverizer.

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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 Reviewed by: 
 STEPHEN GUARINO
 Approval date: 07-01-09



1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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DESIGN BY	C. H. Mamaril	CHECKED	Jesse Sandhu/CAE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	PHASE 4	TRANSLAB REPAIR PROJECT	SHEET EE6-2.3
DETAILS BY	Ed D. Tapalla 10/07	CHECKED	C. H. Mamaril		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	STORAGE BUILDING	ENLARGED POWER PLAN I	
QUANTITIES BY	C. H. Mamaril	CHECKED	Jesse Sandhu		CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY) 10/7/07 12/7/07 1/16/08 1/23/08 2/14/08 12/19/08 2/23/09 5/28/09			

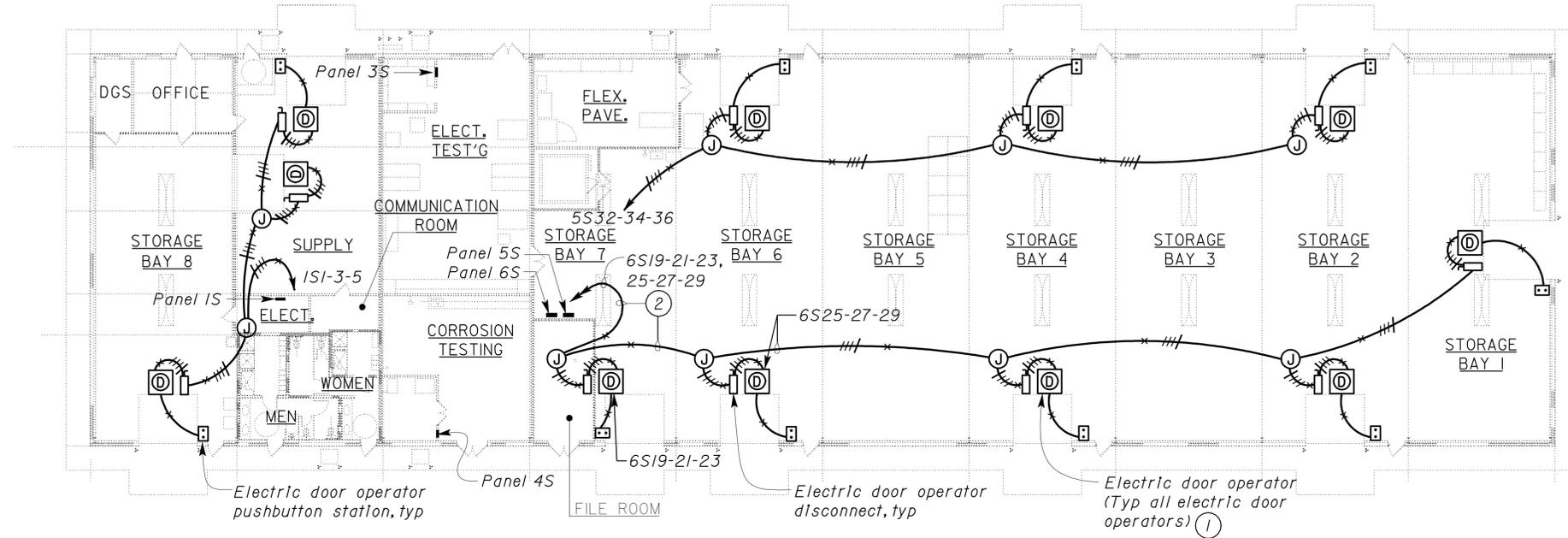
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		134	172

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 Reviewed by: *Stephen Guarino*
STEPHEN GUARINO
 Approval date: 07-01-09

Christine H. Mamaril
 REGISTERED ELECTRICAL ENGINEER DATE 5-28-09



11-23-09
 PLANS APPROVAL DATE
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General Note:
 A. Location of electric door operators and related components as shown is arbitrary only. Exact location depends upon the unit furnished. Contractor shall furnish and install any additional conduit, cables, conductors and equipment necessary for the automatic operation without extra cost to the State. All cables and conductors shall be installed in conduit.

Note:
 (1) Install the following for the electric door operator system:
 - 1/2" C, 3*12, 1*12G in between the electric door operator and electric door operator disconnect switch.
 - 1/2" C, Control conductors as required in between the electric door operator and pushbutton station.
 - Junction box and flexible cable between the electric door operator and safety edge limit switch.
 - 1/2" C, Control cables as required between the electric door operator and door chain operated safety limit switch.

Safety edge limit switch and door chain operated safety limit switch are not shown for clarity. Mount electric door operator isolating switch adjacent to the electric door operator.

(2) 3/4" C, 6*10, 1*10G.

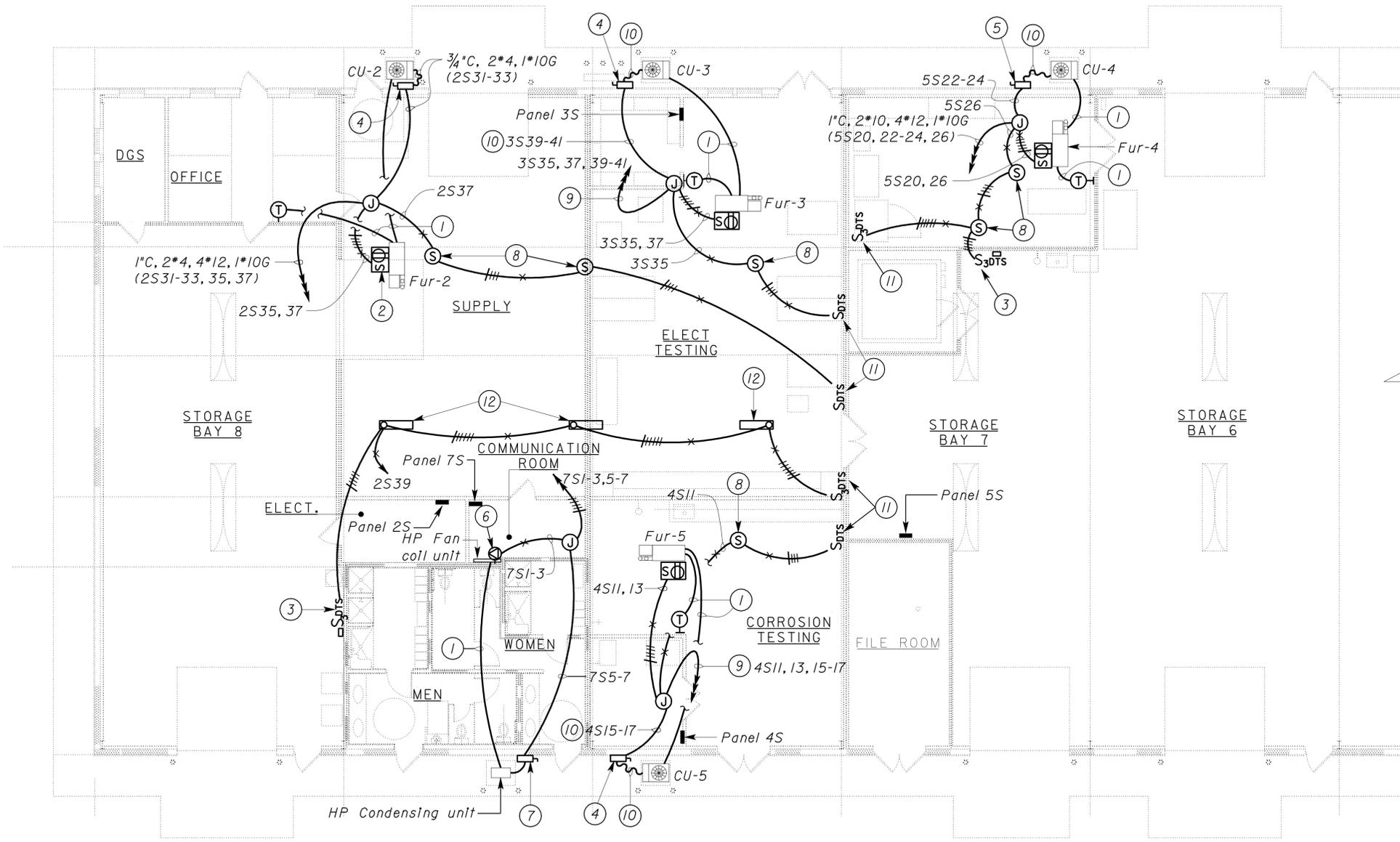
PLAN
 SCALE 1/16" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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				POST MILE		
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C.H. Mamaril</i>				STORAGE BUILDING	
QUANTITIES BY <i>C.H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>				ELECTRIC DOORS POWER PLAN	
DOES SD Imperial Rev. 9/02	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
					10/18/08 12/14/08 1/16/09 2/14/09 6/18/08 12/19/08 2/23/09 5/28/09	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		135	172
CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Stephen A. Guarino</i> Approval date: 07-01-09 REGISTERED ELECTRICAL ENGINEER DATE 5-28-09 11-23-09 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.					
REGISTERED PROFESSIONAL ENGINEER C.H. MAMARIL No. 12801 Exp. 9-30-10 ELEC STATE OF CALIFORNIA					



PLAN
 SCALE 1/8" = 1'-0"

General Notes:

- A. For location of HVAC units and thermostats, see Mechanical plans.
- B. Conduits shown routed thru rooms with gypsum ceiling shall be cancelled.
- C. Lighting fixtures, switches and receptacle outlets in the ceiling space where furnaces are installed are shown on this sheet for clarity.

Notes:

- ① 1/2" C, control conductors to suit units furnished.
- ② Furnace disconnect and GFCI receptacle outlet. Mount on furnace.
- ③ Switch with device plate for light above ceiling space. Inscription on device plate shall read "ATTIC LIGHT BY FURNACE". Mount at 3'-4" above floor.
- ④ Condensing unit disconnect, 60 A, 2-pole.
- ⑤ Condensing unit disconnect, 30 A, 2-pole.
- ⑥ Heat pump fan coil unit receptacle outlet.
- ⑦ Heat pump condensing unit disconnect.
- ⑧ 11-1x60. Mount above ceiling at purlin. Location shall be determined by the Engineer.
- ⑨ 1" C, 2*6, 4*12, 1*10G.
- ⑩ 3/4" C, 2*6, 1*10G.
- ⑪ Mount switch at ceiling space. Location shall be determined by the Engineer.
- ⑫ F1-1x32. Mount above ceiling at purlin. Location shall be determined by the Engineer.

REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

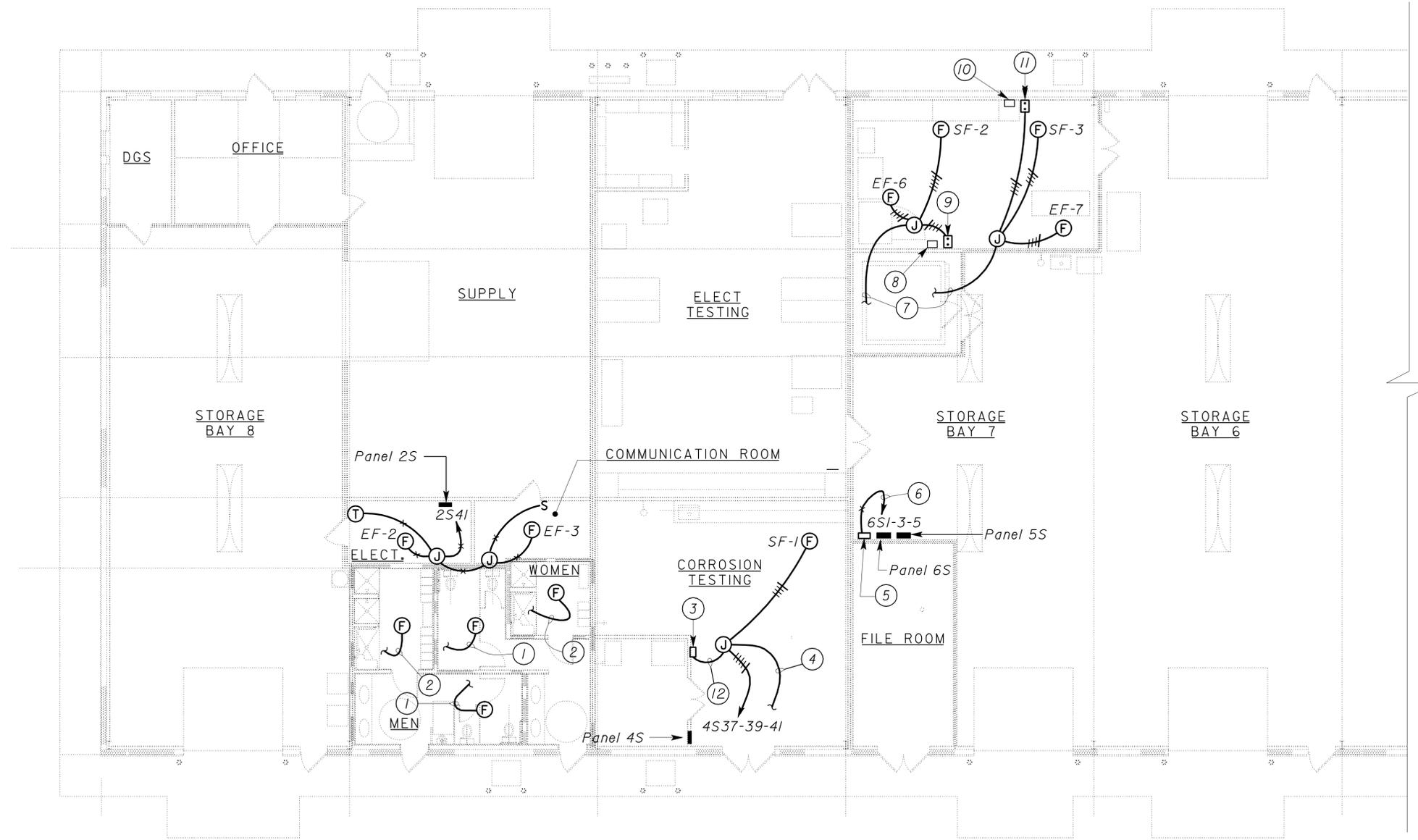
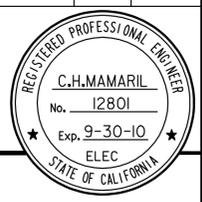
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DOES SD Imperial Rev. 9/02	DESIGN	BY C. H. Mamaril	CHECKED Jesse Sandhu/CAE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET
	DETAILS	BY Ed D. Tapalla 10/07	CHECKED C. H. Mamaril		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		STORAGE BUILDING
	QUANTITIES	BY C. H. Mamaril	CHECKED Jesse Sandhu				HVAC POWER PLAN I	OF
			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 11/7/09 12/5/09 12/7/09 1/7/10 2/17/10 2/23/10 5/28/10

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		136	172
CHRISTINE H. MAMARIL REGISTERED ELECTRICAL ENGINEER DATE 5-28-09 11-23-09 PLANS APPROVAL DATE					
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 Reviewed by: *Stephen Guarino*
 STEPHEN GUARINO
 Approval date: 07-01-09



PLAN
 SCALE 1/8" = 1'-0"

General Note:

- A. For location of fans and thermostats, see Mechanical Plans.
- Notes:**
- ① To power pack unit of occupancy sensor. Connect fan to load side of occupancy sensor system. See sheet EE6-1.1.
 - ② To light fixture. Connect fan to load side of digital timer switch. See sheet EE6-1.1.
 - ③ Supply fan starter.
 - ④ 1/2" C. Control conductors as required to existing HEPA dust collector control panel. For location, see sheet EE6-2.3.
 - ⑤ Flex pavement fans control panel. For schematic, see sheet EE6-7.4.
 - ⑥ 3/4" C, 4*10, 1*10G.
 - ⑦ 3/4" C, 9*12, 1*12G to flex pavement fans control panel.
 - ⑧ Device plate. Inscription shall read "PUSHBUTTON FOR SF2 AND EF-6".
 - ⑨ Remote Pushbutton station for SF2 and EF-6.
 - ⑩ Device plate. Inscription shall read "PUSHBUTTON FOR SF-3 AND EF-7".
 - ⑪ Remote Pushbutton station for SF3 and EF-7.
 - ⑫ 3/4" C, 4*12, 1*12G and control conductors as required for relocated HEPA dust collector controller.

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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				POST MILE								
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	STORAGE BUILDING	HVAC POWER PLAN 2	SHEET OF						
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>			DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)					
DOES SD Imperial Rev. 9/02				11/7/09	12/5/09	12/7/09	1/18/10	2/11/10	2/19/10	2/23/10	5/28/09	

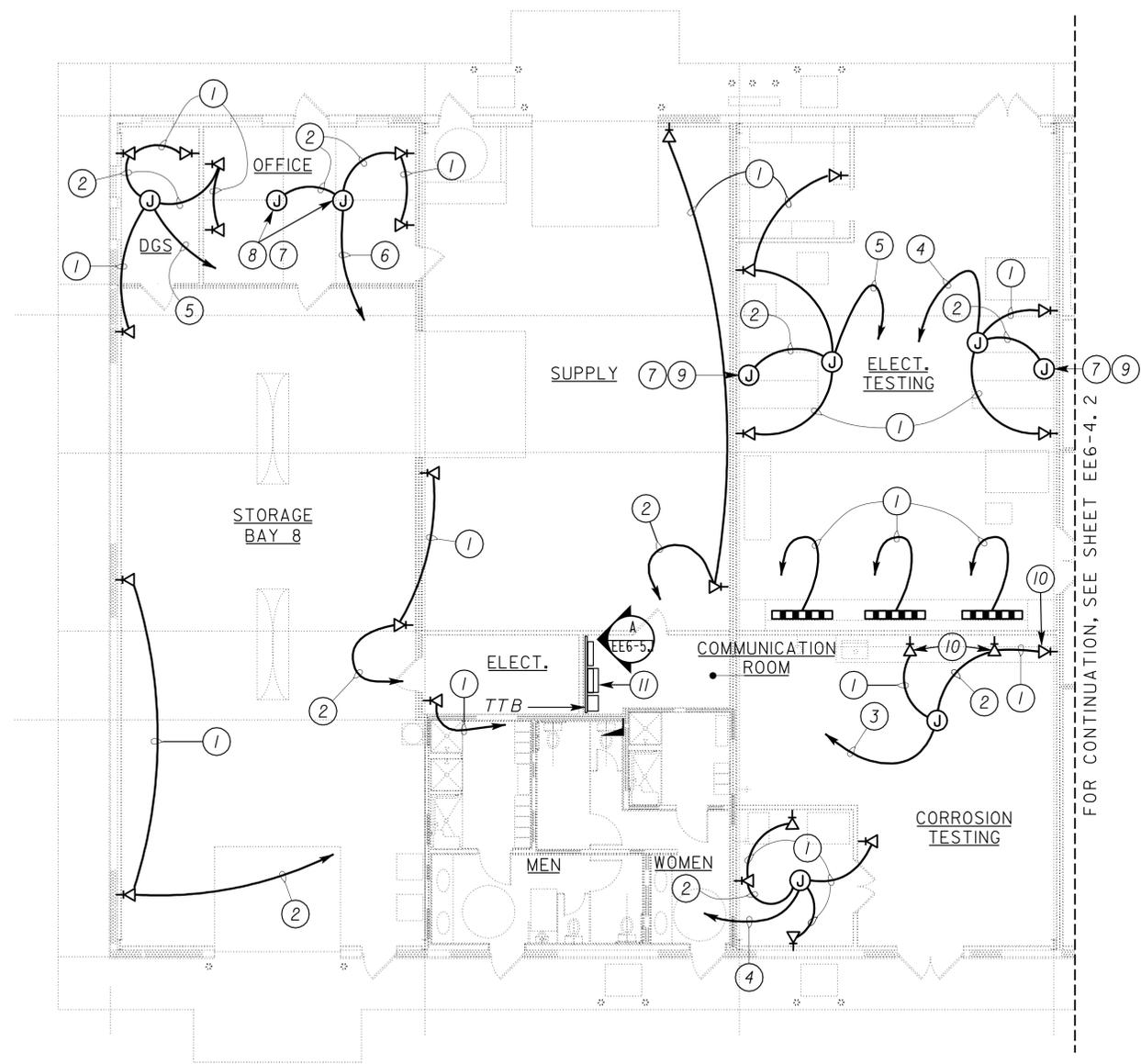
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		137	172

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 Approval date: 07-01-09

Christine H. Mamaril
 REGISTERED ELECTRICAL ENGINEER DATE 5-28-09
 11-23-09
 PLANS APPROVAL DATE



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- General Notes:**
- A. All multi-outlet assemblies shall be mounted at 6" above counter top, bench or table. For details and additional information, see sheet EE6-5.2.
 - B. Multi-outlet assemblies shown on sheet are also shown on Power plans.
 - C. Unless otherwise noted, all homeruns on this sheet shall be to TTB inside communication room. Telephone cables shall be terminated at the type 110 (Category 6) blocks. Data cables shall be terminated at the relocated copper patch panels.

- Notes:**
- ① 3/4" C, 2 Telephone cables, 2 data cables.
 - ② 1" C, 4 Telephone cables, 4 data cables.
 - ③ 1 1/2" C, 6 Telephone cables, 6 data cables.
 - ④ 1 1/2" C, 8 Telephone cables, 8 data cables.
 - ⑤ 2" C, 10 Telephone cables, 10 data cables.
 - ⑥ 2" C, 12 Telephone cables, 12 data cables.
 - ⑦ Provide 10' additional length of 4 telephone cables and 4 data cables in junction box.
 - ⑧ Ceiling mounted junction box.
 - ⑨ Mount junction box at 6" above workbench.
 - ⑩ Mount at 6" above counter top.
 - ⑪ Install relocated switch, UPS power supply with mounting bracket, fiber patch panel, and copper patch panels. Contact telephone number 916-227-9707 or 916-227-9650 for delivery of equipment.

PARTIAL PLAN
 SCALE 1/8" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

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				POST MILE				
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET OF
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>			10/11/07	12/11/07	1/16/08	2/14/08	

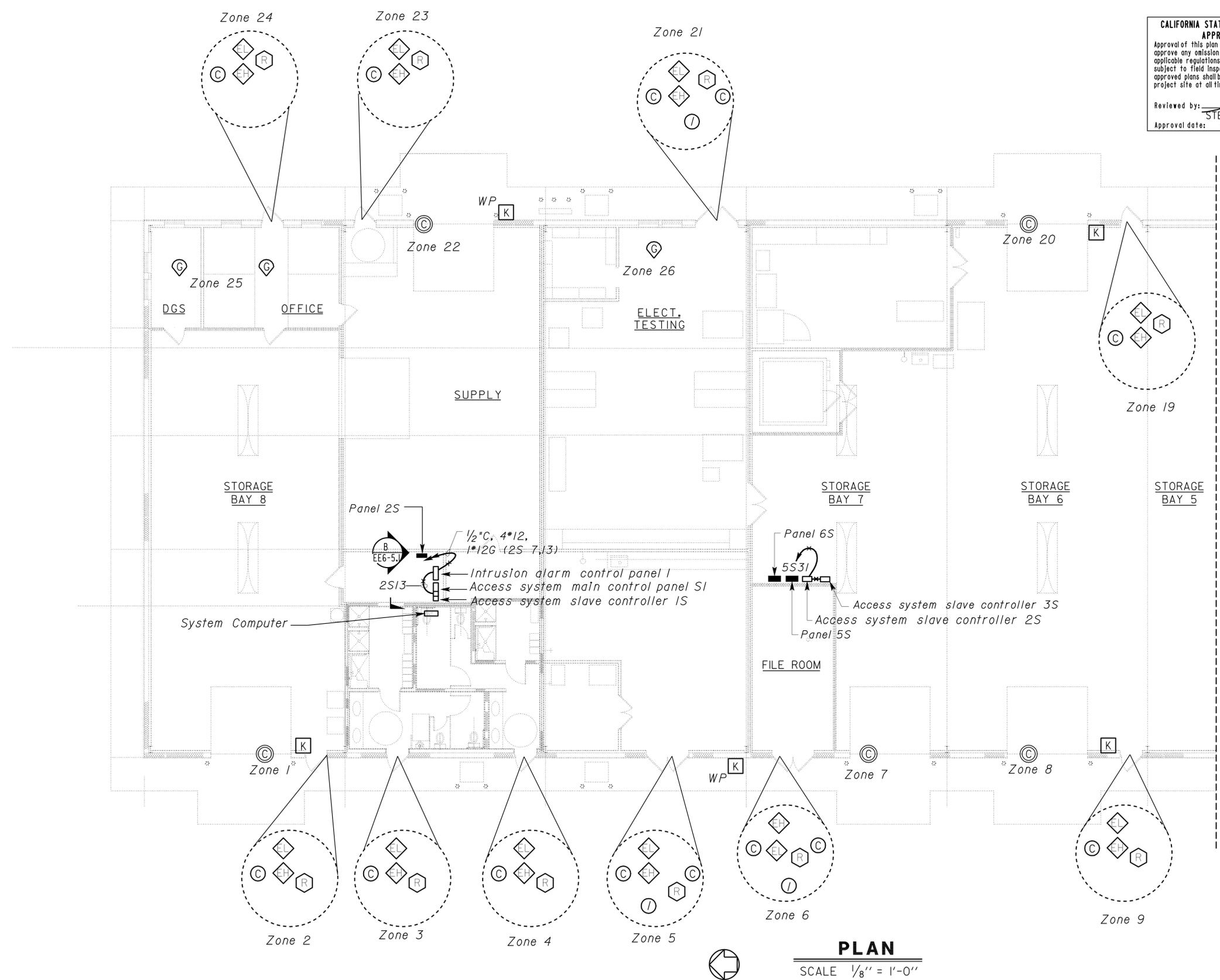
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		139	172

<i>Christine H. Mamaril</i>		REGISTERED ELECTRICAL ENGINEER		DATE	5-28-09
				No.	12801
				Exp.	9-30-10
				ELEC	
				STATE OF CALIFORNIA	

11-23-09
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.

CALIFORNIA STATE FIRE MARSHAL
APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Stephen Guarino*
STEPHEN GUARINO
 Approval date: 07-01-09



FOR CONTINUATION, SEE SHEET EE6-4.4

- General Notes:**
- A. Conduit system for intrusion alarm system and access system is not shown. See Special Provisions.
 - B. Submit conduit and conductor layout for approval prior to installation.
 - C. For intrusion alarm zoning schedule see sheet EE6-4.5.
 - D. Electrified lock set and electrified hinge are Architectural Items and are shown on this sheet for information only. Provide separate power supplies for the door hardware if required by door manufacturer. Monitor switch for exit panic bars are not shown. Connect as required. For door hardware details, see Architectural Plans and Specifications.
 - E. Power supplies are not shown for clarity. Install each power supply inside a NEMA 1 enclosure beside the control panels or controllers as required.
 - F. Access system main control panel SI shall control doors in the Storage Building and access system main control panel RI shall control doors in the Repair Shop.
 - G. Power supplies and expansion modules are not shown. Provide power supplies as required for the proper operation of the entire system.
- Note:**
- ① Electrified lock set or exit device with RX function and electrified hinge shall be in the active leaf of the double doors. See "Finish Hardware" specifications.

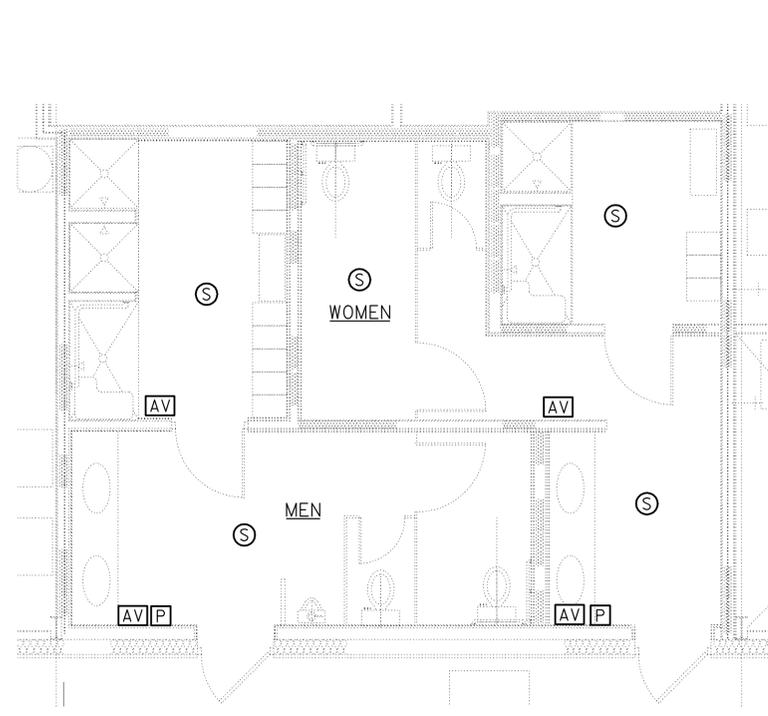
1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

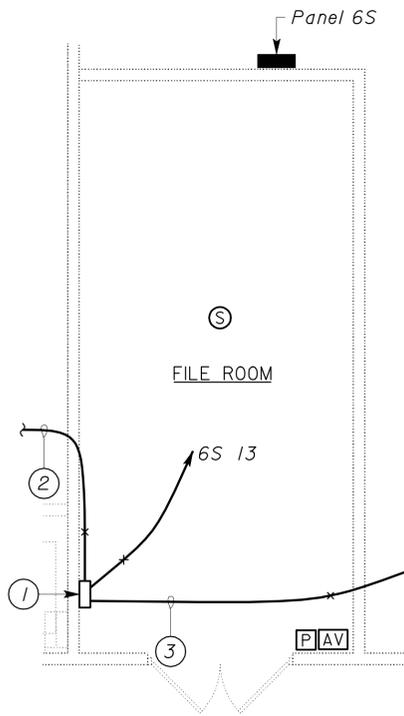
DESIGN BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu/CAE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET EE6-4.3					
				POST MILE			STORAGE BUILDING	INTRUSION ALARM PLAN - NORTH			
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C. H. Mamaril</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03263 EA 2C8441	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF				
QUANTITIES BY <i>C. H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>			0	1	2		3	12/7/08	1/16/09	2/14/09

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5501		142	172

CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Stephen Guarino</i> APPROVED BY: STEPHEN GUARINO Approval date: 07-01-09		REGISTERED PROFESSIONAL ENGINEER C.H. MAMARIL No. 12801 Exp. 9-30-10 ELEC STATE OF CALIFORNIA
11-23-09 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.



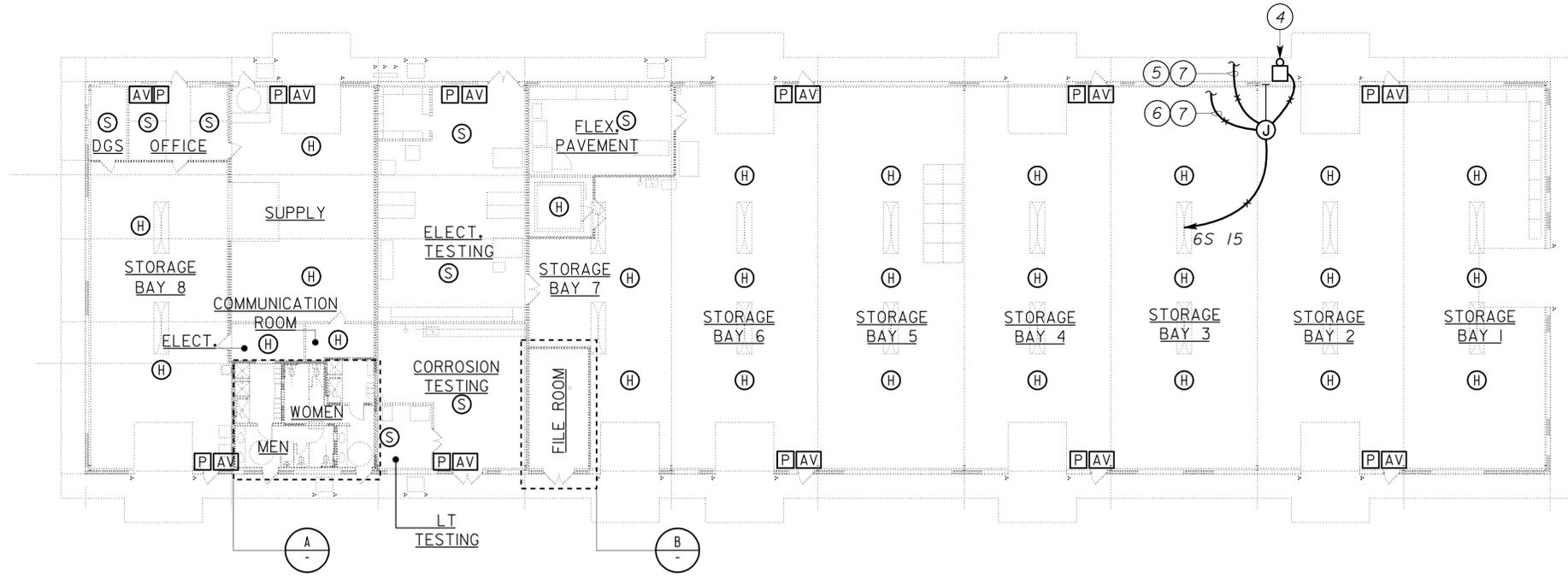
A ENLARGED PLAN
SCALE 1/4" = 1'-0"



B ENLARGED PLAN
SCALE 1/4" = 1'-0"

General Notes:

- A. Conduit and conductor system for the Fire Alarm System is not shown. See special provisions for requirements.
- B. The Fire Alarm System shall conform to the California Electrical Code (CEC) Article 760 and the California Fire Code Section 907 and National Fire Alarm Code 2007 Edition.
- C. Installation of the Fire Alarm System shall not start up until detailed Plans and Specifications including California Fire Marshall listing numbers of each component of the system have been approved by the California State Fire Marshall.
- D. Upon completion of the Installation of the Fire Alarm system, a satisfactory test of the entire system shall be made in the presence of the Enforcing Agency.
- E. For location of jockey pump, fire pump controller and supervisory switch, see Mechanical plans.



Notes:

- ① Fire alarm control panel.
- ② 1/2C, telephone cable to TTB in It Room.
- ③ 1/2"C, fire alarm cable to junction box near fire alarm bell.
- ④ Fire alarm bell
- ⑤ To flow switch.
- ⑥ To supervisory switch.
- ⑦ See Mechanical plans.

PLAN
SCALE 1/16" = 1'-0"

1 REVISED PER ADDENDUM No. 1 DATED FEBRUARY 10, 2010

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>C.H. Mamaril</i>	CHECKED <i>Jesse Sandhu/CAE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	PHASE 4 TRANSLAB REPAIR PROJECT	SHEET EE6-4.6
				POST MILE		
DETAILS BY <i>Ed D. Tapalla 10/07</i>	CHECKED <i>C.H. Mamaril</i>				STORAGE BUILDING	FIRE ALARM PLAN
QUANTITIES BY <i>C.H. Mamaril</i>	CHECKED <i>Jesse Sandhu</i>					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	CU 03263 EA 2C8441	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
DOES SD Imperial Rev. 9/02						9/24/08 12/19/08 2/23/09 5/28/09

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