

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	1	93



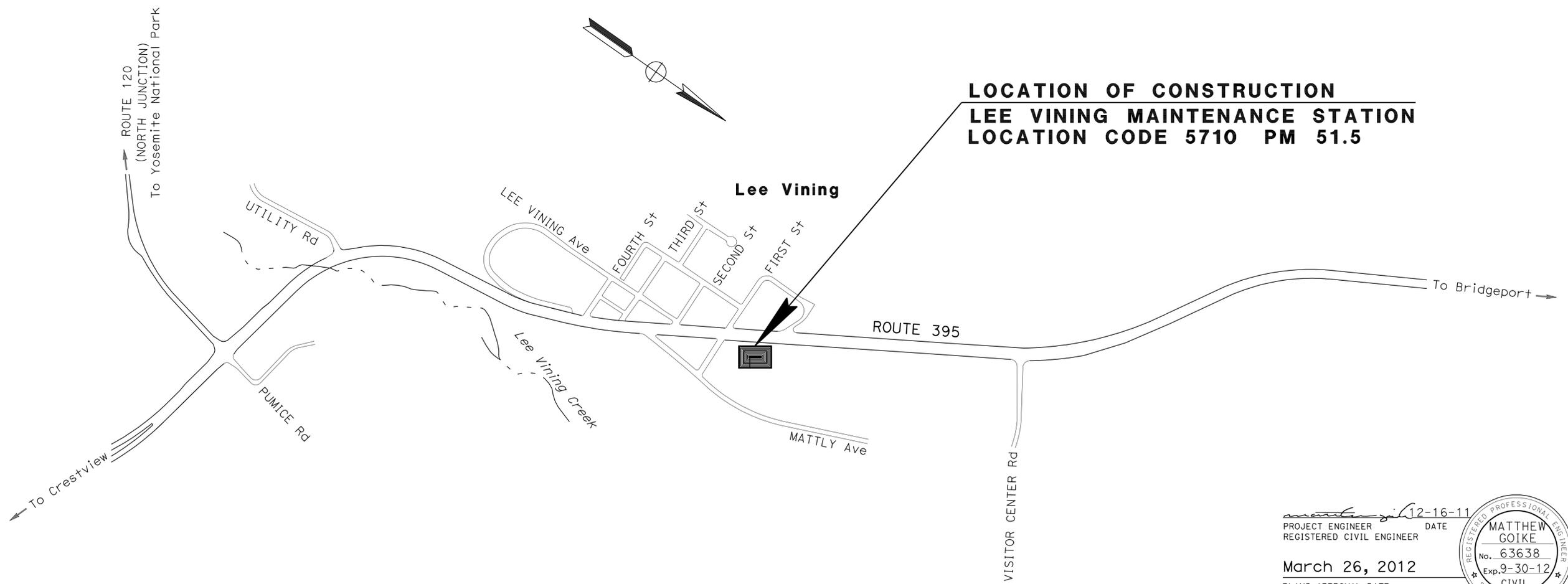
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR BUILDING CONSTRUCTION
ADJACENT TO
STATE HIGHWAY
IN MONO COUNTY IN LEE VINING
AT THE LEE VINING MAINTENANCE STATION

INDEX OF PLANS

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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION
LEE VINING MAINTENANCE STATION
LOCATION CODE 5710 PM 51.5

PROJECT MANAGER
JOHN FOX

DESIGN ENGINEER
JOHN FOX

PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER
March 26, 2012

PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONTRACT No.	09-352304
PROJECT ID	0900020099

NO SCALE

DATE PLOTTED => 26-MAR-2012 TIME PLOTTED => 09:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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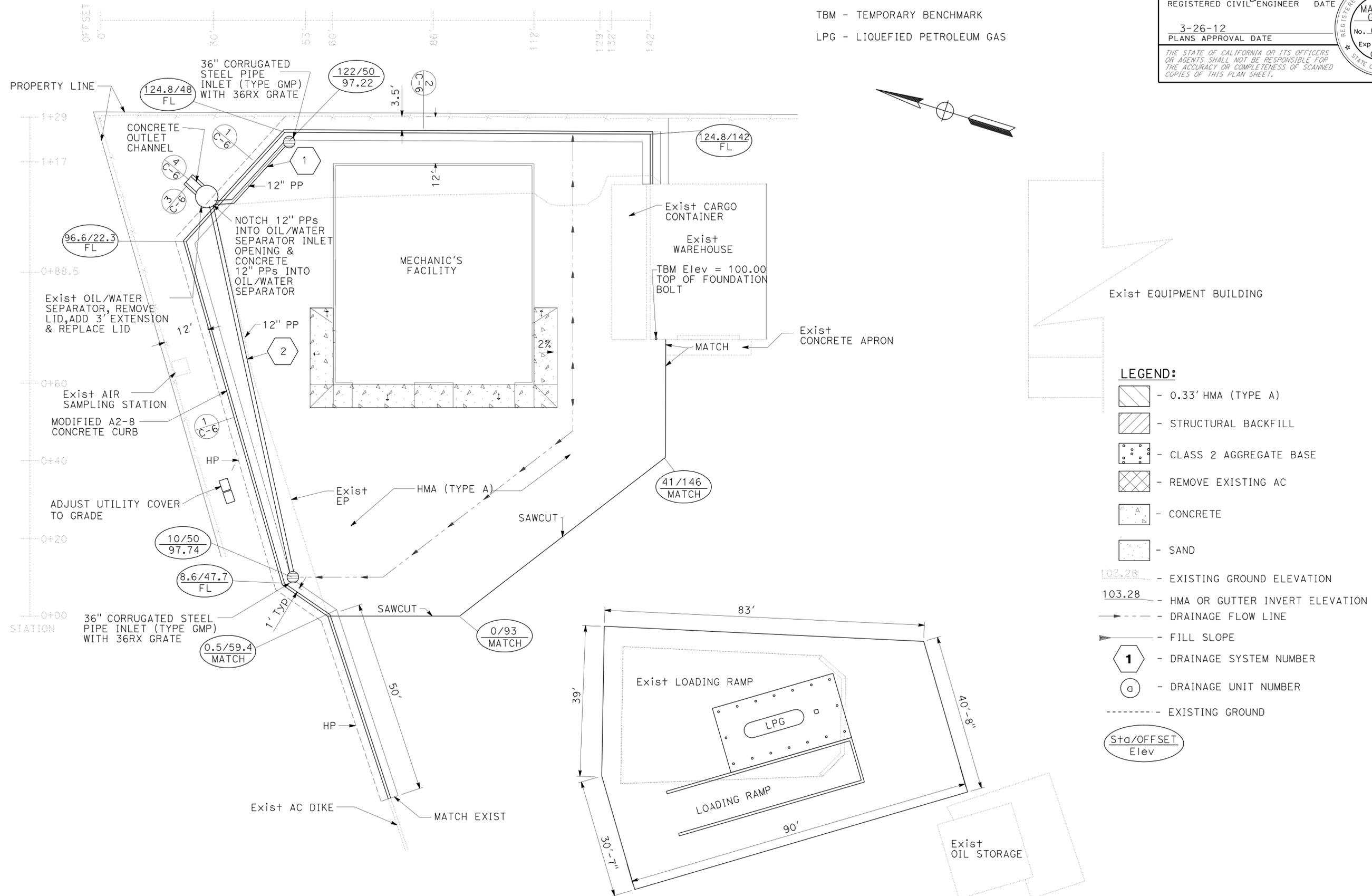
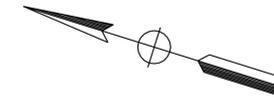
REGISTERED CIVIL ENGINEER	DATE	12-16-11
MATTHEW GOIKE		
No. 63638	Exp. 9-30-12	
CIVIL		

3-26-12
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

ABBREVIATION:

TBM - TEMPORARY BENCHMARK
LPG - LIQUEFIED PETROLEUM GAS



- LEGEND:**
- 0.33' HMA (TYPE A)
 - STRUCTURAL BACKFILL
 - CLASS 2 AGGREGATE BASE
 - REMOVE EXISTING AC
 - CONCRETE
 - SAND
 - 103.28 - EXISTING GROUND ELEVATION
 - 103.28 - HMA OR GUTTER INVERT ELEVATION
 - DRAINAGE FLOW LINE
 - FILL SLOPE
 - DRAINAGE SYSTEM NUMBER
 - DRAINAGE UNIT NUMBER
 - EXISTING GROUND
 - Sta/OFFSET Elev

SITE PLAN

CONSTRUCTION DETAILS
NO SCALE
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: JOHN FOX
CALCULATED/DESIGNED BY: ALLEN TOBEY
CHECKED BY: MATTHEW GOIKE
REVISOR: AT
DATE REVISED: 10-12-11
MA: 10-11-11

USERNAME => s121614
DGN FILE => 935230ga001.dgn

RELATIVE BORDER SCALE IS IN INCHES
0 1 2 3

UNIT 2480

PROJECT NUMBER & PHASE 09000200991

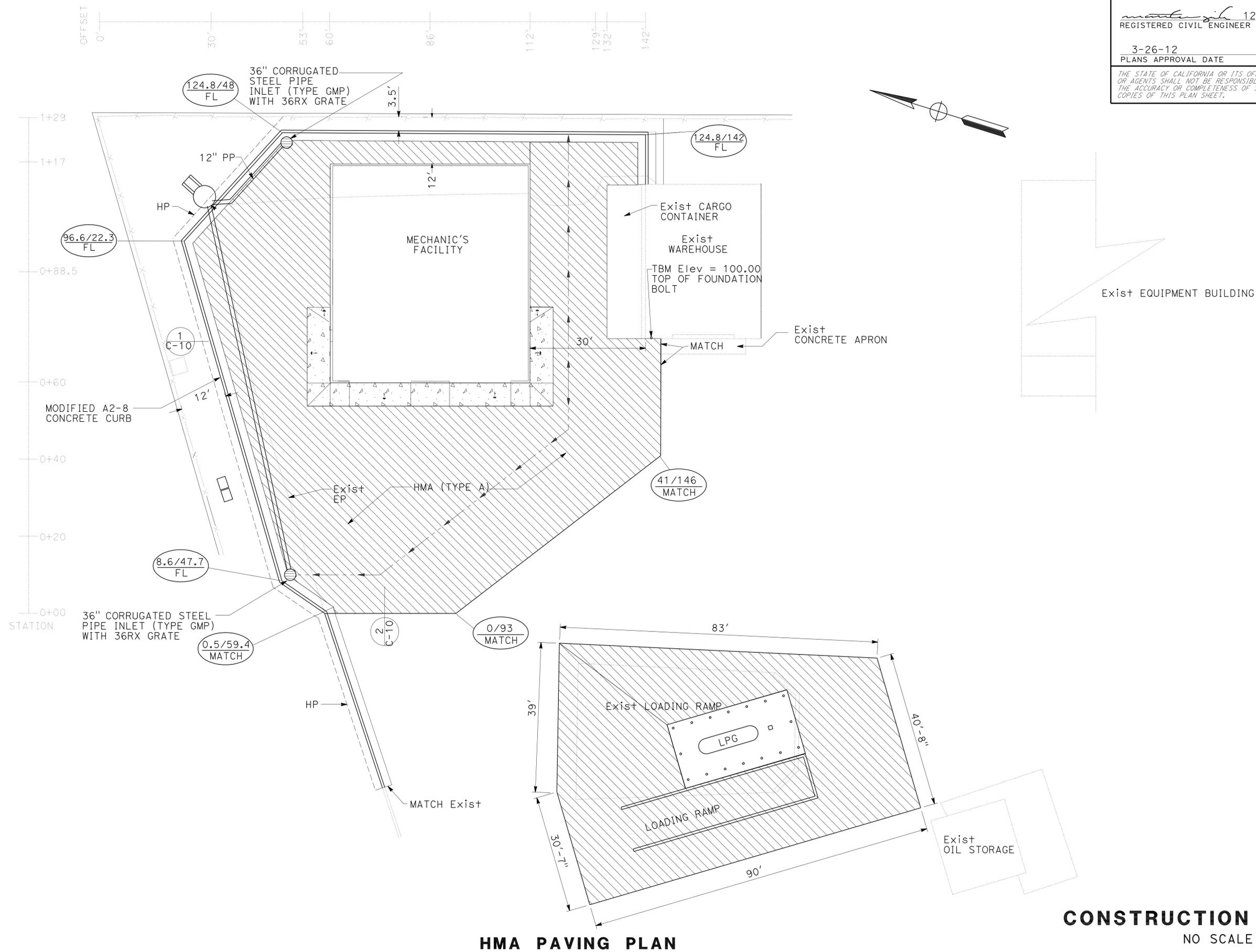
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TIME PLOTTED => 11:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	3	93

REGISTERED CIVIL ENGINEER	DATE	12-16-11
MATTHEW GOIKE		
No. 63638	Exp. 9-30-12	
CIVIL		

3-26-12
PLANS APPROVAL DATE

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HMA PAVING PLAN

**CONSTRUCTION DETAILS
NO SCALE
C-2**

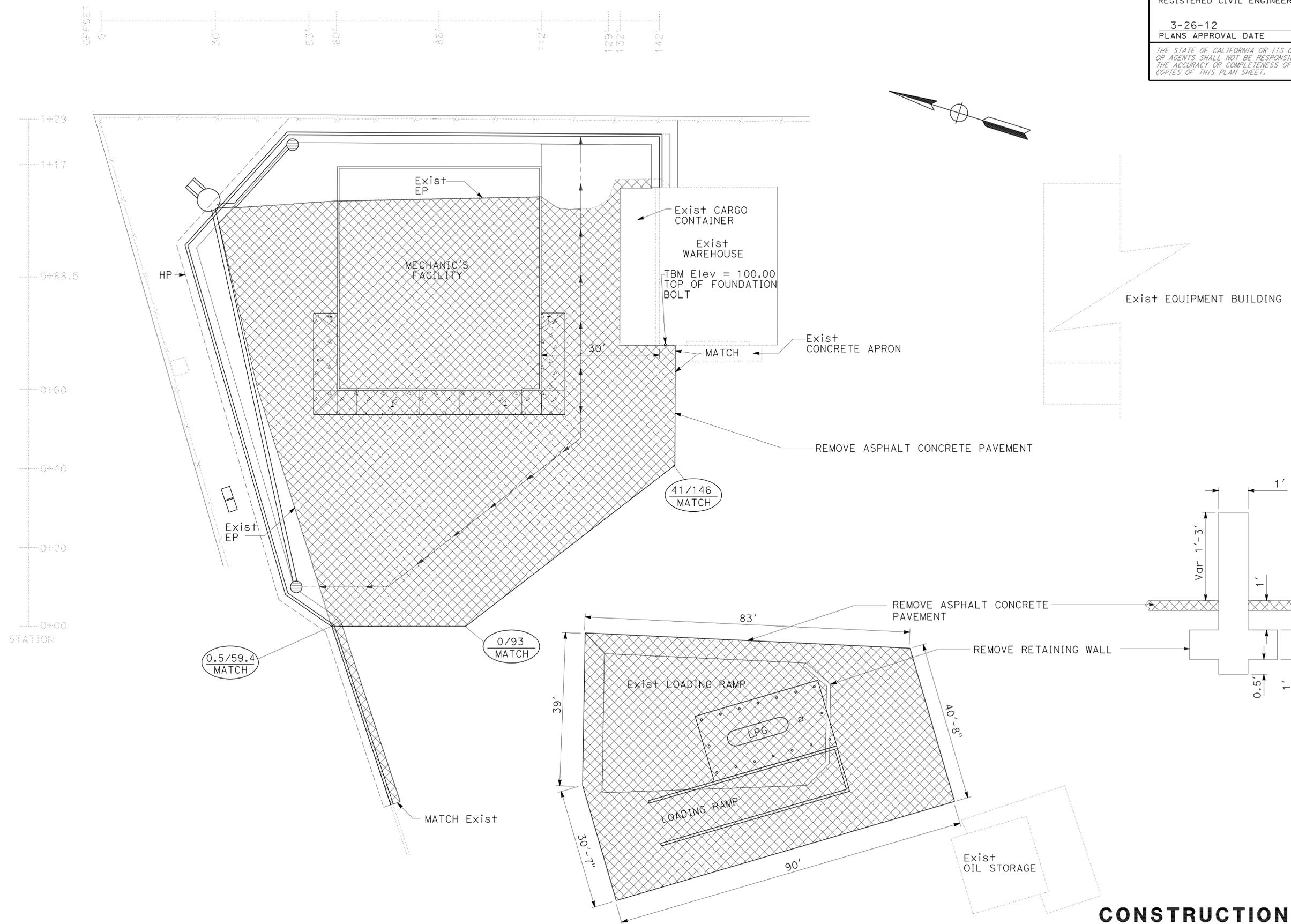
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	JOHN FOX	ALLEN TOBEY	10-11-11
		CHECKED BY	
		DESIGNED BY	
		CALCULATED BY	
		MA	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	4	93

<i>Matthew Goike</i>	12-16-11
REGISTERED CIVIL ENGINEER	DATE
3-26-12	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
MATTHEW GOIKE
No. 63638
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



AC REMOVAL PLAN

CONSTRUCTION DETAILS C-3
NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	ALLEN TOBEY	REVISOR	MA
Caltrans MAINTENANCE ENGINEERING	JOHN FOX	MATTHEW GOIKE	DATE	10-07-11
			CHECKED BY	
			DESIGNED BY	

USERNAME => s121614
DGN FILE => 935230ga003.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2480

PROJECT NUMBER & PHASE

09000200991

LAST REVISION DATE PLOTTED => 23-MAR-2012
12-16-11 TIME PLOTTED => 11:55

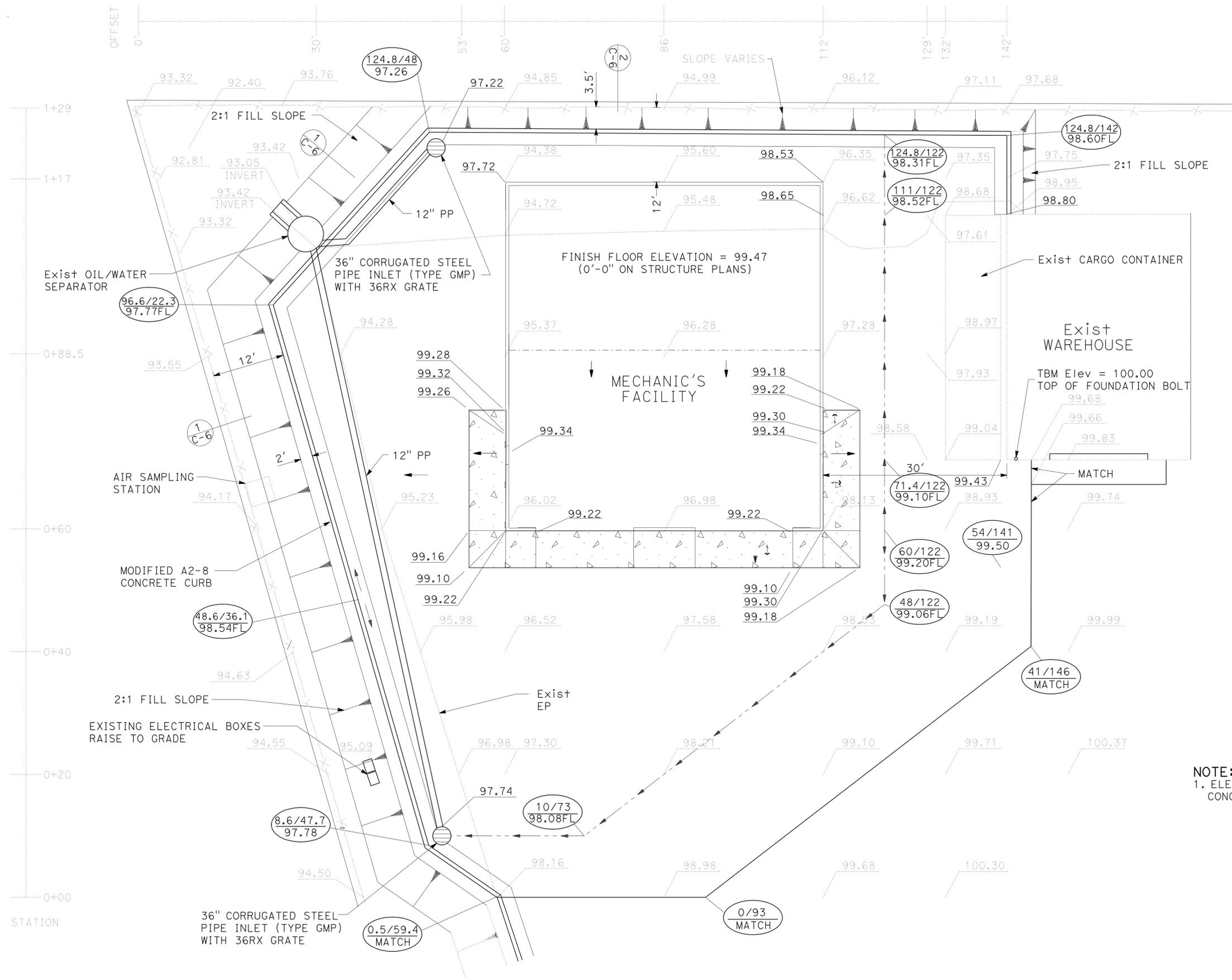
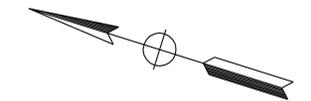
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	5	93

12-16-11
REGISTERED CIVIL ENGINEER DATE

3-26-12
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
MATTHEW GOIKE
No. 63638
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA



NOTE:
1. ELEVATIONS ARE TO THE TOP OF HMA (TYPE A) OR CONCRETE GUTTER FL.

MECHANIC'S FACILITY GRADING PLAN

**CONSTRUCTION DETAILS
NO SCALE
C-4**

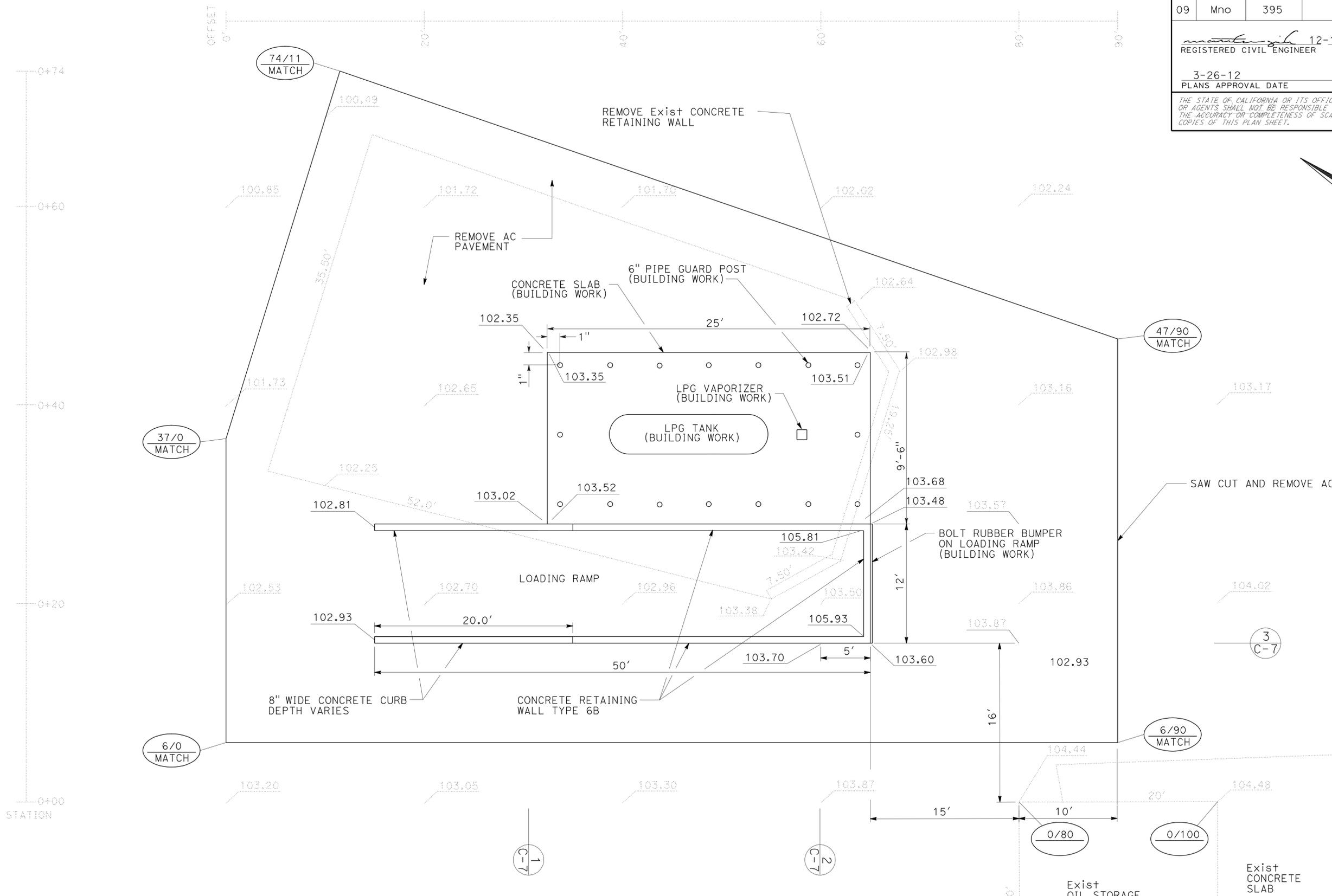
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Caltrans MAINTENANCE ENGINEERING	AT
FUNCTIONAL SUPERVISOR JOHN FOX	REVISOR ALLEN TOBEY
CHECKED BY MATTHEW GOIKE	DATE REVISION 10-12-11 10-11-11
DESIGNED BY	DESIGNED BY
CALCULATED BY	CALCULATED BY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	6	93

REGISTERED CIVIL ENGINEER	DATE	12-16-11
MATTHEW GOIKE		
No. 63638		
Exp. 9-30-12		
CIVIL		

PLANS APPROVAL DATE	3-26-12
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LOADING RAMP AND PROPANE TANK SITE PLAN

CONSTRUCTION DETAILS
NO SCALE
C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	JOHN FOX	ALLEN TOBEY	AT	10-12-11
		CHECKED BY	MA	10-11-11
		MATTHEW GOIKE		

USERNAME => s121614
DGN FILE => 935230ga005.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2480

PROJECT NUMBER & PHASE

09000200991

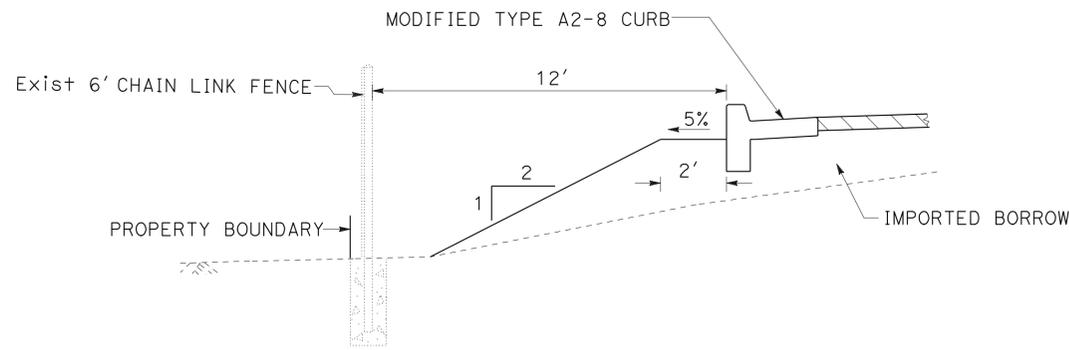
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TIME PLOTTED => 11:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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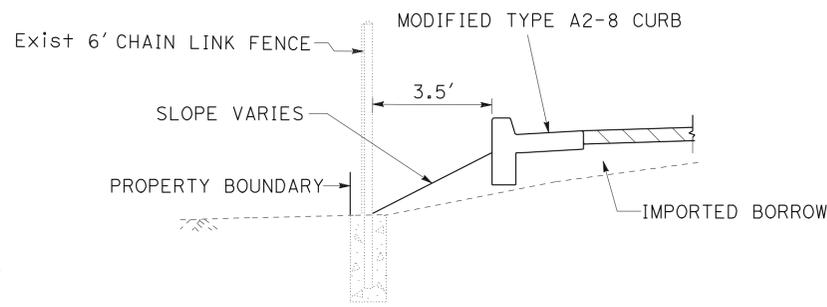
REGISTERED CIVIL ENGINEER	DATE
12-16-11	
3-26-12	PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER	No. 63638
Exp. 9-30-12	CIVIL

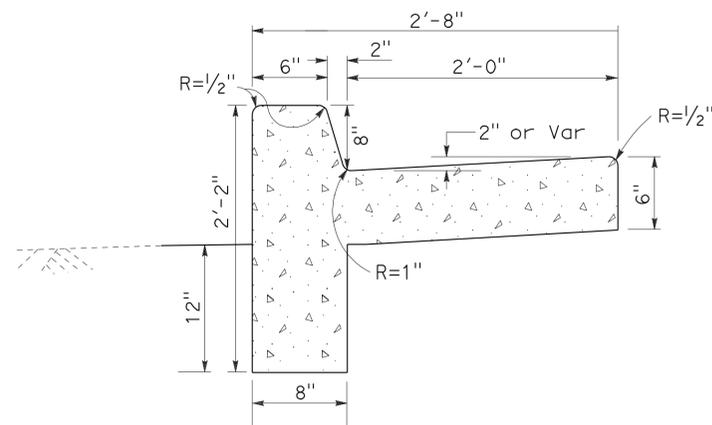
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



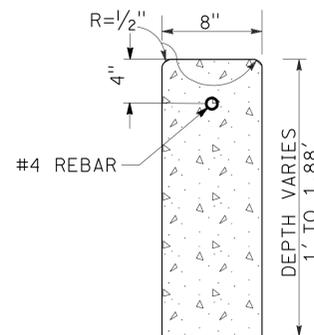
1 CURB & FILL SLOPE DETAIL



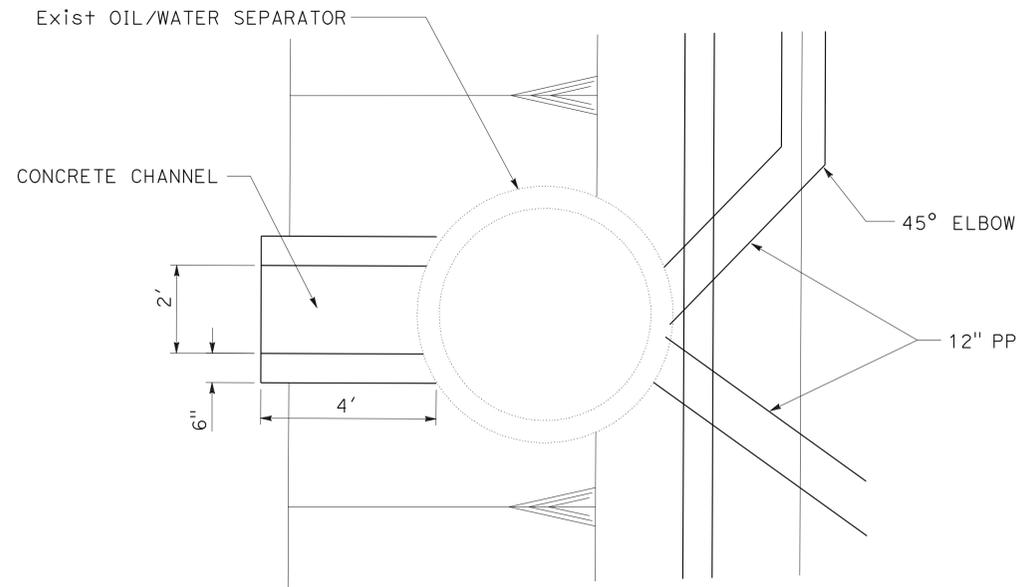
2 CURB & FILL SLOPE DETAIL ALONG EAST FENCE



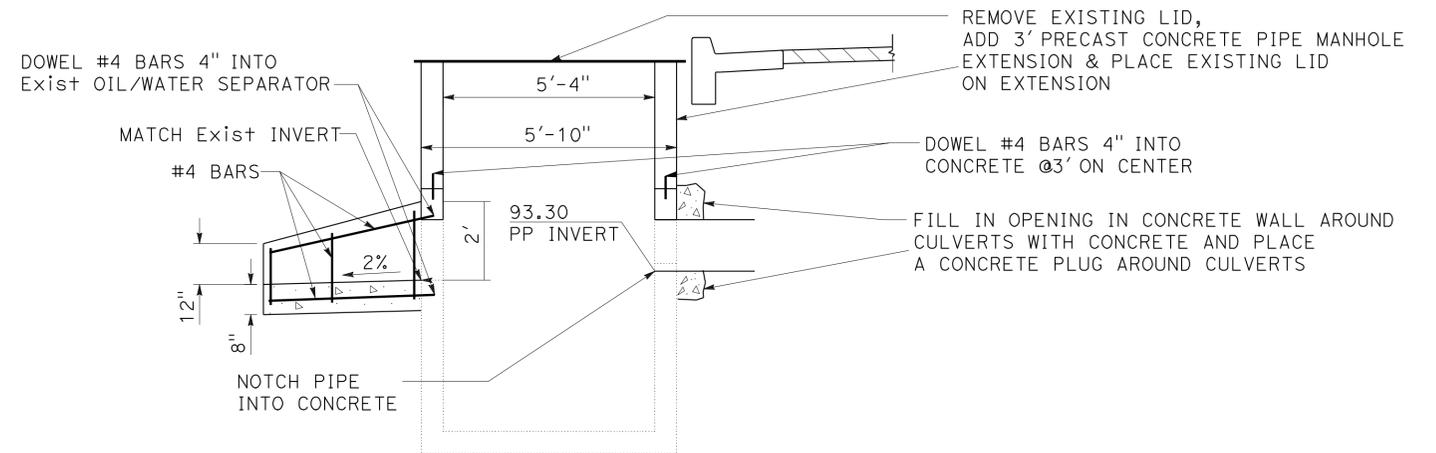
MODIFIED TYPE A2-8 CURB



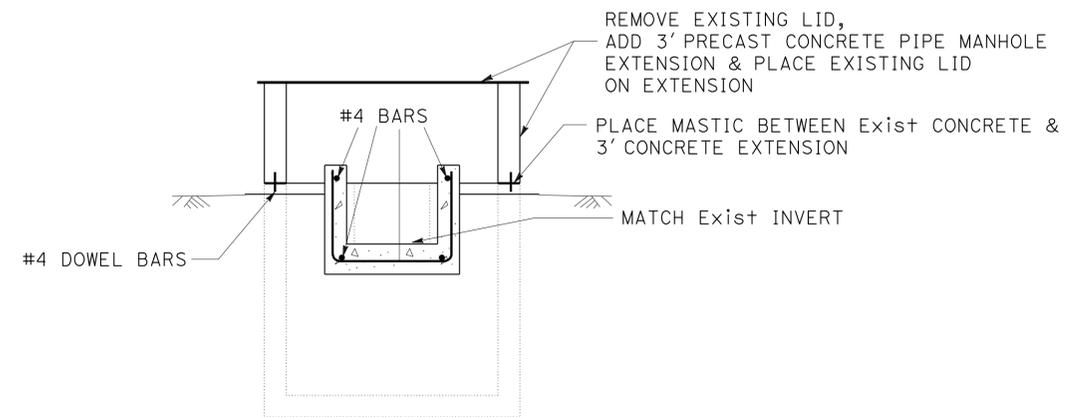
CONCRETE CURB IN LOADING RAMP



OIL/WATER SEPARATOR MODIFICATION PLAN



3 OIL/WATER SEPARATOR MODIFICATION SECTION



4 OIL/WATER SEPARATOR MODIFICATION SECTION

CONSTRUCTION DETAILS
NO SCALE
C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR
JOHN FOX

CALCULATED/DESIGNED BY
CHECKED BY

ALLEN TOBEY
MATTHEW GOIKE

REVISED BY
DATE REVISED

MA
AT
07-20-11 10-11-11

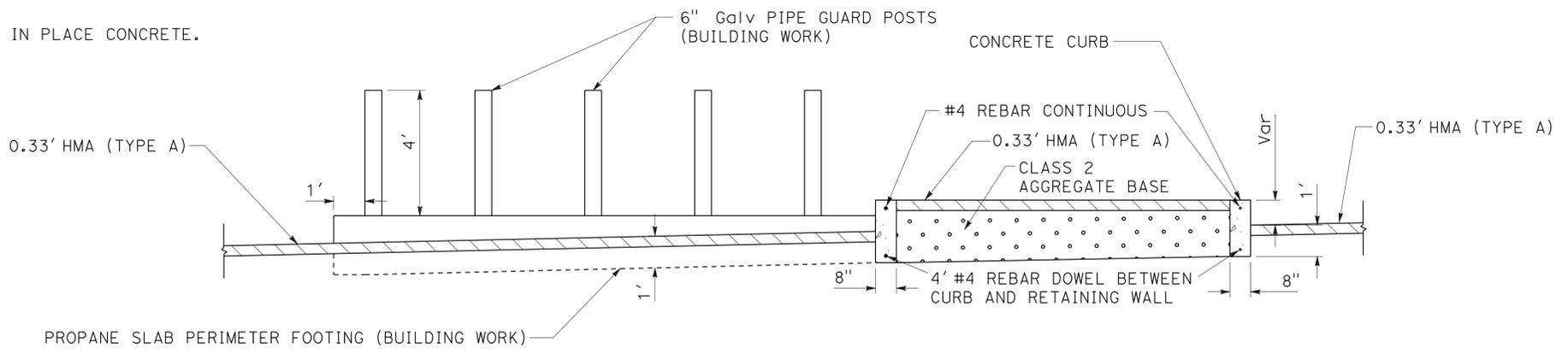
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	8	93

REGISTERED CIVIL ENGINEER	DATE
12-16-11	
REGISTERED CIVIL ENGINEER	DATE
3-26-12	
PLANS APPROVAL DATE	

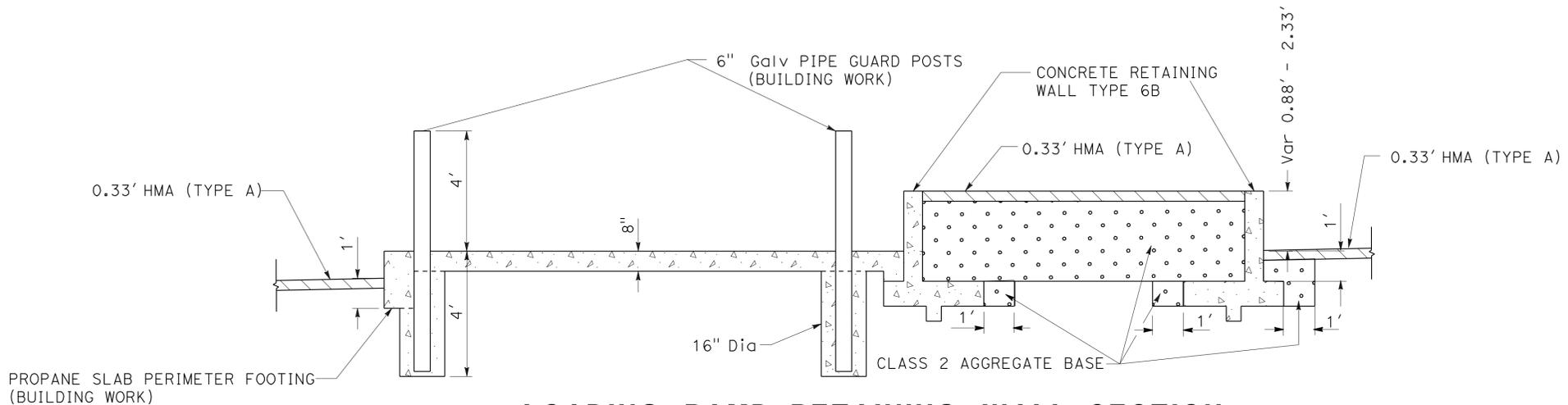
REGISTERED PROFESSIONAL ENGINEER
MATTHEW GOIKE
No. 63638
Exp. 9-30-12
CIVIL

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

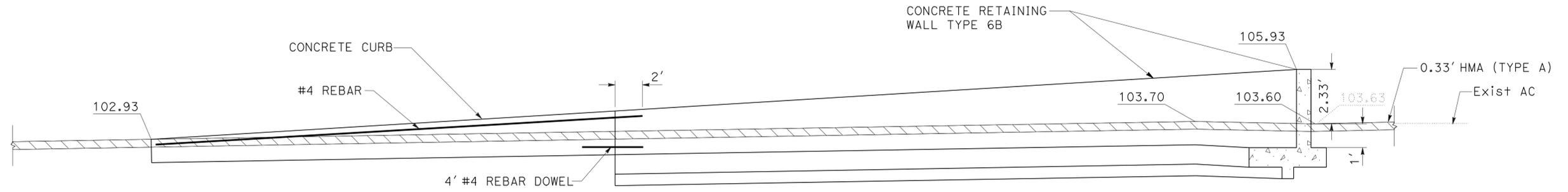
NOTE:
RETAINING WALL SHALL BE CAST IN PLACE CONCRETE.



1 LOADING RAMP CURB SECTION



2 LOADING RAMP RETAINING WALL SECTION



3 LOADING RAMP RETAINING WALL PROFILE

CONSTRUCTION DETAILS
NO SCALE
C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR	JOHN FOX
CALCULATED/DESIGNED BY	CHECKED BY
ALLEN TOBEY	MATTHEW GOIKE
REVISOR	DATE
AT	MA
08-18-11	10-11-11

USERNAME => s121614
DGN FILE => 935230ga007.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2480

PROJECT NUMBER & PHASE

09000200991

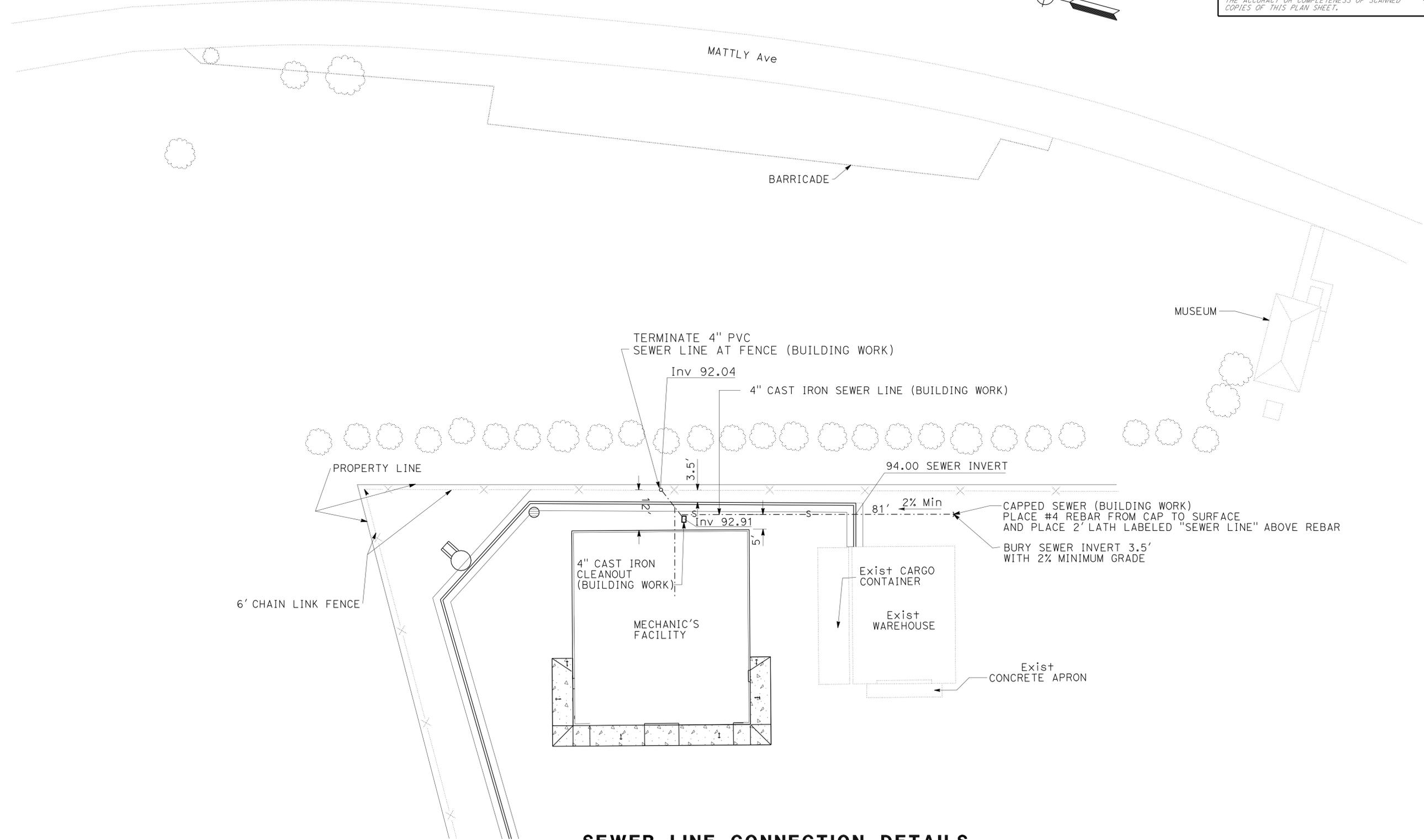
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TIME PLOTTED => 09:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	9	93

Matthew J. Goike 12-16-11
 REGISTERED CIVIL ENGINEER DATE
 3-26-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MATTHEW GOIKE
 No. 63638
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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SEWER LINE CONNECTION DETAILS

CONSTRUCTION DETAILS
NO SCALE
C-8

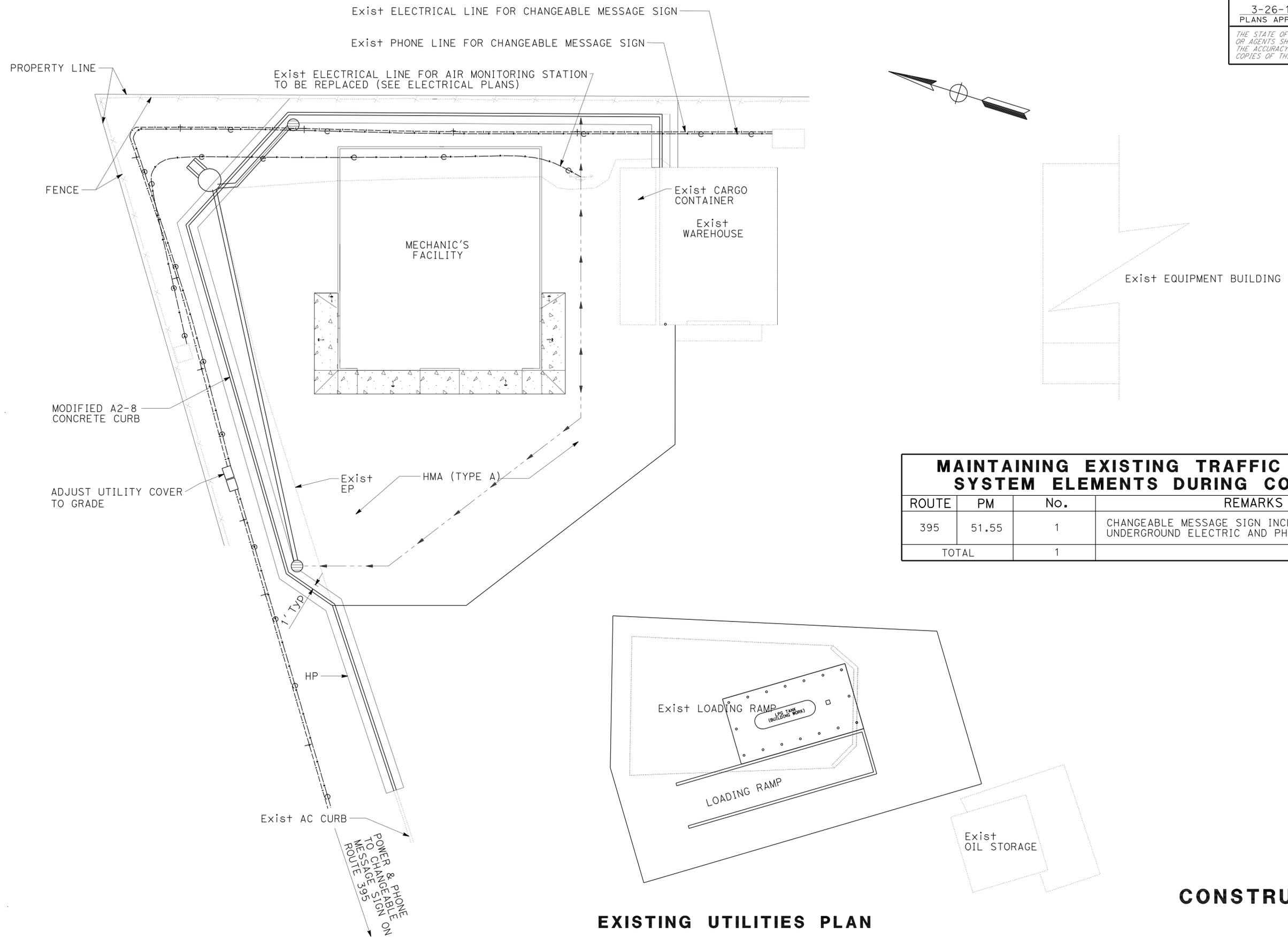
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	JOHN FOX	MONTASHEEMA AFROZE	10-11-11
		ALLEN TOBEY	09-14-11
		MA	AT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	10	93

REGISTERED CIVIL ENGINEER DATE 12-16-11
 REGISTERED CIVIL ENGINEER DATE 3-26-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MATTHEW GOIKE
 No. 63638
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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 COPIES OF THIS PLAN SHEET.



MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

ROUTE	PM	No.	REMARKS
395	51.55	1	CHANGEABLE MESSAGE SIGN INCLUDING UNDERGROUND ELECTRIC AND PHONE SERVICE
TOTAL		1	

EXISTING UTILITIES PLAN

CONSTRUCTION DETAILS
NO SCALE
C-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JOHN FOX
 CHECKED BY MATTHEW GOIKE
 ALLEN TOBEY
 REVISOR DATE
 AT 10-12-11
 MA 10-11-11

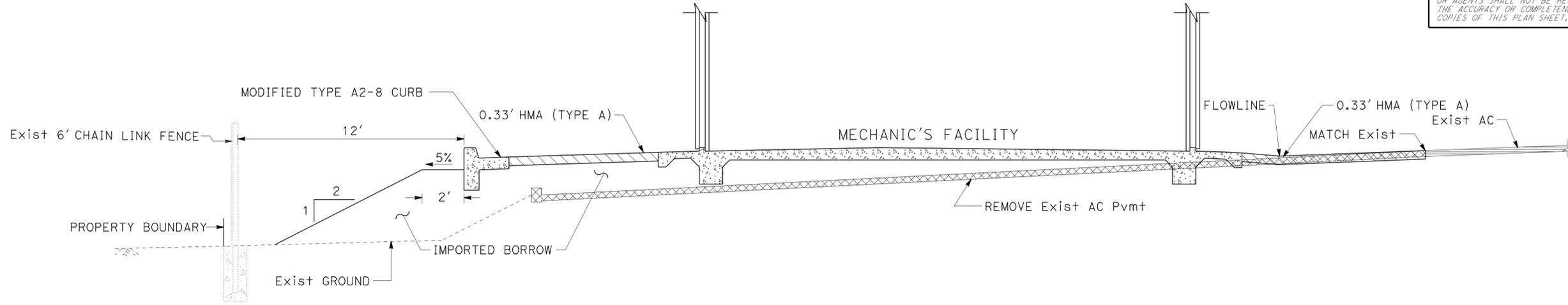
LAST REVISION DATE PLOTTED => 26-MAR-2012
 12-16-11 TIME PLOTTED => 09:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	11	93

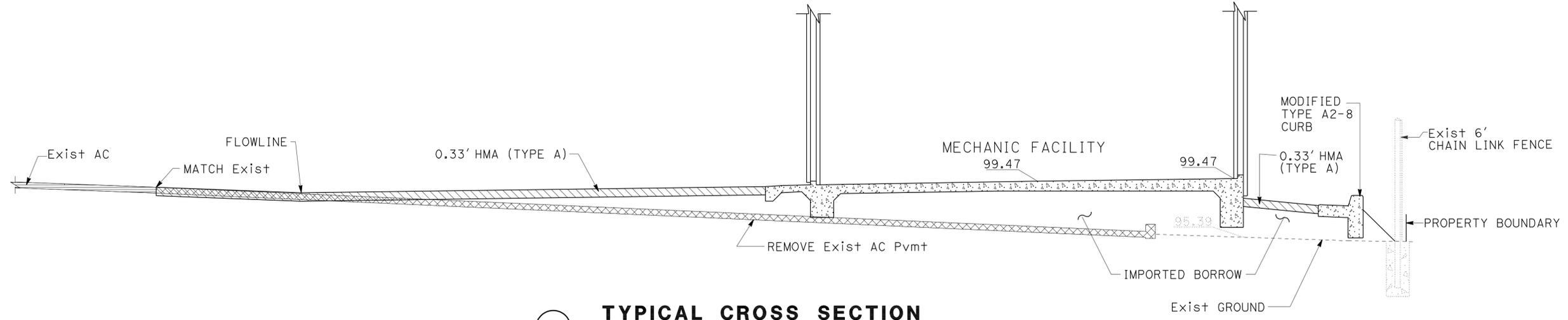
REGISTERED CIVIL ENGINEER	DATE	12-16-11
REGISTERED CIVIL ENGINEER	DATE	3-26-12
PLANS APPROVAL DATE		

REGISTERED PROFESSIONAL ENGINEER	STATE OF CALIFORNIA
MATTHEW GOIKE	No. 63638
Exp. 9-30-12	CIVIL

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① TYPICAL CROSS SECTION



② TYPICAL CROSS SECTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: JOHN FOX
 REVISIONS: MA 10-11-11
 REVISOR: ALLEN TOBEY
 DESIGNER: MATTHEW GOIKE
 CHECKED BY: [blank]
 DESIGNED BY: [blank]

USERNAME => s119571
 DGN FILE => 935230ga010.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2480

PROJECT NUMBER & PHASE 09000200991

CONSTRUCTION DETAILS
 NO SCALE
C-10

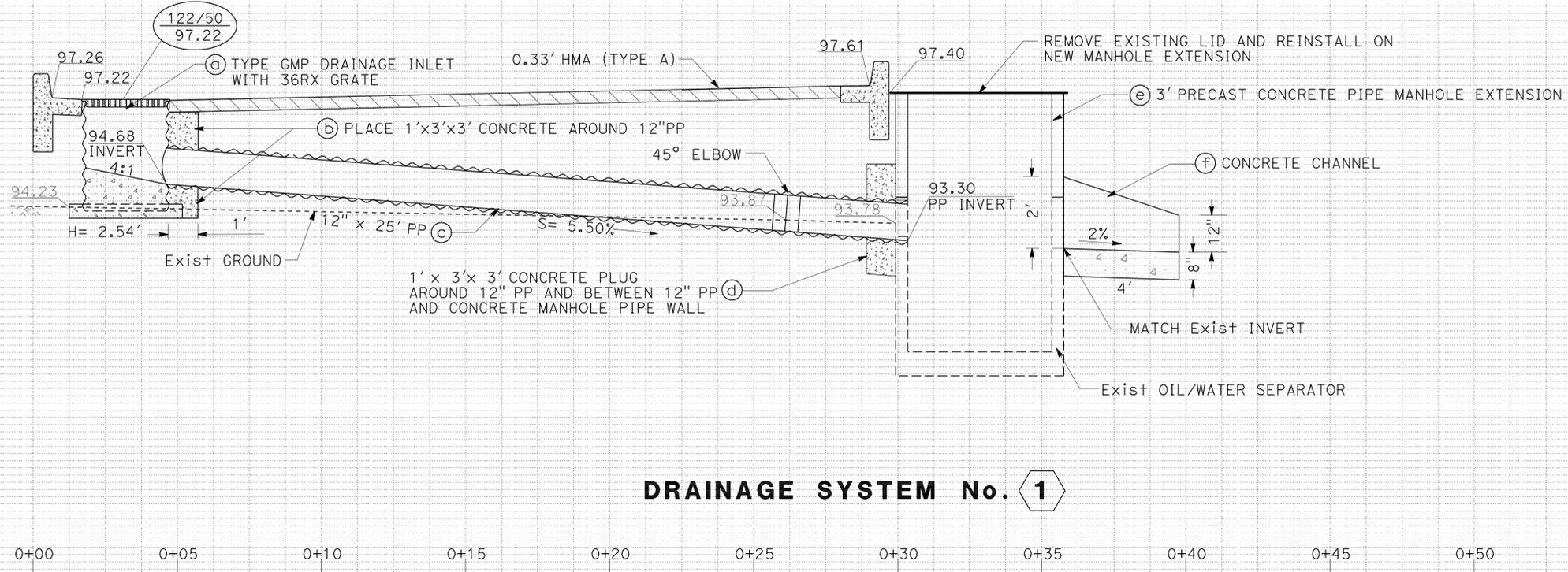
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	12	93

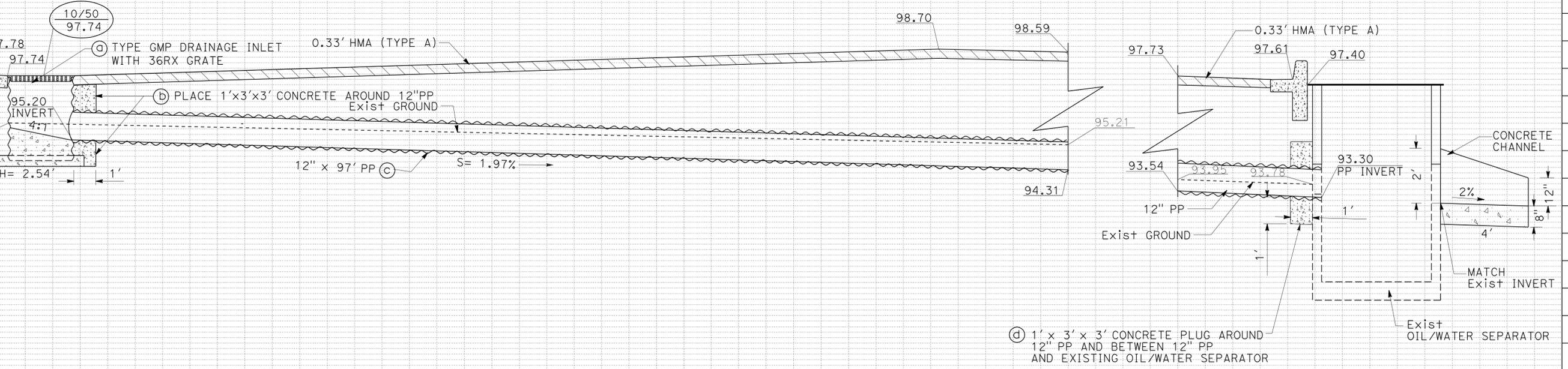
REGISTERED CIVIL ENGINEER	DATE
MATTHEW GOIKE	12-16-11
No. 63638	
Exp. 9-30-12	
CIVIL	

3-26-12
PLANS APPROVAL DATE

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DRAINAGE SYSTEM No. 1



DRAINAGE SYSTEM No. 2

DRAINAGE PROFILES
SCALE Horiz: 1" = 5'
Vert: 1" = 4'
DP-1

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: JOHN FOX
REVISOR: MONTASHEEMA AFROZE
DATE REVISION: 10-11-11
CHECKED BY: ALLEN TOBEY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER DATE 12-16-11
 3-26-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MATTHEW GOIKE
 No. 63638
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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NOTES:

1. PLASTIC PIPE SHALL HAVE SMOOTH INTERIOR.
2. (N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
3. ALL JOINTS SHALL BE STANDARD JOINT TYPE.

ALLOWABLE PLASTIC PIPE MATERIAL		
DESCRIPTION	HDPE TYPE D OR S	PVC
	SIZE	SIZE
12" PLASTIC	12"	12"

DRAINAGE QUANTITIES										
DRAINAGE SYSTEM No. 	DRAINAGE UNIT 							DESCRIPTION	DRAINAGE SYSTEM No. 	DRAINAGE UNIT 
		LF	LB	CY	LF	LF	LB			
1	a	3.04	215	0.40				36" CORRUGATED STEEL PIPE INLET (TYPE GMP)	1	a
	b			0.30				3' x 3' CONCRETE PLUG AROUND 12" PLASTIC PIPE		b
	c				25			12" PLASTIC PIPE (PIPE LENGTH INCLUDES ONE 45° ELBOW)		c
	d			0.40				1' x 3' x 3' CONCRETE PLUG AROUND 12" PLASTIC PIPE & BETWEEN 12" PP & CONCRETE MANHOLE PIPE WALL		d
	e					3		PRECAST CONCRETE PIPE MANHOLE (CONCRETE EXTENSION OF Exist OIL/WATER SEPARATOR)		e
	f			0.60			23.0	MINOR CONCRETE (MINOR STRUCTURE) (CONCRETE CHANNEL)		f
2	a	3.04	215	0.40				36" CORRUGATED STEEL PIPE INLET (TYPE GMP)	2	a
	b			0.30				1' x 3' x 3' CONCRETE PLUG AROUND 12" PLASTIC PIPE		b
	c				97			12" PLASTIC PIPE		c
	d			0.30				1" x 3' x 3' CONCRETE PLUG AROUND 12" PLASTIC PIPE AND BETWEEN 12" PLASTIC PIPE AND EXISTING OIL/WATER SEPARATOR		d
TOTAL		6.08	430	2.70	122	3	23.0			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR
 CALCULATED/DESIGNED BY
 CHECKED BY
 MONTASHEEMA AFROZE
 ALLEN TOBEY
 REVISED BY
 DATE REVISED
 MA
 AT
 08-10-11 10-17-11

**DRAINAGE QUANTITIES
DQ-1**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR
 JOHN FOX

CALCULATED/DESIGNED BY
 ALLEN TOBEY

REVISOR BY
 MONTASHEEMA AFROZE

MA
 09-06-11 10-17-11

NOTE:
 (N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	14	93

12-16-11
 REGISTERED CIVIL ENGINEER DATE

3-26-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MATTHEW GOIKE
 No. 63638
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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PAVEMENT QUANTITIES			
HOT MIX ASPHALT (TYPE A)	MINOR CONCRETE (CURB) (MODIFIED TYPE A2-8)	ROADWAY EXCAVATION	IMPORTED BORROW
TON	CY	CY	TON
300	28	124	608

LOADING RAMP RETAINING WALL QUANTITIES				
STRUCTURAL CONCRETE (RETAINING WALL)	RETAINING WALL STEM (TYPE 6B)	BAR REINFORCING STEEL	STRUCTURE EXCAVATION (RETAINING WALL)	CLASS 2 AGGREGATE BASE
CY	SQFT	LB	CY	CY
7	200	973	13	83

REMOVE ASPHALT CONCRETE PAVEMENT
CY
200

REMOVE RETAINING WALL
CY
8

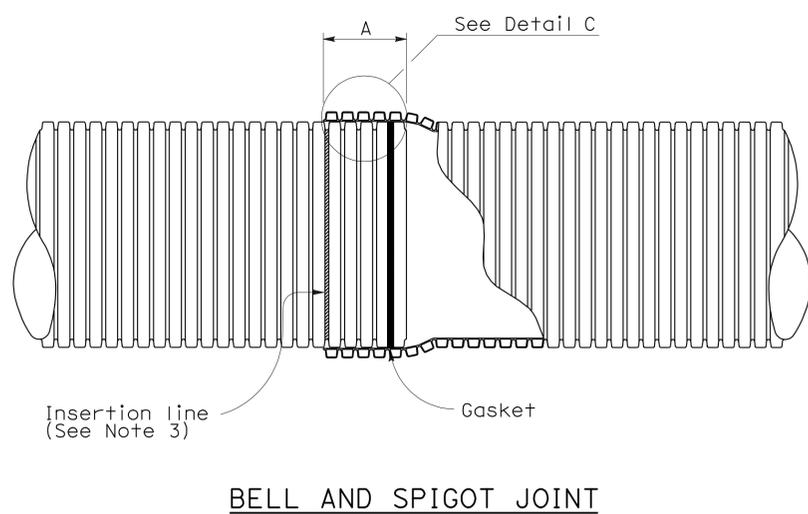
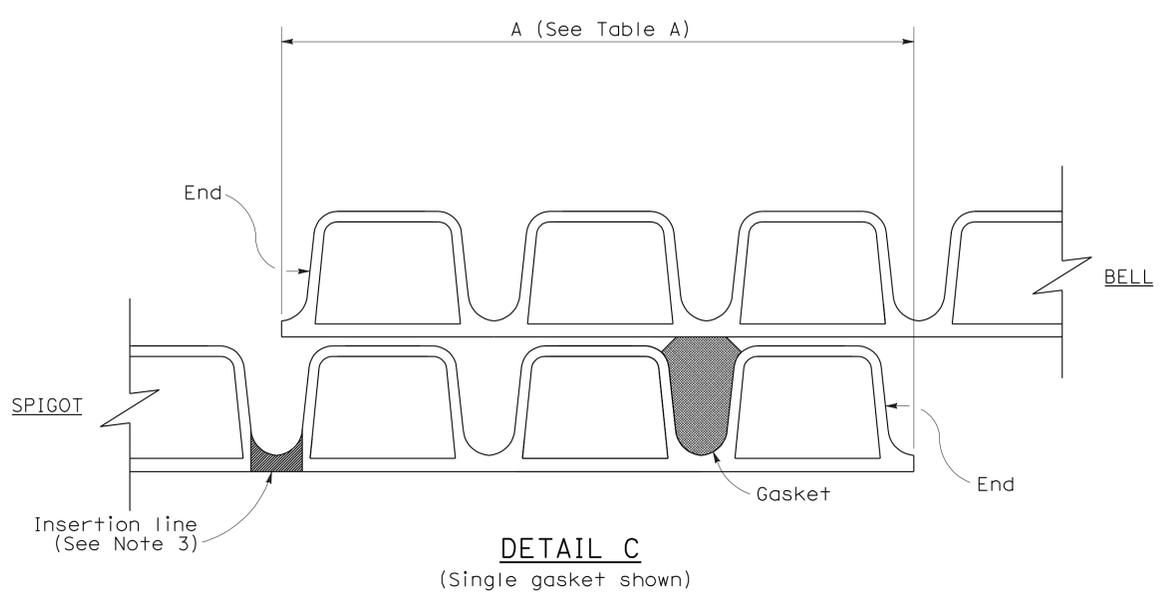
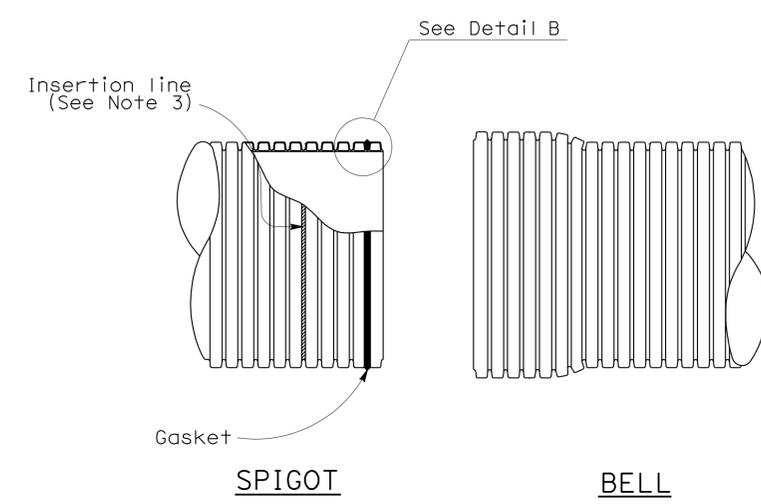
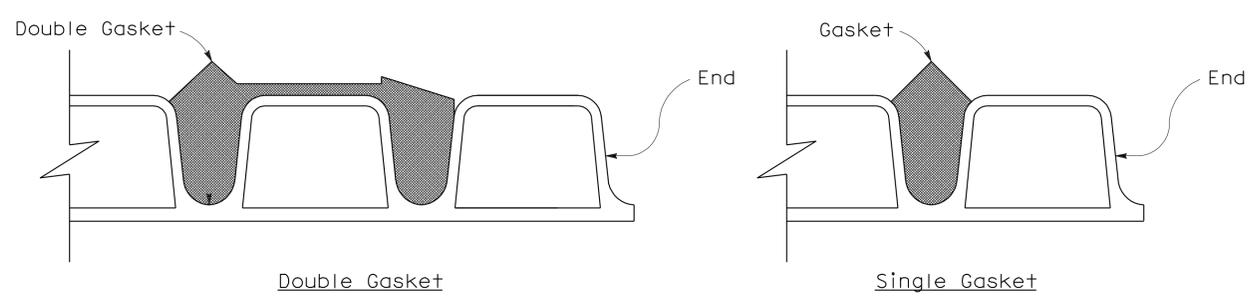
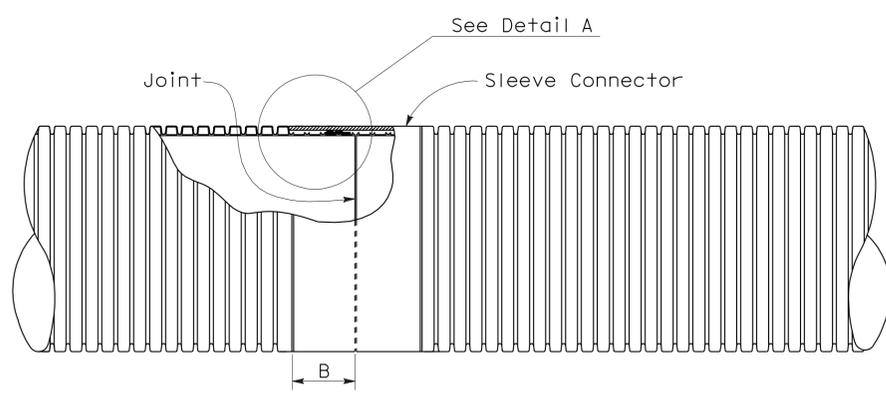
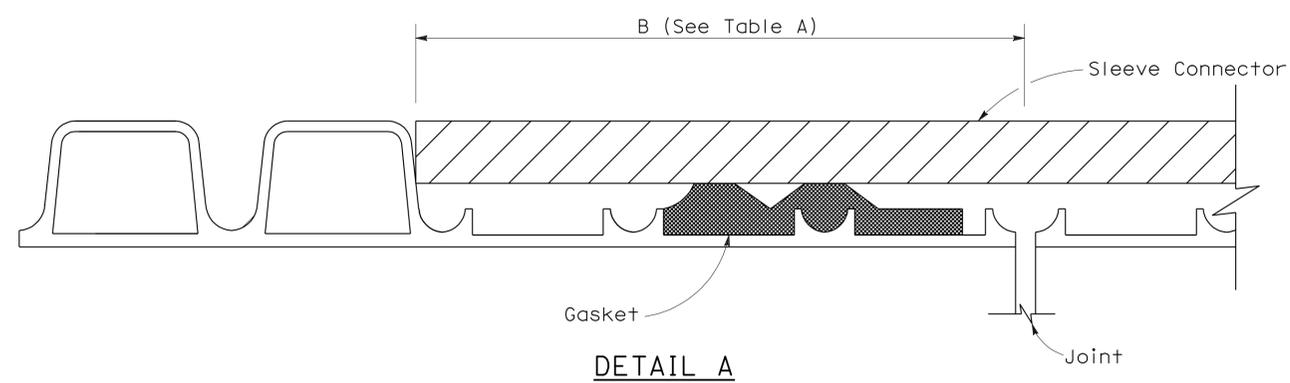
ADJUST UTILITY COVER TO GRADE
EA
2

MINOR CONCRETE (MINOR STRUCTURE)		
MINOR CONCRETE (MINOR STRUCTURE)	BAR REINFORCING STEEL (N)	NOTES
CY	LB	
1.5	35	LOADING RAMP CURB
2.7	23	DRAINAGE
4.2	58	TOTAL

**SUMMARY OF QUANTITIES
 Q-1**

LAST REVISION DATE PLOTTED => 26-MAR-2012 12-16-11 TIME PLOTTED => 09:27

To accompany plans dated 3-26-12



NOTES:

- For pipe sections installed on straight alignment, the pipe sections shall be joined to achieve maximum joint overlap at all points on the periphery as indicated in Table A where the plans call for positive or watertight joints. Maximum joint overlap is recommended where the plans call for standard joints, but in no case shall the joint overlap be less than 3/2".
- For pipe sections installed on curved alignment, the maximum angle of deflection from straight alignment at any joint shall not exceed two degrees. Where the plans call for watertightness, field testing for compliance is required. Where plans call for positive joints, the pipe sections shall be joined to achieve Table A Dimensions on one side of the joint. Joints classified as standard shall have no less than 3/2" joint overlap at any point on the periphery.
- Factory applied insertion line limit shall be placed on spigot.
- Liner insert to be used inside of existing pipe.

TABLE A

JOINT OVERLAP DIMENSIONS		
PIPE Dia (NOMINAL)	A	B
12"	5 3/4"	4 1/4"
15"	6 3/4"	5 5/8"
18"	6 3/4"	5 5/8"
21"	8 1/2"	5 5/8"
24"	8 1/2"	6 1/8"
30"	8 1/2"	7 1/8"
36"	8 1/2"	8 1/8"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**CORRUGATED POLYVINYL CHLORIDE PIPE
WITH SMOOTH INTERIOR
STANDARD AND POSITIVE JOINTS**

NO SCALE
NSP D97I DATED MARCH 7, 2008 SUPPLEMENTS THE STANDARD
PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP D97I

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	16	93

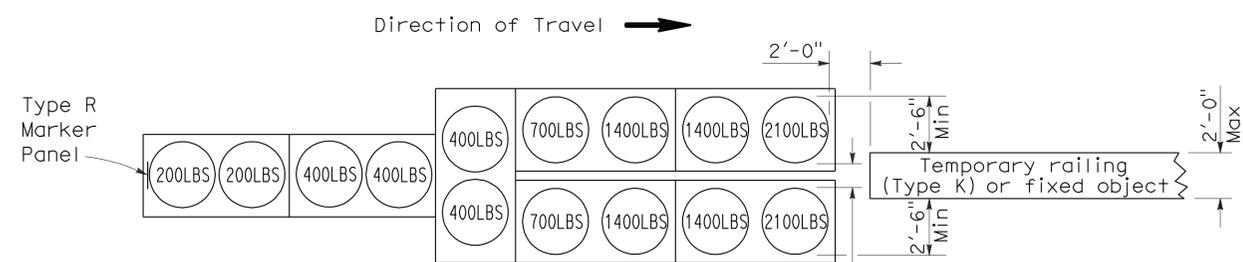
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

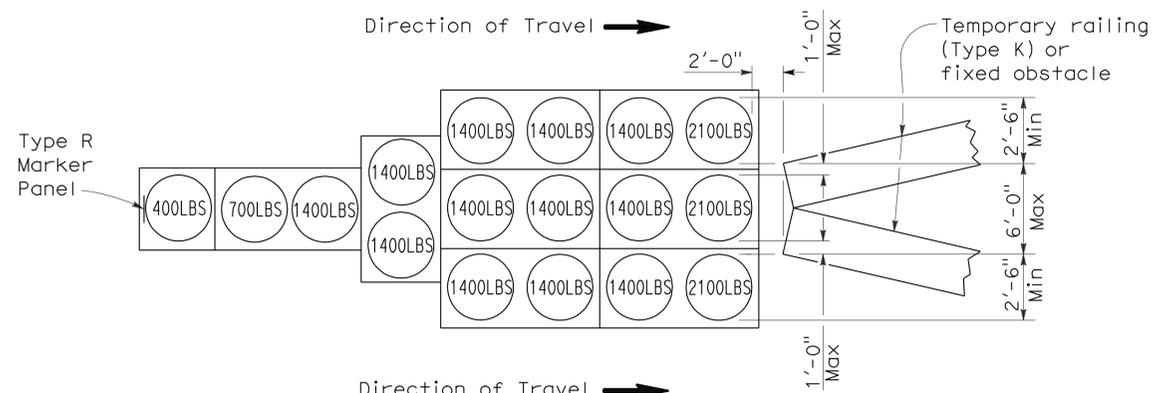
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 3-26-12



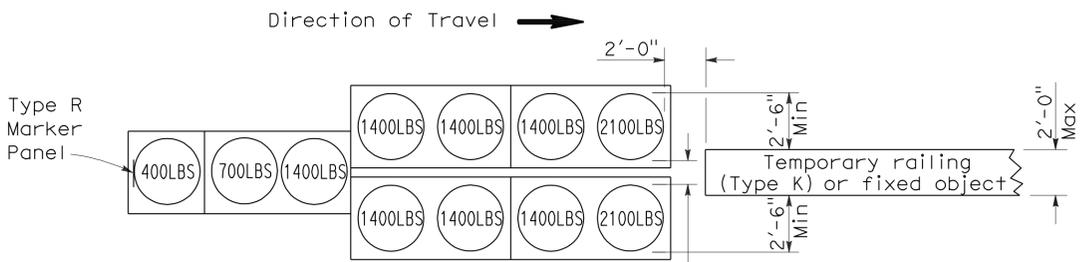
ARRAY 'TU14'

Approach speed 45 mph or more



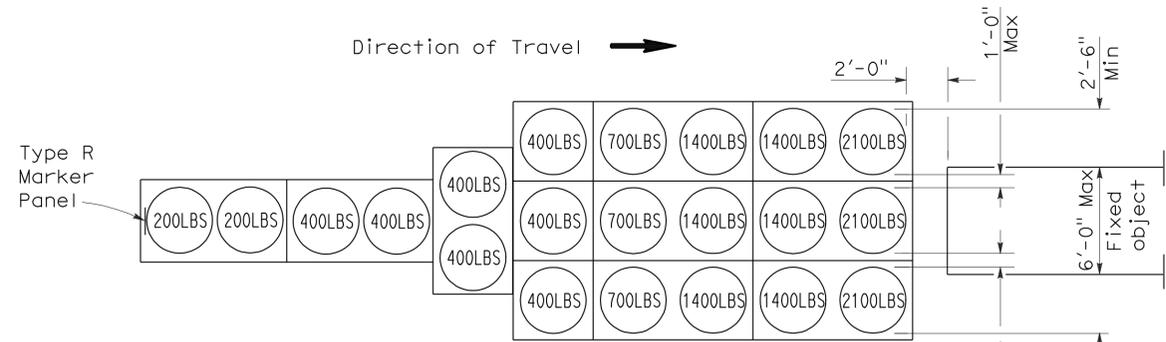
ARRAY 'TU17'

Approach speed less than 45 mph



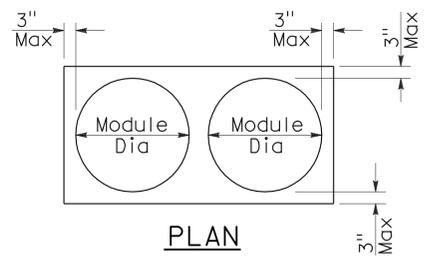
ARRAY 'TU11'

Approach speed less than 45 mph

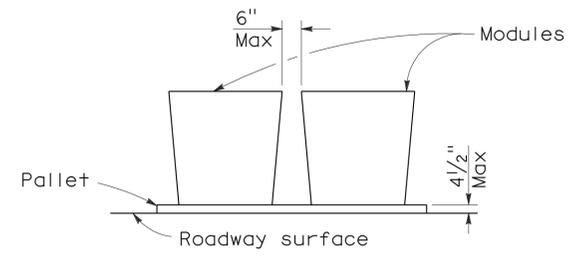


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

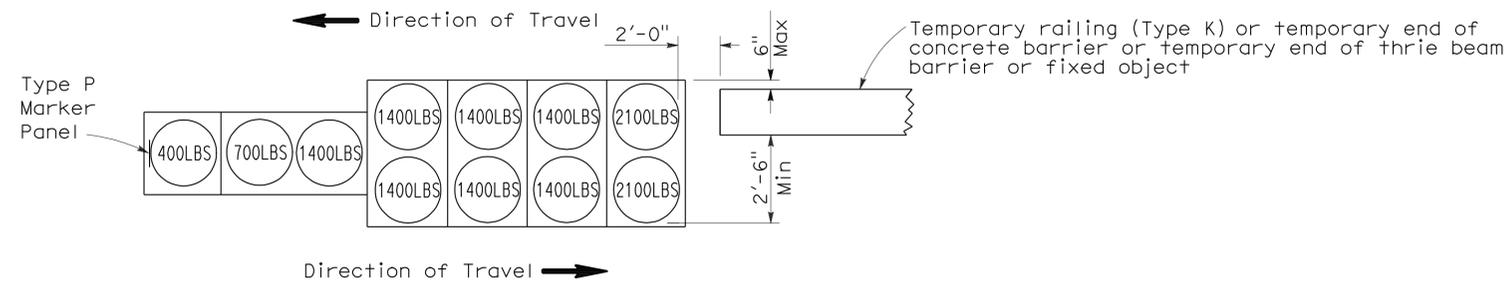
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	17	93

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

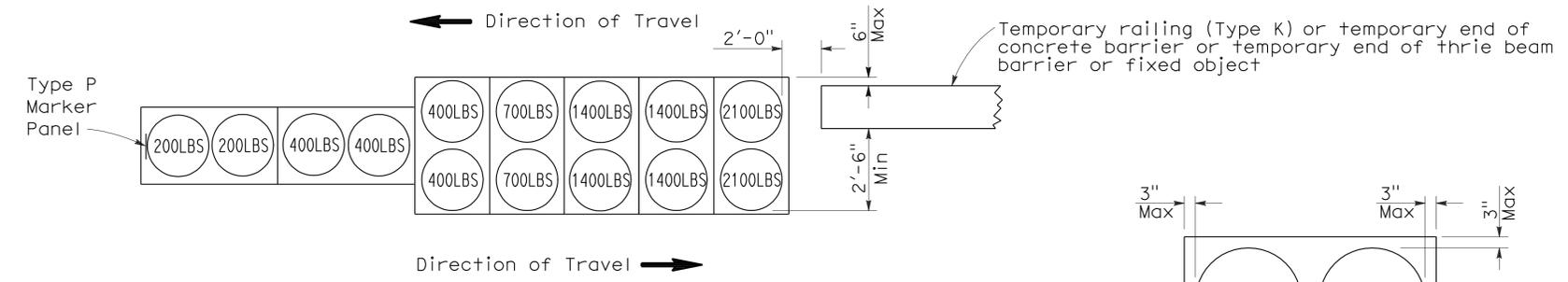
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 3-26-12



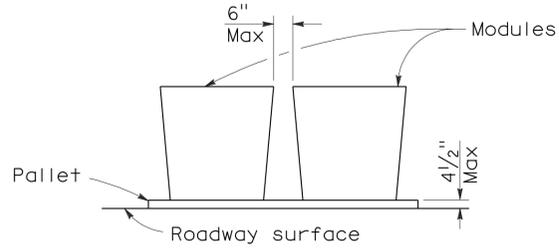
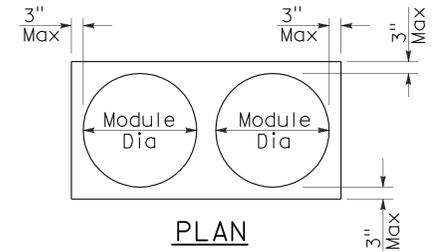
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**
NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	18	93

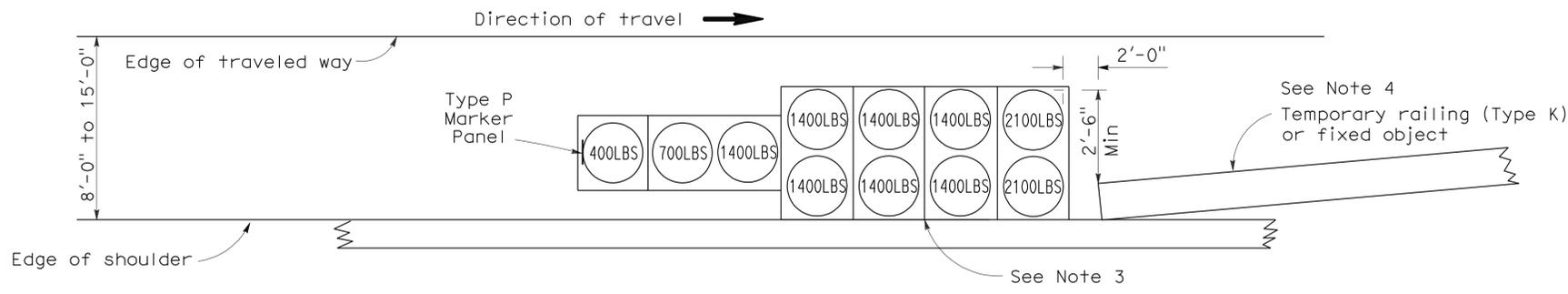
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

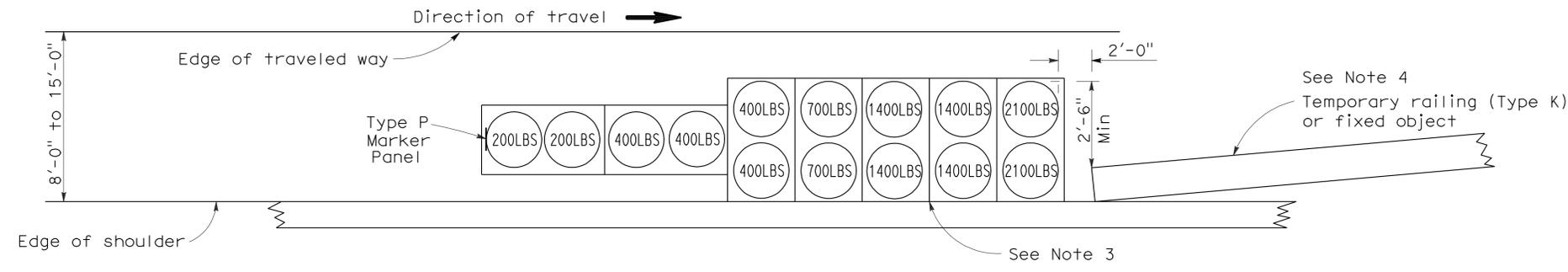
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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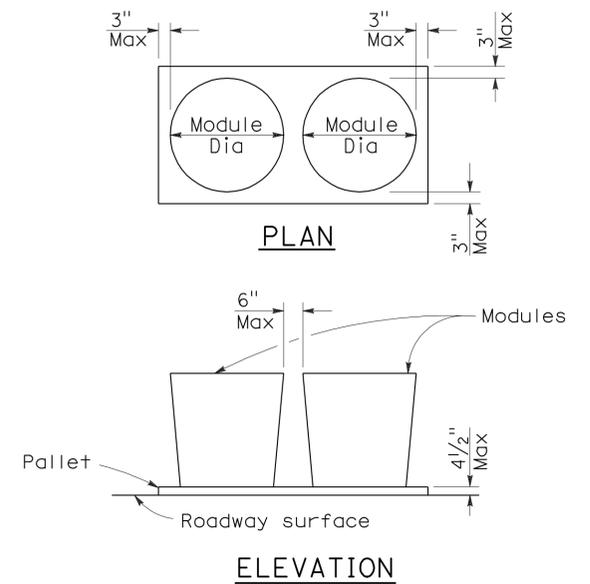
To accompany plans dated 3-26-12



ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	19	93

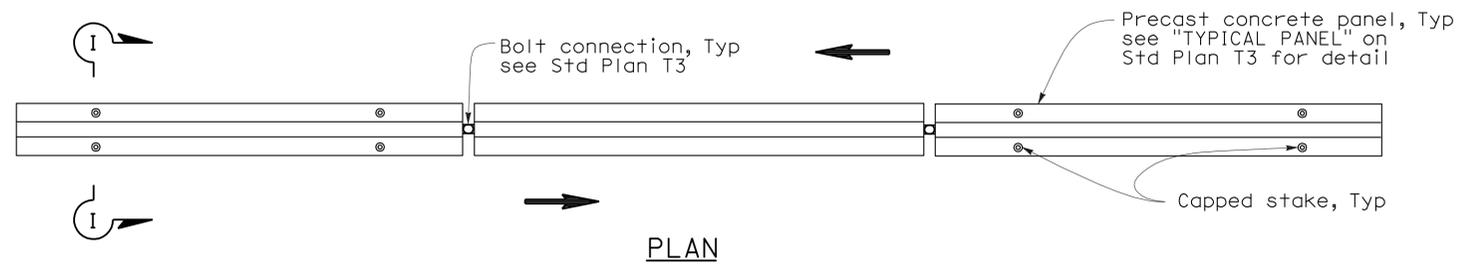
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

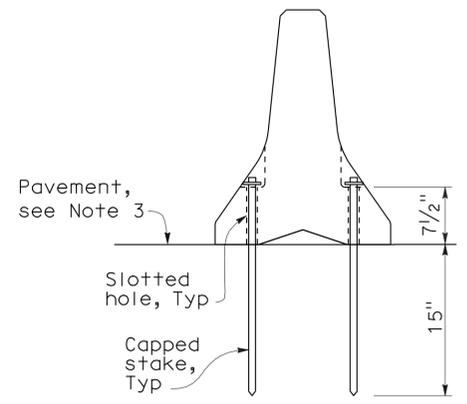
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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.

To accompany plans dated 3-26-12



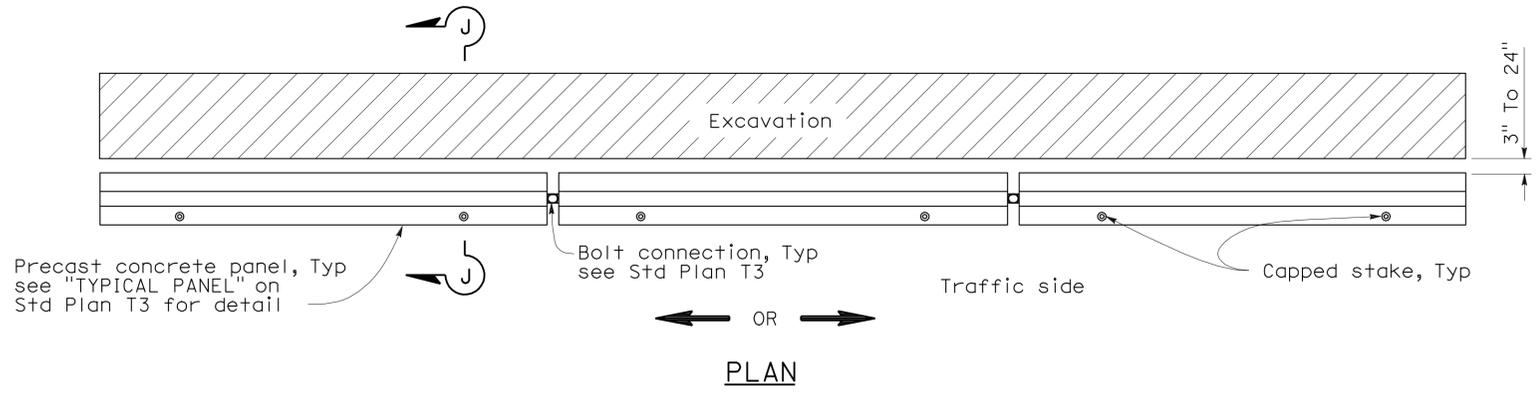
RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1



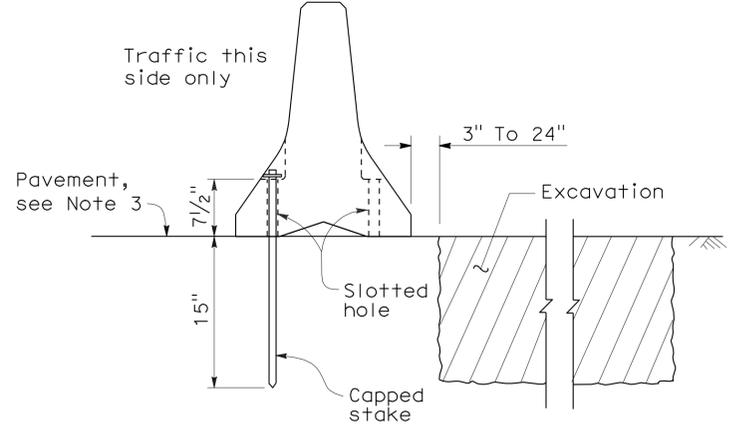
SECTION I-I

NOTES:

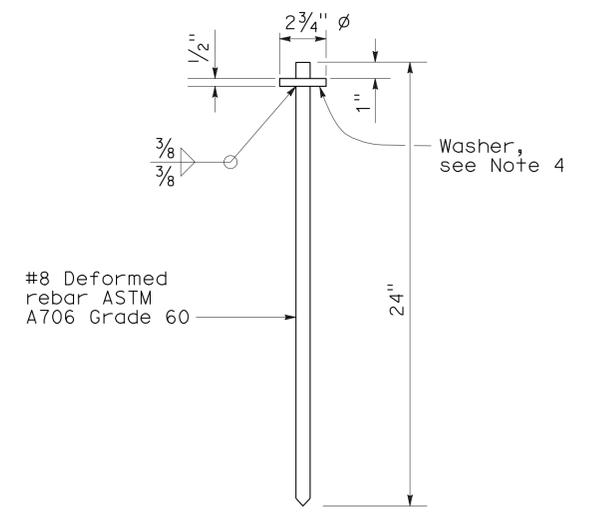
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



SECTION J-J



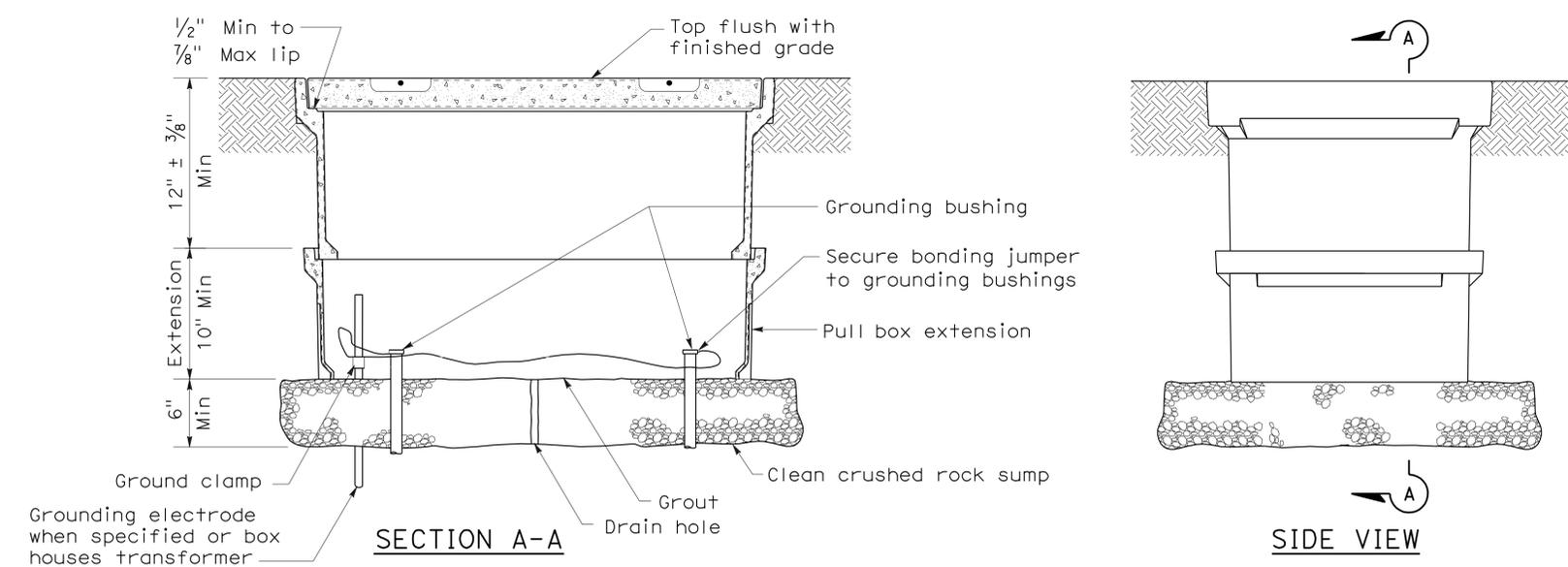
CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY RAILING
(TYPE K)**
NO SCALE

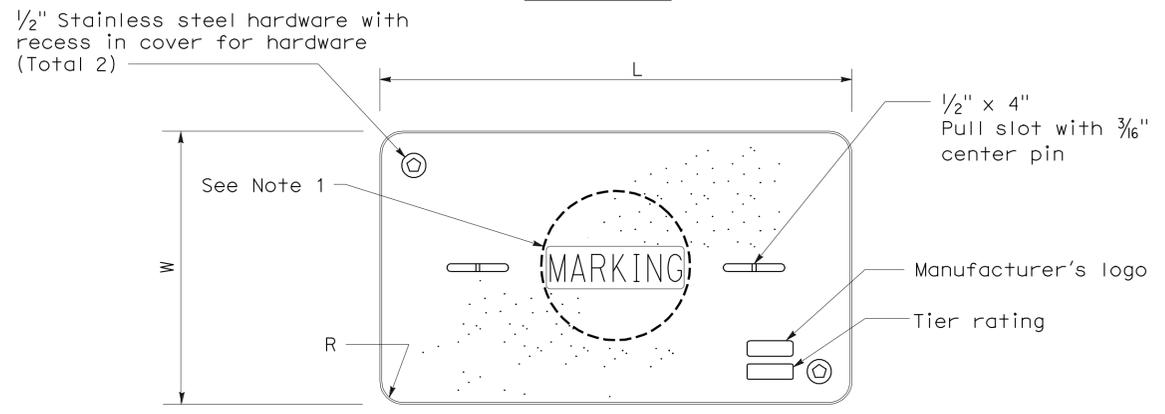
NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

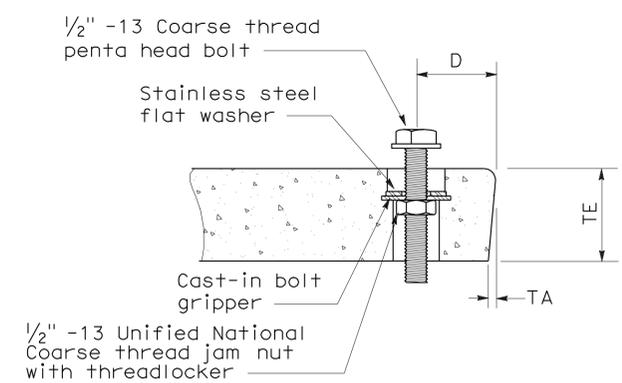
To accompany plans dated 3-26-12



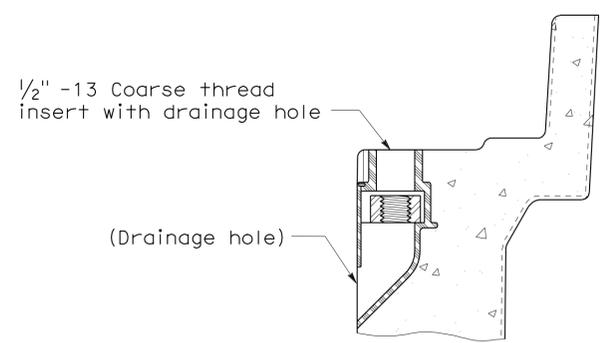
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
(Or similar)



TYPICAL THREADED INSERT
(Or similar)

NOTES ON PULL BOXES:

- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus 1/8" or greater.
- Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within 1/8". Top outside radius of covers and pull boxes must have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

DIMENSION TABLE

PULL BOX	PULL BOX			COVER						
	Minimum Depth Box	Minimum Depth Extension	Maximum Weight	L	W	R	TE	TA	D	Maximum Weight
No. 3/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(PULL BOX)
NO SCALE

NSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

INDEX OF SHEETS

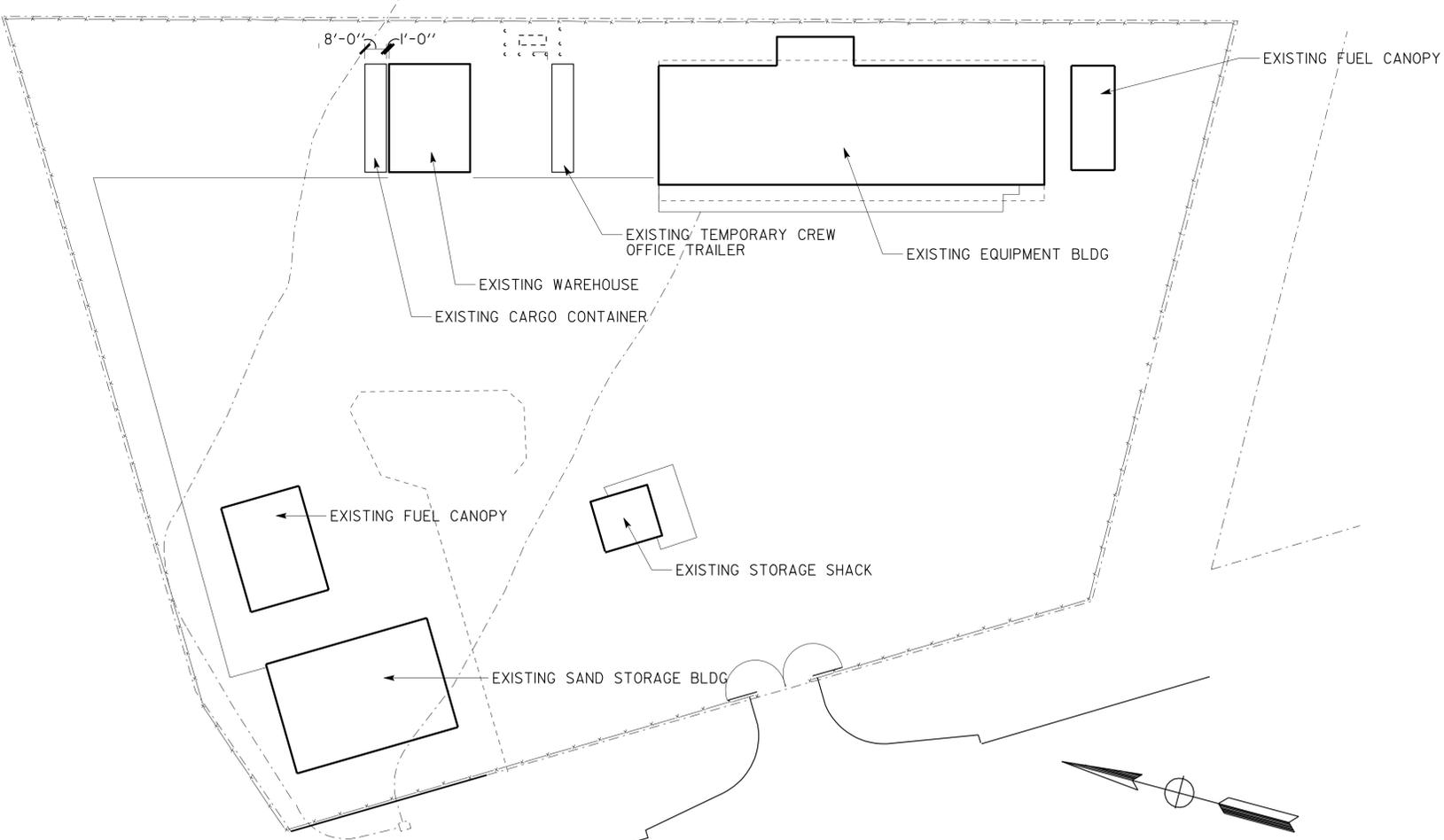
ARCHITECTURAL	STRUCTURAL	MECHANICAL	ELECTRICAL
GP-1 GENERAL PLAN- EXISTING SITE PLAN, SHEET INDEX AND GENERAL NOTES	ST-1 LEGEND	MO-0 ABBREVIATION AND LEGENDS	EE0-0 LEGEND
GP-2 GENERAL PLAN- SITE PLAN, ACCESSIBILITY NOTES AND BUILDING DATA	ST-2 CONCRETE STANDARD	MO-1 CERTIFICATE OF COMPLIANCE FORMS	EE0-1 SITE PLAN
AO-1 ABBREVIATIONS AND SYMBOLS	ST-3A COLD FORM STEEL DETAILS	MI-0 SITE PLAN	EE0-2 OUTDOOR LIGHTING COMPLIANCE FORM 1
AO-3.1 ACCESSIBILITY STANDARD DETAILS	ST-3B COLD FORM STEEL WALL AND CEILING FRAMING	MI-1 PLUMBING PLAN I	EE0-3 OUTDOOR LIGHTING COMPLIANCE FORM 2
AO-3.2 NOT USED	ST-3C COLD FORM STEEL STUD WALL DETAILS	MI-2 PLUMBING PLAN II	EE0-4 INDOOR LIGHTING COMPLIANCE FORM 1
AO-3.3 ACCESSIBILITY STANDARD DETAILS	ST-3D COLD FORM STEEL STUD WALL DETAILS	MI-3 PLUMBING PLAN III	EE0-5 INDOOR LIGHTING COMPLIANCE FORM 2
AO-3.4 ACCESSIBILITY STANDARD DETAILS	ST-3E COLD FORM STEEL HOLDOWN DETAILS	MI-4 HVAC PLAN	EEI-1 POWER PLAN 1
AO-3.5 ACCESSIBILITY STANDARD DETAILS	STI-0 DESIGN CRITERIA AND DETAIL NOTES	MI-5 AIR AND WATER ISOMETRIC	EEI-2 POWER PLAN 2
AI-1 FLOOR PLAN, ROOF PLAN	STI-1 FOUNDATION PLAN	MI-6 SANITARY SEWER ISOMETRIC	EEI-3 LIGHTING PLAN
AI-2 EXTERIOR ELEVATIONS	STI-2 ROOF FRAMING PLAN	MI-7 JIB CRANE PLAN	EEI-4 COMMUNICATION PLAN
AI-3 SECTIONS AND SCHEDULES	STI-3 BUILDING SECTION	MI-8 JIB CRANE DETAILS	EEI-5 SCHEMATIC AND WIRING DIAGRAMS
AI-4 INTERIOR ELEVATIONS, DOORS AND WINDOWS	STI-4 BUILDING SECTION	M2-0 MECHANICAL DETAILS I	EEI-6 SCHEMATIC DIAGRAMS
A2-1 DETAILS	STI-5 BUILDING SECTIONS	M2-1 MECHANICAL DETAILS II	EEI-7 PANELS AND LIGHT FIXTURE SCHEDULES
A2-2 DETAILS	STI-6 FOUNDATION DETAILS	M2-2 MECHANICAL DETAILS III	EEI-8 DETAILS
A2-3 DETAILS	STI-7 FOUNDATION DETAILS	M2-3 MECHANICAL DETAILS IV	
	STI-8 FOUNDATION DETAILS	M2-4 MECHANICAL DETAILS V	
	STI-9 EVAPORATIVE COOLER PLATFORM PLANS	M2-5 MECHANICAL DETAILS VI	
	STI-10 EVAPORATIVE COOLER PLATFORM ELEVATIONS	M2-6 EQUIPMENT SCHEDULE	
	STI-11 EVAPORATIVE COOLER PLATFORM DETAILS		
	STI-12 EXHAUST EVACUATION SUPPORT DETAILS		
	STI-13 LUBE REEL SUPPORT DETAILS		
	STI-14 NOT USED		
	STI-15 JIB CRANE FOOTING/SLAB DETAILS No. 1		
	STI-16 JIB CRANE FOOTING/SLAB DETAILS No. 2		
	STI-17 LPG TANK FOUNDATION PLAN AND DETAILS		
	STI-18 LOG OF TEST BORINGS 1 OF 3		
	STI-19 LOG OF TEST BORINGS 2 OF 3		
	STI-20 LOG OF TEST BORINGS 3 OF 3		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	21	93


 LICENSED ARCHITECT DATE 12/06/11


3-26-12
 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.

ACCESSIBILITY DESIGN APPROVAL STAMP	CALIFORNIA STATE FIRE MARSHAL APPROVED
DOT / DES / OTA PROJECT ID 0900020099 Reviewed by:  Date: 12-02-11	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:  FRANCIS SOLICH Approval date: 10-12-11



1 EXISTING SITE
SCALE 1" = 30'-0"

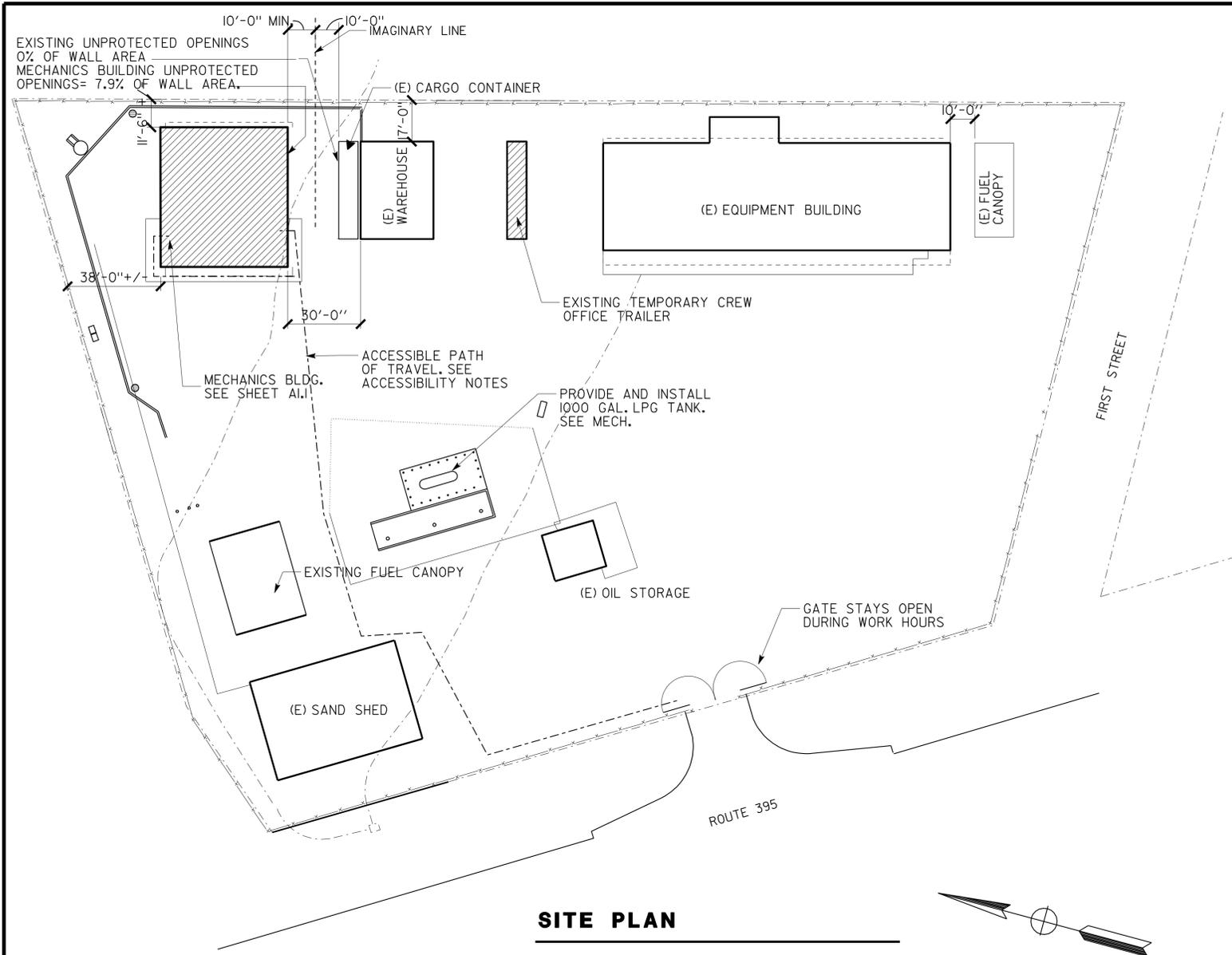
- LIST OF 2010 CALIFORNIA CODE OF REGULATION (CCR)**
- 2010 BUILDING STANDARD ADMINISTRATIVE CODE : PART 1, TITLE 24 CCR
 - 2010 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
 - 2010 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
 - 2010 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
 - 2010 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
 - 2010 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR
 - 2010 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR
 - TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 - 1991 AMERICANS WITH DISABILITIES ACT
 - 2010 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, CCR
 - 2010 CALIFORNIA GREEN BUILDING CODE
 - 2008 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS (T-24)

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS AND CONDITIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL MEASUREMENTS OR CONDITIONS.

 DESIGN SUPERVISOR  DESIGN ARCHITECT	DESIGNER LANI RHOADES DRAWN BY LANI RHOADES	CHECKED BY  STRUCTURAL REVIEW	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL W-I WATER SUPPLY SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE	LEE VINING MAINTENANCE STATION MECHANICS FACILITY GENERAL PLAN EXISTING SITE PLAN, SHEET INDEX AND GENERAL NOTES	SHEET OF GP-1 X X
a_gp_1.dgn TAEMWW Imper1al Rev. 7/10 26-MAR-2012 09:20		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3582 09000200991 EA 000000		DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) -07 XX-XX-XX		SHEET OF X X a_gp_1.dgn

26-MAR-2012 09:20



SITE PLAN

SCALE 1" = 40'-0"

BUILDING INFORMATION	
<p>PROPOSED MECHANICS BLDG</p> <p>NUMBER OF STORIES: 1 OCCUPANT LOAD: 28 BUILDING HEIGHT: 23'-6" +/- TOP OF ROOF FIRE SPRINKLER SYSTEM: NO FIRE ALARM SYSTEM: NO OTHER FIRE PROTECTION: NONE SMOKE CONTROL SYSTEM: NONE ALLOWABLE HEIGHT: 40'-0"</p>	<p>(E) WAREHOUSE</p> <p>NUMBER OF STORIES: 1 OCCUPANT LOAD: 4 BUILDING HEIGHT: 17'-0" +/- TOP OF RIDGE FIRE SPRINKLER SYSTEM: NO FIRE ALARM SYSTEM: NO OTHER FIRE PROTECTION: NONE SMOKE CONTROL SYSTEM: NONE ALLOWABLE HEIGHT: 40'-0"</p>

BUILDING DATA					
THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE 2010 TITLE 24 CALIFORNIA BUILDING STANDARDS CODE.					
BUILDING NAME	BUILDING AREA	ALLOWABLE AREA	ALLOWABLE AREA SPRINKLERED	CONSTRUCTION TYPE	OCCUPANCY GROUP
(E) WAREHOUSE	1200 SQ FT	9000 SQ FT (PER CBC SECT 503.1.2 TABLE 503) (AREA COMPLIES)	N/A	V-B	S-1
MECHANICS BUILDING	2750 SQ FT	9000 SQ FT (PER CBC SECT 503.1.2 TABLE 503) (AREA COMPLIES)	N/A	V-B	S-1

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	22	93

Lani Rhoades
 LICENSED ARCHITECT
 12/06/11
 DATE
 No. C 26695
 Exp. 10/31/13
 STATE OF CALIFORNIA

3-26-12
 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.

DOT / DES / OTA

PROJECT ID
0900020099

Date: 12-02-11

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: FRANCIS SOLICH
 Approval date: 10-12-11

ACCESSIBILITY NOTES

1. ANY POTS FROM THE NEW BLDG. TO (E) BLDGS./ FACILITIES NOT ALTERED UNDER THIS PROJECT ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
2. ANY POTS CONNECTING (E) BLDGS./ FACILITIES NOT ALTERED UNDER THIS PROJECT ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
3. THE EXISTING ENTRANCE GATE SHALL REMAIN OPEN DURING BUSINESS HOURS.
4. NO PARKING SPACE IS DESIGNATED AND IDENTIFIED ON THE SITE. ANY VEHICLES MAY PARK NEXT TO THE NEW CONCRETE APRON AND ACCESS THE NEW BLDG.
5. POT INDICATED AT SITE PLAN SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN SITE ENTRANCE GATE ON PROPERTY LINE AND THE EXTERIOR DOORS AT THE NEW BLDG. EXACT LOCATION OF POT SHALL BE DETERMINED BY THE FIELD ENGINEER. POT MAY BE STRIPED TO PROVIDE HIGH VISIBILITY AND SAFETY PROTECTION. THE CONTRACTOR SHALL VERIFY AND REMOVE ANY BARRIERS AT POT TO COMPLY WITH ALL THE ITEMS BELOW.
6. POT SURFACE SHALL BE FIRM, STABLE, SLIP-RESISTANT, W/O LOOSE GRAVELS, SAND, CHIPS, ETC.
7. IF ANY GRATINGS ARE LOCATED IN THE POT, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH IN THE DIRECTION OF TRAFFIC FLOW.
8. ANY PLANTER/GRATE/COVER IN OR ADJACENT TO POTS SHALL REQUIRE EDGE PROTECTION OF MIN. 6 INCHES HIGH CURB OR CODE-COMPLIANT GUARD OR HANDRAIL IF LEVEL CHANGE BETWEEN POT AND PLANTER/GRATE/COVER EXCEEDS 4 INCHES.
9. IF ANY EXTERIOR POTS ARE LESS THAN 60 INCHES WIDE, THEN PASSING SPACE AT LEAST 60 INCHES X 60 INCHES SHALL BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200 FEET.
10. EXTERIOR POTS SHALL BE MIN. 48 INCHES WIDE. ALL POTS SHALL HAVE MIN. 80 INCHES HEAD CLEARANCE, MAX. 5% SLOPE IN THE DIRECTION OF TRAVEL, MAX. 2% CROSS SLOPE, MAX. 1/2 INCH LEVEL CHANGE W/MAX. 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. ANY LEVEL CHANGE EXCEEDS 1/2 INCH OR ANY SLOPE IN THE DIRECTION OF TRAVEL EXCEEDS 5% SHALL BE ACCOMMODATED BY CODE-COMPLIANT CURB RAMP OR RAMP.
11. ALL DOORS SHALL HAVE CLEAR LEVEL AREAS ON BOTH SIDES OF DOORS W/MAX. 2% SLOPE IN ANY DIRECTION. CLEAR LEVEL AREA AT EXTERIOR DOOR FRONT APPROACH IN THE DIRECTION OF DOOR SWING SHALL BE MIN. 60 INCHES X 60 INCHES, INCLUDING MIN. 24 INCHES PASS DOOR STRIKE EDGE; AND MIN. 48 INCHES DEEP X 36 INCHES WIDE OPPOSITE DOOR SWING, PLUS MIN. 12 INCHES PASS DOOR STRIKE EDGE IF DOOR HAS BOTH LATCH AND CLOSER.
12. CLEAR LEVEL AREA AT INTERIOR DOOR FRONT APPROACH IN THE DIRECTION OF DOOR SWING SHALL BE MIN. 60 INCHES DEEP X 54 INCHES WIDE, INCLUDING MIN. 18 INCHES PASS DOOR STRIKE EDGE; AND MIN. 48 INCHES DEEP X 36 INCHES WIDE OPPOSITE DOOR SWING, PLUS MIN. 12 INCHES PASS DOOR STRIKE EDGE IF DOOR HAS BOTH LATCH AND CLOSER.
13. LEVEL CHANGE AT THE DOORWAY, INCLUDING THRESHOLD THICKNESS, SHALL BE MAX. 1/2 INCH W/MAX. 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4 INCH MAY BE VERTICAL.
14. AISLES FORMED BY EQUIPMENT/ STORED MATERIALS/ WALLS AT ANY ROOMS SHALL BE MIN. 36 INCHES WIDE IF SERVING ONE SIDE, AND MIN. 44 INCHES WIDE IF SERVING BOTH SIDES.
15. SWITCHES, OUTLETS AND OTHER CONTROL OR OPERATING MECHANISM SHALL BE LOCATED AT MAX. 48" TO TOP OF CONTROL BOX OR HOUSING, AND MIN. 15" TO BOTTOM OF CONTROL BOX OR HOUSING.

RE Travis DESIGN SUPERVISOR DESIGN ARCHITECT	DESIGNER LANI RHOADES DRAWN BY LANI RHOADES	CHECKED BY STRUCTURAL REVIEW	SHEET LEGEND A-1 ARCHITECTURAL M-1 MECHANICAL W-1 WATER SUPPLY ST-1 STRUCTURAL EE-1 ELECTRICAL SS-1 SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE	LEE VINING MAINTENANCE STATION MECHANICS FACILITY GENERAL PLAN SITE PLAN, ACCESSIBILITY NOTES AND BUILDING DATA	SHEET GP-2
a_gp_2.dgn TAEMWW Imper1al Rev. 7/10 23-MAR-2012 07:02		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3582 09000200991 EA 000000	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) - -07 XX-XX-XX		SHEET OF X X	

ARCHITECTURAL ABBREVIATIONS

&	AND	EQ	EQUAL	M	METER	S	SOUTH
L	ANGLE	EPB	ELECTRICAL PANELBOARD	MAT	MATERIAL	SC	SOLID CORE
⊕	CENTER LINE	EQUIP	EQUIPMENT	MAX	MAXIMUM	SCHED	SCHEDULE
∅	DIAMETER	ESCL	ESCALATOR	MB	MACHINE BOLT	SD	SOAP DISPENSER
□	OR ROUND	EWC	ELECTRIC WATER COOLER	MBR	MEMBER	SM	SQUARE METERS
□	SQUARE	EXP	EXPANSION	MECH	MECHANICAL	ST	SELF TAPPING
d	PENNY	EXPO	EXPOSED, EXPOSURE	MEMB	MEMBRANE	SF	SQUARE FEET
25°	DEGREE	EXT	EXTERIOR	MET	METAL	SH	SELF
AFF	ABOVE FINISH FLOOR	EVAC	EVACUATION	MFR	MANUFACTURER	SHWR	SHOWER
APL	ASSUMED PROPERTY LINE			MH	MAN HOLE	SHT	SHEET
A/C	AIR CONDITIONING	FD	FLOOR DRAIN	MIN	MINIMUM	SHTG	SHEATHING
AC	ASPHALT CONCRETE	FDN	FOUNDATION	MIR	MIRROR	SIM	SIMILAR
AB	ANCHOR BOLT	FE	FIRE EXTINGUISHER	MISC	MISCELLANEOUS	SMS	SHEET METAL SCREW
ABV	ABOVE	FEC	FIRE EXTINGUISHER CABINET	MIW	MALLEABLE IRON WASHER	SOHD	SECTIONAL OVERHEAD DOOR
ACOUS	ACOUSTICAL			MM	MILLIMETER	SNR	SANITARY NAPKIN RECEPTACLE SPECIFICATION
ADJ	ADJUSTABLE	FG	FINISH GRADE	MO	MASONRY OPENING	SPEC	
ALT	ALTERNATE	FH	FIRE HYDRANT	MTD	MOUNTED	SPS	STRUCTURAL PLYWOOD SHEATHING
ALUM	ALUMINUM	FHC	FIRE HOSE CABINET			SQ	SQUARE
APA	AMERICAN PLYWOOD ASSOCIATION	FHMS	FLATHEAD METAL SCREW	MUL	MULLION	SRRA	SAFETY ROADSIDE REST AREA
APPROX	APPROXIMATE	FJ	FINISH	N	NORTH	SS	SERVICE SINK
ARCH	ARCHITECTURAL, ARCHITECT	FJ	FLOOR JOIST			SST	STAINLESS STEEL
ASPH	ASPHALT	FLASH	FLASHING	NIC	NOT IN CONTRACT	STA	STATION
		FLR	FLOOR	NO	NUMBER	STAG	STAGGER
BD	BOARD	FLUOR	FLUORESCENT	NOM	NOMINAL	STD	STANDARD
BIT	BITUMINOUS	FOC	FACE OF CONCRETE	NTS	NOT TO SCALE	STL	STEEL
BLDG	BUILDING	FOP	FACE OF PLYWOOD	OBSC	OBSCURE	STOR	STORAGE
BLK	BLOCK	FOM	FACE OF MASONRY	OC	ON CENTER	STRUC	STRUCTURAL
BLKG	BLOCKING	FOS	FACE OF STUD	OD	OUTSIDE DIAMETER	SUSP	SUSPENDED
BM	BEAM	FRP	FIBERGLASS REINFORCED POLYESTER	OH	OFFICE	SCW	SOLID CORE WOOD DOOR
BN	BOUNDARY NAILING	FT	FEET, FOOT	OH	OPPOSITE HAND	T	TREAD
BOT	BOTTOM	FTG	FOOTING	OD	OVERHEAD	T&G	TONGUE & GROOVE
BR	BRIDGE	FURR	FURRING	OH	OVERHEAD WOOD SCREW	TB	TOLL BOOTH
BTWN	BETWEEN	FWY	FREEWAY	OHWD	OVERHEAD WOOD SCREW	TEL	TELEPHONE
BUR	BUILT-UP-ROOFING			OHWS	OVERHEAD WOOD SCREW	TEMP	TEMPORARY
CJ	CONTROL JOINT	GA	GAUGE	OPNG	OPENING	TER	TERRAZZO
CL	CHAIN LINK	GAL	GALLON	OPP	OPPOSITE	THK	THICK
CAB	CABINET	GALV	GALVANIZED	OPT	OPTION, OPTIONAL	THLD	THRESHOLD
CCR	CALIFORNIA CODE OF REGULATIONS	GB	GRAB BAR	OSB	ORIENTED STRAND BOARD	TJ	TOOLED JOINT
		GI	GALVANIZED IRON GLASS			TKBD	TACKBOARD
CB	CATCH BASIN	GL	GLUE LAMINATED MEMBER	P	PITCH	TN	TOE NAIL
CEM	CEMENT	GLM	GLUE LAMINATED MEMBER	PB	POST BASE	TOP	TOP OF CURB OR CONCRETE
CER	CERAMIC	GLZ	GLAZING	PC	POST CAP	TOS	TOP OF PAVEMENT
CIP	CAST IN PLACE	GR	GRADE	PCC	PORTLAND CEMENT CONCRETE	TOT	TOE OF SLOPE
CKBD	CHALKBOARD	GSM	GALVANIZED SHEET METAL	PCD	PAPER CUP DISPENSER	TOT	TOTAL
CLG	CEILING	GYP	GYP SUM	POT	PATH OF TRAVEL	TOW	TOP OF WALL
CMU	CONCRETE MASONRY UNIT	GYP SHTG	GYP SUM SHEATHING	PT	POINT	TS	TUBULAR STEEL
CLO	CLOSET			PRTN	PARTITION	TSCD	TOILET SEAT COVER
CLR	CLEAR	HB	HOSE BIBB	PR	PAIR	DISPENSER	DISPENSER
COL	COLUMN	HC	HOLLOW CORE	PMF	PRESSED METAL FRAME	TTD	TOILET TISSUE DISPENSER
CPTD	COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE	HD	HEAD, HOLD DOWN	PLWD	PLYWOOD	TYP	TYPICAL
		HDR	HEADER	PLAS	PLASTER		
CONC	CONCRETE	HDRW	HARDWOOD	PLAM	PLASTIC LAMINATE	UNF	UNFINISHED
CONN	CONNECTION	HDWR	HARDWARE	PL	PLATE	UNON	UNLESS OTHERWISE NOTED
CONST	CONSTRUCTION	HEX	HEXAGONAL	PH	PHILLIPS HEAD	UR	URINAL
CONT	CONTINUOUS	POT	PATH OF TRAVEL	POT	PATH OF TRAVEL	VAR	VARIES
CORR	CORRIDOR	PSD	POWDER SOAP DISPENSER	PSD	POWDER SOAP DISPENSER	VCT	VINYL COMPOSITION TILE
CPT	CARPET	PVC	POLYVINYL CHLORIDE	PVC	POLYVINYL CHLORIDE	VERT	VERTICAL
CPT	CARPET	PWB	PREFABRICATED WOOD I BEAM	PWB	PREFABRICATED WOOD I BEAM	VEST	VESTIBULE
CT	CERAMIC TILE	PREFAB	PREFABRICATED			VR	VENT RISER
CTR	CENTER	QT	QUARRY TILE			VTR	VENT THROUGH ROOF
CTSK	COUNTERSUNK	(R)	RELOCATED			V.B.	VENETIAN BLIND
CY	CUBIC YARD	R	RADIUS			W	WEST
		R/W	RIGHT OF WAY			W/	WITH
DA	DESIGNATED ACCESSIBILITY	RD	ROAD DRAIN			W/O	WITHOUT
DBL	DOUBLE	RDWD	REDWOOD			WB	WATER BOTTLE
DEPT	DEPARTMENT	REF	REFERENCE			WC	WATER CLOSET
DET	DETAIL	REFG	REFRIGERATOR			WD	WOOD
DF	DOUGLAS FIR	REINF	REINFORCED(ING)			WDW	WINDOW
DIA	DIAMETER	REQ	REQUIRED			WH	WATER HEATER
DIM	DIMENSION	RFG	ROOFING			WP	WORKING POINT
DN	DOWN	RFSWN	ROUGHSAWN			WR	WATER RESISTANT
DP	DEEP	RH	ROUND HEAD			WSCT	WAINSCOT
DR	DOOR	RHWS	ROUND HEAD WOOD SCREW			WT	WEIGHT
DS	DOWNSPOUT	RJ	ROOF JOIST			WTPR	WATERPROOFING
DI	DRAINAGE INLET	RM	ROOM			WWF	WELDED WIRE FABRIC
DWG	DRAWING	RO	ROUGH OPENING			WW	WINDOW WALL
DWR	DRAWER	RSWN	RESAWN			YD	YARD
(E)	EXISTING	RTE	ROUTE				
E	EAST	RWL	RAINWATER LEADER				
EA	EACH						
EHD	ELECTRIC HAND DRYER						
EIFS	EXTERIOR INSULATION FINISHING SYSTEM	LAB	LABORATORY				
		LAV	LAVATORY				
EJ	EXPANSION JOINT	LBF	POUND FORCE				
EL	ELEVATION (HEIGHT)	LBS	POUNDS				
ELECT	ELECTRICAL	LF	LINEAR FEET				
ELEV	ELEVATION (VIEW)	LKR	LOCKER				
ELVR	ELEVATOR	LPG	LIQUIFIED				
EMER	EMERGENCY	LS	LAG SCREW				
ENCL	ENCLOSURE						

SYMBOLS

	EARTH
	AC PAVING
	PARTITION
	CONCRETE
	CONCRETE MASONRY UNITS
	STEEL
	SAND/MORTAR/PLASTER
	BATT INSULATION
	RIGID INSULATION
	EXPANSION JOINT FILLER
	PLYWOOD
	GYP SUM BOARD
	CONTINUOUS WOOD FRAMING
	WOOD BLOCKING
	FINISH WOOD
	ROOM DESIGNATION
	DOOR DESIGNATION
	WINDOW DESIGNATION
	LOUVER DESIGNATION
	WORKING POINT
	ELEVATION IDENTIFICATION SHEET NUMBER
	SECTION LETTER SHEET NUMBER
	DETAIL NUMBER SHEET NUMBER
	SAME SHEET
	GRID LINE (LETTER IN ONE DIRECTION, NUMBERS IN OTHER DIRECTION)

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	23	93

LICENSED ARCHITECT
 DATE 12/06/11

3-26-12
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0900020099 Reviewed by: Date: 12-02-11	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: FRANCIS SOLICH Approval date: 10-12-11
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a0-1.dgn TAEMW Imper1al Rev. 7/10 23-MAR-2012 07:02	<table border="1"> <tr> <td>DESIGN</td><td>BY LANI RHOADES</td><td>CHECKED </td></tr> <tr> <td>DETAILS</td><td>BY LANI RHOADES</td><td>CHECKED </td></tr> <tr> <td>QUANTITIES</td><td>BY</td><td>CHECKED</td></tr> </table>	DESIGN	BY LANI RHOADES	CHECKED	DETAILS	BY LANI RHOADES	CHECKED	QUANTITIES	BY	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE	LEE VINING MAINTENANCE STATION MECHANICS FACILITY ABBREVIATIONS AND SYMBOLS	SHEET OF A0-1 X X
DESIGN	BY LANI RHOADES	CHECKED													
DETAILS	BY LANI RHOADES	CHECKED													
QUANTITIES	BY	CHECKED													
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3582 09000200991		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)									

23-MAR-2012 07:02

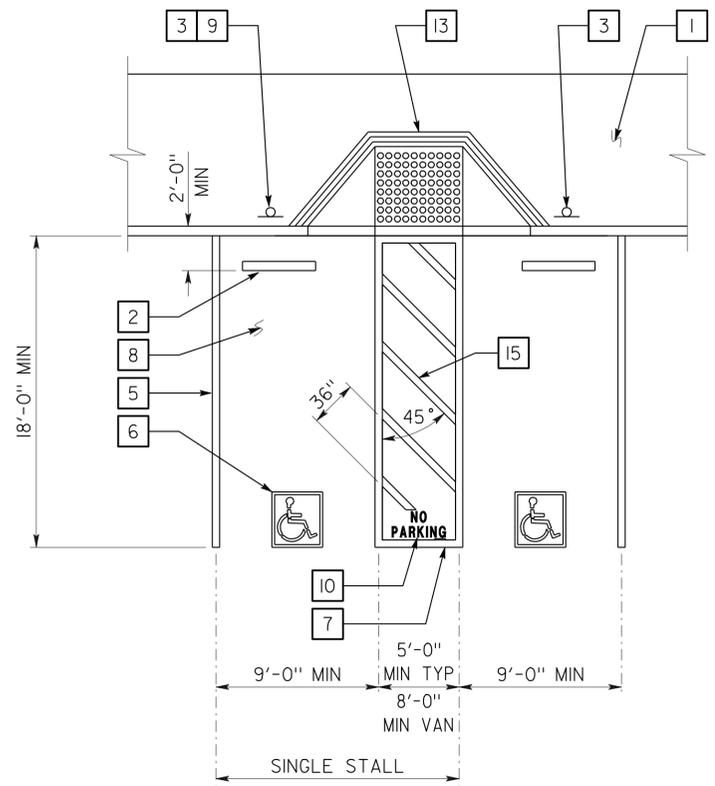
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	24	93

<i>Y.A. Wang</i> LICENSED ARCHITECT	07-20-11 DATE	
3-26-12 PLANS APPROVAL DATE		

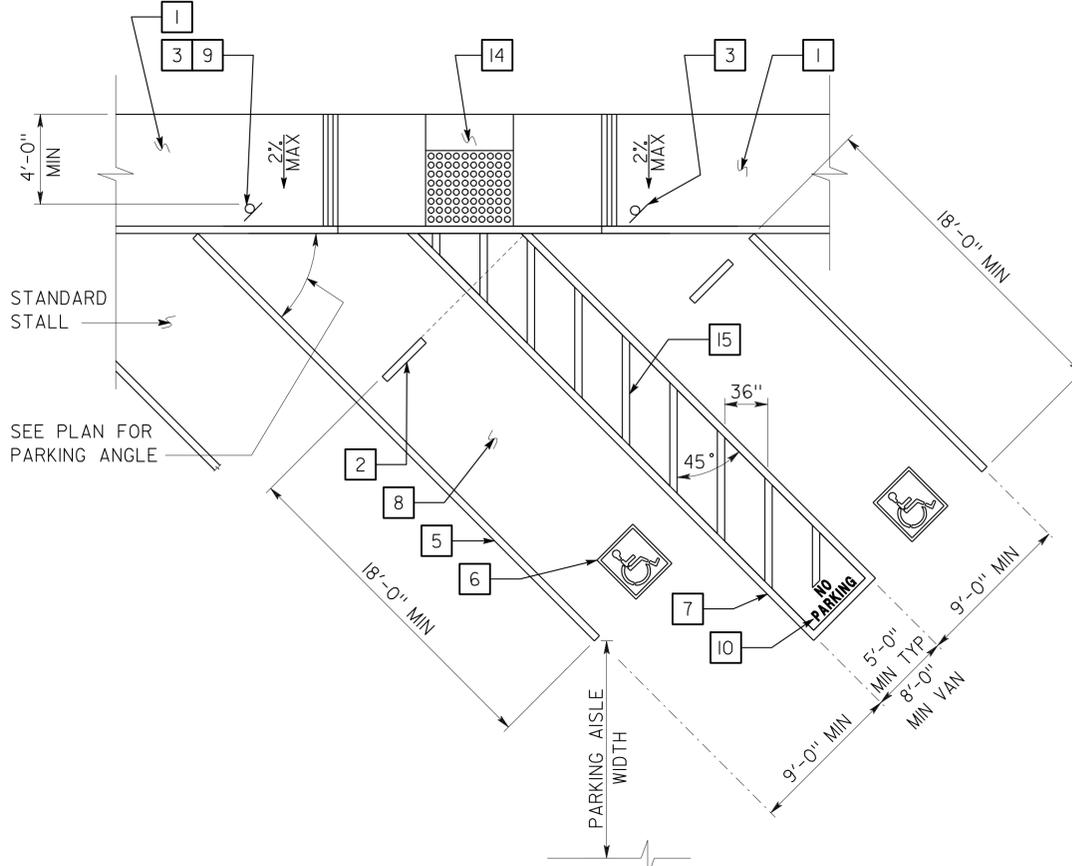
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KEYED NOTE LEGEND FOR DETAILS 1 & 2

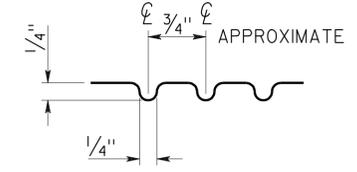
- CONCRETE WALKWAY (WHERE OCCURS) SEE PLANS FOR WIDTH, LAYOUT (MAY VARY), FINISH, JOINTS AND ELEVATIONS.
- PARKING BUMPER (AWAY FROM ACCESS AISLE). SEE SPECIFICATIONS.
- ACCESSIBLE PARKING SPACE SIGNAGE SEE DETAIL 1 ON SHEET AO-3.2.
- 1' WIDE GROOVED BORDER ON LEVEL SURFACE TYP AT RAMP PERIMETER. SEE DETAIL 3 ON THIS SHEET.
- 4" WIDE WHITE PARKING STALL DESIGNATION STRIPE. SEE SITE PLAN(S) FOR ADDITIONAL STALL STRIPING. SEE SPECIFICATIONS FOR PAINTING.
- ACCESSIBLE PARKING SURFACE IDENTIFICATION PAINTED ON PAVEMENT. SEE DETAIL 6 ON SHEET AO-3.2.
- 4" WIDE BLUE BORDER DESIGNATION NON-PARKING ACCESS AISLE TO CURB RAMP
- MAXIMUM SLOPE ON PARKING STALL PAVED AREA TO BE 2%.
- VAN ACCESSIBLE SIGNAGE. SEE DETAIL 2 ON SHEET AO-3.2. ACCESS AISLE SHALL BE ON PASSENGER SIDE ONLY.
- "NO PARKING" IN MIN 12" HIGH WHITE LETTERS TO BE PLACED WITHIN ACCESS AISLE TO CURB RAMP SEE DETAIL 7 ON SHEET AO-3.2.
- LEVEL LANDING - 2% MAX SLOPE W/ 36" DEEP DETECTABLE WARNINGS SURFACE ADJOINING ACCESS AISLE OR VEHICULAR WAY. SEE DETAIL 6 ON THIS SHEET
- DETECTABLE WARNING SURFACE TO EXTEND FULL WIDTH AND DEPTH OF CURB RAMP. SEE DETAIL 6 ON THIS SHEET. PROJECTS USING 2010 ADA STANDARDS MAY HAVE DETECTABLE WARNING SURFACE EXTENDING FULL WIDTH AND MIN. 36" DEEP FROM FRONT EDGE OF SIDEWALK.
- CURB RAMP. SEE DETAIL 4 ON THIS SHEET. ALSO SEE PLANS FOR WIDTH AND LAYOUT (MAY VARY).
- CURB RAMP. SEE DETAIL 5 ON THIS SHEET. ALSO SEE PLANS FOR WIDTH AND LAYOUT (MAY VARY).
- 4" WIDE WHITE HATCHED LINES TO CONTRAST WITH ASPHALT SURFACE. USE BLUE HATCHED LINES FOR LIGHT-COLOR CONCRETE SURFACE.



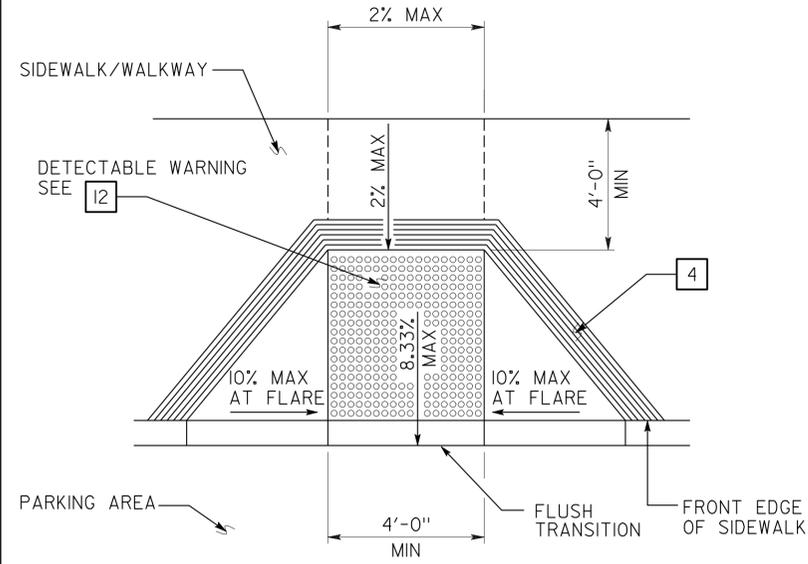
1 ACCESSIBLE PARKING STALL



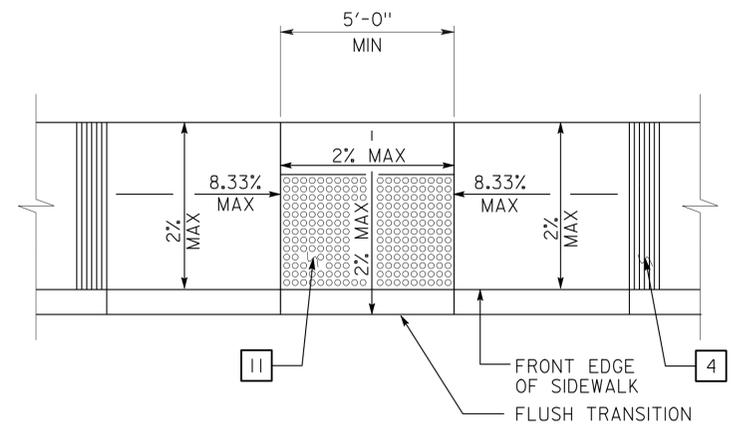
2 DIAGONAL ACCESSIBLE PARKING STALL
SEE PLAN FOR ANY VARIATION OF DIAGONAL PARKING



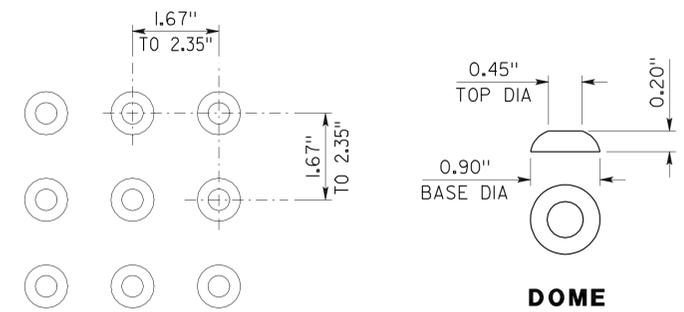
3 GROOVE DETAIL



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



6 DETECTABLE WARNING SURFACE - TRUNCATED DOMES
DOME DIMENSIONS ARE NOMINAL, WHICH MAY BE WITHIN ±0.05" FOR DOME SPACING, AND ±0.02" FOR DOME SIZE.

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING			
FILE NO. 07-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED <i>Y.A. Wang</i>
DRAWING DATE 07-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR
SUBMITTED BY Y.A. WANG			

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
0 1 2 3

DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE
UNIT 3582 PROJECT NUMBER & PHASE 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES

LEE VINING MAINTENANCE STATION MECHANICAL FACILITY		SHEET A0-3.1
ACCESSIBILITY	ACCESSIBILITY STANDARD DETAILS	
REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
- 07		

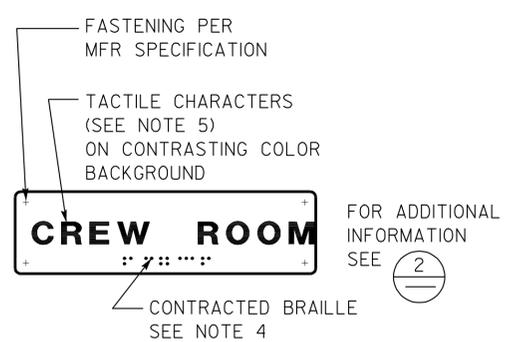
23-MAR-2012 07:03

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	25	93

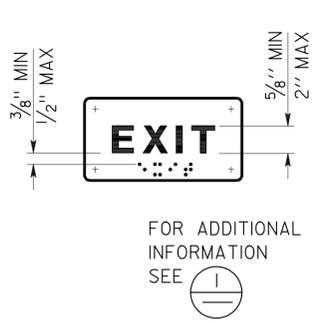
<i>Y.A. Wang</i>		07-20-11	
LICENSED ARCHITECT		DATE	

3-26-12
PLANS APPROVAL DATE

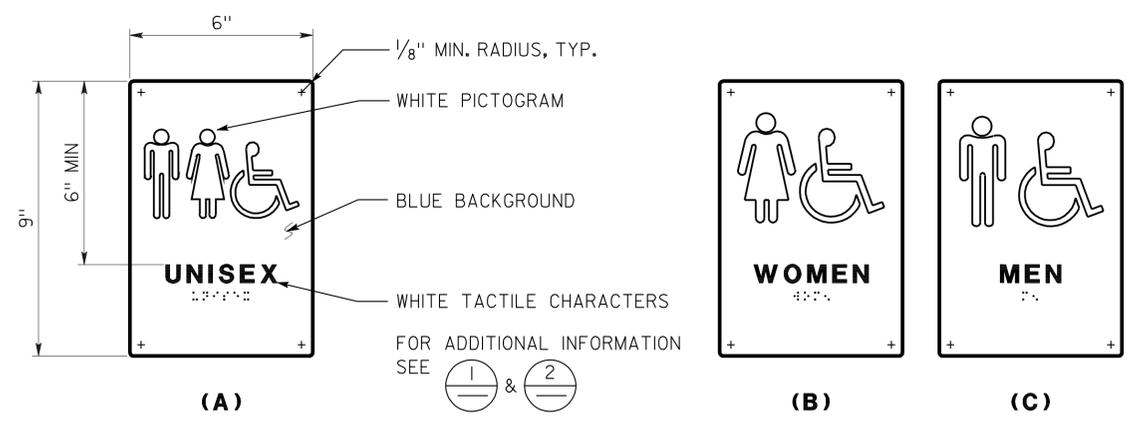
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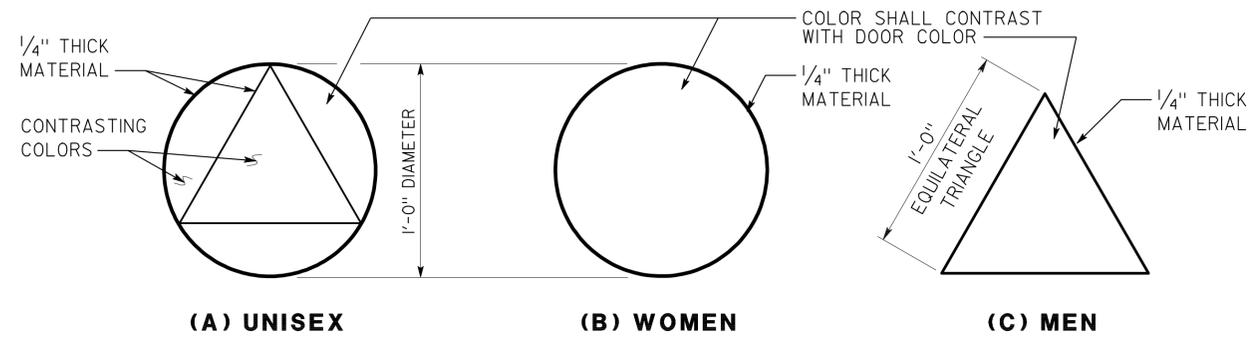
1 ROOM IDENTIFICATION SIGN
 INSTALL PER DETAIL 5
 TEXT VARIES
 SEE PLANS, EXT ELEVATIONS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



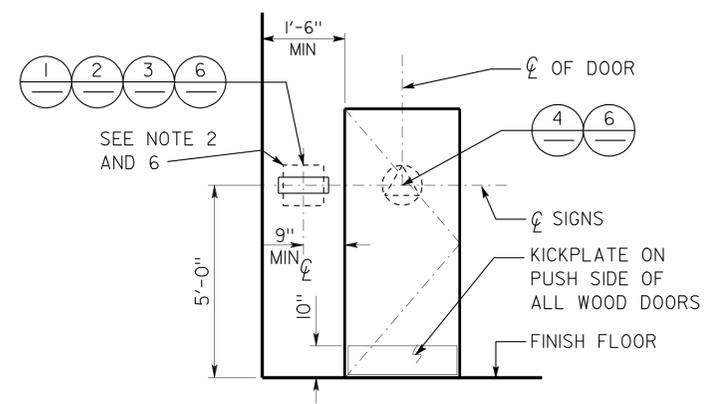
2 INTERIOR EXIT SIGN
 INSTALL PER DETAIL 5
 TEXT MAY VARY
 SEE PLANS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



3 RESTROOM SIGNS
 INSTALL PER DETAIL 5
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT

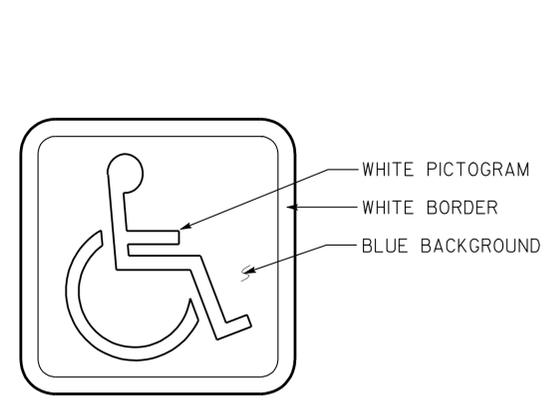


4 RESTROOM IDENTIFICATION SYMBOLS
 INSTALL PER DETAIL 5
 ANY PICTOGRAM AND TEXT ARE NOT REQUIRED

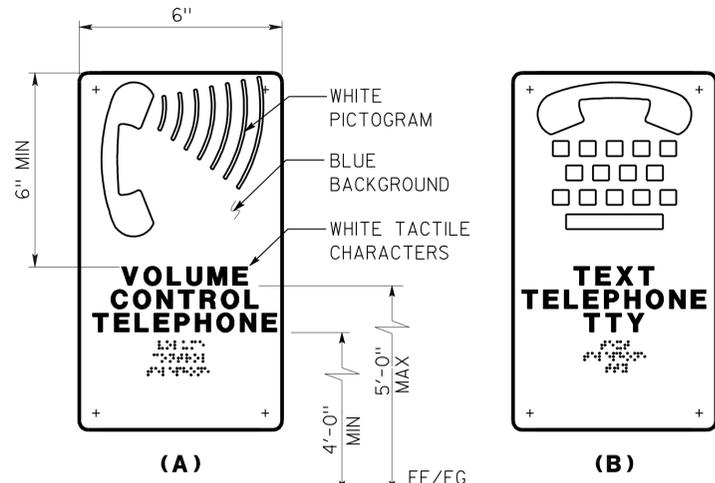


5 SIGN LOCATIONS
 REFER TO SIGNAGE NOTES FOR ADDITIONAL INFORMATION

- SIGNAGE NOTES:**
- LOCATE ROOM IDENTIFICATION SIGNS, EXIT SIGNS, AND RESTROOM SIGNS ON WALL ADJACENT TO DOOR ON LATCH SIDE. IF WALL SPACE IS NOT AVAILABLE ON LATCH SIDE, LOCATE ON NEAREST ADJACENT WALL. LOCATE SIGN TO THE RIGHT OF RIGHT HAND DOOR AT DOUBLE DOORS WITH TWO ACTIVE LEAFS.
 - REFER TO SPECIFICATIONS FOR SIGN MATERIAL AND OTHER COLOR SELECTION. EXCEPT DETAIL 6, SIGN COLORS MAY VARY FROM DETAILS.
 - SEE DOOR SCHEDULE FOR TEXT AND SIGN LOCATIONS, UON.
 - CONTRACTED BRAILLE: DOTS SHALL BE 1/10" OC IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. DOTS SHALL BE DOMED OR ROUNDED.
 - TACTILE CHARACTERS SHALL BE UPPERCASE SANS SERIF RAISED 1/32" MIN WITH A WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 AND 1:10.
 - PROVIDE 18"x18" MIN CLEAR FLOOR SPACE IN FRONT OF AND CENTERED ON THE SIGN.



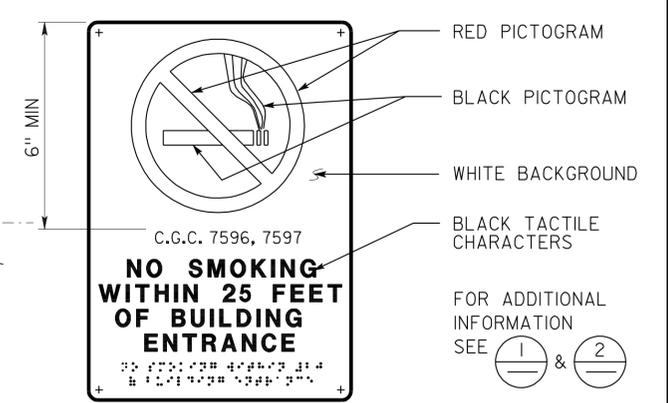
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
 INSTALL PER DETAIL 5
 SEE PLANS, ELEVATIONS, OR SCHEDULE FOR SIGN LOCATIONS.
 DECAL MAY BE USED.



7 TELEPHONE SIGNS
 TEXT MAY VARY
 SEE PLANS OR EXT ELEVATIONS FOR SIGN LOCATIONS AND MOUNTING HEIGHTS



8 RESTROOM ACCOMPANY SIGN
 SEE PLANS OR ELEVATIONS FOR LOCATIONS
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



9 NO SMOKING SIGN
 SEE PLANS OR EXTERIOR ELEVATIONS FOR LOCATIONS
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT

DETAILS
 NO SCALE UNLESS OTHERWISE NOTED

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

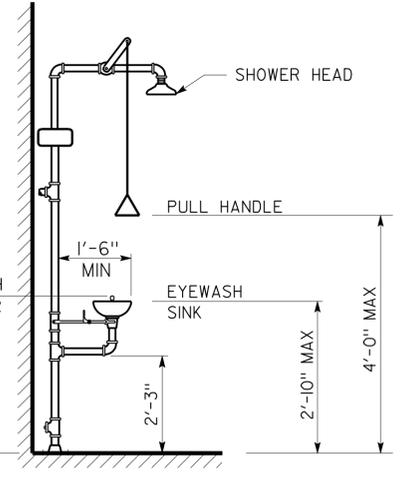
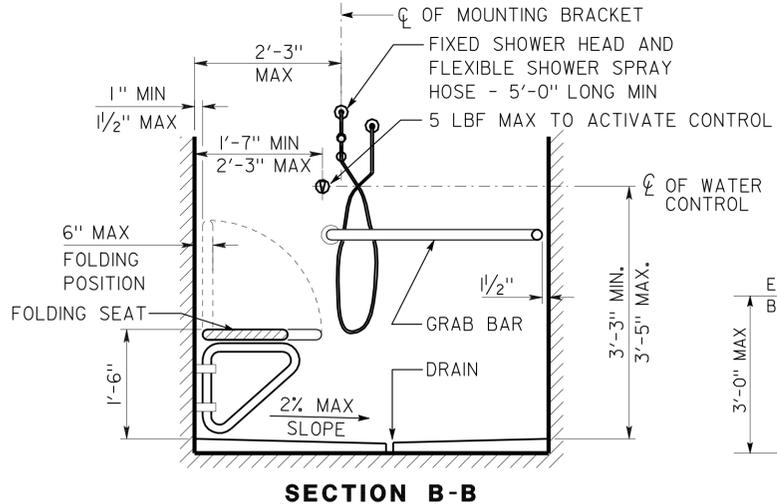
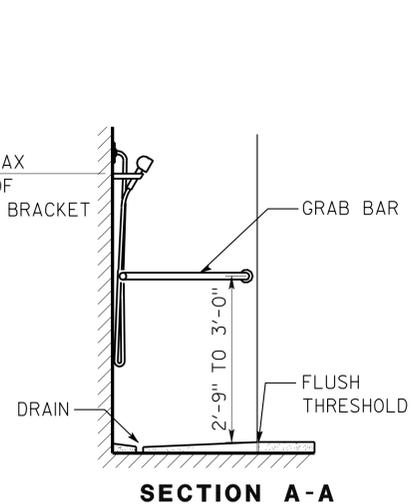
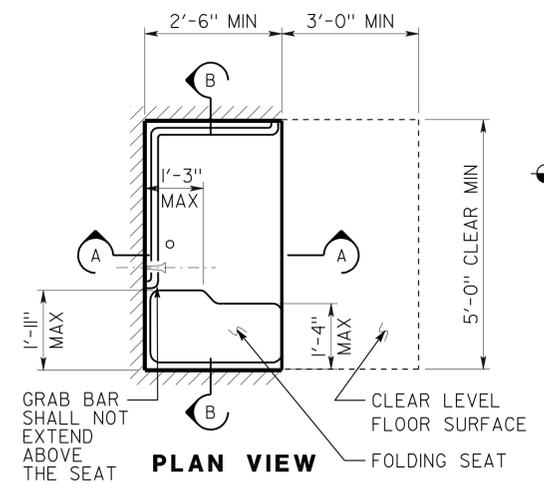
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 48M5710		LEE VINING MAINTENANCE STATION		SHEET A0-3.3	
FILE NO. 07-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED <i>Y.A. Wang</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
DATE 07-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3582 09000200991		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
TAEMWW Imper1al Rev. 7/10				23-MAR-2012 07:53				- 07				07:53	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	26	93

 LICENSED ARCHITECT		07-20-11 DATE
3-26-12 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>		

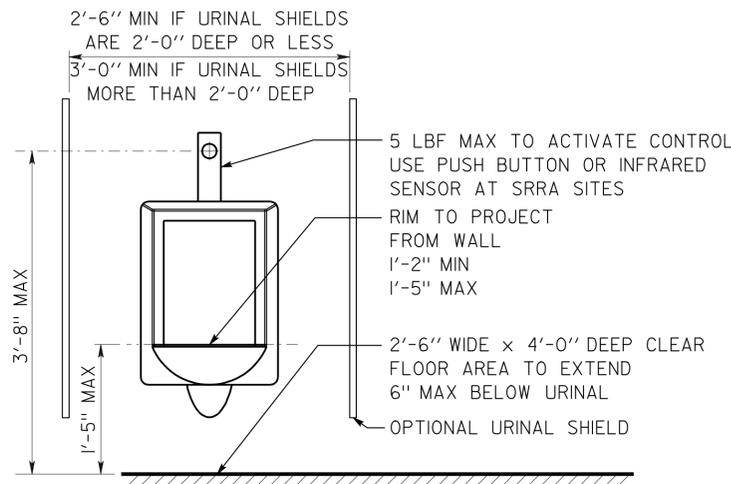
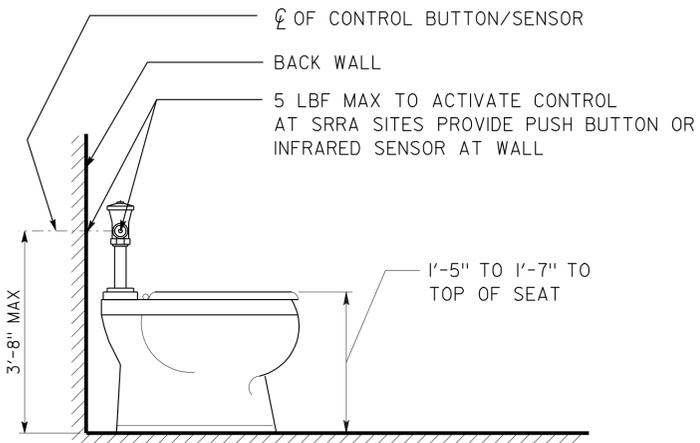


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0900020099	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Date: 12-02-11	Reviewed by:  FRANCIS SOLICH Approval date: 10-12-11



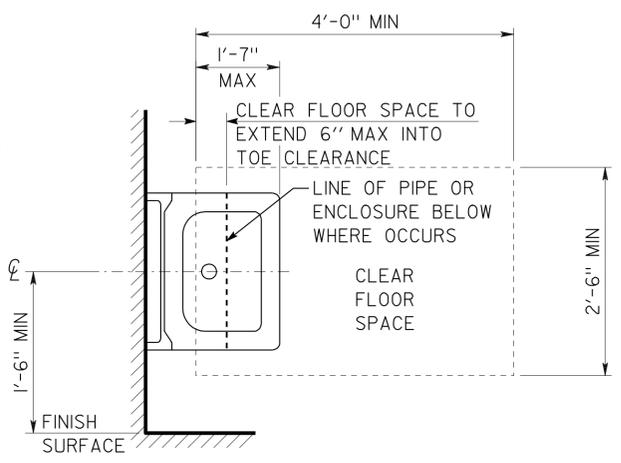
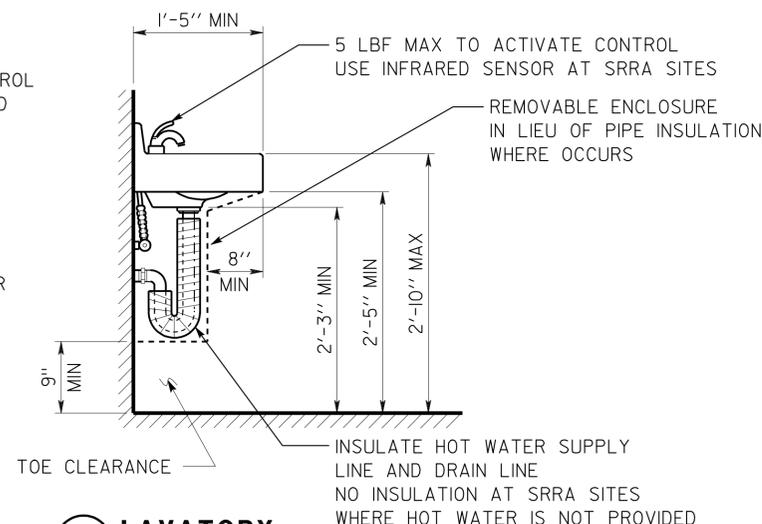
1 SHOWER STALL
OMIT AT SRRA SITES

2 EMERGENCY EYEWASH/SHOWER
NO SCALE

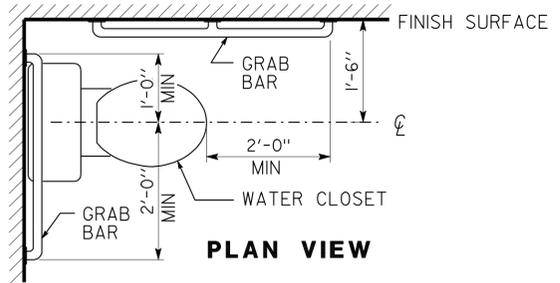
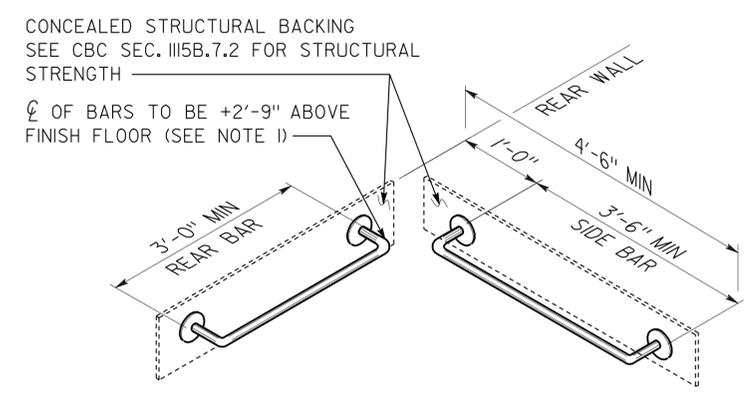


3 WATER CLOSET
SEE SPEC FOR FIXTURE TYPE

4 URINAL

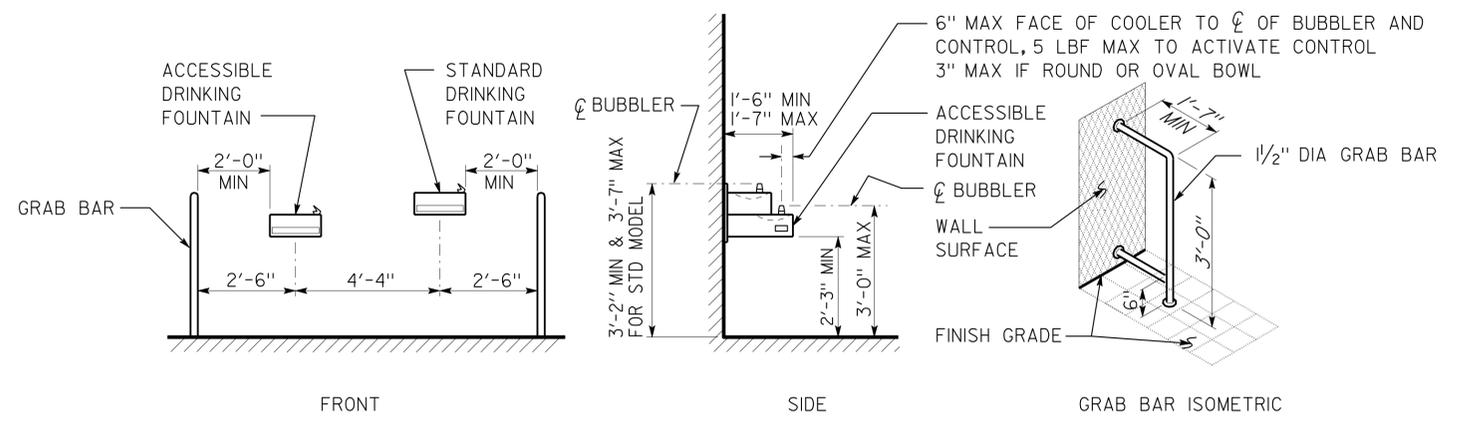


5 LAVATORY



6 GRAB BARS/ WATER CLOSET

- GRAB BAR NOTE:**
- IF TANK TYPE TOILET IS USED, TOP OF REAR BAR MAY BE SET TO 3'-0" MAX ABOVE FINISH FLOOR. SIDE BAR TO REMAIN AS SHOWN.
 - GRAB BARS TO BE 1 1/4" TO 1 1/2" DIAMETER WITH CLEAR SPACE OF 1 1/2" TO SMOOTH WALL SURFACE.

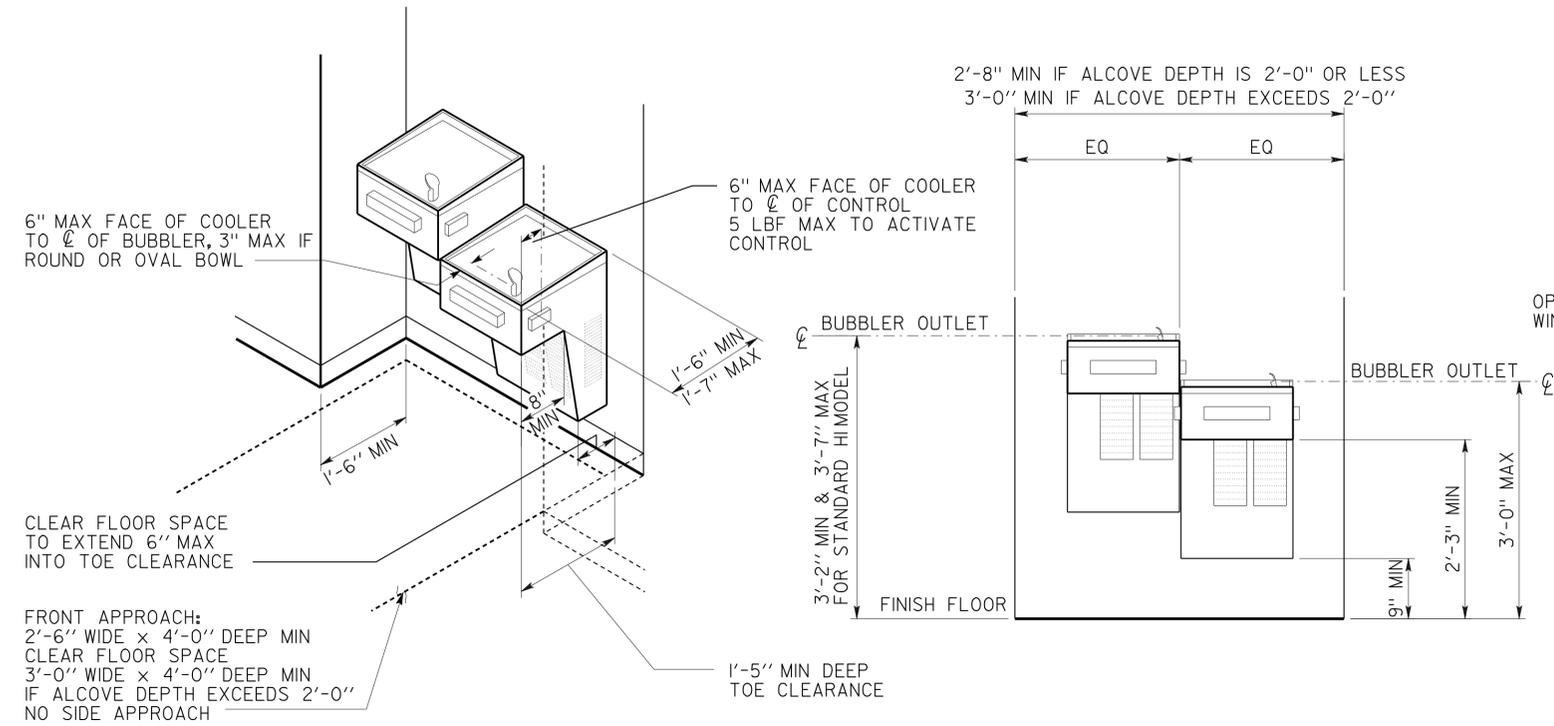


7 ELECTRIC WATER COOLER
IN LIEU OF GRAB BARS, OTHER TYPES OF WING WALLS MAY BE USED
DIMENSIONS AT FRONT ELEVATION MAY VARY - SEE PLAN

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

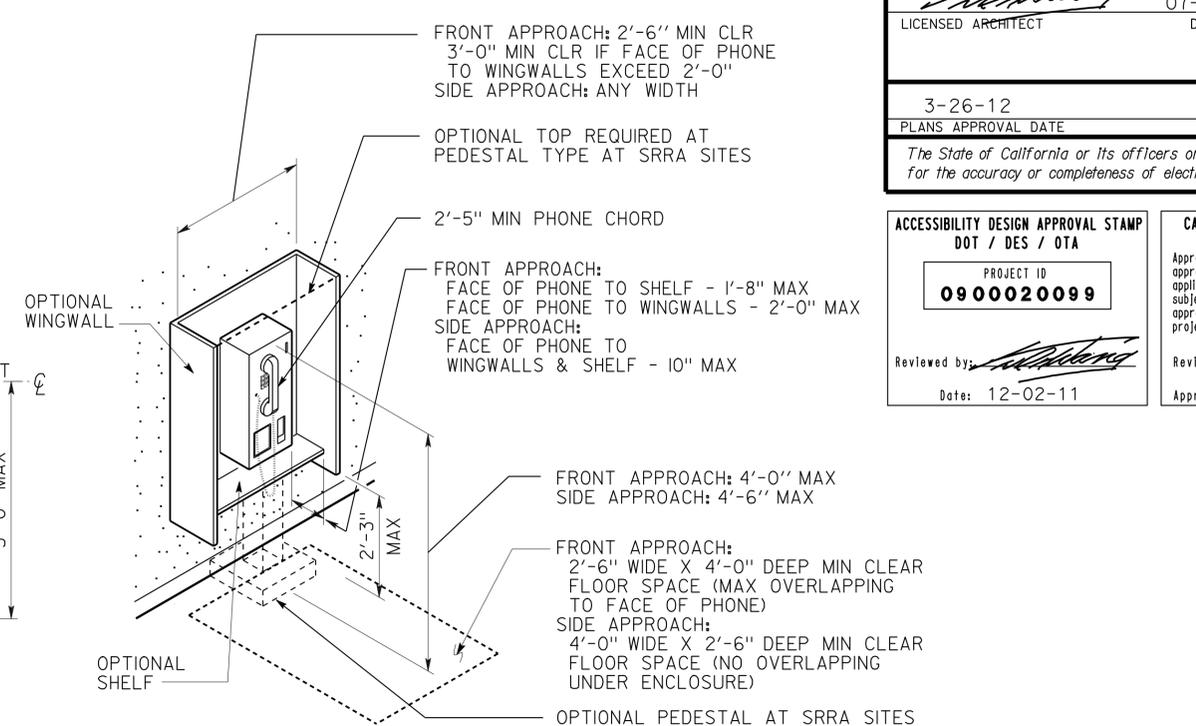
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 48M5710		LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET A0-3.4	
FILE NO. 07-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
DATE 07-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT 3582		PROJECT NUMBER & PHASE 09000200991		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
SUBMITTED BY Y.A. WANG				23-MAR-2012 07:53		0 1 2 3		- 07		SHEET OF		00_03d_1.dgn	

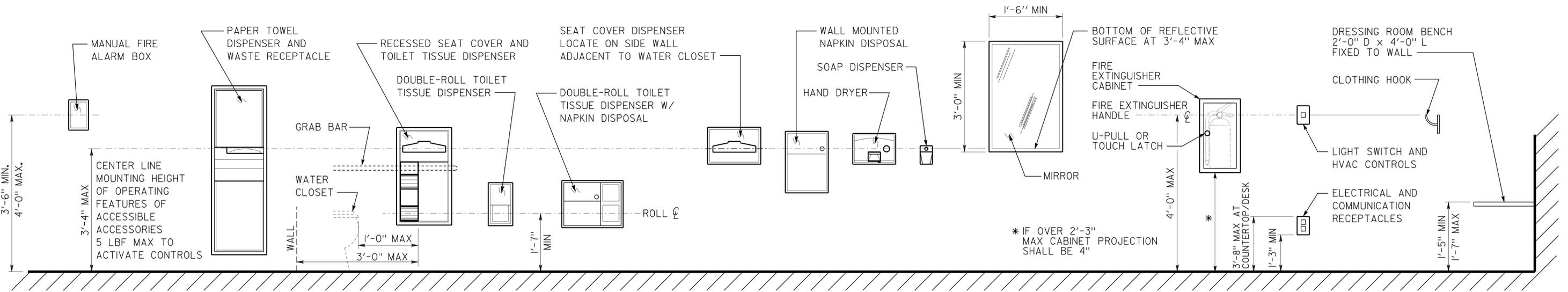


1 ELECTRIC WATER COOLER AT ALCOVE

FIXTURE TYPE MAY VARY
 WIDTH OF ALCOVE MAY VARY
 TWO FIXTURES WITH SEPARATE MOUNTING HEIGHTS MAY BE INSTALLED AT SEPARATE LOCATIONS.



2 TELEPHONE



3 ACCESSORIES

DETAILS
 NO SCALE UNLESS OTHERWISE NOTED

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STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 48M5710 POST MILE		LEE VINING MAINTENANCE STATION MECHANICAL FACILITY		SHEET A0-3.5	
FILE NO. 07-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 3582 09000200991		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)	
DATE 07-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3582 09000200991		DISREGARD PRINTS BEARING EARLIER REVISION DATES		- 07		SHEET OF	
TAEMWW Imper1al Rev. 7/10 23-MAR-2012 07:53												a0_03e_1.dgn	

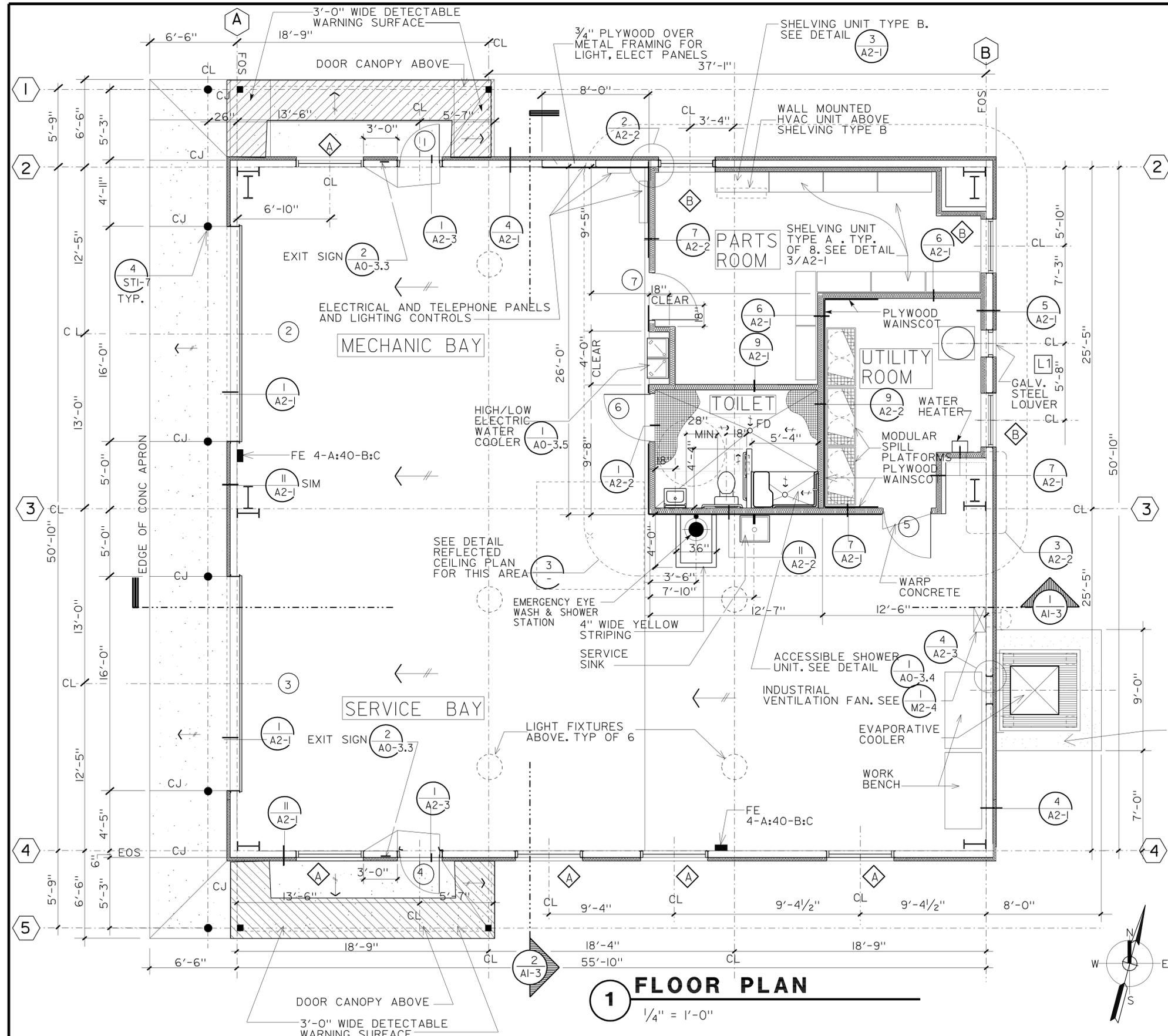
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	28	93

Lani Rhoades
 LICENSED ARCHITECT
 DATE 12/06/11
 No. C 26695
 Exp. 10/31/13
 STATE OF CALIFORNIA

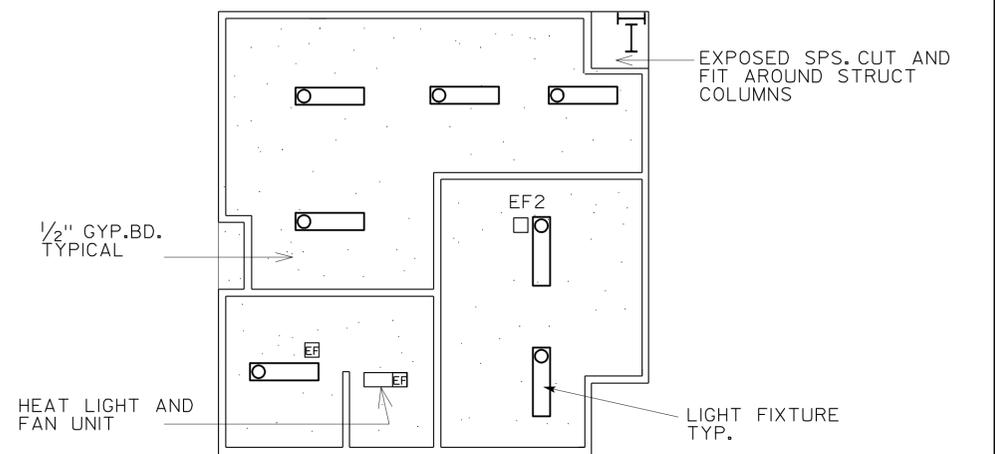
3-26-12
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
0900020099
 Reviewed by: *[Signature]*
 Date: 12-02-11

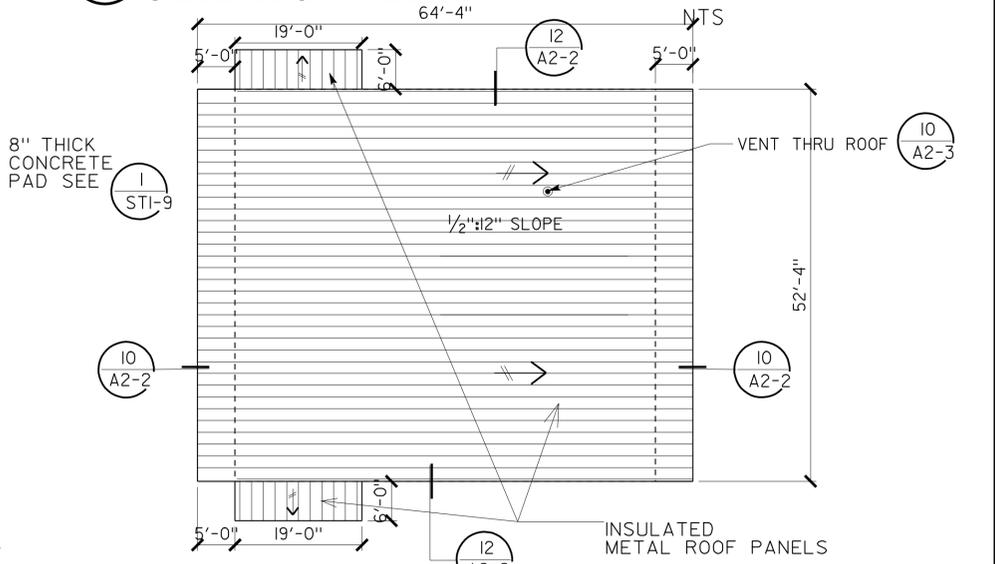
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
 FRANCIS SOLICH
 Approval date: 10-12-11



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



3 PARTIAL REFLECTED CEILING PLAN



2 ROOF PLAN
 NTS

a-1.1.dgn TAEMWW Imper1al Rev. 7/10 23-MAR-2012 10:24	DESIGN BY LANI RHOADES CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE	LEE VINING MAINTENANCE STATION MECHANICS FACILITY FLOOR PLAN , ROOF PLAN	SHEET OF A1-1	
	DETAILS BY LANI RHOADES CHECKED <i>[Signature]</i>		PROJECT NUMBER & PHASE 3582 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) - -07	SHEET OF X X
	QUANTITIES BY CHECKED <i>[Signature]</i>		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE EA 000000		SHEET OF X X	a-1.1.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	29	93

Lani Rhoades
 12/06/11
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT

Lani Rhoades
No. C 26695
Exp. 10/31/13
STATE OF CALIFORNIA

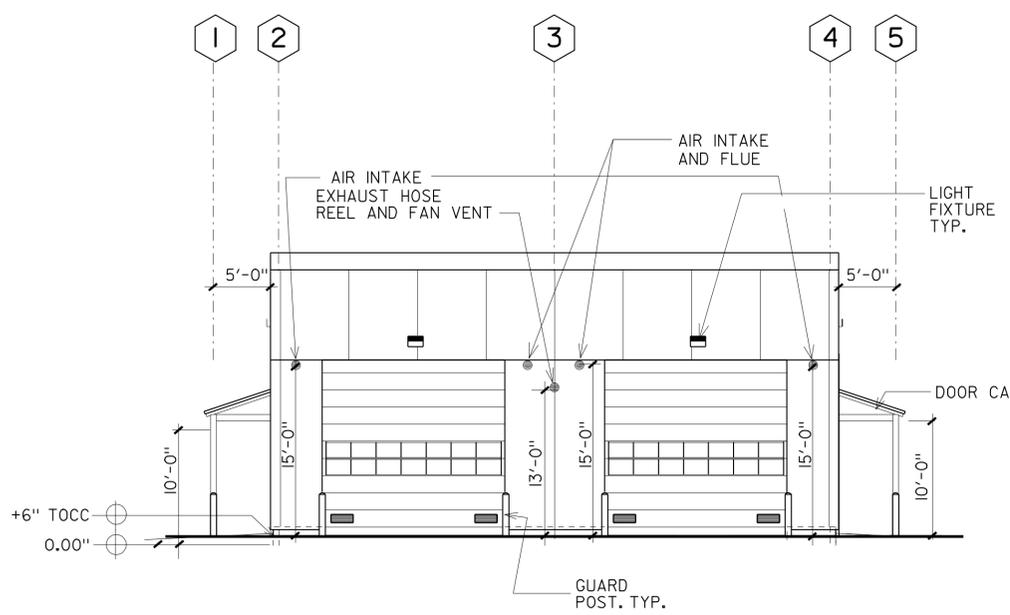
3-26-12
PLANS APPROVAL DATE

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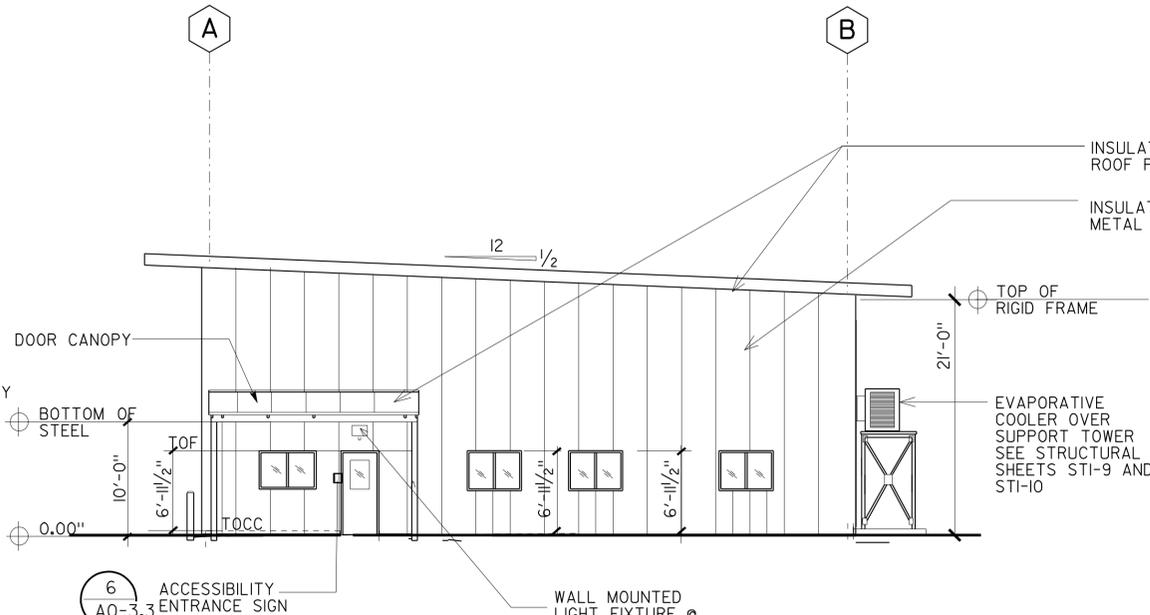
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0900020099 Reviewed by: <i>[Signature]</i> Date: 12-02-11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> FRANCIS SOLICH Approval date: 10-12-11
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COLOR & PAINT SCHEDULE		
ITEMS	COATING SYSTEM	COLOR
BUILDING INSULATED METAL ROOFING PANEL AND TRIM	BY MFR	Metl-Span Standard Exterior color Sandstone
INSULATED METAL WALL PANEL AND TRIM	BY MFR	Metl-Span Premium Exterior color Terra-Cotta
DOOR CANOPY INSULATED METAL ROOFING PANEL AND TRIM	BY MFR	Metl-Span Premium Exterior color Leaf Green
STRUCTURAL STEEL INTERIOR	D	Match metal wall panel exterior color
STRUCTURAL STEEL EXTERIOR	D	Match metal wall panel exterior color
DOOR CANOPY STRUCTURAL STEEL EXTERIOR	D	Match DOOR CANOPY METAL ROOFING PANELS
MISC METALS / FLASHING GALVANIZED STEEL EXPOSED MECH DUCTS	B	MATCH BACKGROUND COLOR
SECTIONAL OVERHEAD DOORS	D	DE 6I28 SAND DUNE LRV 62 BY DUNN-EDWARDS
METAL DOORS AND FRAMES	D	MATCH DOOR CANOPY METAL ROOFING PANELS
ALUMINUM FRAME WINDOWS AND LOUVERS	A	BLOMBURG SPRUCE GREEN
GYPSUM WALL BOARD	C	FROST 55YY 80/072 BY ICI
PLYWOOD SHEATHING WOOD TRIMS WOOD WINDOW SILLS	E	DE6220 POROUS STONE LRV57 BY DUNN EDWARDS
GUARD POSTS	D	DE5340 BANANA PEEL LRV 76 BY DUNN EDWARDS
CERAMIC TILES	BY MFR	FLOOR AND WALLS: 3"X3" ARTISAN BROWN D144 UNGLAZED MOSAIC COLORBODY BY DAL TILE
RUBBER BASE	BY MFR	4" BLACK BROWN NO 523 BURKEBASE

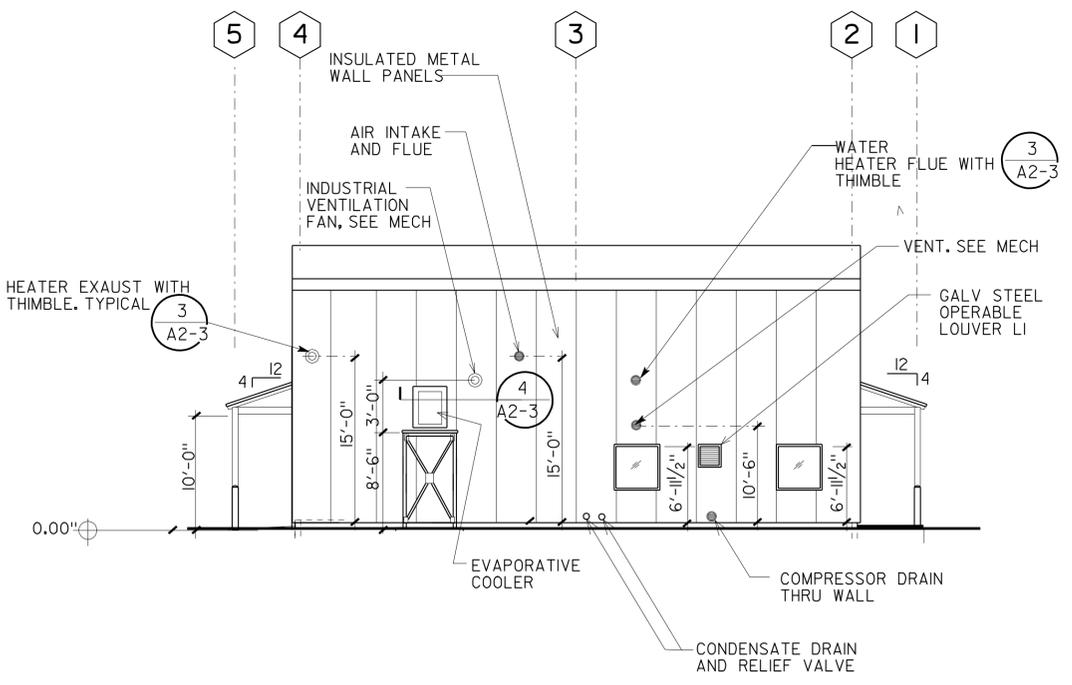
MANUFACTURERS' DESIGNATIONS SHOWN ON THIS COLOR AND PAINT SCHEDULE ARE FOR REFERENCE ONLY AS EXAMPLES OF QUALITY, COLOR AND FINISH. OTHER SIMILAR MANUFACTURER'S PRODUCTS WHICH ARE EQUAL OR BETTER MAY BE SUBMITTED BY CONTRACTOR TO STATE FOR REVIEW AND APPROVAL.



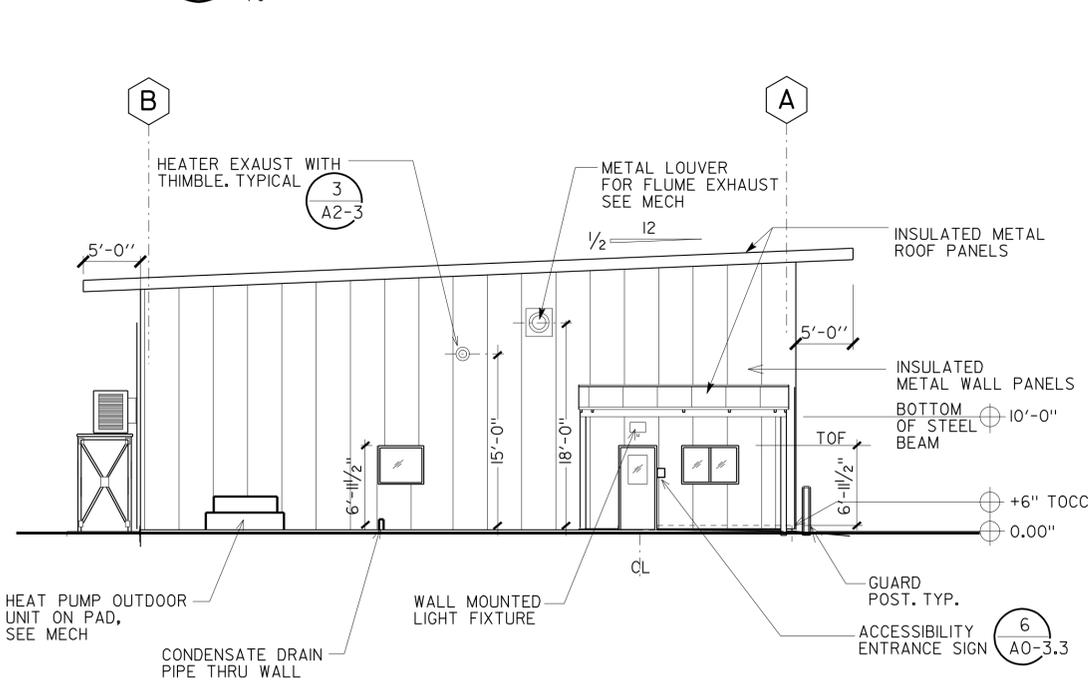
1 WEST ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



4 NORTH ELEVATION
1/8" = 1'-0"

g-1.2.dgn	DESIGN BY LANI RHOADES	CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET
TAEMWW Imper1al Rev. 7/10	DETAILS BY LANI RHOADES	CHECKED <i>[Signature]</i>	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	EXTERIOR ELEVATIONS	A1-2
26-MAR-2012 09:20	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3582 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X
			0 1 2 3	EA 000000	- 07		26-MAR-2012 09:20

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	30	93

<i>Lani Rhoades</i>		12/06/11	
LICENSED ARCHITECT		DATE	

3-26-12
PLANS APPROVAL DATE

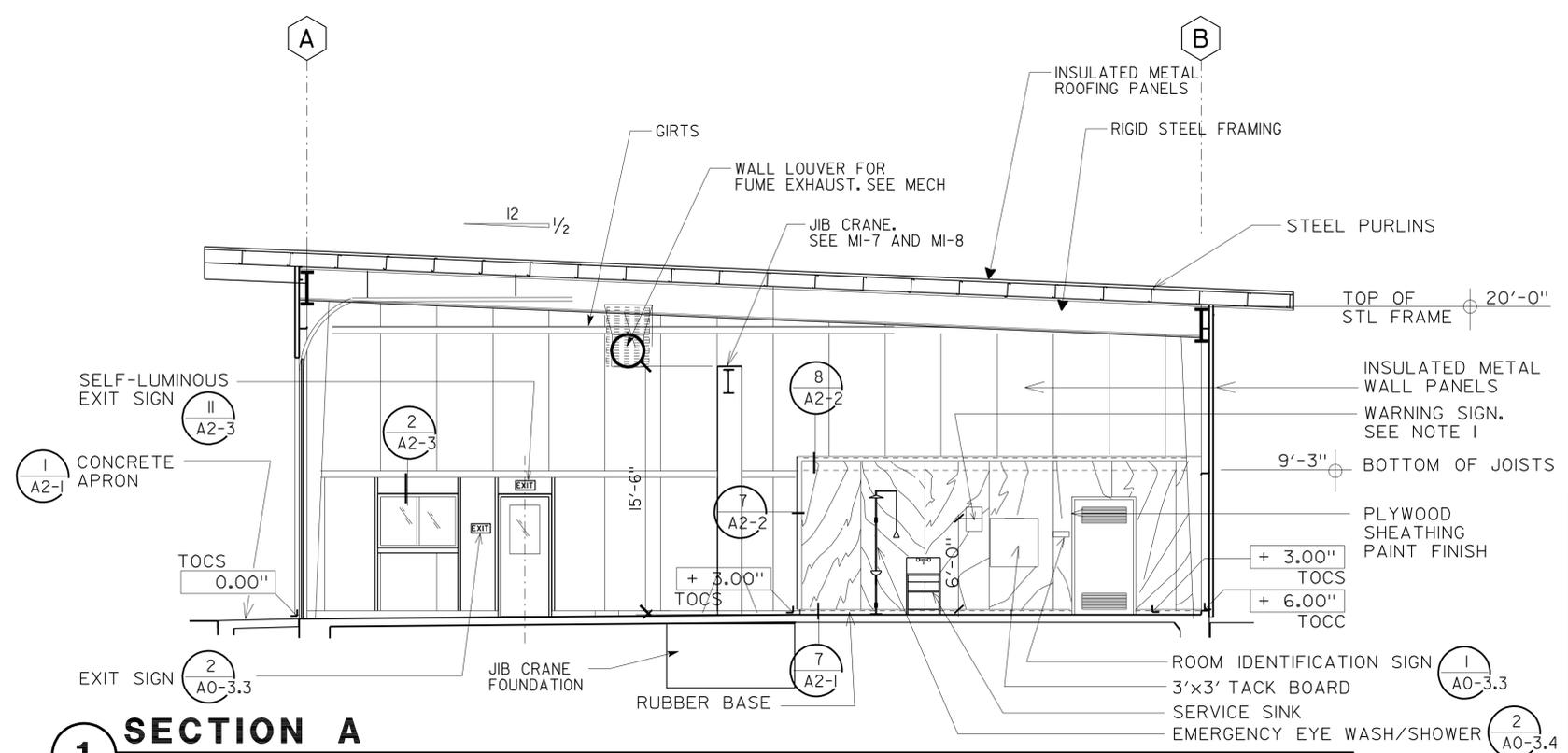
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NOTE ①
WARNING SIGNS SHALL APPROXIMATELY 14" x 18". SEE DETAILS 1,2, AND 7 ON SHEET A03.3 FOR TEXT SIZE, BRAILLE, AND MOUNTING HEIGHT. SIGN SHALL STATE THE FOLLOWING:

NO STORAGE PERMITTED ABOVE CEILING

BLUE BACKGROUND
WHITE TACTILE CHARACTERS

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0900020099 Reviewed by: <i>[Signature]</i> Date: 12-02-11	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> FRANCIS SOLICH Approval date: 10-12-11
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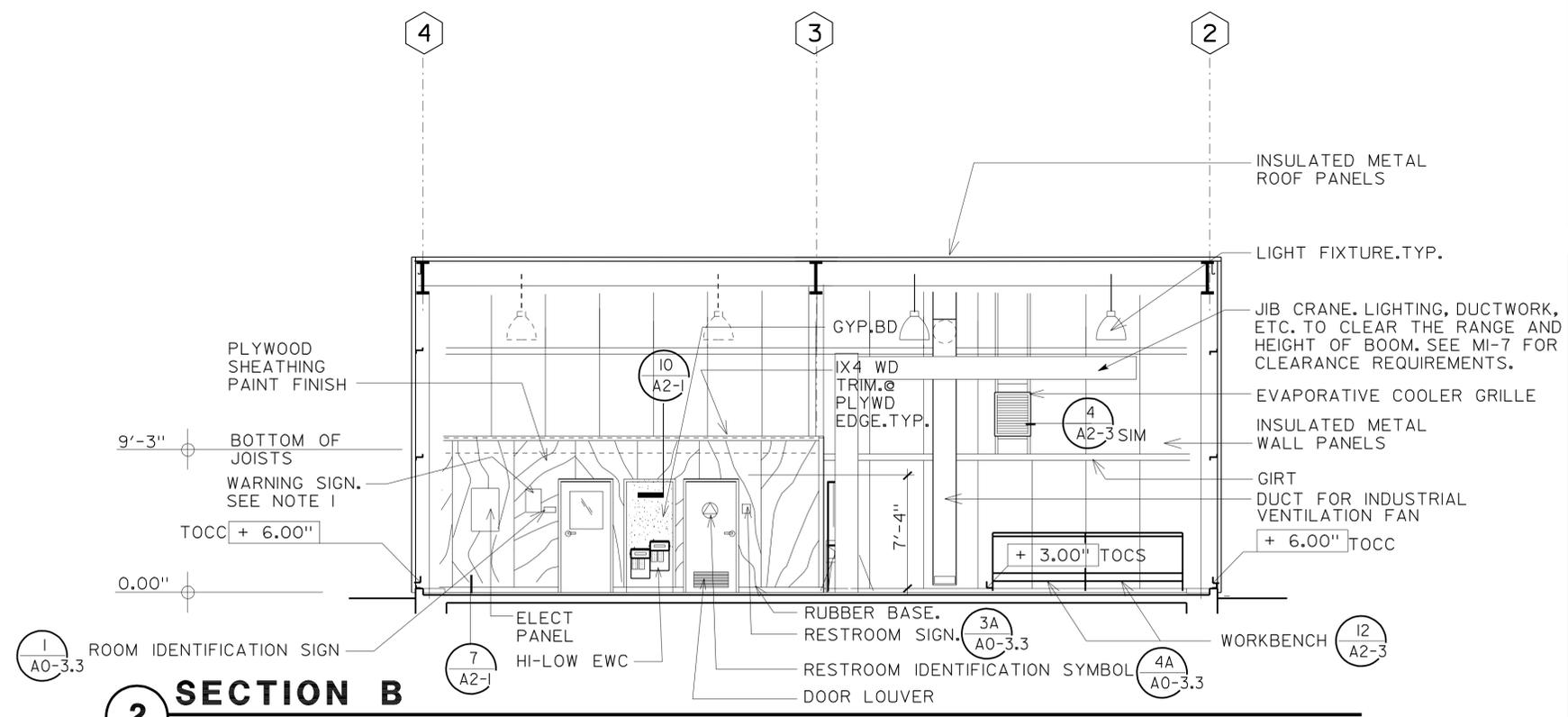


1 SECTION A
3/16" = 1'-0"

ROOM NAME	FLOOR		WALLS					CEILING		FINISHES	
	SMOOTH CONCRETE	CERAMIC TILES WITH COVERED BASE	INSULATED METAL WALL PANELS	CERAMIC TILES	3/4" PLYWOOD SHEATHING	5/8" GYP WALL BOARD	5/8" WR GYP BACKING BD	4" RUBBER BASE	INSULATED METAL ROOFING PANELS		1/2" GYP BD
SERVICE BAY	③		①	②				①	①	VARIES	
MECHANIC BAY	③		①	②				①	①	VARIES	
PARTS ROOM	③					④		①	④	9'-0"	ROOM IDENTIFICATION SIGN I A0-3.3
UTILITY ROOM	③			②		④		①	④	9'-0"	ROOM IDENTIFICATION SIGN I A0-3.3
TOILET		①	①						④	9'-0"	RESTROOM SIGN 3A AND 4A A0-3.3

DOOR SCHEDULE											
NO.	WIDTH x HEIGHT	THICK	MATERIAL	FINISH	FRAME	HRDWR GROUP	TYPE	DETAILS	NOTES		
①	3'-0" x 7'-2"	1 3/4"	HOLLOW METAL	PAINT	PMF	1	C	① A2-3, ⑤ A2-3, ⑧ A2-3	SAFETY GLASS LITE ACCESSIBLE BUILDING ENTRANCE SIGN EXIT SIGNS 2/A0-3.3 & 11/A2-3 ⑥ A0-3.3		
②	16'-0" x 16'-0"	—	STEEL	PAINT	—	—	A	⑥ A2-3, ⑨ A2-3	INSULATED w/ ADJUSTABLE LOUVERS		
③	16'-0" x 16'-0"	—	STEEL	PAINT	—	—	A	⑥ A2-3, ⑨ A2-3	INSULATED w/ ADJUSTABLE LOUVERS		
④	3'-0" x 7'-2"	1 3/4"	HOLLOW METAL	PAINT	PMF	1	C	① A2-3, ⑤ A2-3, ⑧ A2-3	SAFETY GLASS LITE ACCESSIBLE BUILDING ENTRANCE SIGN EXIT SIGNS 2/A0-3.3 & 11/A2-3 ⑥ A0-3.3		
⑤	3'-6" x 7'-2"	1 3/4"	HOLLOW METAL	PAINT	PMF	2	B	④ A2-2	ROOM IDENTIFICATION SIGN 30"x12" UPPER AND LOWER LOUVER ① A0-3.3		
⑥	3'-0" x 7'-2"	1 3/4"	HOLLOW METAL	PAINT	PMF	4	B	④ A2-2	UNISEX RESTROOM SIGN IDENTIFICATION SYMBOL 24"x12" LOWER LOUVER ④A A0-3.3, ③A A0-3.3		
⑦	3'-0" x 7'-2"	1 3/4"	HOLLOW METAL	PAINT	PMF	3	B	④ A2-2	SAFETY GLASS LITE ROOM IDENTIFICATION SIGN ① A0-3.3		

NOTE: SEE DETAIL 5/ A0-3.3, ROOM FINISH AND DOOR SCHEDULES FOR SIGNS TYPES AND LOCATIONS



2 SECTION B
3/16" = 1'-0"

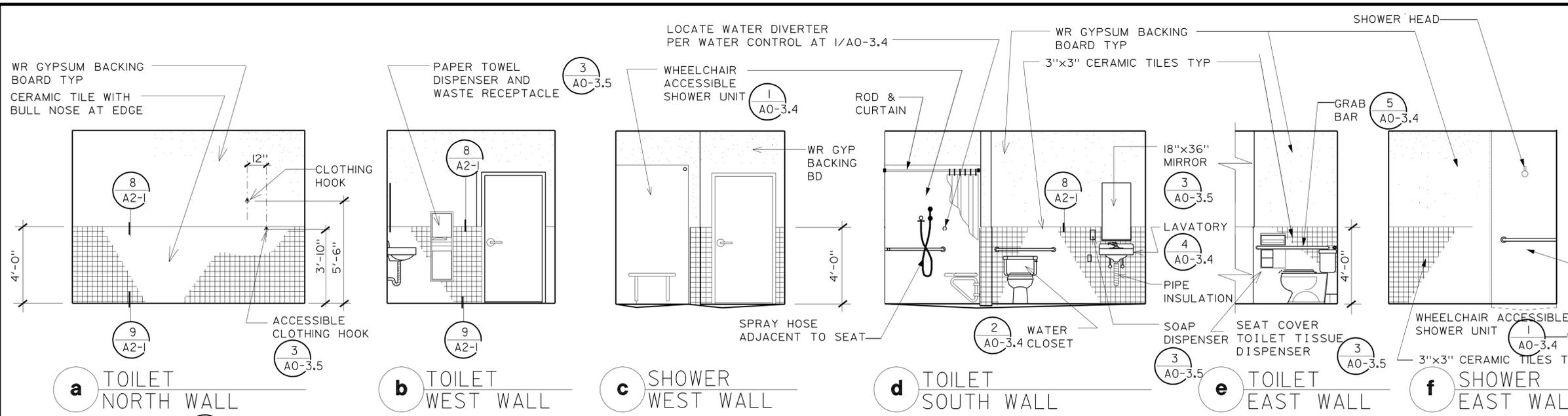
DESIGN BY LANI RHOADES	CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET A1-3
DETAILS BY LANI RHOADES	CHECKED <i>[Signature]</i>		POST MILE		SECTIONS AND SCHEDULES
QUANTITIES BY	CHECKED				

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
0 1 2 3	3582 09000200991	- -07		X X

a1.3.dgn 26-MAR-2012 09:20 TAEMWW Imper1al Rev. 7/10 26-MAR-2012 09:20 EA 000000

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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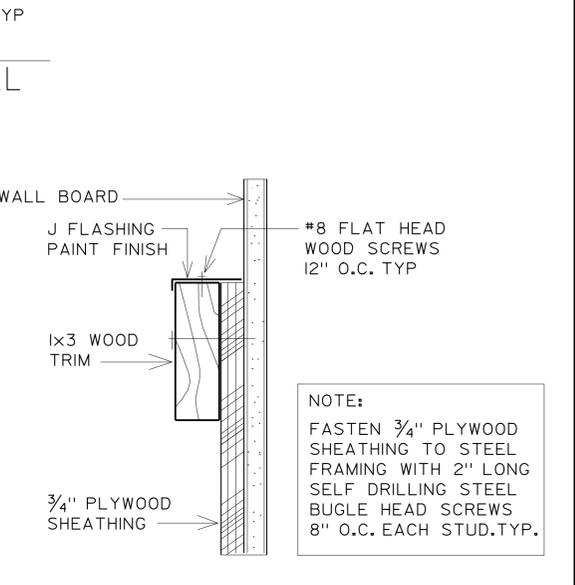
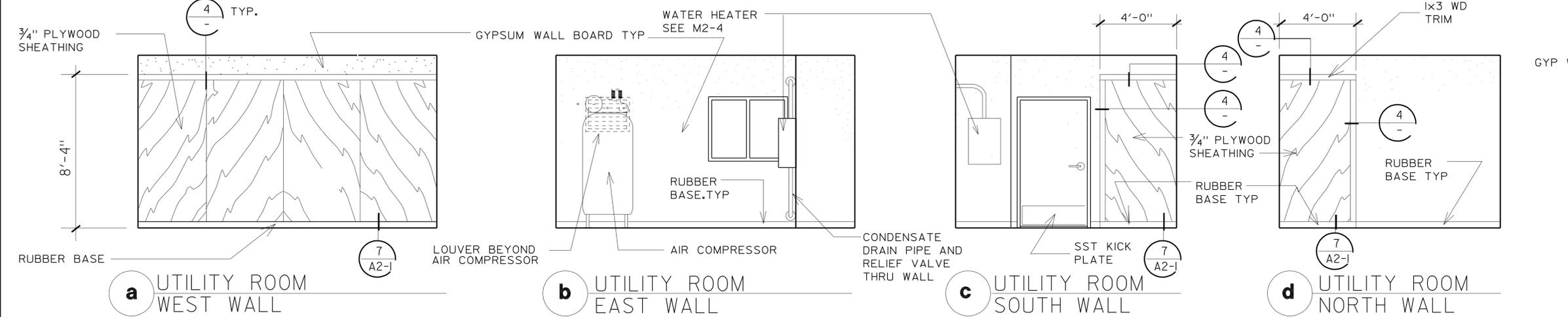
<i>Lani Rhoades</i>		12/06/11
LICENSURE ARCHITECT	DATE	



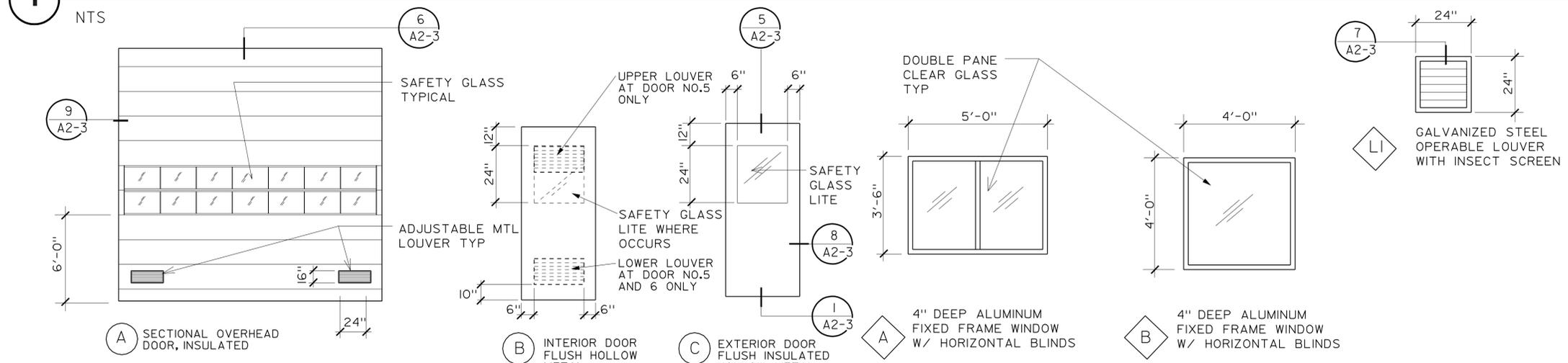
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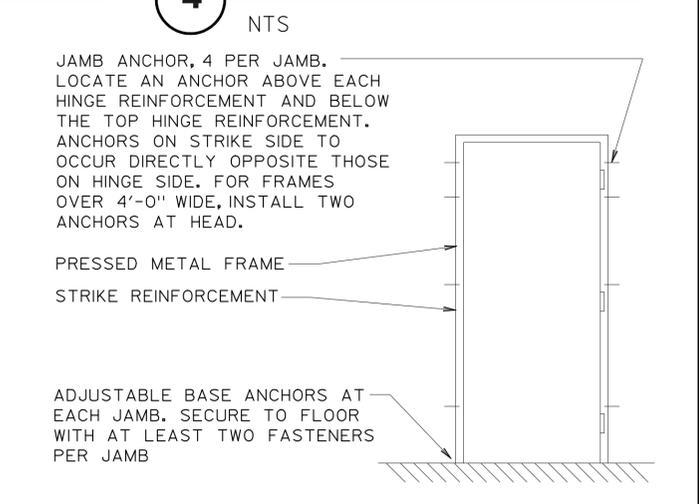


1 INTERIOR ELEVATIONS



2 DOORS AND WINDOWS

4 TRIM DETAIL

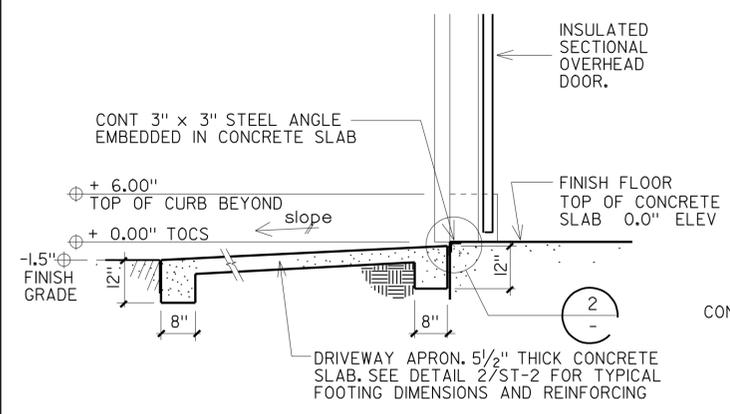


3 TYPICAL PMF ANCHORAGE

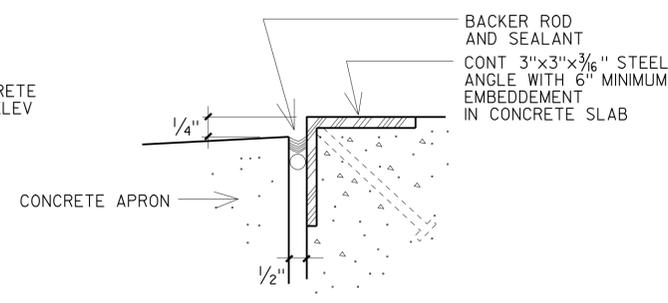
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	DETAILS BY LANI RHOADES	CHECKED <i>[Signature]</i>		POST MILE		
	QUANTITIES BY	CHECKED		PROJECT NUMBER & PHASE 09000200991		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3582 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

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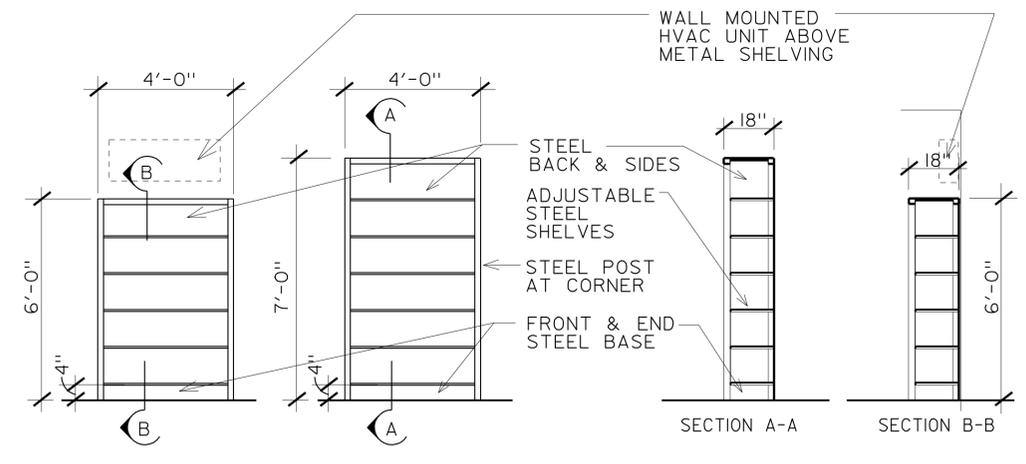
<i>Lani Rhoades</i>		12/06/11
LICENSURE ARCHITECT	DATE	



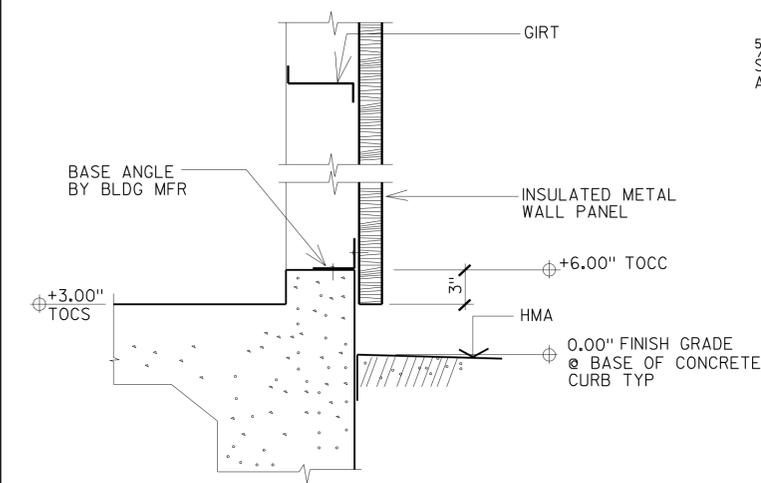
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NTS



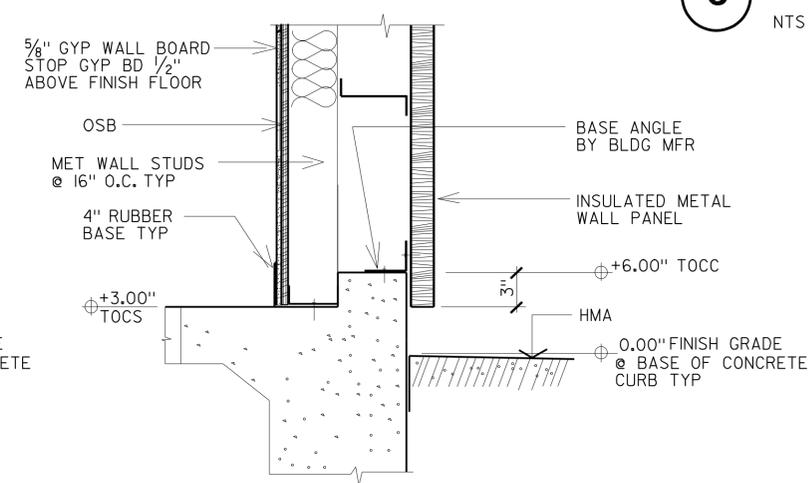
2 DOOR THRESHOLD
NTS



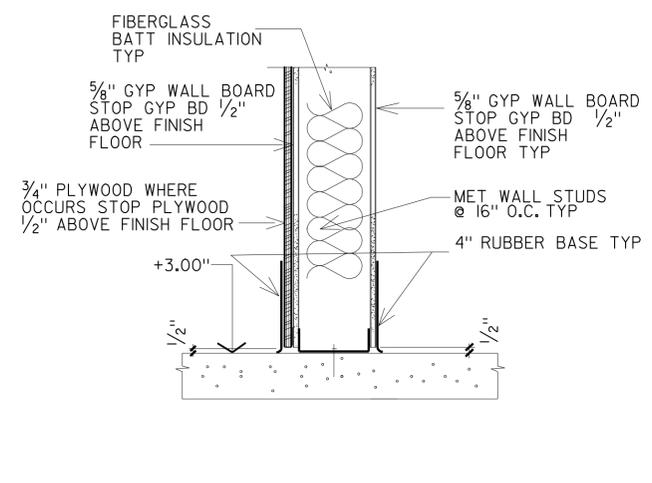
3 STEEL SHELVING
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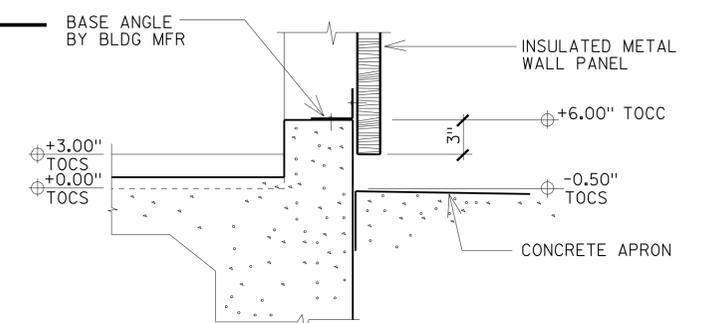
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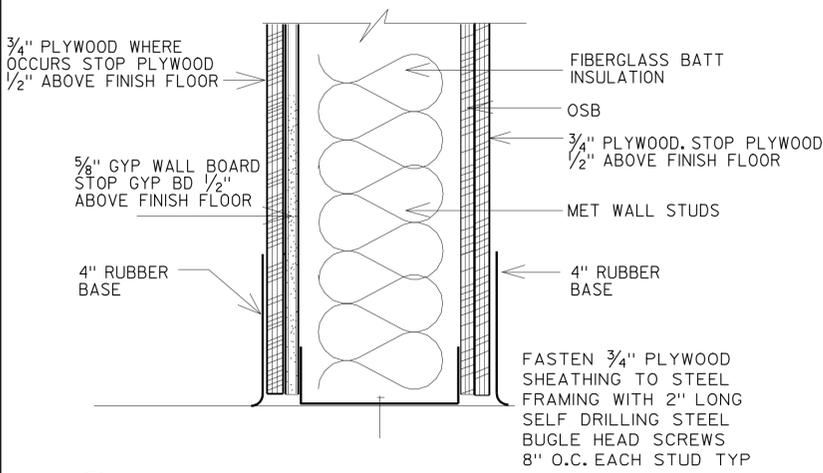
5 FOOTING DETAIL
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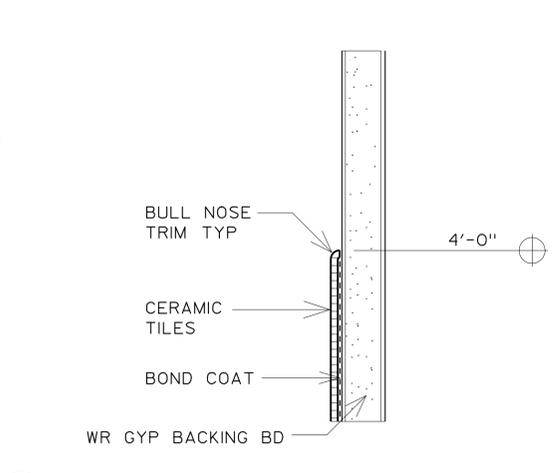
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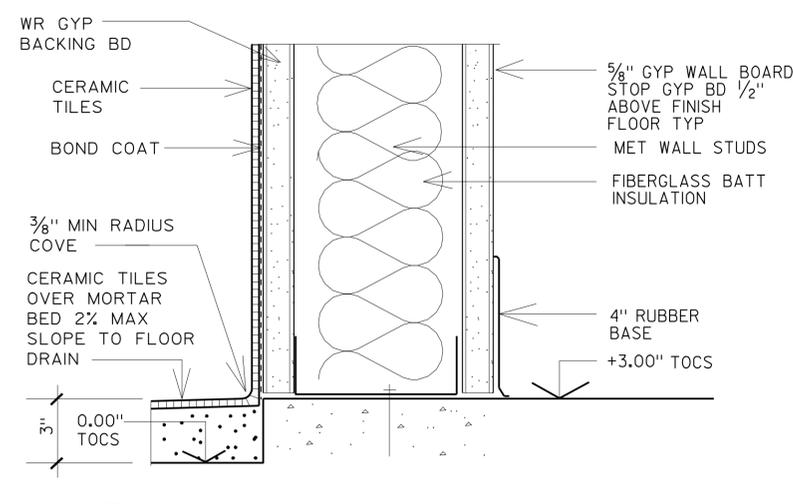
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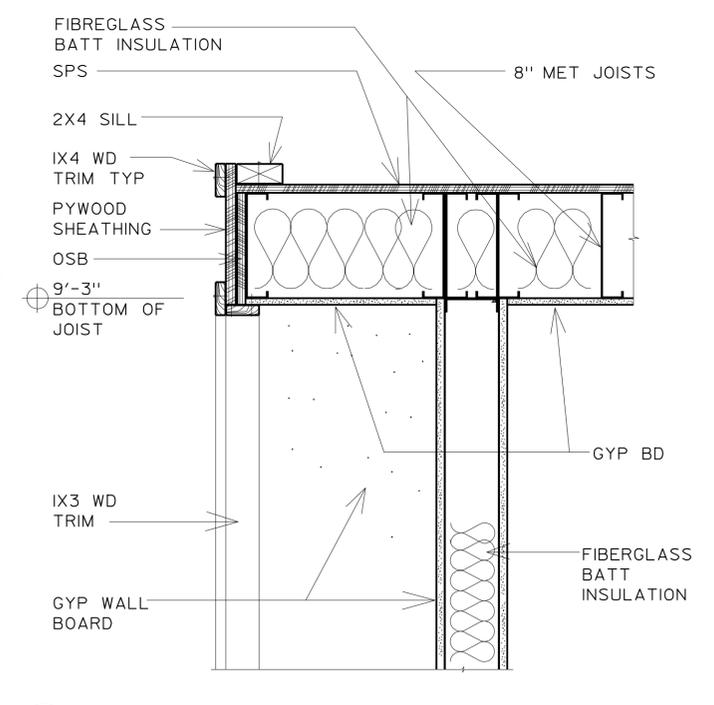
7 WALL DETAIL
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8 WALL DETAIL
NTS



9 WALL DETAIL
NTS

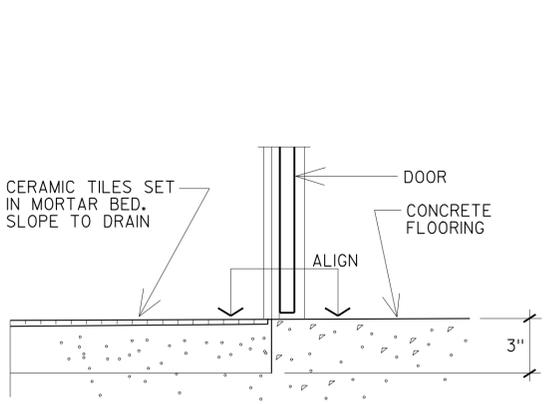


10 WALL DETAIL
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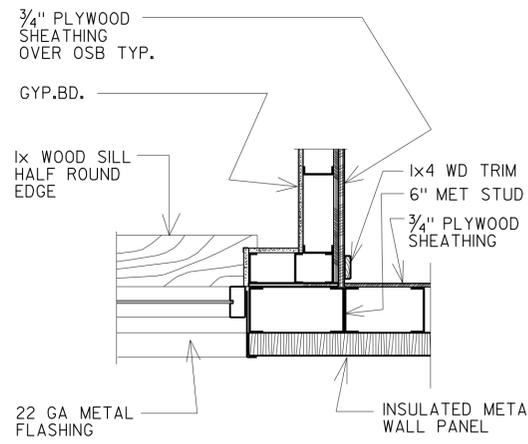
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DETAILS	BY LANI RHOADES	CHECKED <i>Lani Rhoades</i>			48M5710		A2-1
QUANTITIES	BY	CHECKED			POST MILE		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3582 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	-07	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
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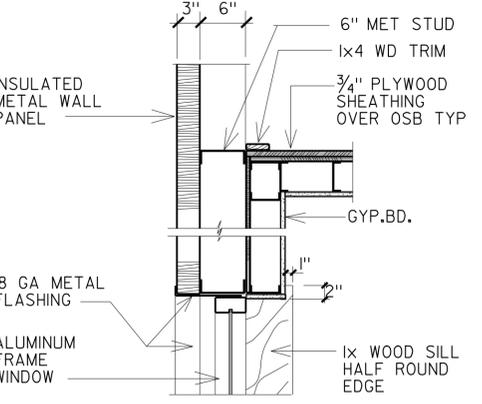
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3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



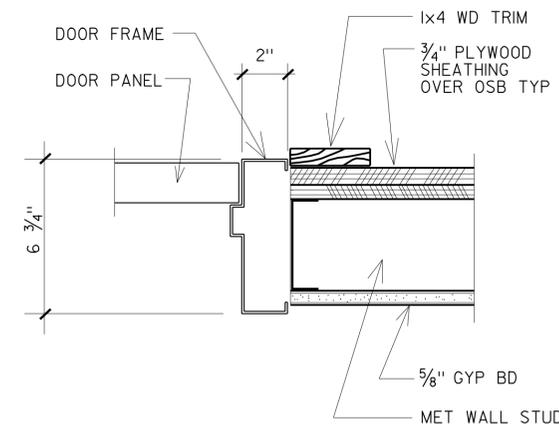
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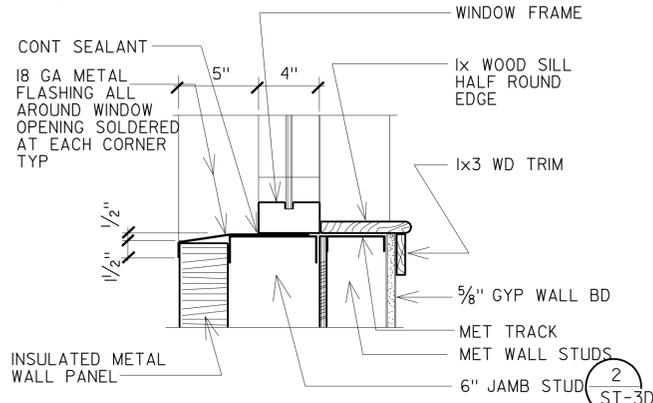
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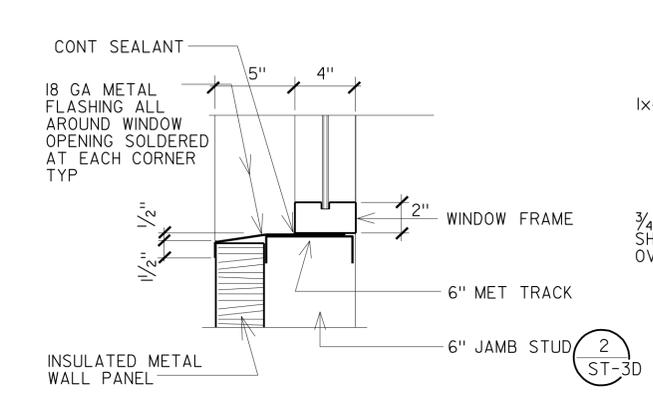
3 WALL / WINDOW DETAIL NTS



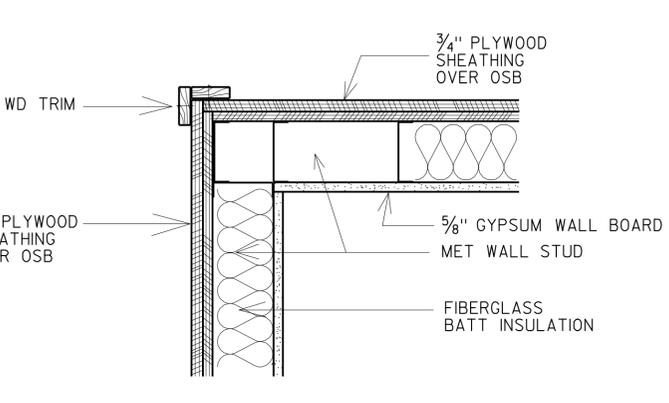
4 DOOR JAMB HEAD SIMILAR NTS



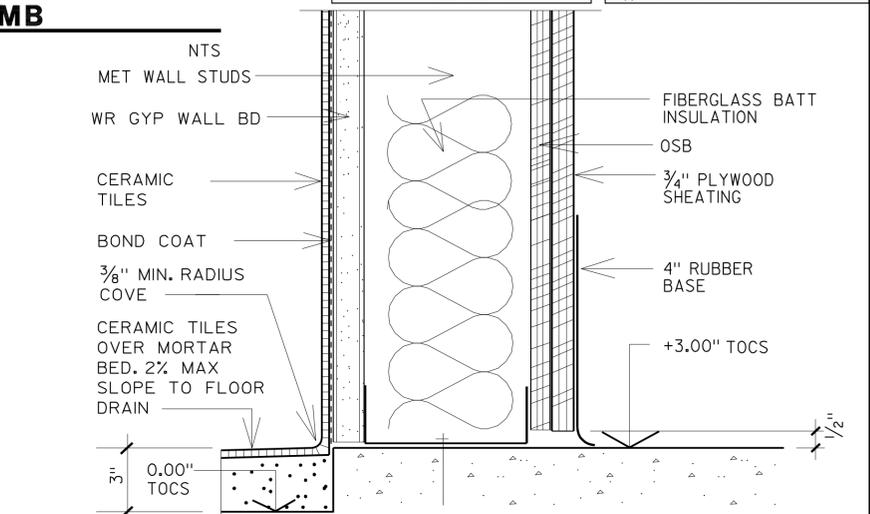
5 WINDOW SILL NTS



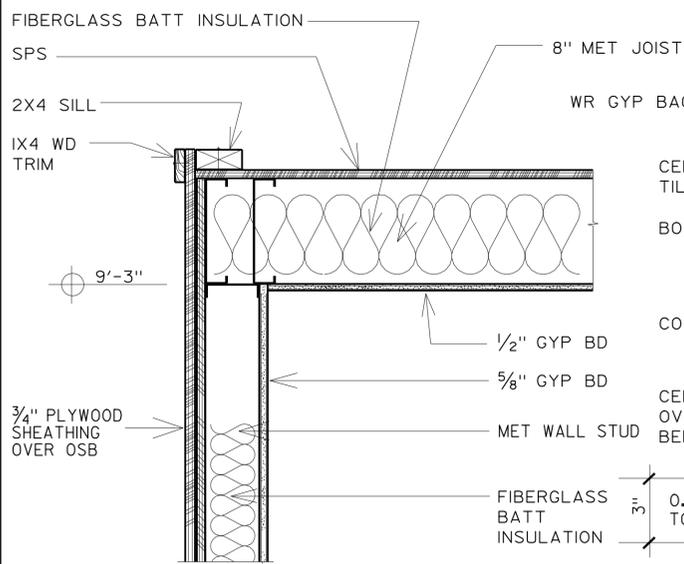
6 WINDOW SILL NTS



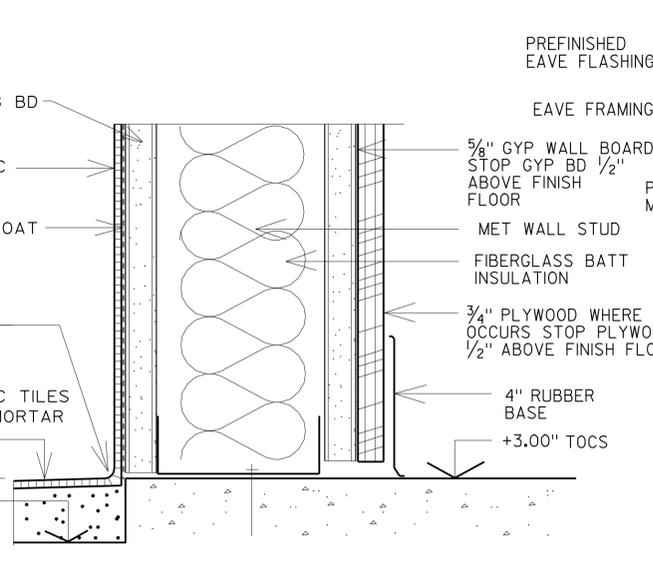
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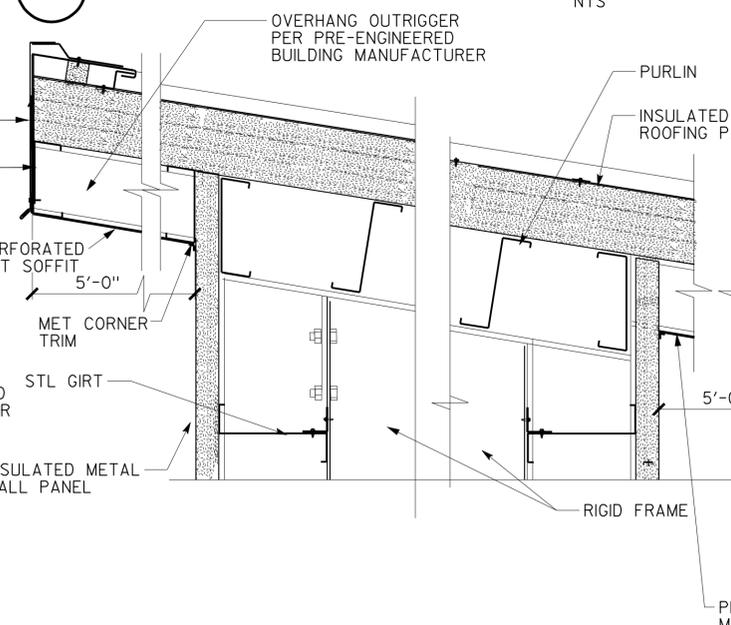
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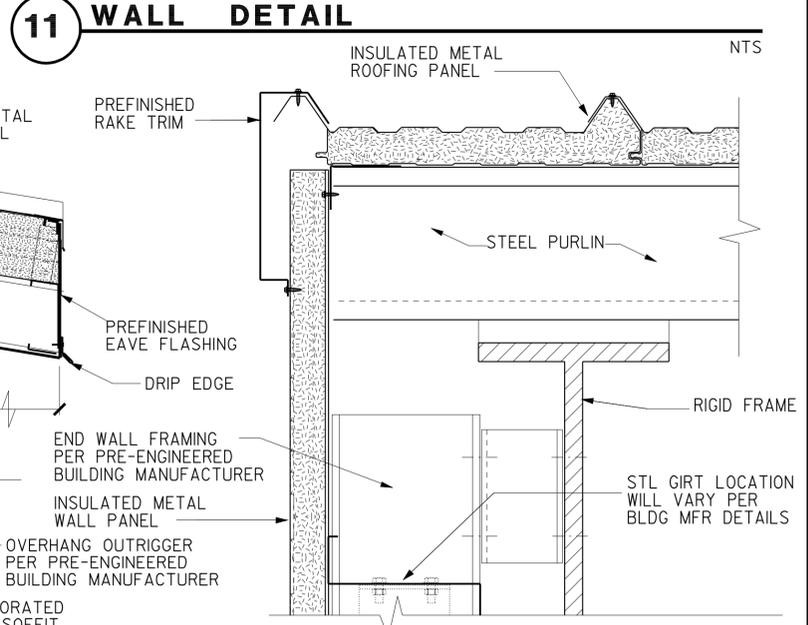
8 WALL / CEILING DETAIL NTS



9 WALL DETAIL NTS



10 ROOF EAVE DETAIL NTS



12 RAKE DETAIL NTS

a2_02.dgn TAEMWW Imper1al Rev. 7/10 23-MAR-2012 09:37	DESIGN BY LANI RHOADES	CHECKED <i>Lani Rhoades</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY DETAILS	SHEET A2-2
	DETAILS BY LANI RHOADES	CHECKED <i>Lani Rhoades</i>		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE 09000200991
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 000000	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

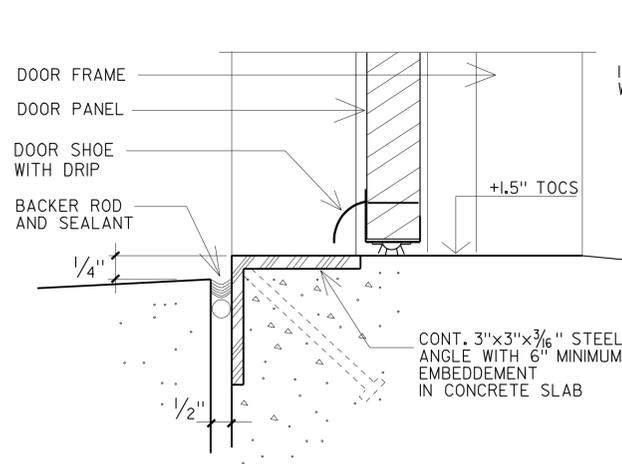
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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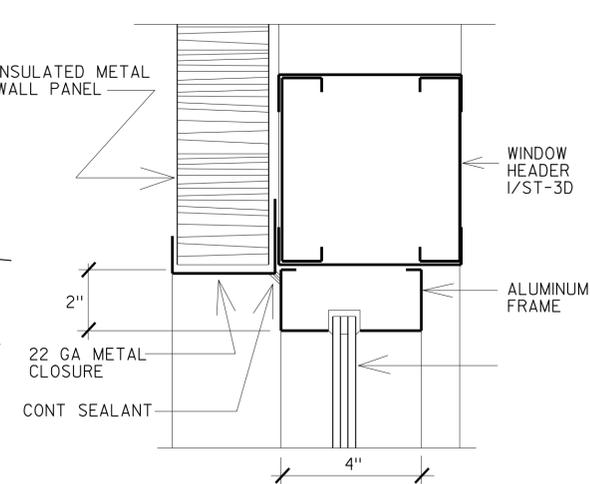
<i>Lani Rhoades</i>		12/06/11
LICENSURE ARCHITECT	DATE	
3-26-12 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



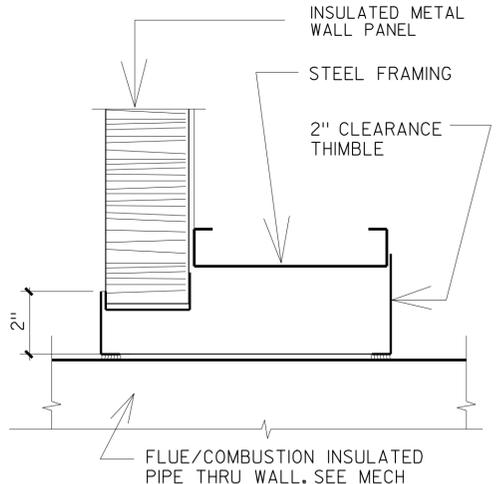
ACCESSIBILITY DESIGN APPROVAL STAMP	CALIFORNIA STATE FIRE MARSHAL APPROVED
DOT / DES / OTA PROJECT ID 0900020099	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>[Signature]</i> Date: 12-02-11	Reviewed by: <i>[Signature]</i> FRANCIS SOLICH Approval date: 10-12-11



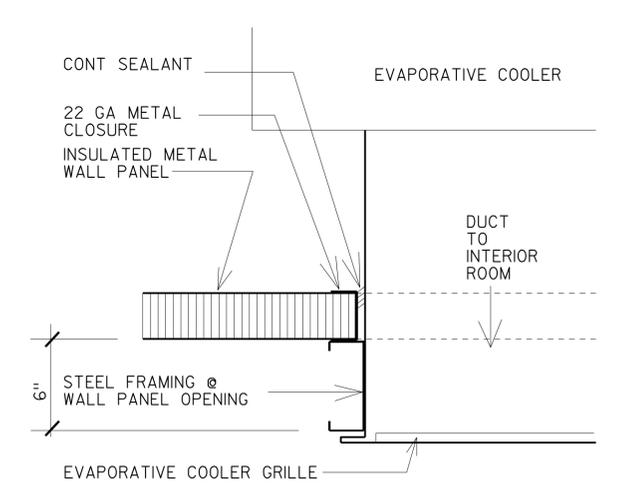
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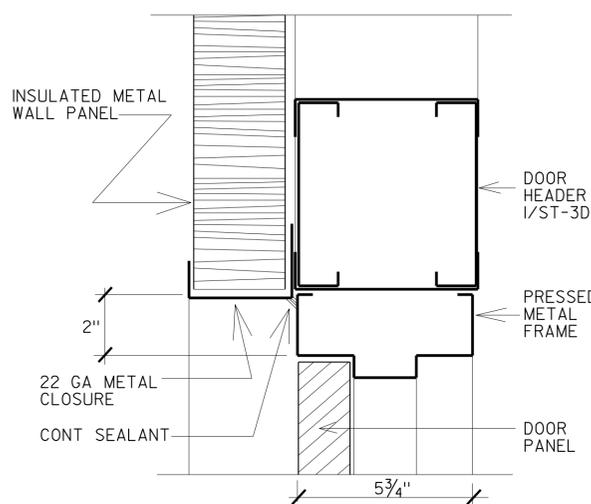
2 WINDOW HEAD JAMB SIMILAR NTS



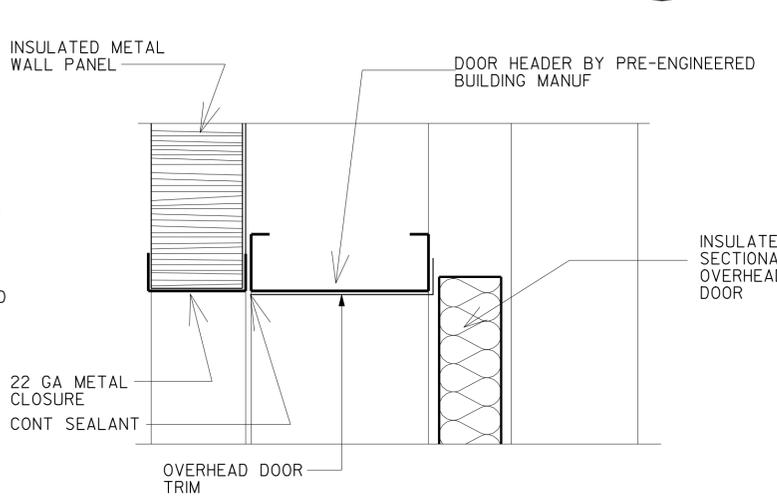
3 TYP. FLUE/COMBUSTION THRU WALL NTS



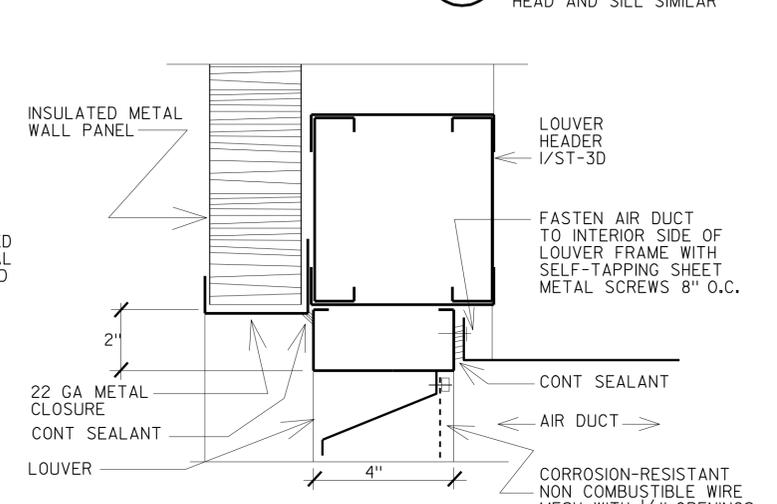
4 WALL DETAIL JAMB DETAIL @ EVAPORATIVE COOLER HEAD AND SILL SIMILAR NTS



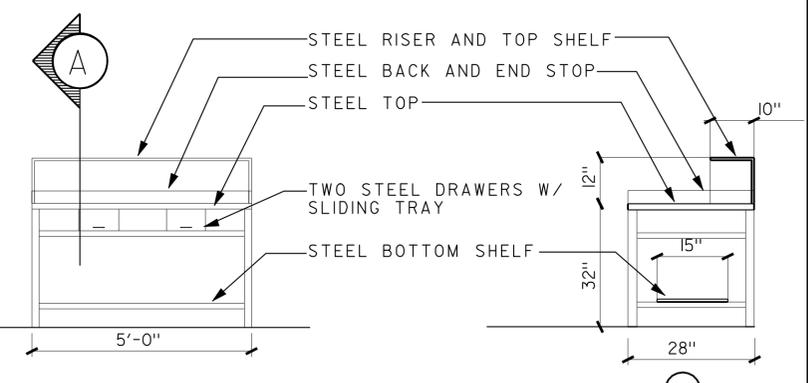
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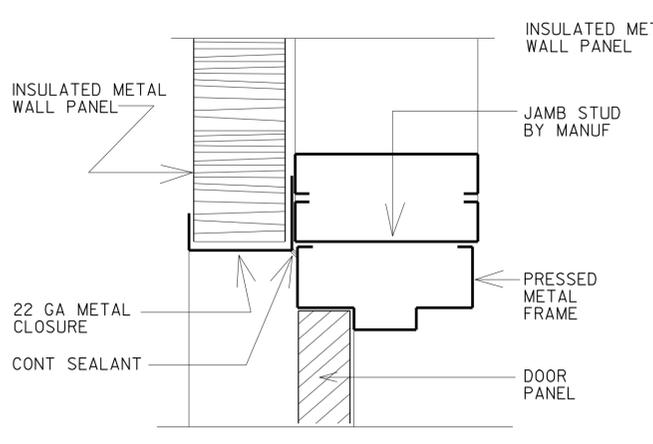
6 OVERHEAD DOOR HEAD DETAIL NTS



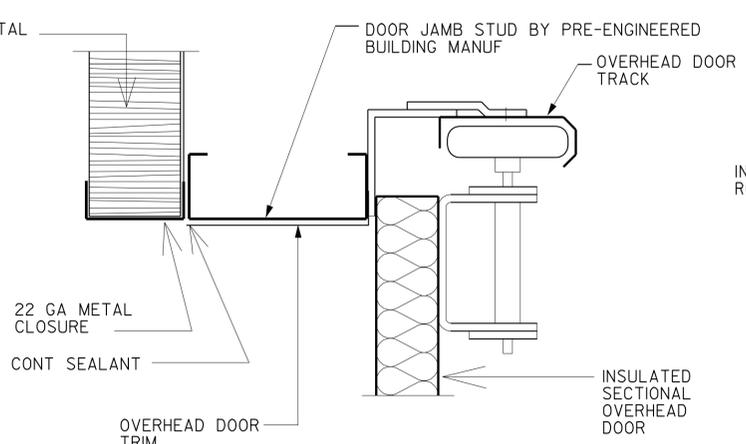
7 LOUVER HEAD DETAIL JAMB, SILL SIMILAR NTS



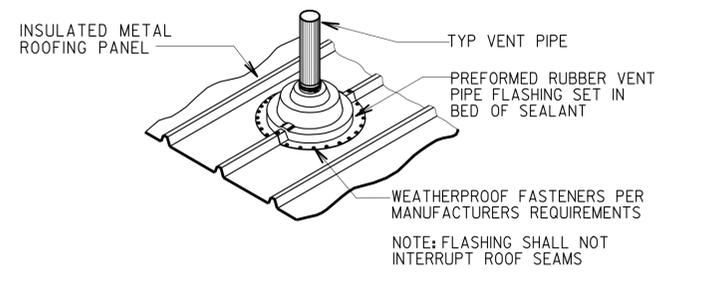
12 WORKBENCH NTS



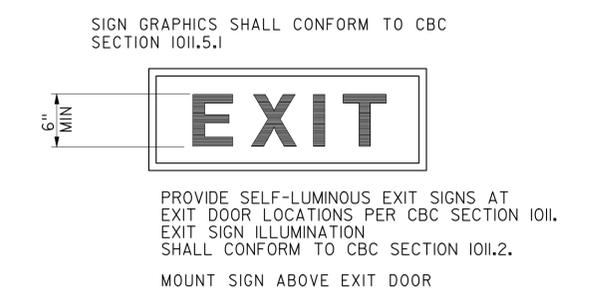
8 DOOR JAMB NTS



9 OVERHEAD DOOR JAMB DETAIL NTS



10 PLUMBING VENT THRU ROOF NTS

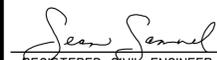
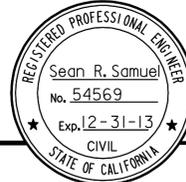


11 SELF-LUMINOUS EXIT SIGN NTS

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	DETAILS	BY LANI RHOADES	CHECKED <i>[Signature]</i>		POST MILE	09000200991		REVISION DATES (PRELIMINARY STAGE ONLY)	
QUANTITIES	BY	CHECKED	UNIT		3582	DISREGARD PRINTS BEARING EARLIER REVISION DATES		-07	

23-MAR-2012 09:37

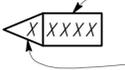
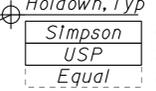
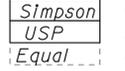
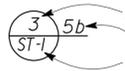
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	35	93


 REGISTERED CIVIL ENGINEER
 DATE 12-06-11


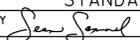
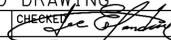
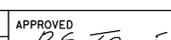
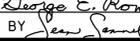
ABBREVIATIONS

AAD	Adhesive Anchorage Device	HD	Holdown
AB	Anchor Bolt	Hex	Hexagon
AC	Asphalt Concrete	Horiz	Horizontal
Alt	Alternate	HSB	High Strength Bolt
APA	American Plywood Association	HSS	Hollow Structural Section
APC	Alternative Pipe Culvert	Jt	Joint
Bldg	Building	LOL	Layout Line
Blkg	Blocking	LVL	Laminated Veneer Lumber
BN	Boundary Nailing	m	Meter
Btm	Bottom	Max	Maximum
CB	Carriage Bolt	MEA	Mechanical Expansion Anchor
CIDH	Cast In Drilled Hole	Mech	Mechanical
CJ	Control Joint	Mfr	Manufacturer
Clr	Clear	mm	Millimeter
CMU	Concrete Masonry Unit	Min	Minimum
Conc	Concrete	MIW	Malleable Iron Washer
Const	Construction	OC	On Center
Cont	Continuous	OG	Original Grade
CP	Complete Penetration Weld	OH	Opposite Hand
Dbl	Double	Opt	Optional
DF	Douglas Fir	P	Pitch
Dia	Diameter	PDF	Powder Driven Fastener
DIP	Ductile Iron Pipe	Plwd	Plywood
DN	Diameter Nominal	PT	Pressure Treated
do	Ditto	PW	Puddle Weld
(E)	Existing	PWB	Prefabricated Wood I Beam
Ea	Each	RCP	Reinforced Concrete Pipe
EL	Elevation	Reinf	Reinforced, Reinforcing
Elec	Electrical	Req'd	Required
Embed	Embedment	SDSTS	Self Drill, Self Tap Screw
EN	Edge Nail	Sim	Similar
Eq	Equal	SPS	Structural Plywood Sheathing
Exp	Expansion	Sq	Square
FDGM	Free Draining Granular Material	Stagg	Staggered
FG	Finish Grade	Std	Standard
FL	Flow Line	SW	Stud Weld
Fir	Floor	Sym	Symmetrical
FN	Face (Field) Nail	T&G	Tongue-and-Groove
FOC	Face of Concrete	TN	Toe Nail
FOM	Face of Masonry	TS	Tube Steel
FOS	Face of Stud	Typ	Typical
Ftg	Footing	UON	Unless Otherwise Noted
Ga	Gage	Vert	Vertical
Galv	Galvanized		
GLM	Glue Laminated Member		
Gyp Bd	Gypsum Board		

SYMBOLS

	Blocking in Section or Elevation		CMU Wall on Plan Views
	Continuous Member in Section		Dropped Slab on Plan Views
	End of Member		Reinforced Concrete
	Bearing Wall		Sand
	Shear Wall		Structural Backfill
	Length Shearwall Schedule Symbol Reference		Structural Excavation
	Glue Laminated Member Section		Original Ground
	North Arrow		Limits of Structural Backfill (shown on plan view)
	Partial Section Cut		Free Draining Granular Material
	Full Section Cut		Bottom of Footing
	Revision Callout		Elevation or Working Point
	Grid Line Indicator		Existing Features
	Center Line		Holdown, Typ (Manufacturers are those noted in the order shown.)
	Station Line		Frame Connector (Manufacturers are those noted in the order shown.)
	Steel Plate		Detail Number or Note Number Additional Reference (if required) Sheet Number
	Diameter		
	Square		

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

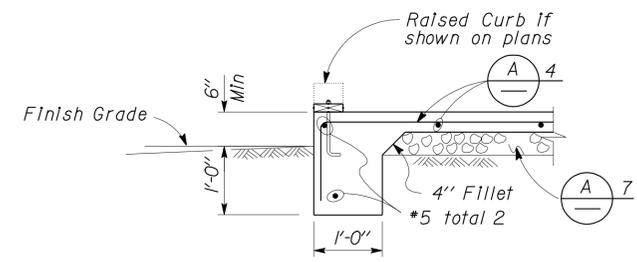
FILE NO. XS-25-0	DESIGN BY 	CHECKED BY 	APPROVED BY 
DRAWING DATE 1-04	DETAILS BY 	CHECKED BY 	DESIGN SUPERVISOR

STANDARD DRAWING

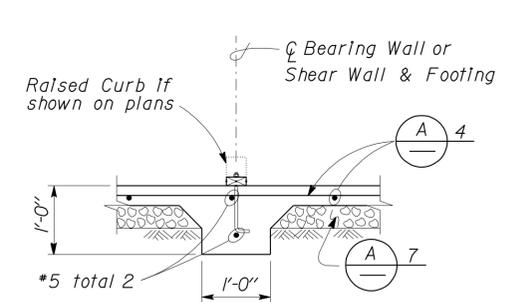
STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE

LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST-1
LEGEND		

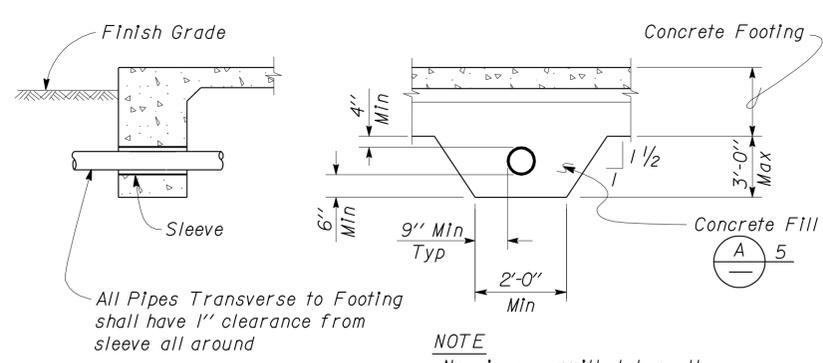
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	36	93
				REGISTERED CIVIL ENGINEER 12-06-11 PLANS APPROVAL DATE	
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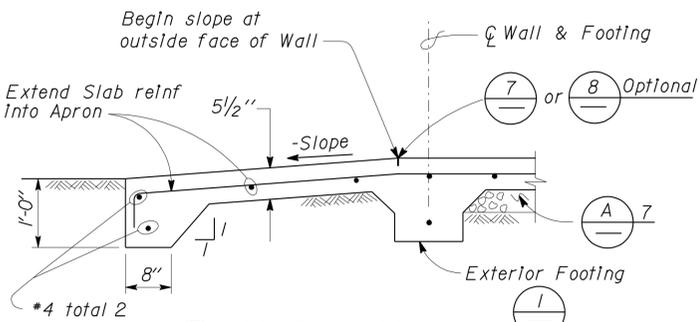
1 EXTERIOR FOOTING
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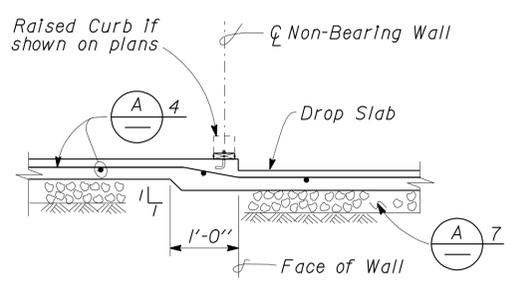
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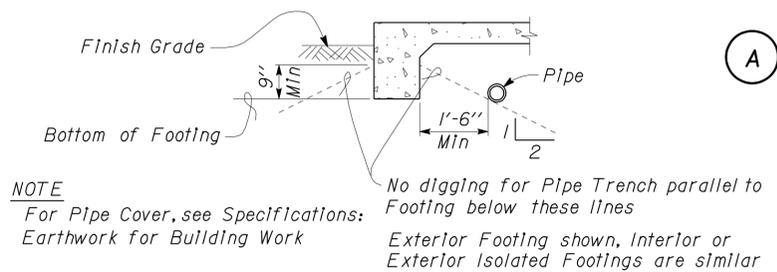
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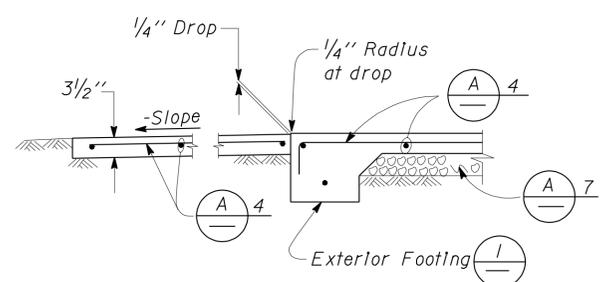
2 DRIVEWAY APRON
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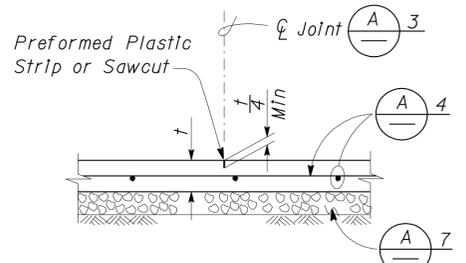
6 DROP SLAB AT NON-BEARING WALL
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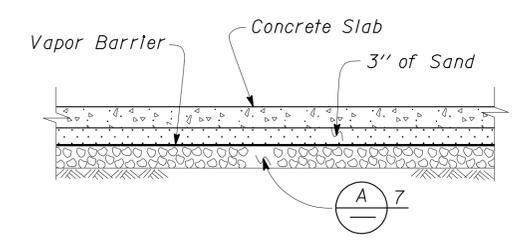
10 PIPE DETAILS PARALLEL TO FOOTING
No Scale



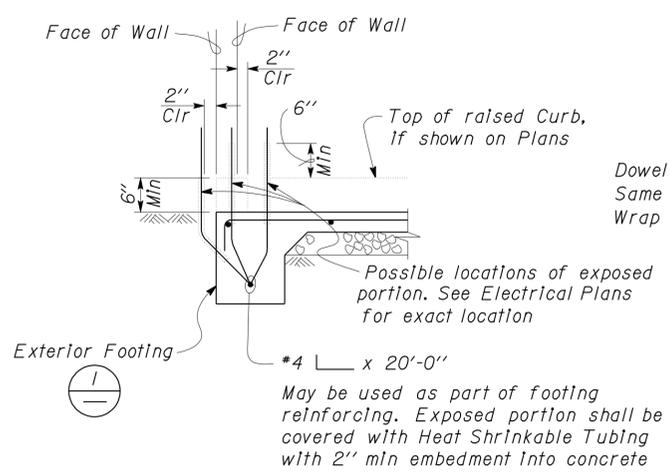
3 WALKWAY APRON
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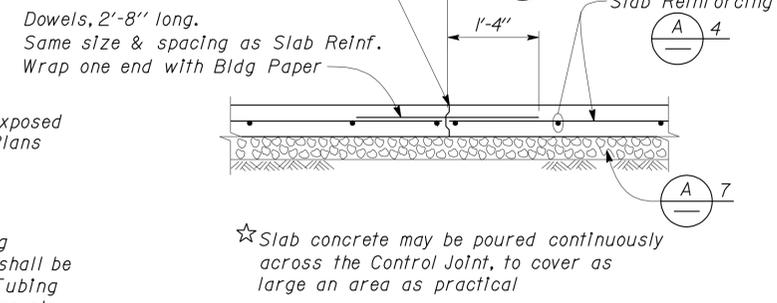
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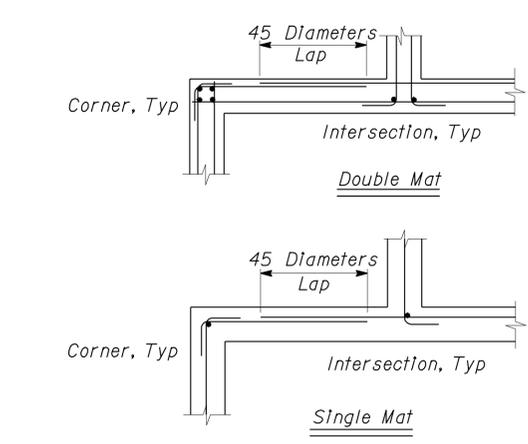
11 MOISTURE BARRIER
No Scale



4 GROUND BAR DETAIL
No Scale



8 CONTRACTION JOINT
No Scale



12 CORNER/INTERSECTION REINF SPLICE, TYPICAL
No Scale

- A CONCRETE NOTES**
- The following minimum concrete cover shall be provided for reinforcement.

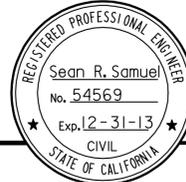
	Minimum Cover
a. Concrete cast against and permanently exposed to earth	3"
b. Concrete exposed to earth or weather but cast in forms:	
*6 thru *18 bars	2"
*5 bar and smaller, W31 or D31 Wire, and smaller	1 1/2"
c. Concrete not exposed to weather or in contact with ground:	
Slabs, Walls and Joists:	
*14 and *18 Bar	1 1/2"
*11 Bar and smaller	3/4"
Beams and Columns:	
Primary Reinforcement, Ties, Stirrups and Spirals	1 1/2"
 - Splices in continuous reinforcement as in Walls, Wall Footings, etc. #8 or smaller shall have a lap of 45 diameters and the splices in adjacent bars shall not be less than 5'-0" apart.

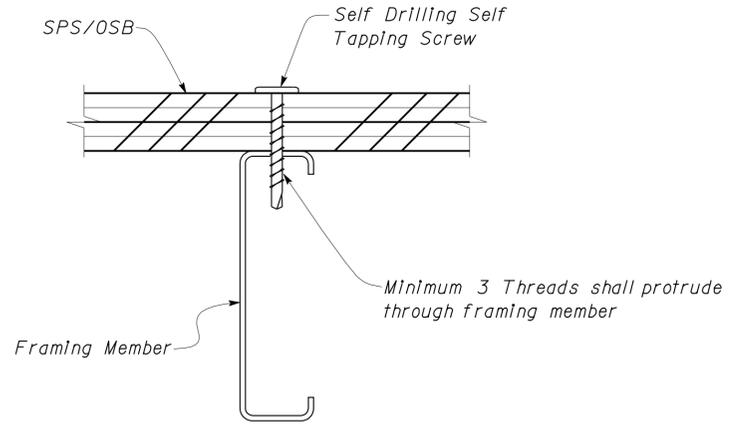
Continuous Bars in spandrels, Wall Beams, etc. shall lap Top Bars at center of span and Bottom Bars at supports.
 - Contraction Joints and Control Joints shall divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing shall not exceed 15'-0".
 - Slab Thickness (t)

Slab Thickness (t)	Reinforcement
3 1/2"	*3 @ 18 Each way, place in center of Slab
5 1/2"	*4 @ 18 Each way, place in center of Slab
 - Concrete fill is to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.
 - See Mechanical and Architectural Plans for size and locations of pipe, vents, ducts and other similar openings. See Electrical Plans for conduits and outlet boxes in floors, walls, etc.
 - Place 4" of free draining granular material under slabs.

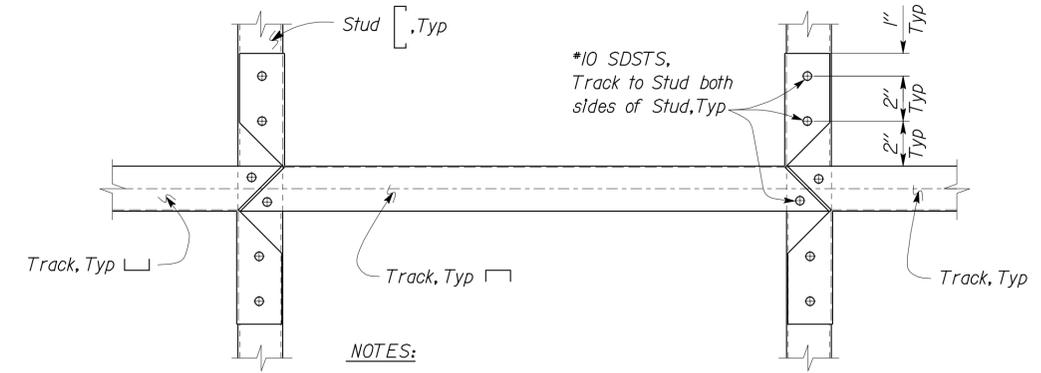
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

FILE NO. XS-25-1	DESIGN BY Sean Samuel	CHECKED Steve C. ...	APPROVED R.E. ...	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY Sean Samuel	CHECKED ...	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	MECHANICS FACILITY	
DESIGNED BY Sean Samuel	SUBMITTED BY Sean Samuel	DESIGN ENGINEER					CONCRETE STANDARD	
SCALE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	37	93
			12-06-11 REGISTERED CIVIL ENGINEER DATE		
3-26-12 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.					

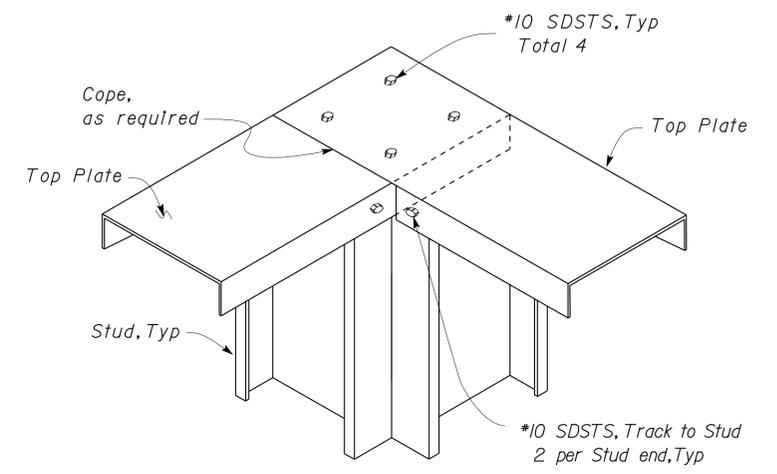


1 SCREW DETAIL
No Scale

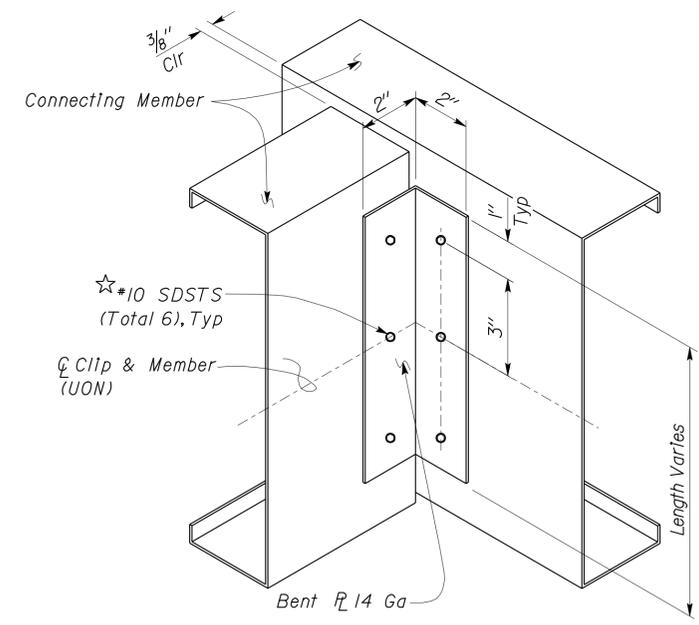


- NOTES:**
1. Track used for Blocking shall match Studs, In Width and Gauge thickness.
 2. Strapping on blocking, If required, not shown for clarity.

2 STUD BLOCKING DETAIL
No Scale

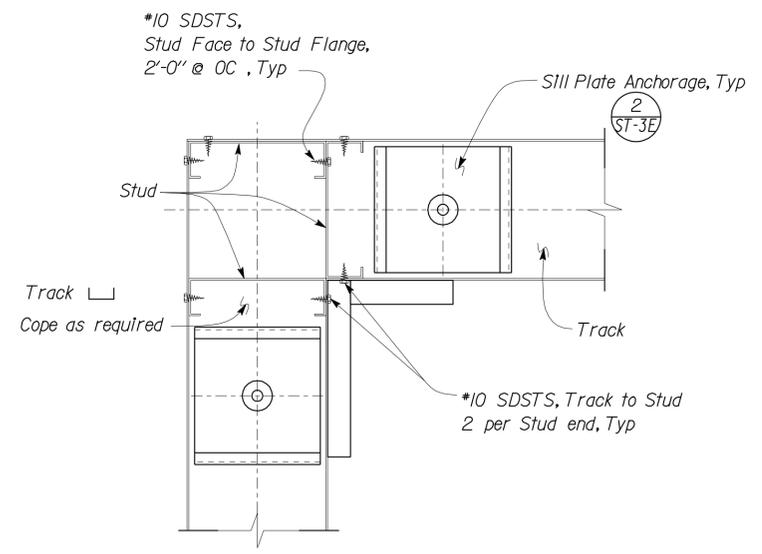


5 TOP PLATE CONNECTION
No Scale



- NOTES:**
1. All Clips shall be 14 ga hot dipped galvanized Steel.
 2. All Clips shall use *10 SDSTS as fasteners.
 - ☆ 3. Screws shall be centered in flanges, 5/8" minimum from ends, equally spaced, three SDSTS per flange minimum, unless otherwise shown.

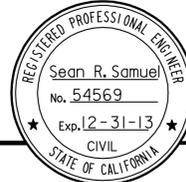
3 CLIP ANGLE TYPE A DETAILS
No Scale

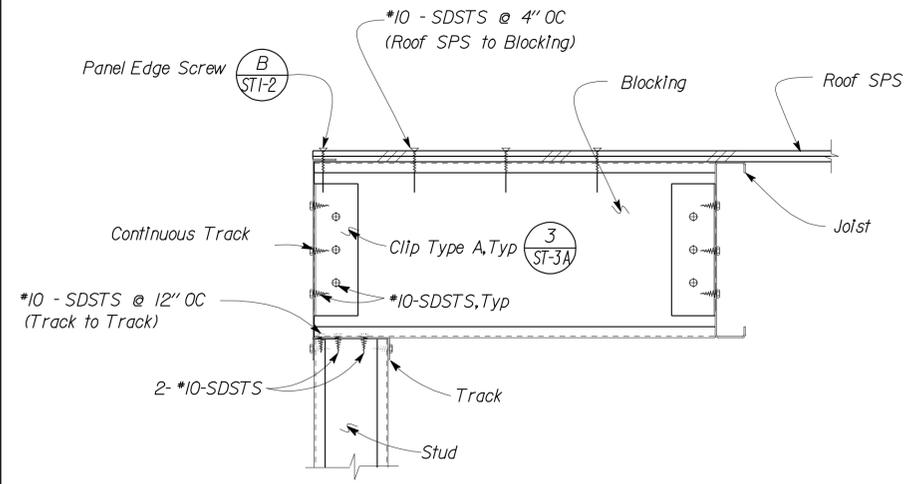


4 PARTITION CORNER CONNECTION
No Scale

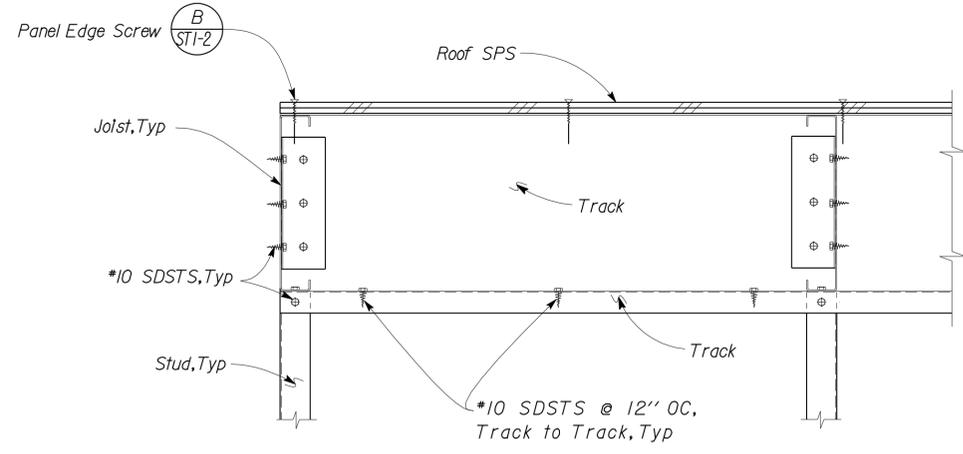
DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET ST-3A
	DETAILS	BY P. von Savoye			CHECKED Robert Du Plaine		
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES 09-19-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	38	93

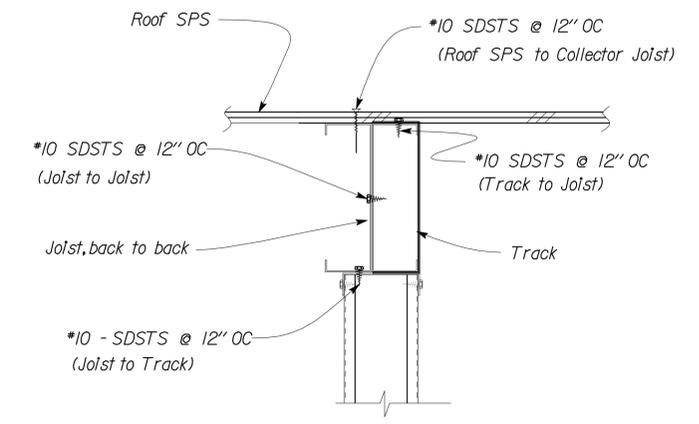
	12-06-11 DATE
3-26-12 PLANS APPROVAL DATE	
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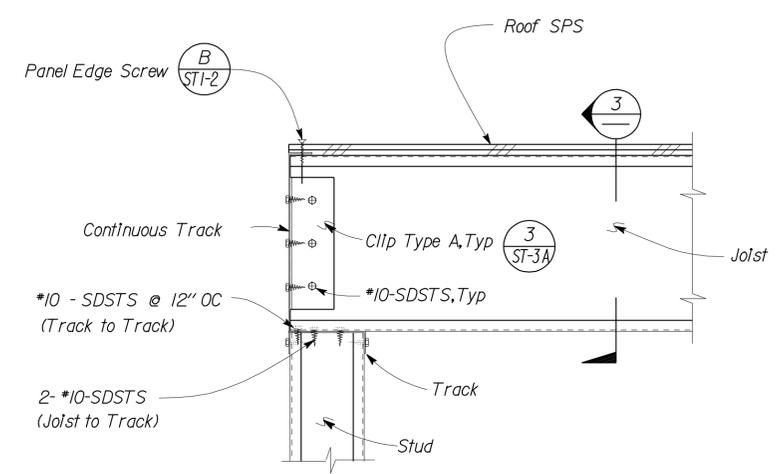
1 JOIST TO BLOCKING CONNECTION
No Scale



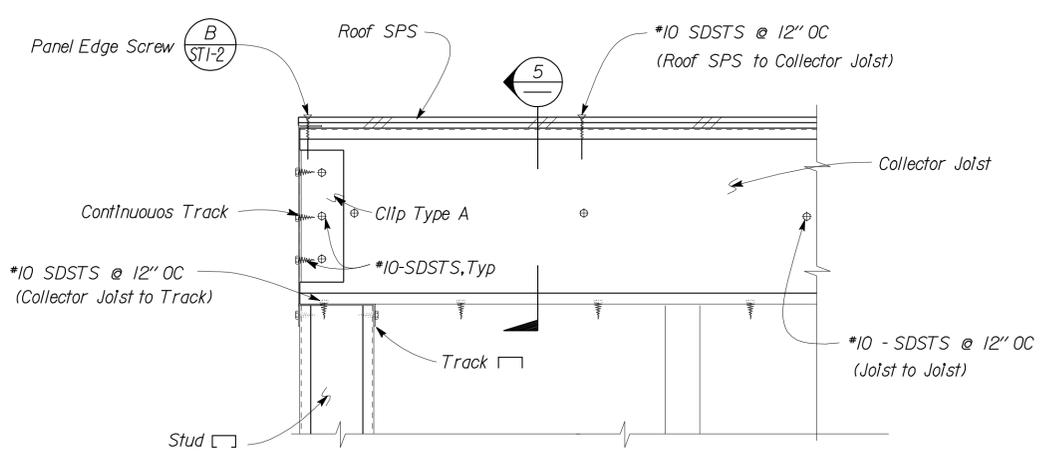
3 JOIST TRANSVERSE SECTION
No Scale



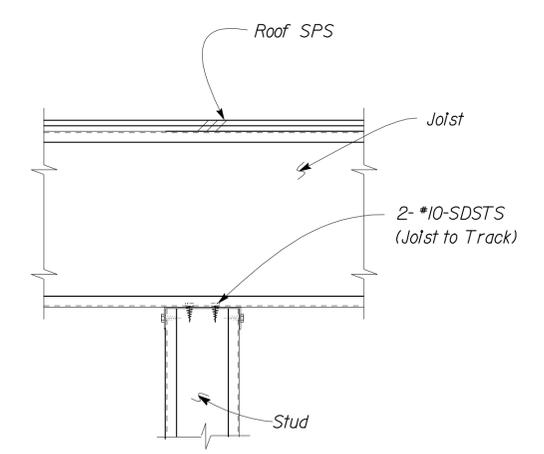
5 COLLECTOR JOIST DETAIL
No Scale



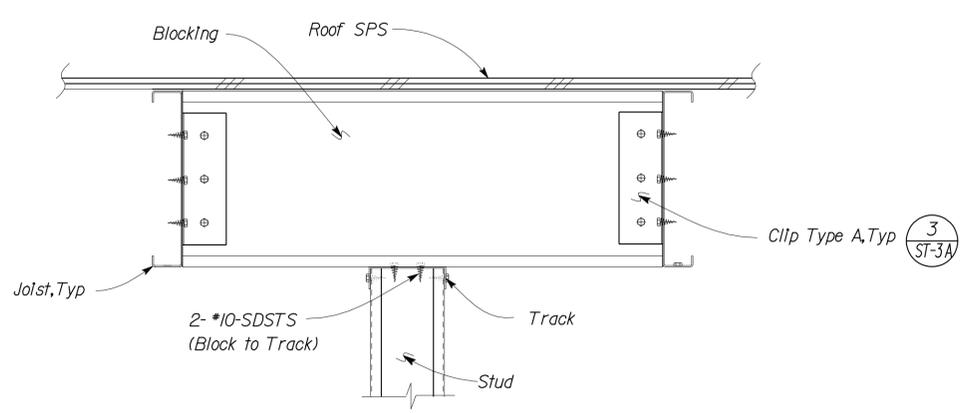
2 JOIST AT STUD CONNECTION
No Scale



4 COLLECTOR JOIST DETAIL
No Scale



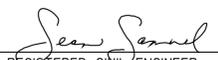
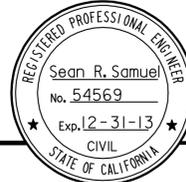
6 INTERIOR WALL CONNECTION DETAIL
No Scale



7 INTERIOR WALL CONNECTION DETAIL
No Scale

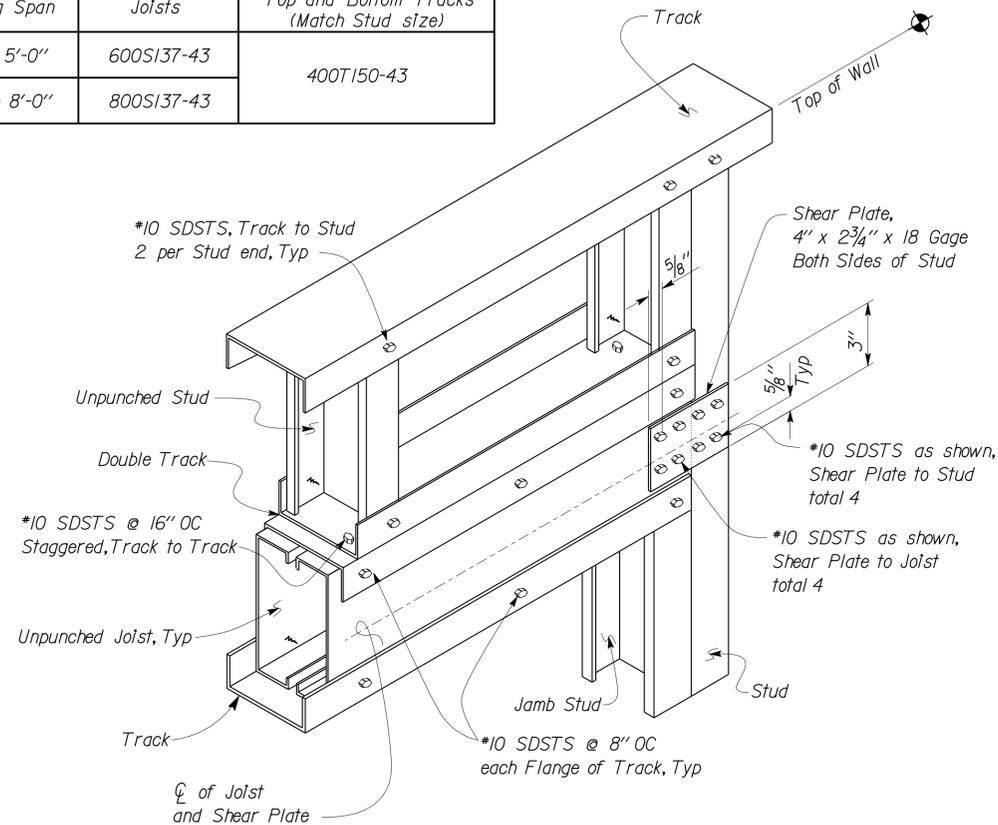
DESIGN BY Justin Uyehara CHECKED Robert Du Plaine DETAILS BY P. von Savoye CHECKED Robert Du Plaine QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET ST-3B
			POST MILE		
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES 09-19-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

23-MAR-2012 09:38

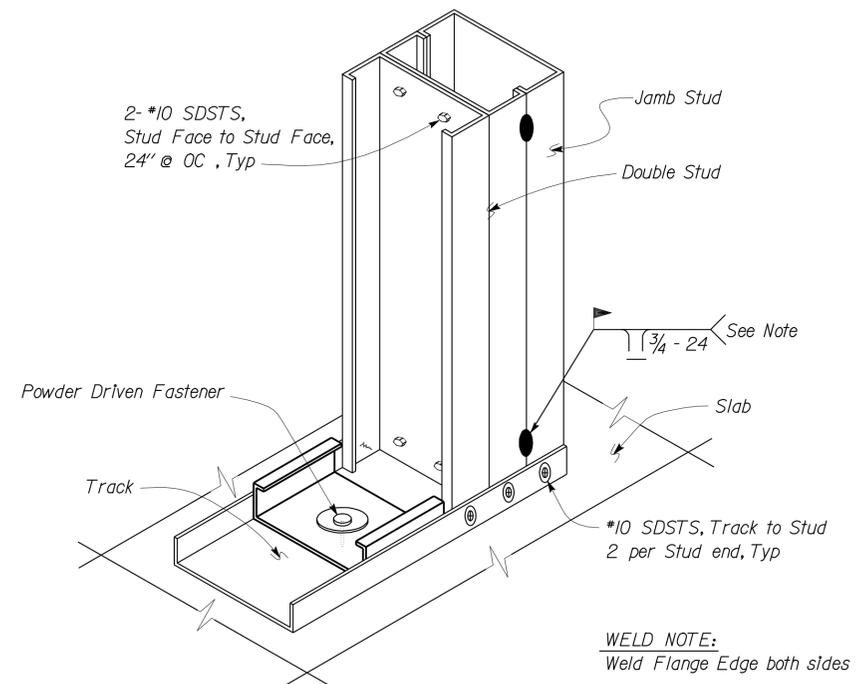
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	39	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
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COLD-FORM STEEL HEADER

Opening Span	Joists	Top and Bottom Tracks (Match Stud size)
Up to 5'-0"	600SI37-43	400T150-43
5'-0" to 8'-0"	800SI37-43	



1 **HEADER DETAIL**
No Scale



2 **DOUBLE STUD WITH JAMB STUD DETAIL**
No Scale

DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Robert Du Plaine
QUANTITIES	BY	CHECKED

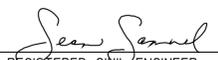
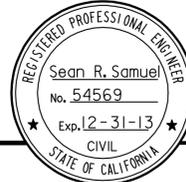
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

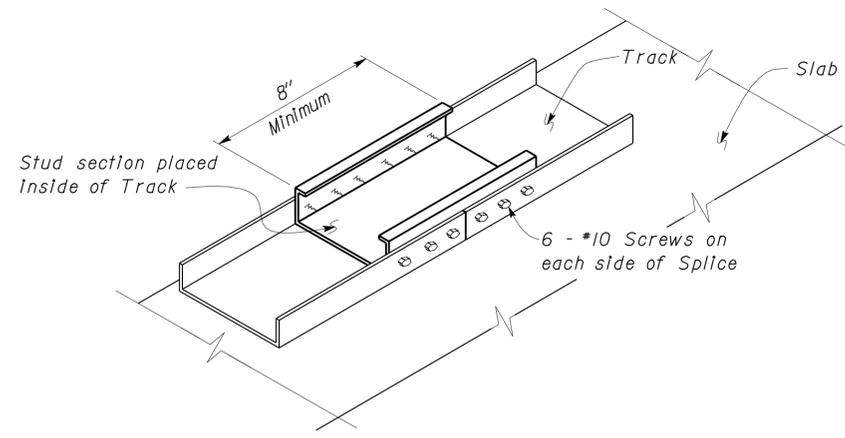
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
48M5710
POST MILE

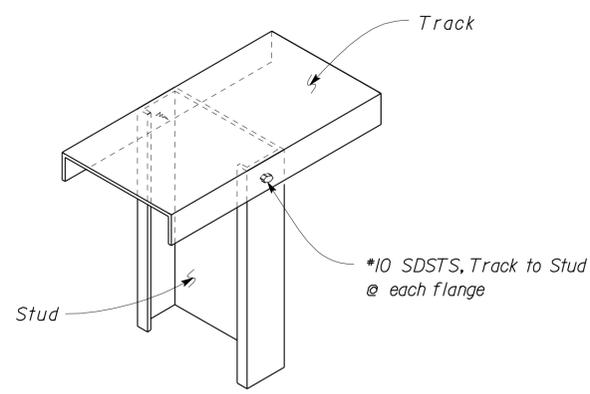
LEE VINING MAINTENANCE STATION
MECHANICS FACILITY
COLD FORM STEEL STUD WALL DETAILS

SHEET
ST-3C

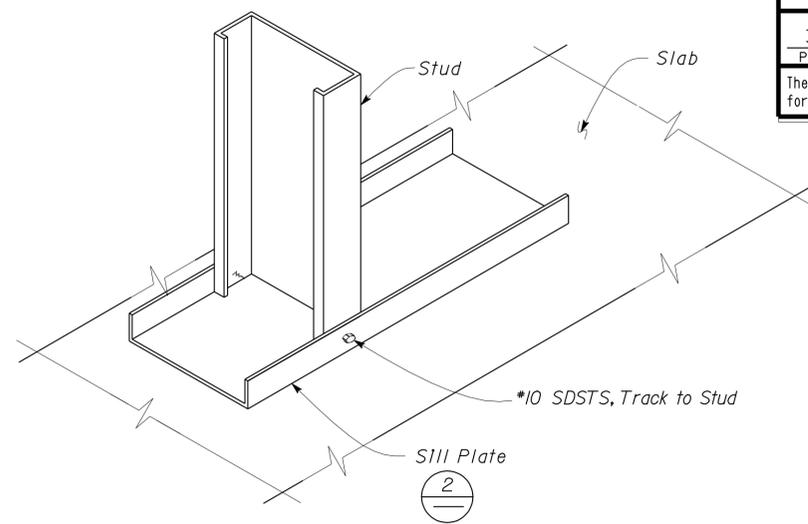
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09	Mno	395	51.5	40	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
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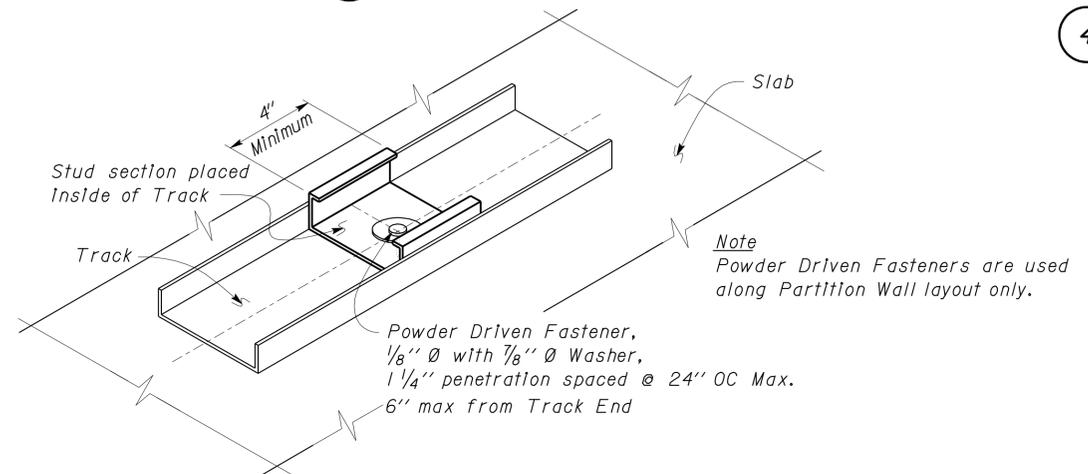
1 FLOOR TRACK SPLICE
No Scale



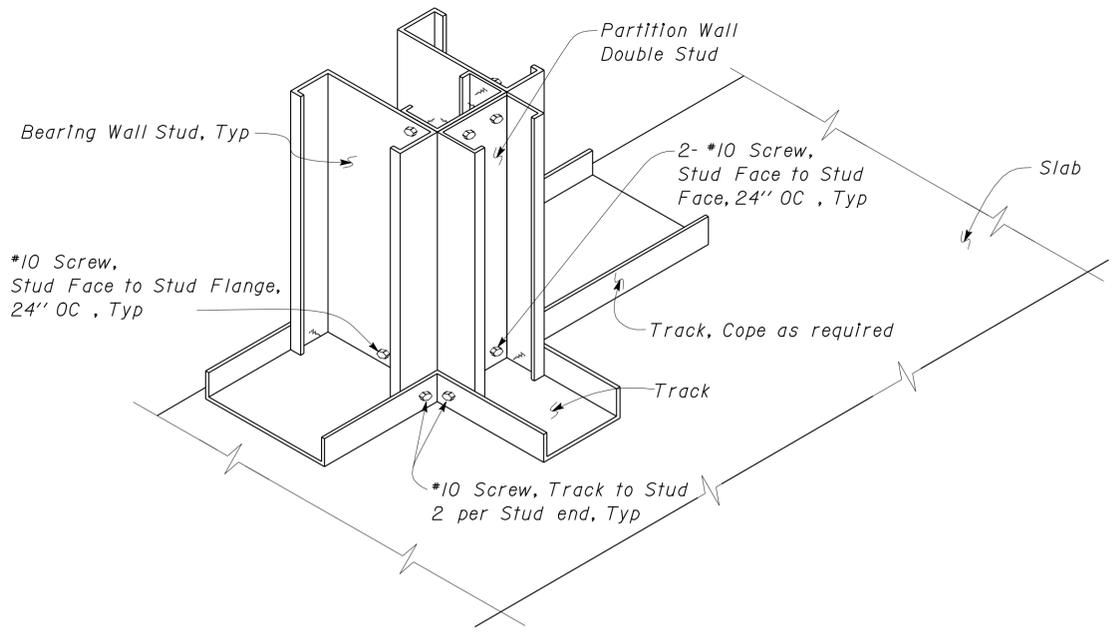
4 STUD TO TRACK
No Scale



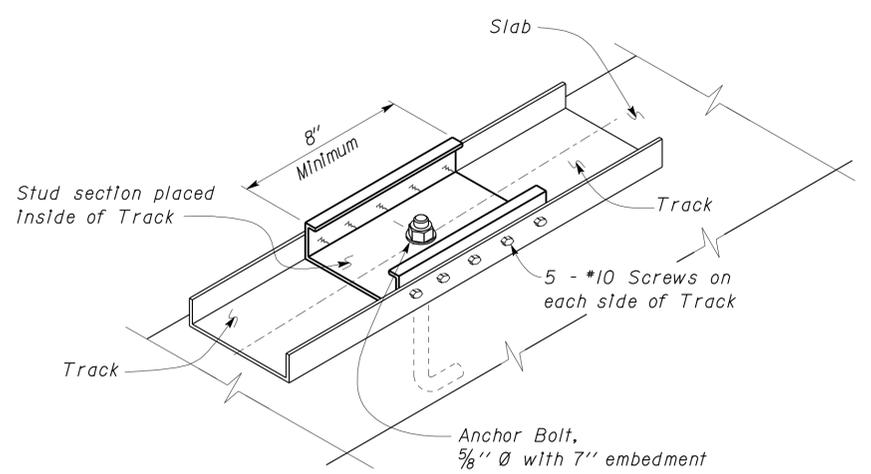
6 STUD TO SILL PLATE
No Scale



2 NON BEARING/SHEAR WALL ANCHORAGE
No Scale

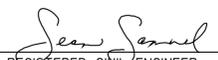
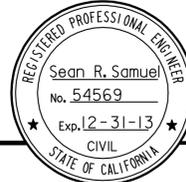


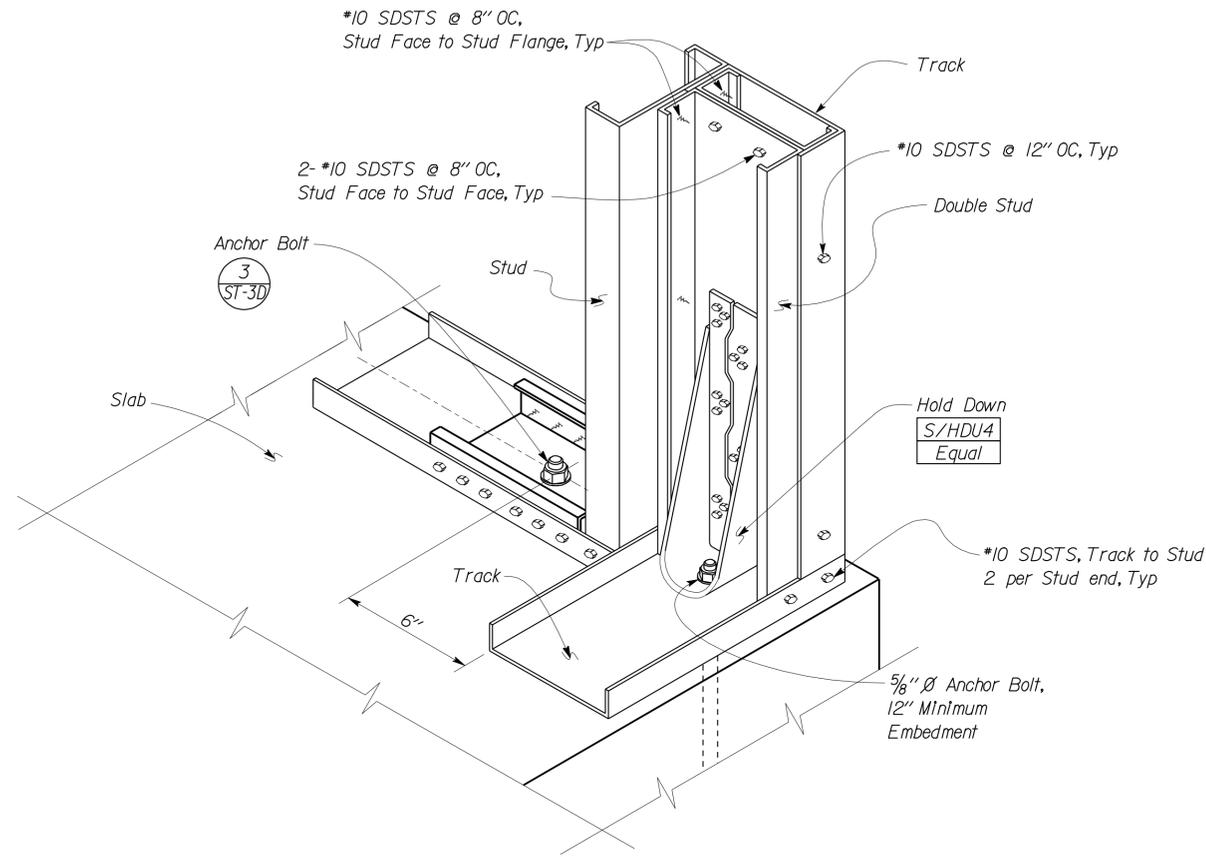
5 WALL INTERSECTION DETAIL
No Scale



3 EXTERIOR WALL TRACK ANCHORAGE
No Scale

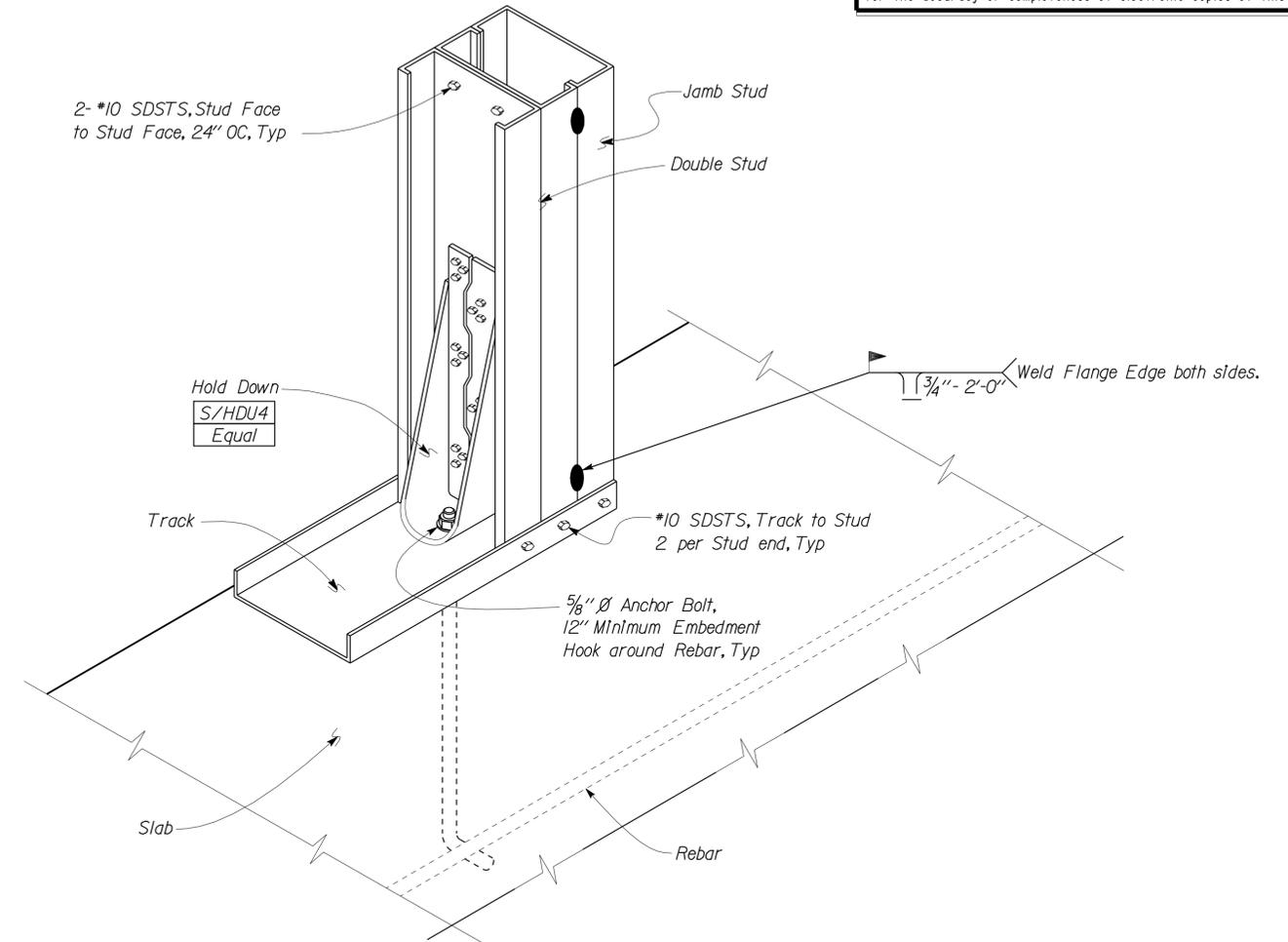
DESIGN	BY	Justin Uyehara	CHECKED	Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET ST-3D
	DETAILS	BY	P. von Savoye	CHECKED			Robert Du Plaine	POST MILE		
QUANTITIES	BY		CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEWW Imperial Rev. 7/10 0 1 2 3 09-19-11 D:\user\Projects\Dist_09\09000200991_Lee_Vining_Mechanics_Facility\expedite\st_03D.dgn										

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	41	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
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1 WALL ANCHOR AT CORNER
No Scale

NOTES
Wall SPS and Slab Reinforcement not shown for clarity



2 WALL ANCHOR DETAIL
No Scale

NOTES
Wall SPS and Slab Reinforcement not shown for clarity

DESIGN	BY	Justin Uyehara	CHECKED	Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST-3E
	DETAILS	BY	P. von Savoye	CHECKED			Robert Du Plaine	48M5710	COLD FORM STEEL HOLDOWN DETAILS	
QUANTITIES	BY		CHECKED		UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET
TAEMWW Imperial Rev. 7/10					PROJECT NUMBER & PHASE	09000200991	09-19-11			OF
					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3				
					EA					

23-MAR-2012 11:15

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PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2007 California Building Code.

PRE-ENGINEERED FRAME AND CANOPY LOADS

SEISMIC: Occupancy Category = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 1.780$ $S_{DS} = 1.190$
 $S_I = 0.620$ $S_{DI} = 0.620$
 Seismic Design Category = D

Seismic Force Resisting System:

Ordinary steel moment resisting frames

$R = 3.50$ $C_S = 0.3390$

Ordinary steel concentrically braced frames

$R = 3.25$ $C_S = 0.3651$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 110 mph
 Exposure C
 Internal Pressure Coefficient $GC_{PI} = \pm 0.18$

LIVE LOAD: Roof = 20 psf

SNOW LOAD: $C_e = .9$ $C_t = 1.1$ $I = 1.0$
 $P_G = 155$ psf
 $P_F = 120$ psf

OFFICE LOADS

OFFICE SEISMIC: Occupancy Category = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 1.780$ $S_{DS} = 1.190$
 $S_I = 0.620$ $S_{DI} = 0.62$
 Seismic Design Category = D

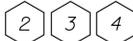
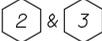
Seismic Force-Resisting System:

Light-framed walls sheathed with wood structural panels

$R = 6.50$ $C_S = 0.1826$

LIVE LOAD: Floor/Loft = 20 psf

PRE-ENGINEERED BUILDING DESIGN NOTES

- The building shall be designed for all loads as required by the 2007 California Building Code.
- Rigid frames shall be provided at gridlines 
- Rigid frames shall be provided at gridlines  between gridlines 
- Collateral Loads shall include:
 - Wall and Ceiling Light Fixtures.
 - Over Head Doors
 - Roof Exhaust Fan of 200 lbs. in 1 location.
 - Exhaust Evacuation of 200 lbs. in 1 location.
 - Lube Reel of 1500 lbs. in 1 location.
- Dead Load for insulated roof panels shall be calculated as 3.0 psf.
- Maximum Roof Purlin spacing shall be 2.5' OC.
- Provide Framing for all Wall and Roof Penetrations, Electrical Fixtures, Doors, and Framing Plans shall be submitted for approval prior to installation.
- Girts shall be exterior type.
- Deflection criteria: Story Drift = $H/120$
 Framing Members = $L/180 (D \cdot L)$
- The foundation design is subject to modification based upon the requirements of the building design. Construct foundation after approval of pre-engineered building submittal.

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):
 $f'_c = 3,000$ psi
 $f_y = 60,000$ psi

FOUNDATION:
 Soils report dated : Aug 12, 2011
 Allowable Soil Pressure (DL + LL) : = 2,000 psf

For Soil Classification, see Log of Test Boring Sheets.

STRUCTURAL STEEL: (Allowable Strength Design):
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 50$ ksi
 Plates $F_y = 50$ ksi
 Hollow Structural Steel (HSS) $F_y = 46$ ksi

COLD FORMED STEEL: shall be $F_y = 33$ ksi

DETAIL NOTES

- For Concrete see: "Concrete Standard"
- For Cold Form Steel see:  through 
- All bolts shall be hex head machine bolts, with hex head nuts; unless otherwise noted.
- All lock washers shall be helical spring lock washers.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	42	93

12-06-11 DATE
 REGISTERED CIVIL ENGINEER
 Sean R. Samuel
 No. 54569
 Exp. 12-31-13
 CIVIL
 STATE OF CALIFORNIA

3-26-12
 PLANS APPROVAL DATE

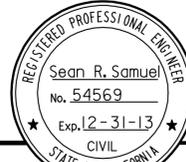
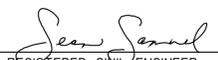
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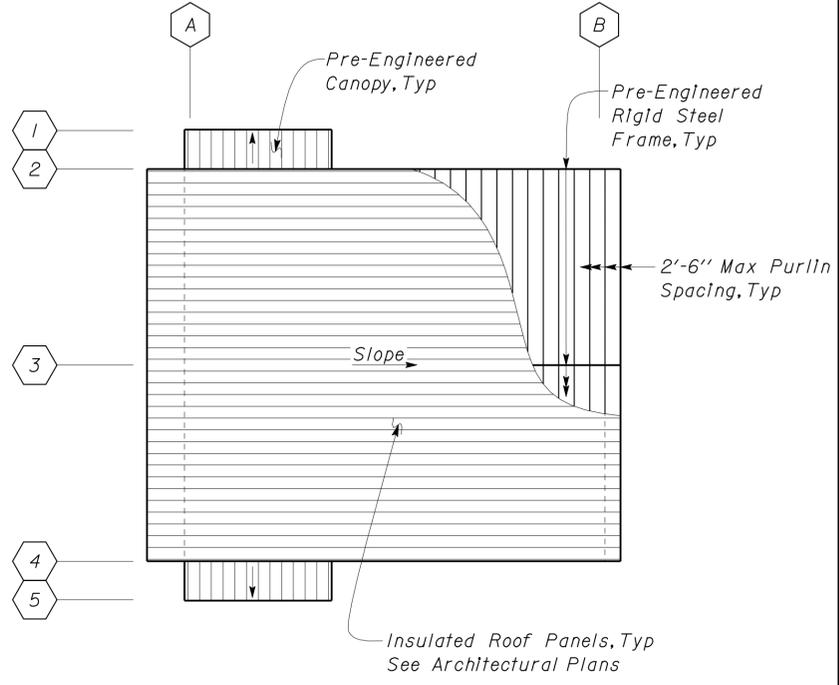
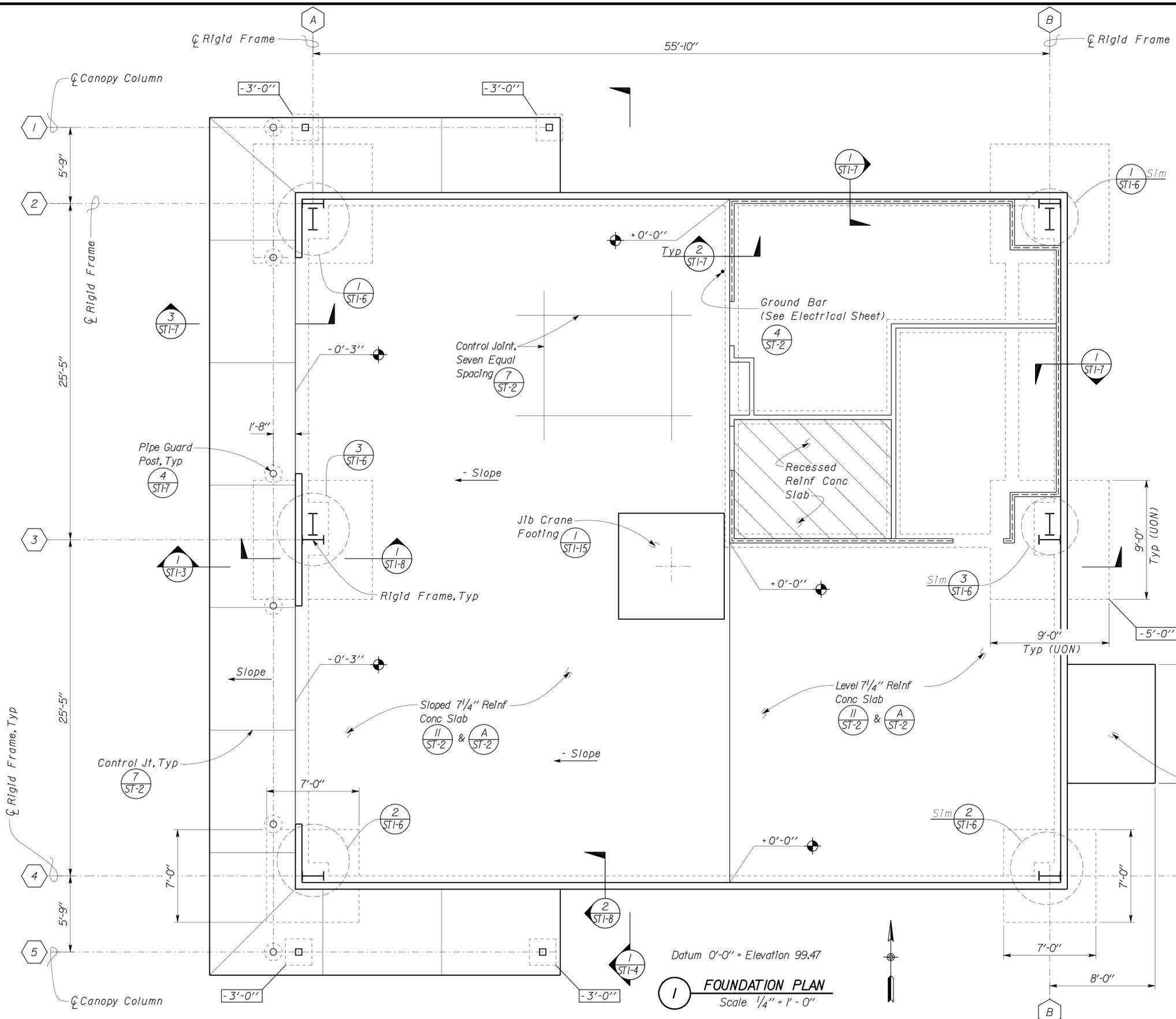
A LIGHT GAGE STEEL SECTIONS NOTES

LOCATION	ITEM	SECTION
Walls	Stud	400S162-43
	Track	400T150-43
	Blocking	400S162-43
Roof	Header	600S137-43
	Joist	800S250-68
	Track	800T150-68
	Blocking	800S250-68

- NOTES:**
- Section designations shall conform to the Steel Stud Manufacturer's Association Identification codes.
 - Sections shall conform to ICBO ER 4943P.
 - Screws to connect Wall OSB to light gauge steel shall be #10 x 1" SDSTS with a minimum of 5/16" head Ø. Screw Spacing shall be:
 6" @ all OSB panel edges,
 6" @ all boundary members
 12" @ all intermediate panel locations.
 - Studs shall not be spliced
 - All screws shall be ICBO Approved
 - Minimum of 3 Screw Threads shall protrude through framing members
 - Wall studs shall be located directly below roof joists.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	43	93

	
 REGISTERED CIVIL ENGINEER	12-06-11 DATE
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1 FOUNDATION PLAN
Scale 1/4" = 1'-0"

2 ROOF PLAN
No Scale

DESIGN BY Justin Uyehara CHECKED Robert Du Plaine DETAILS BY P. von Savoye CHECKED Robert Du Plaine QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-1
			POST MILE	MECHANICS BUILDING	FOUNDATION PLAN	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

TAEMWW Imperial Rev. 7/10

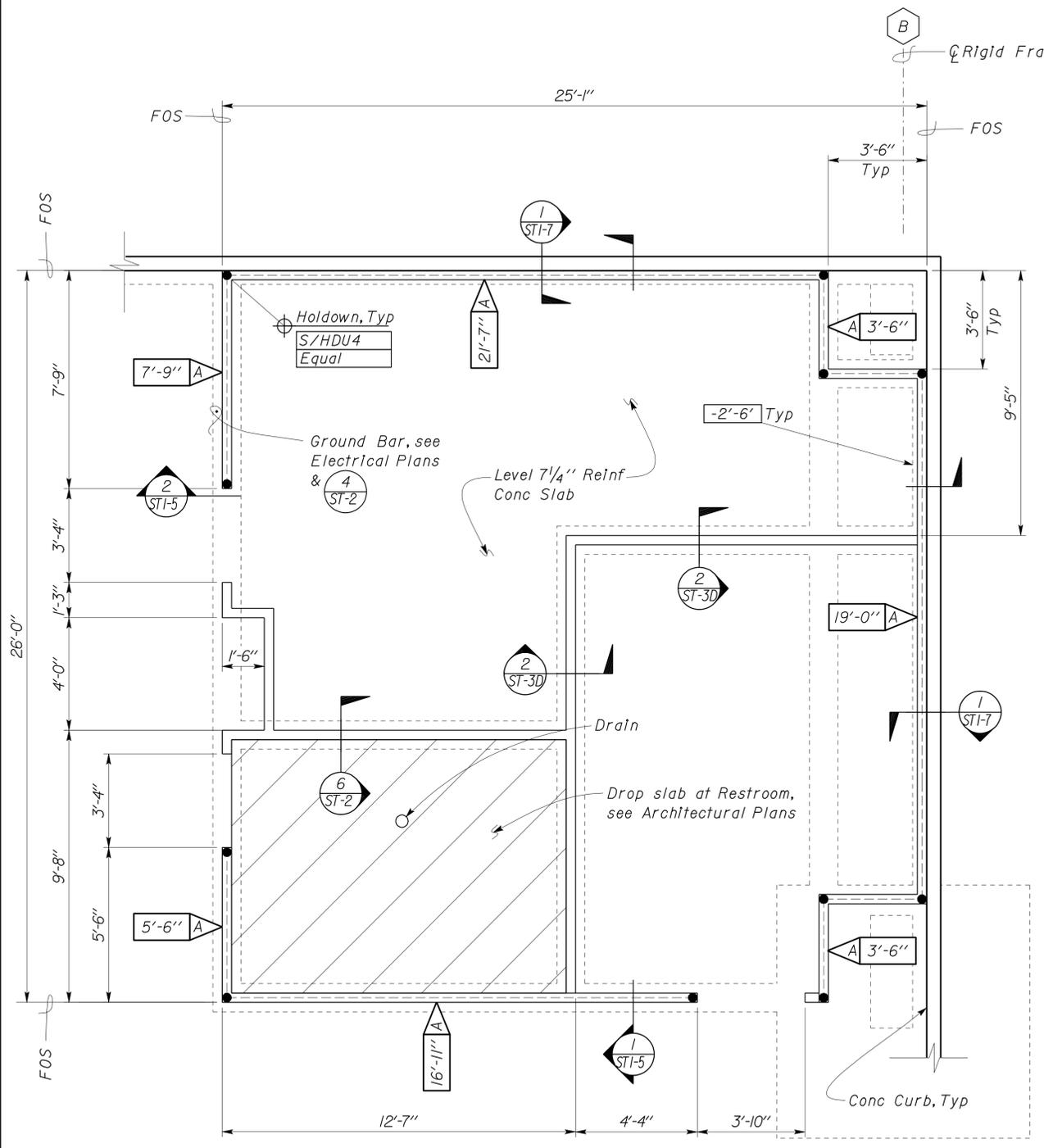
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	44	93

Sean Samuel
 REGISTERED CIVIL ENGINEER
 DATE 12-06-11

3-26-12
 PLANS APPROVAL DATE

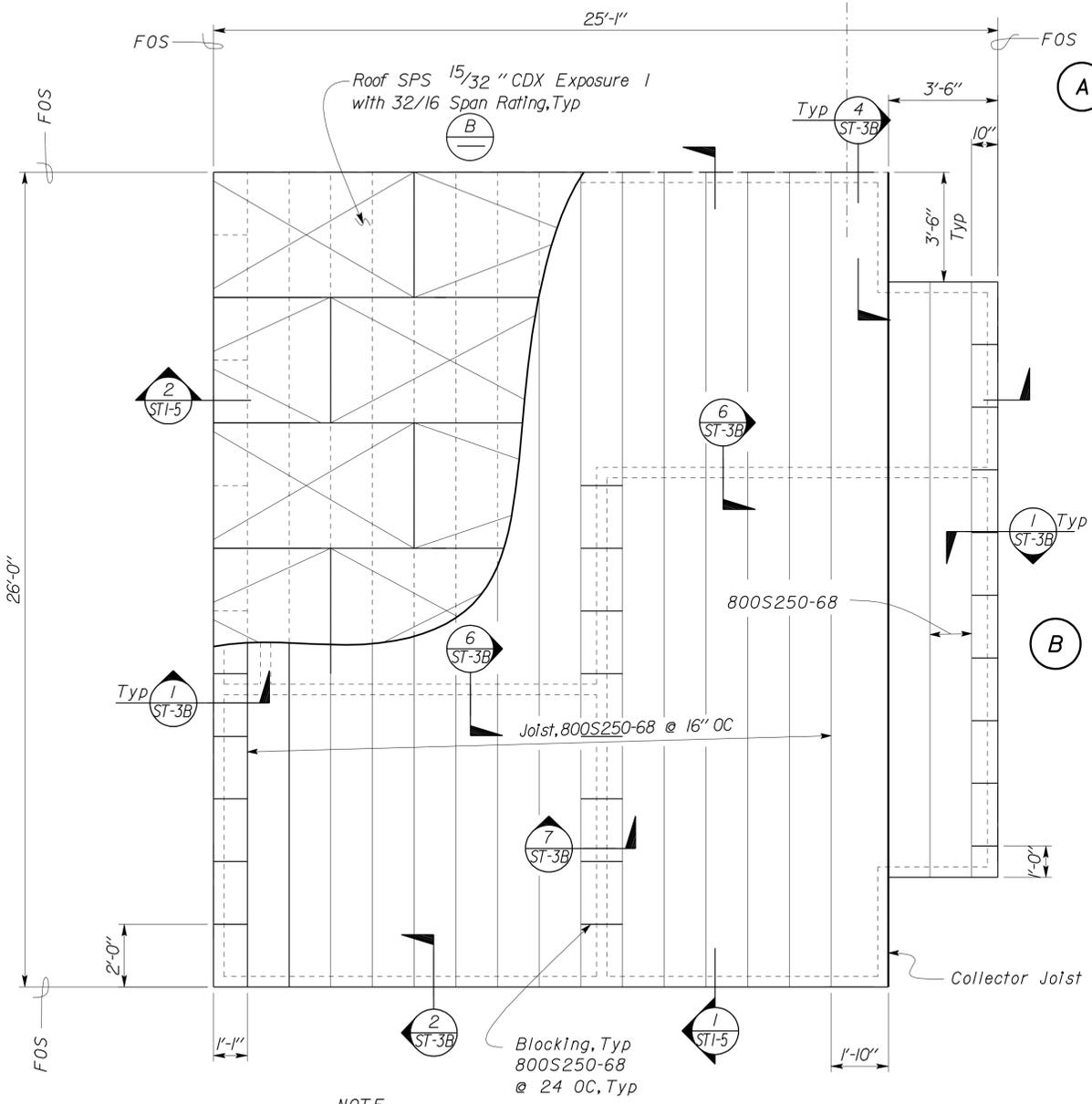
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REGISTERED PROFESSIONAL ENGINEER
 Sean R. Samuel
 No. 54569
 Exp. 12-31-13
 CIVIL
 STATE OF CALIFORNIA



NOTE:
 Pre-Engineered Building not shown for clarity.

1 PARTIAL FOUNDATION PLAN
 Scale 3/8" = 1' - 0"



NOTE:
 Pre-Engineered Building not shown for clarity.

2 PARTIAL ROOF PLAN
 Scale 3/8" = 1' - 0"

A SHEARWALL TABLE

Shear Wall	Screw Schedule		Holddown
	Edge Screw	Field Screw	
A	*10 SDSTS @ 6"	*10 SDSTS @ 12"	S/HDU4 Equal

- SHEARWALL TABLE NOTES**
- Anchor Bolts shall be 5/8" ϕ with 7" embedment in Concrete measured from top Reinforced Concrete Slab @ 48" OC. 3 ST-3D
 - 7/16" OSB typical at shearwalls.
 - Holddown Bolts shall be 5/8" ϕ with 12" embedment in Concrete measured from top Reinforced Concrete Slab at locations shown. 1 ST-3E

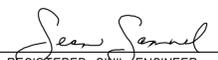
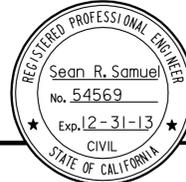
B ROOF SPS FASTENER SCHEDULE

LOCATION	SCREWS
Panel Edges	*10 SDSTS @ 6" Staggered
Field	*10 SDSTS @ 12"

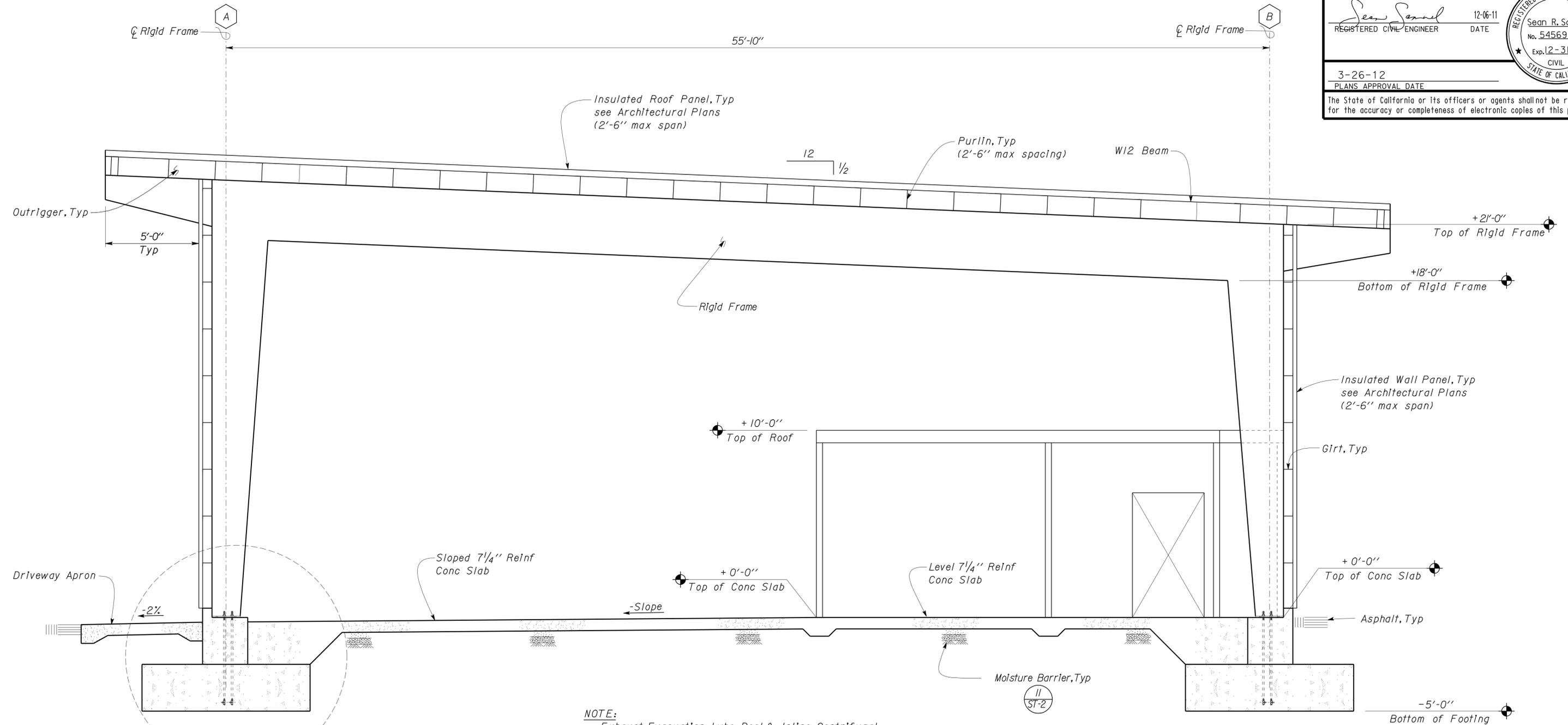
DESIGN BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-2
DETAILS BY P. von Savoye	CHECKED Robert Du Plaine		PROJECT NUMBER & PHASE 3599 09000200991	POST MILE	MECHANICS BUILDING	ROOF FRAMING PLAN	OF
QUANTITIES	CHECKED		UNIT PROJECT NUMBER & PHASE 3599 09000200991	EA	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	03-26-11

TAEMWW Imperial Rev. 7/10
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 23-MAR-2012 12:25
 D:\user\Projects\09\09000200991_Lee_Vining_Mechanics_Facility\expd\1fe\st1_02.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	45	93

 REGISTERED CIVIL ENGINEER	12-06-11 DATE	
3-26-12 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.

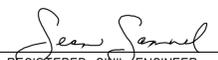
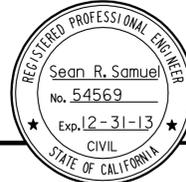


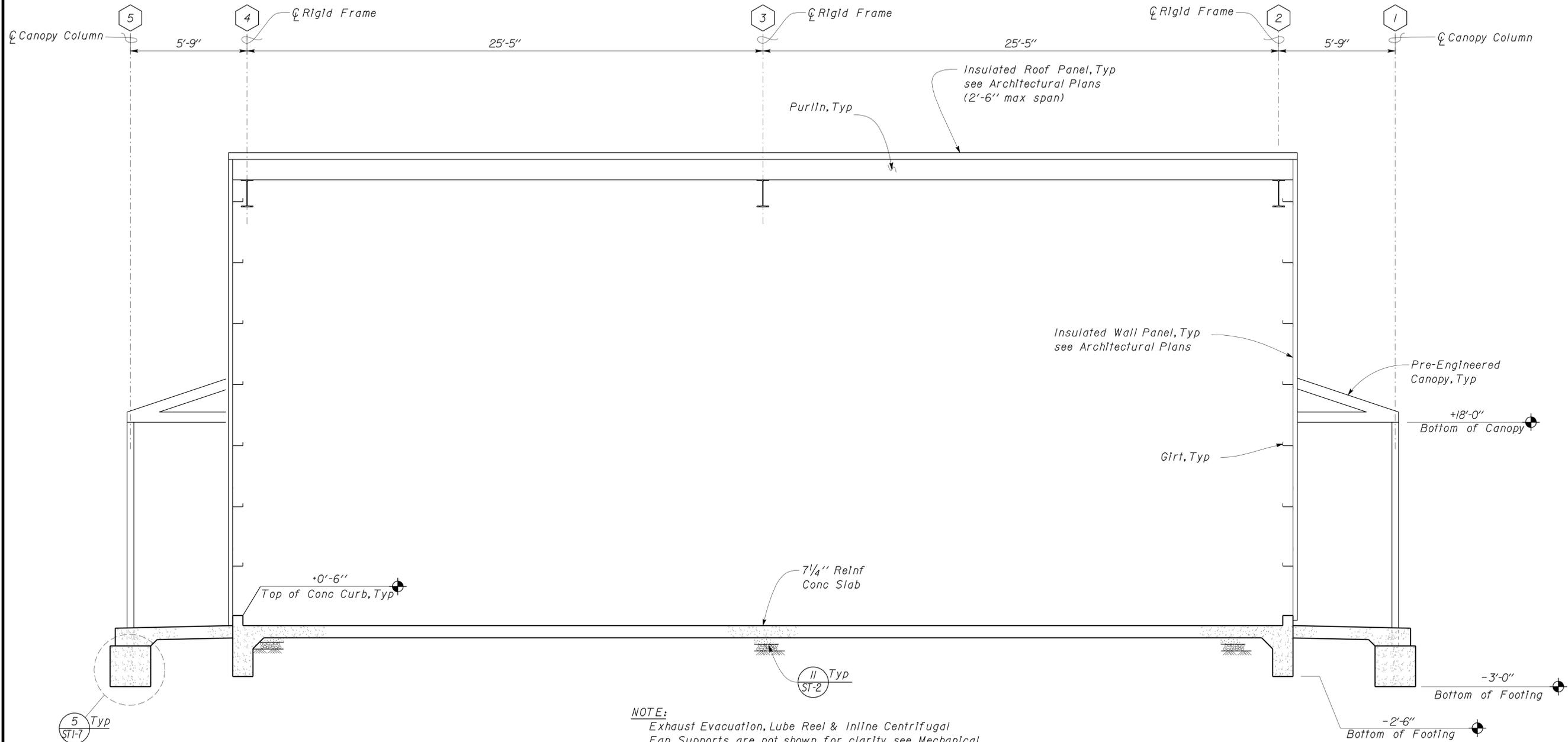
1 RIGID FRAME SECTION
 Scale 3/8" = 1' - 0"

TAEMWW Imperial Rev. 7/10	DESIGN BY Justin Uyehara CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET OF ST1-3
	DETAILS BY P. von Savoye CHECKED Robert Du Plaine			POST MILE	MECHANICS BUILDING	BUILDING SECTION	
	QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 09000200991 EA	DISREGARD PRINTS BEARING EARLIER REVISION DATES 09-23-11	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

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23-MAR-2012 12:25

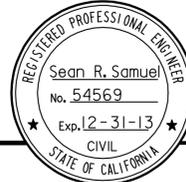
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	46	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

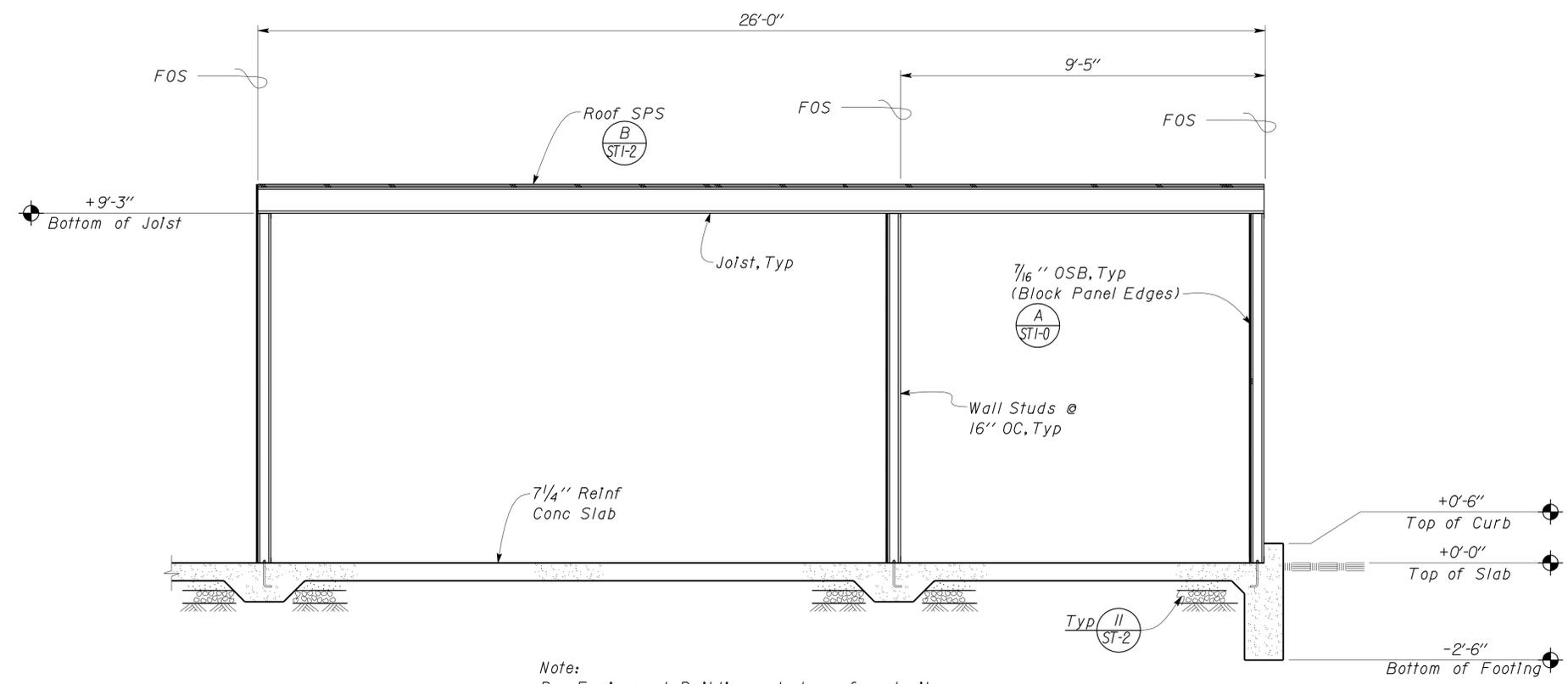


1 BUILDING SECTION
 Scale 3/8" = 1'-0"

DESIGN BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-4
				POST MILE	MECHANICS BUILDING	BUILDING SECTION	
DETAILS BY P. von Savoye	CHECKED Robert Du Plaine	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 03-23-11		REVISION DATES (PRELIMINARY STAGE ONLY)	
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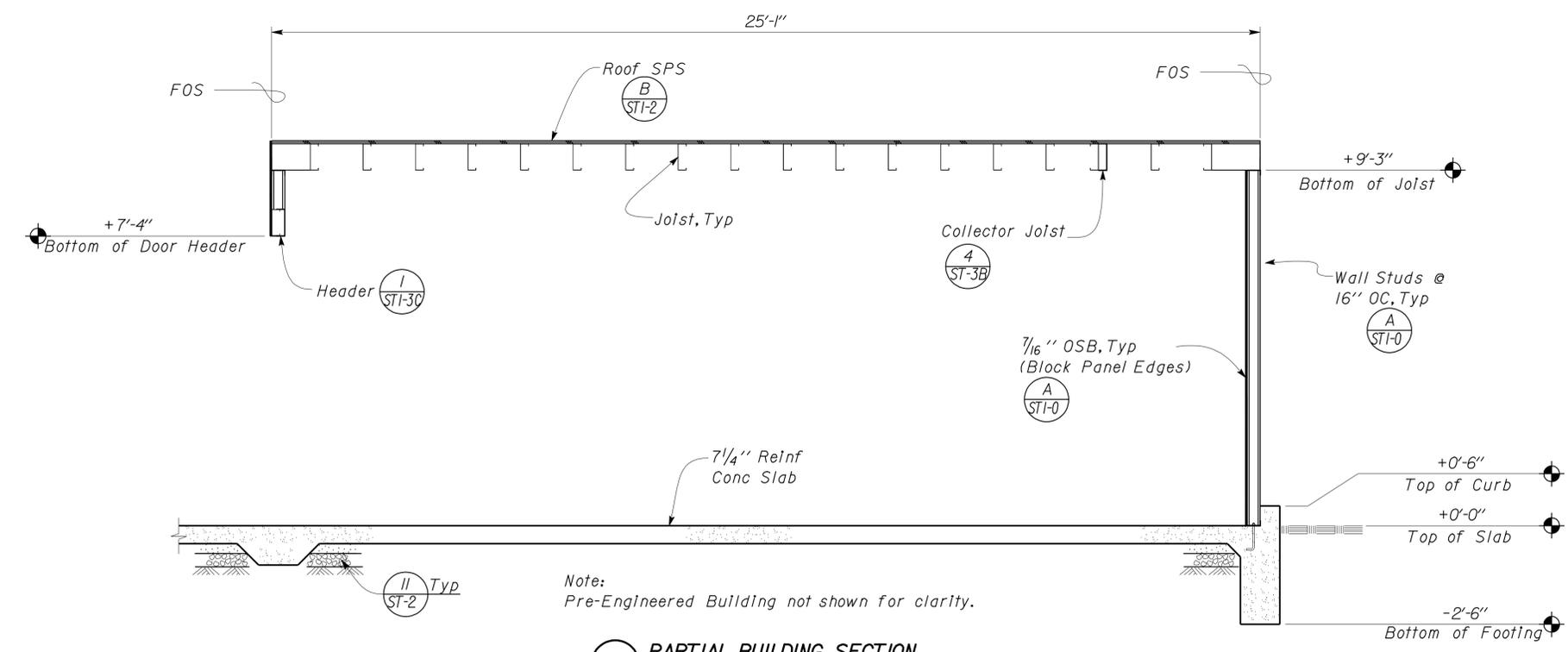
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	47	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



Note:
Pre-Engineered Building not shown for clarity.

1 PARTIAL BUILDING SECTION
Scale 1/2" = 1'-0"



Note:
Pre-Engineered Building not shown for clarity.

2 PARTIAL BUILDING SECTION
Scale 1/2" = 1'-0"

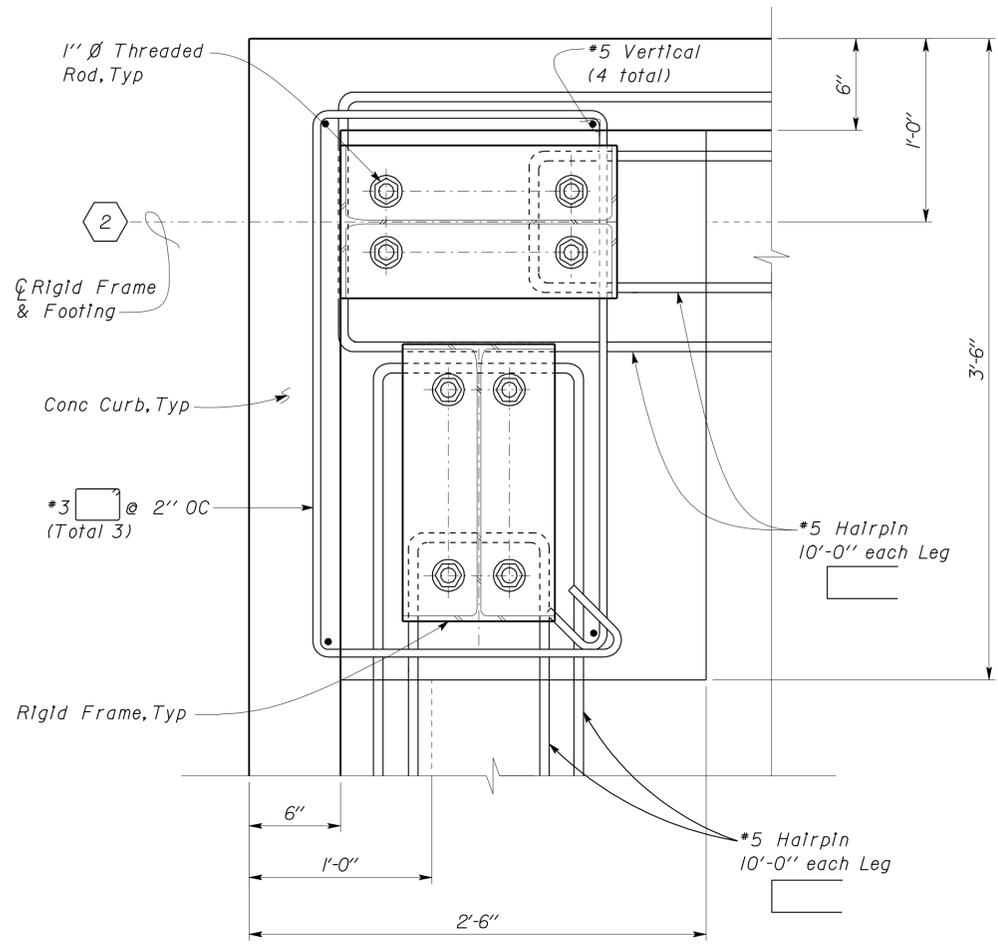
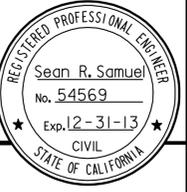
DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-5
	DETAILS	BY P. von Savoye			CHECKED Robert Du Plaine	POST MILE	MECHANICS BUILDING	
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
			0 1 2 3	EA	09-23-11			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	48	93

<i>Sean Samuel</i> REGISTERED CIVIL ENGINEER	12-06-11 DATE
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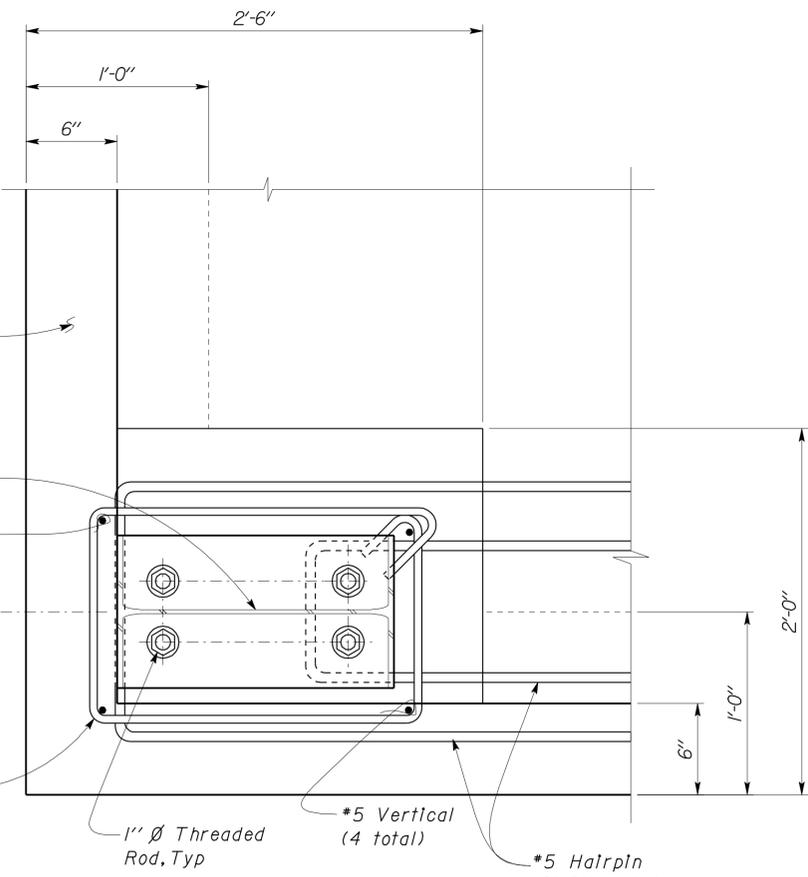
3-26-12 PLANS APPROVAL DATE

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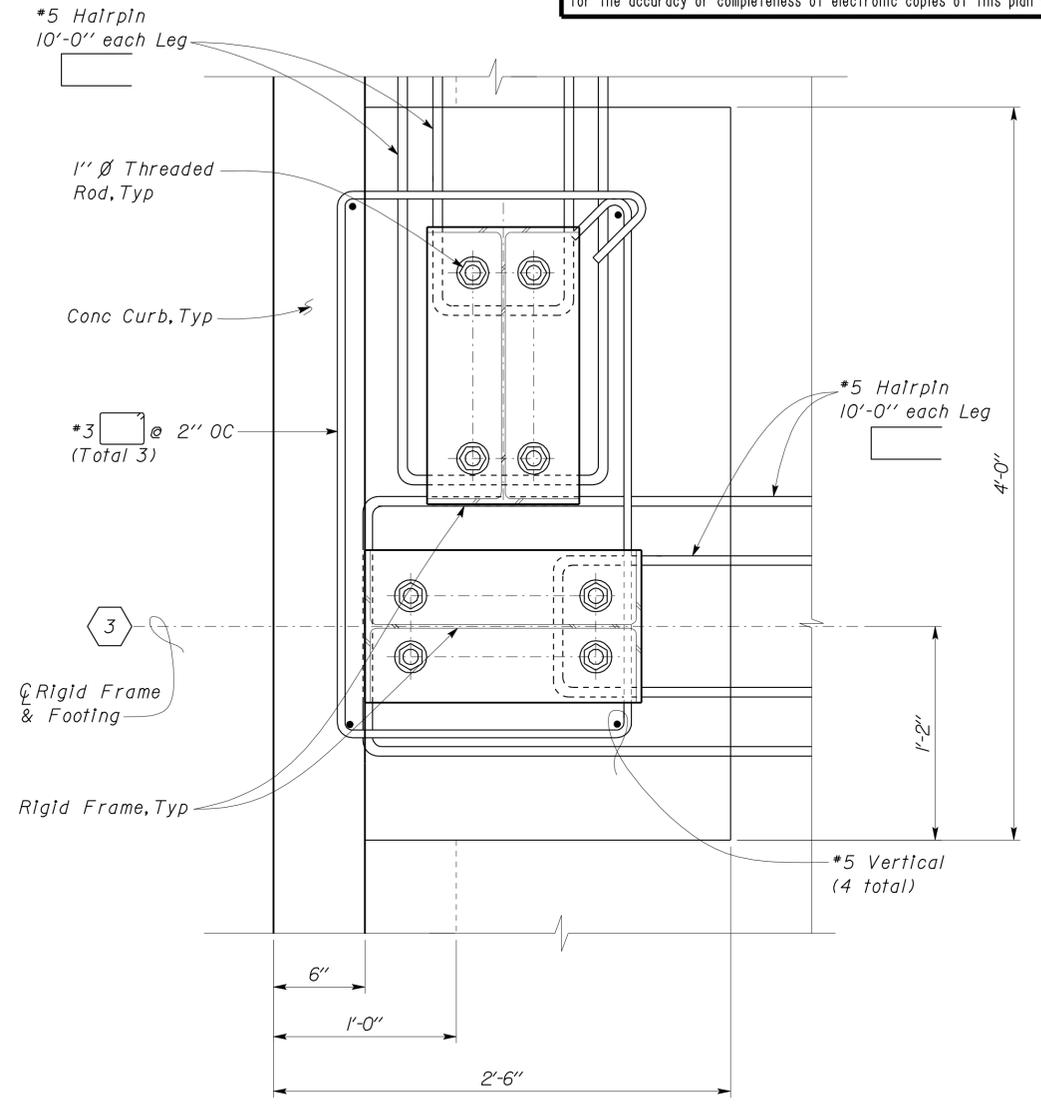
Note:
For details not shown see $\frac{1}{ST1-8}$

1 FOUNDATION DETAIL
Scale 2" = 1'-0"



Note:
For details not shown see $\frac{1}{ST1-8}$

2 FOUNDATION DETAIL
Scale 2" = 1'-0"



Note:
For details not shown see $\frac{1}{ST1-8}$

3 FOUNDATION DETAIL
Scale 2" = 1'-0"

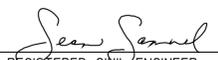
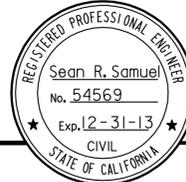
DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Robert Du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

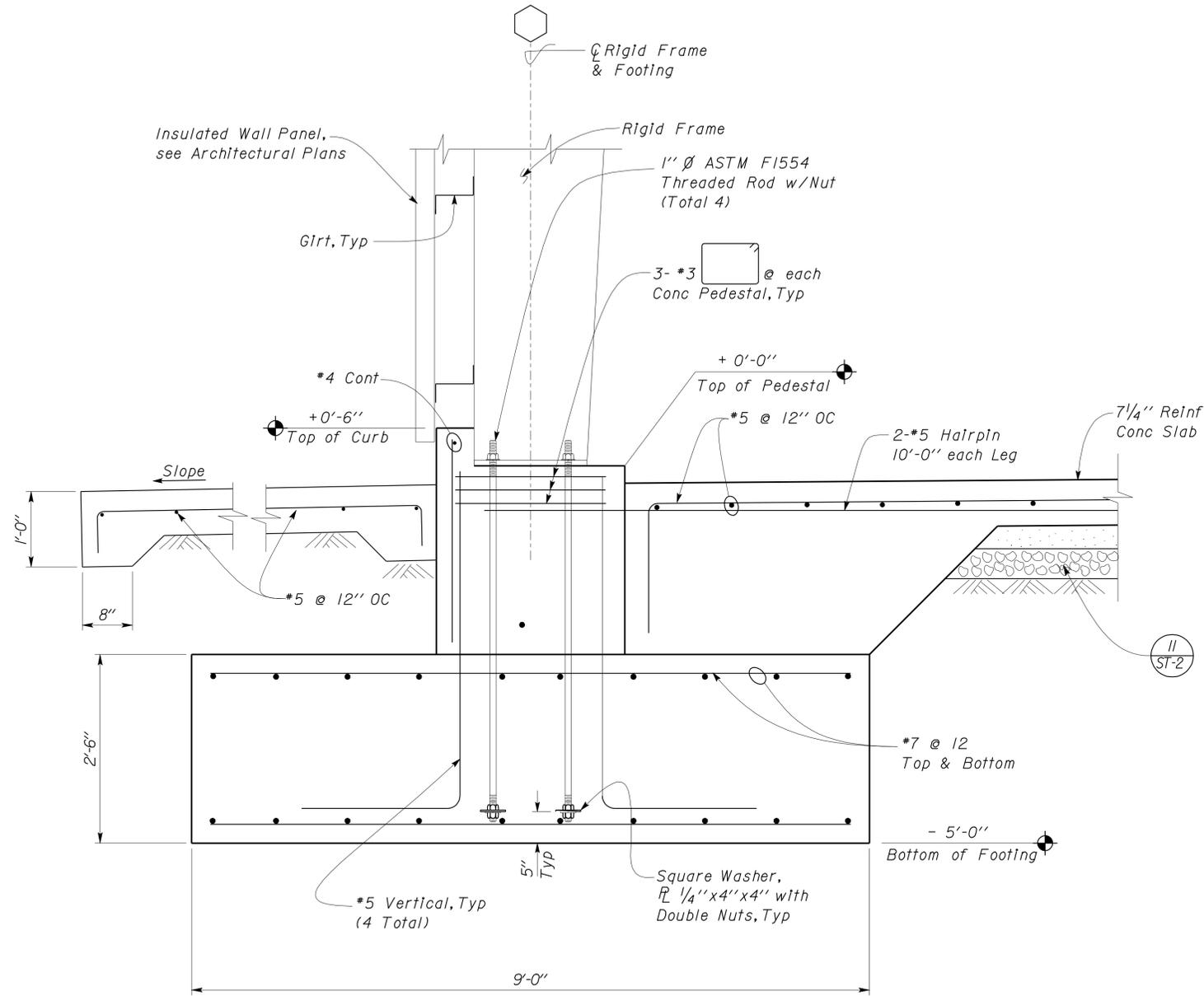
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS BUILDING	FOUNDATION DETAILS	SHEET OF ST1-6
POST MILE			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	50	93

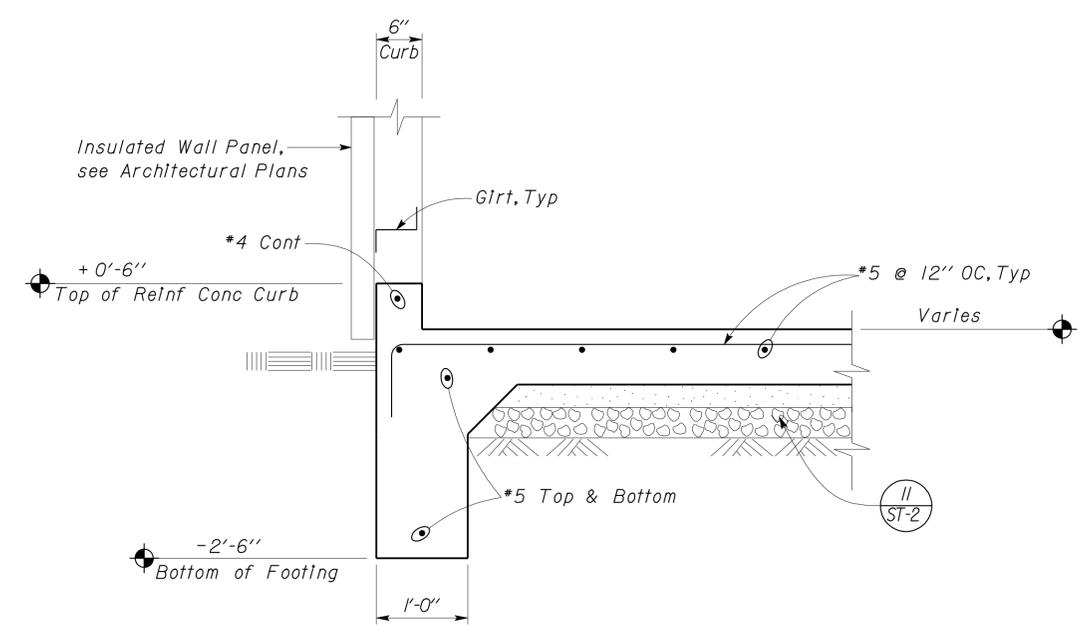
 REGISTERED CIVIL ENGINEER	12-06-11 DATE	
3-26-12 PLANS APPROVAL DATE		

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NOTE:
Shown 9'-0" Footing, 7'-0" Footing similar, see (1) for locations.

1 FRAME FOOTING DETAIL
Scale 1" = 1'-0"



NOTE:
See (1) for location of Walkways & Driveways not shown.

2 FOOTING DETAIL
Scale 1" = 1'-0"

DESIGN BY Justin Uyehara CHECKED BY Robert Du Plaine DETAILS BY P. von Savoy CHECKED BY Robert Du Plaine QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-8
			POST MILE	MECHANICS BUILDING	FOUNDATION DETAILS	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES 03-26-11	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	

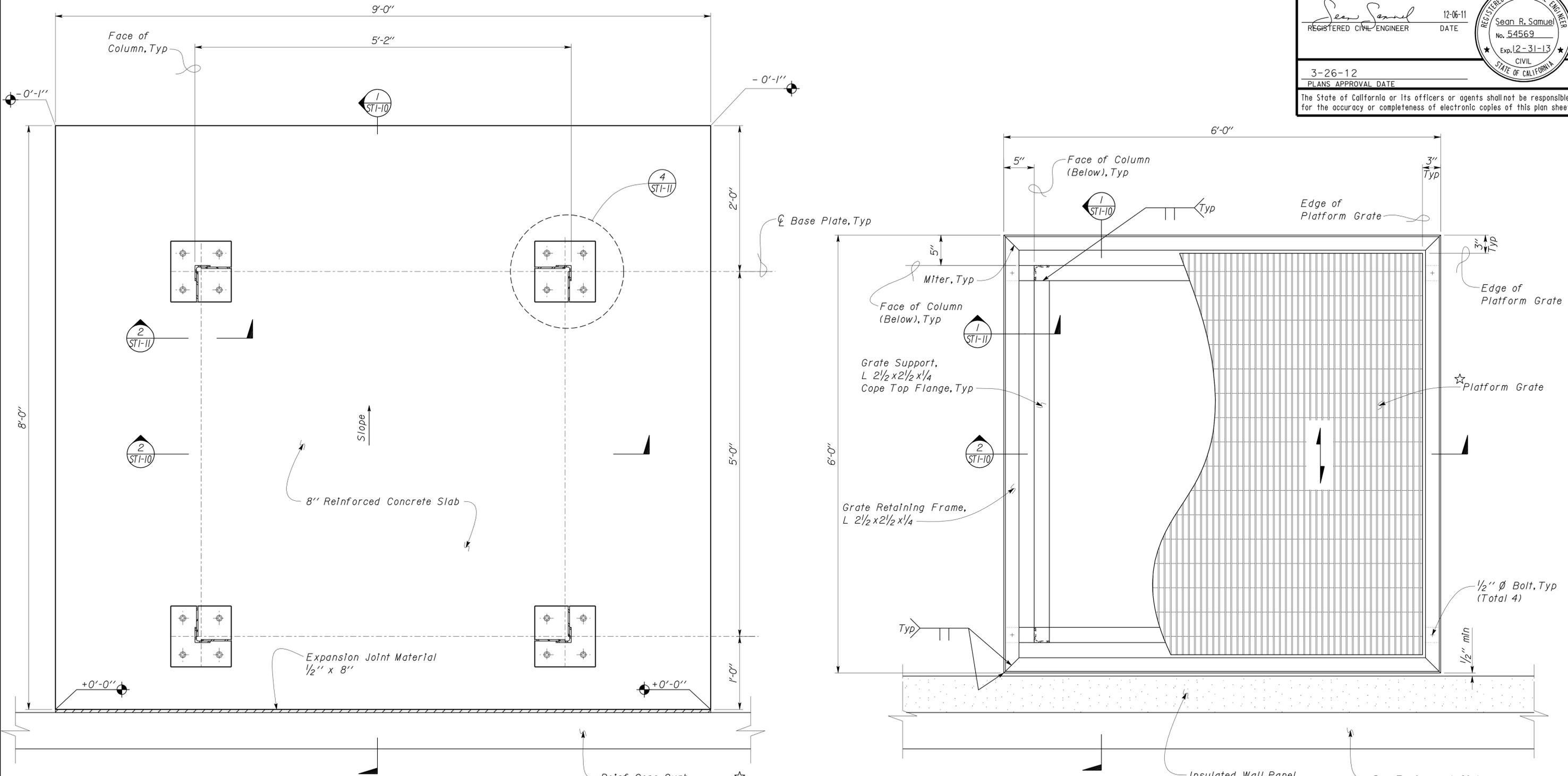
TAEMWW Imperial Rev. 7/10

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	51	93

<i>Sean Samuel</i> REGISTERED CIVIL ENGINEER	12-06-11 DATE	
3-26-12 PLANS APPROVAL DATE		

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1 EVAPORATIVE COOLER FOOTING PLAN
Scale 1/2" = 1'-0"

★ Welded Steel Grate
Bearing Bars 1/4" x 3/16" @ 1 3/16" OC
Cross Bars @ 4" OC
Trim Bars 1/4" x 3/16" fillet welded to ends of Bearing Bars.
Grates shall be anchored to supports with 1/4" Ø threaded stand "Saddle Clip" type fastener as recommended by the manufacturer. Fasteners shall be installed at 3'-0" OC max, 6" from ends.

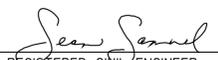
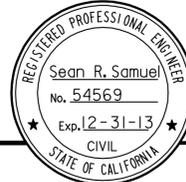
← Indicates direction of Bearing Bars

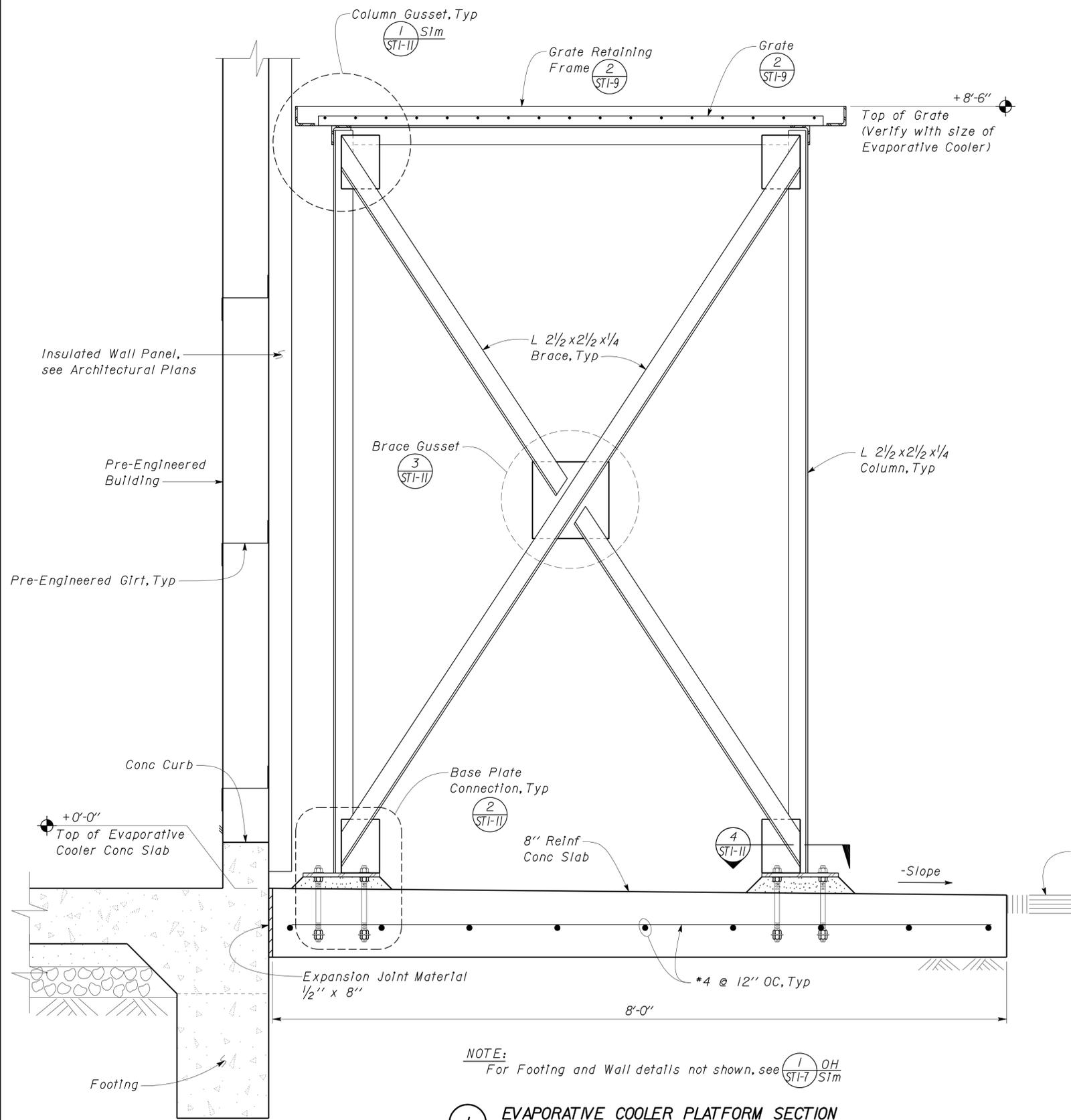
2 EVAPORATIVE COOLER PLATFORM PLAN
Scale 1/2" = 1'-0"

DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-9
	DETAILS	BY P. von Savoye			CHECKED Robert Du Plaine	POST MILE	MECHANICS BUILDING	
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF		

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3599 09000200991 DISREGARD PRINTS BEARING EARLIER REVISION DATES 09-19-11 REVISION DATES (PRELIMINARY STAGE ONLY) SHEET OF

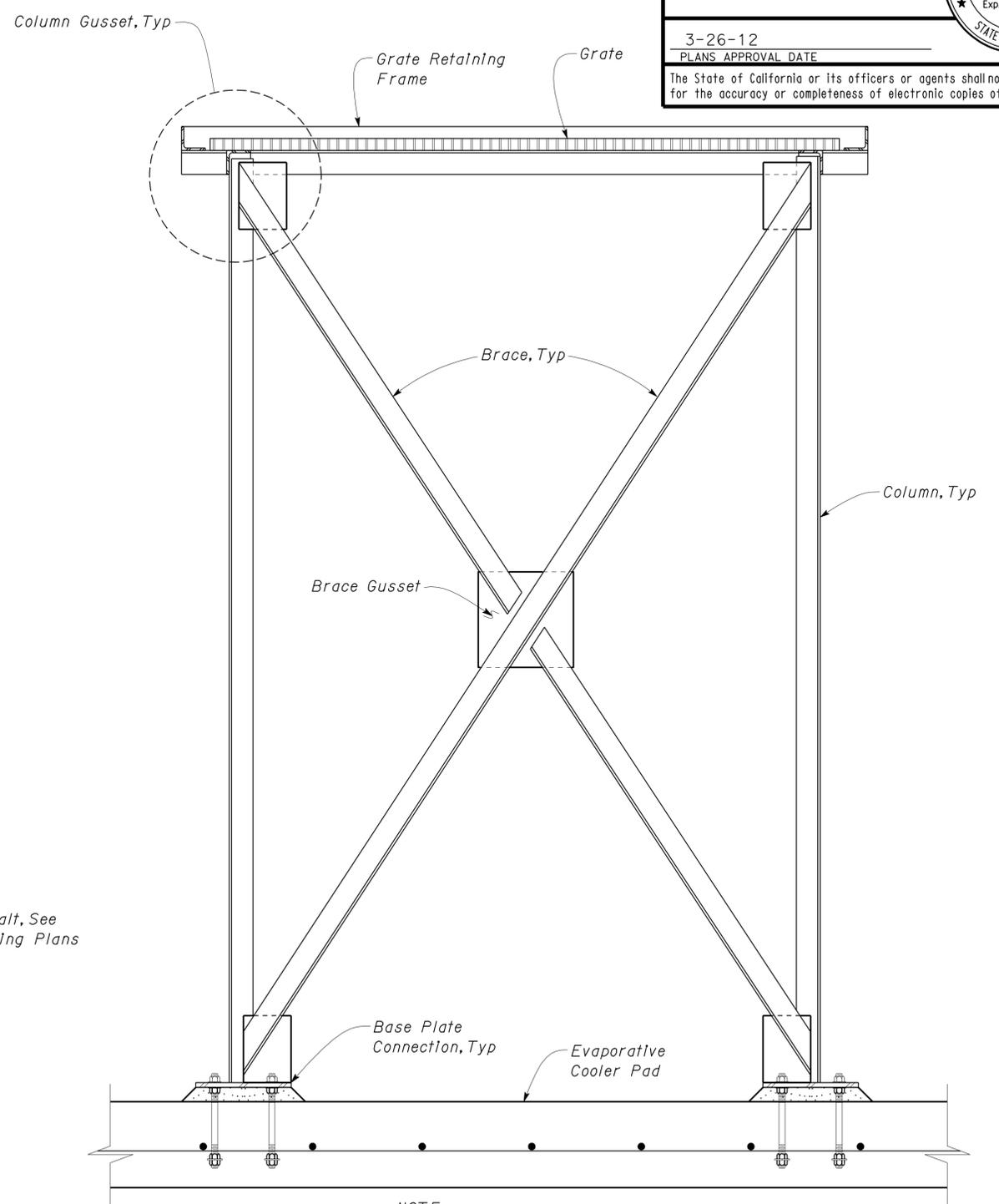
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	52	93
 REGISTERED CIVIL ENGINEER			12-06-11	DATE	
			3-26-12 PLANS APPROVAL DATE		
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NOTE:
For Footing and Wall details not shown, see (1) OH Sim STI-7

1 EVAPORATIVE COOLER PLATFORM SECTION
Scale 1 1/2" = 1'-0"



NOTE:
For Details not shown, see (1) Sim

2 EVAPORATIVE COOLER PLATFORM SECTION
Scale 1 1/2" = 1'-0"

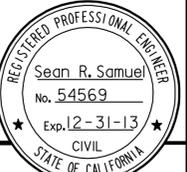
DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-10
	DETAILS	BY P. von Savoye			CHECKED Robert Du Plaine	POST MILE	MECHANICS BUILDING	
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE EA 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

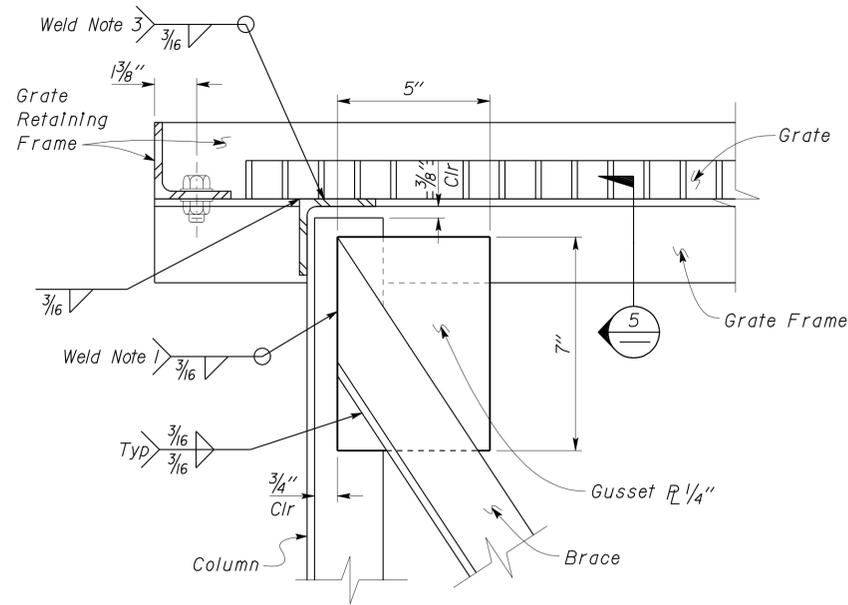
TAEMWW Imperial Rev. 7/10

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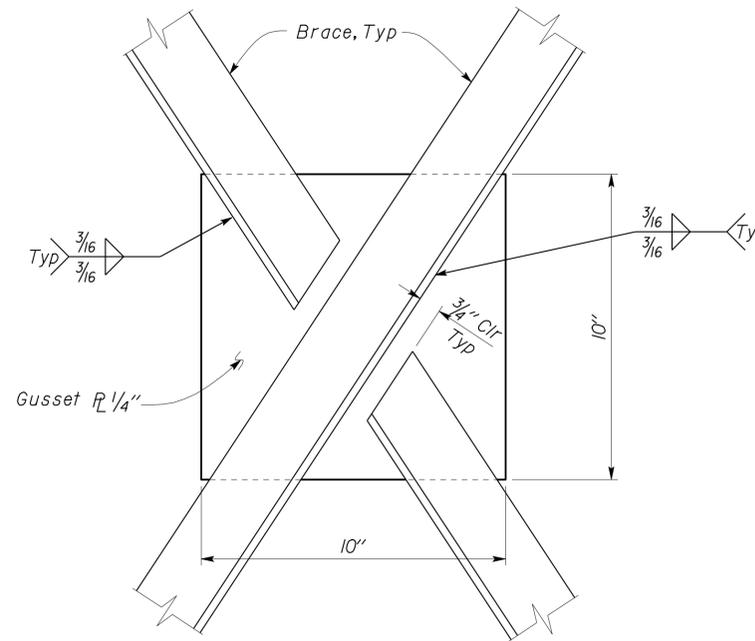
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	53	93

	12-06-11 DATE
3-26-12 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.	

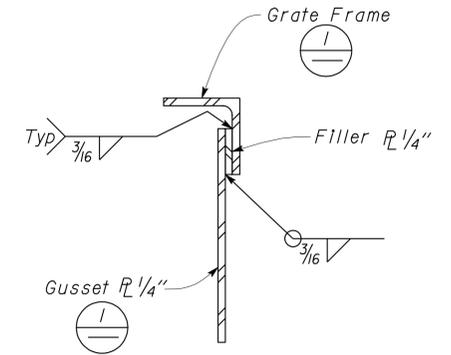


1 GRATE FRAME CONNECTION
Scale 4" = 1' - 0"

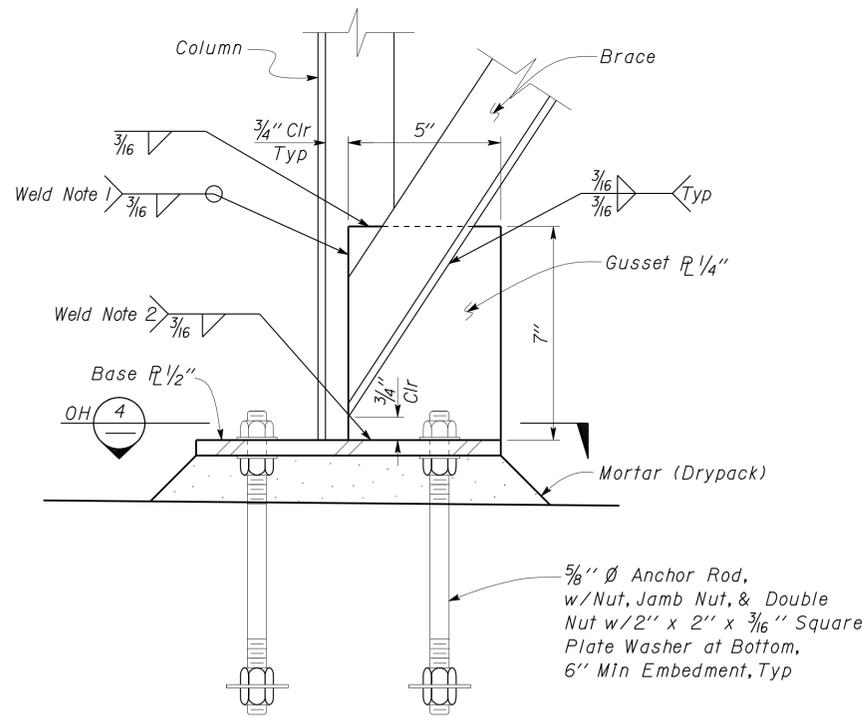
WELD NOTES:
 1. Weld Gusset Plate to Column
 2. Weld Gusset Plate to Base Plate
 3. Weld Column to Grate Frame



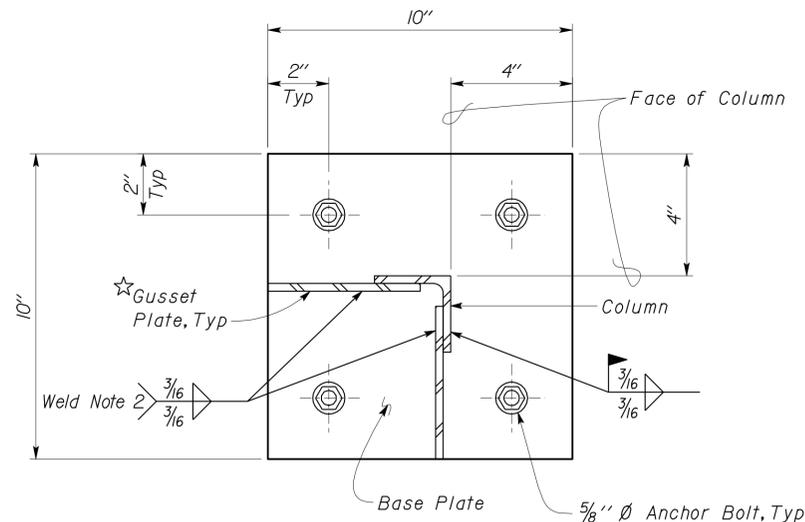
3 BRACE INTERSECTION
Scale 4" = 1' - 0"



5 FILLER DETAILS
Scale 4" = 1' - 0"



2 BASE PLATE CONNECTION
Scale 4" = 1' - 0"



★NOTE:
Grind Gusset Plate as required to clear Column Weld.

4 BASE PLATE DETAIL
Scale 4" = 1' - 0"

DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Robert Du Plaine
QUANTITIES	BY	CHECKED

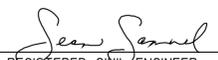
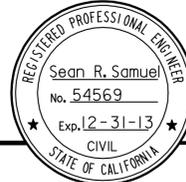
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

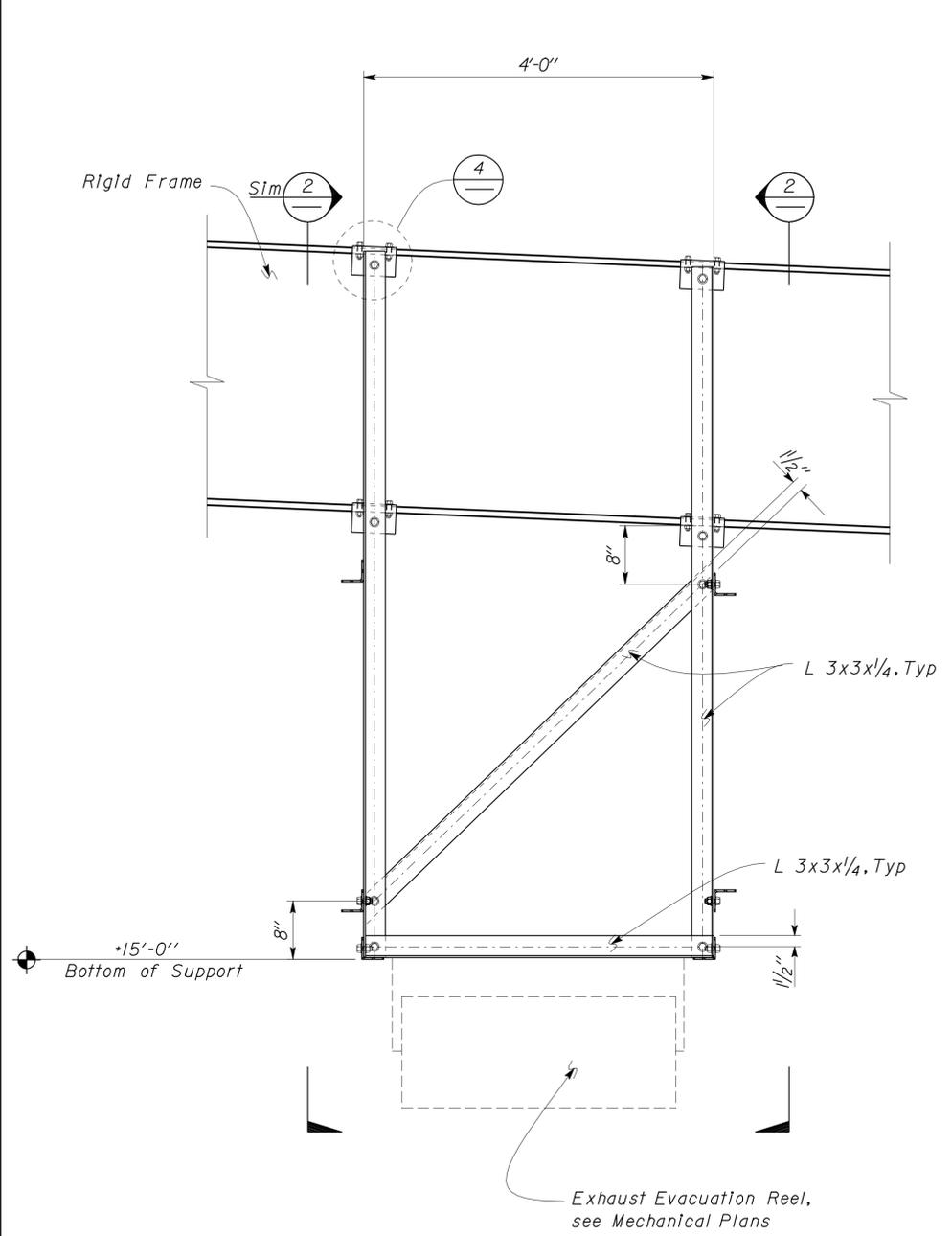
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 48M5710
POST MILE

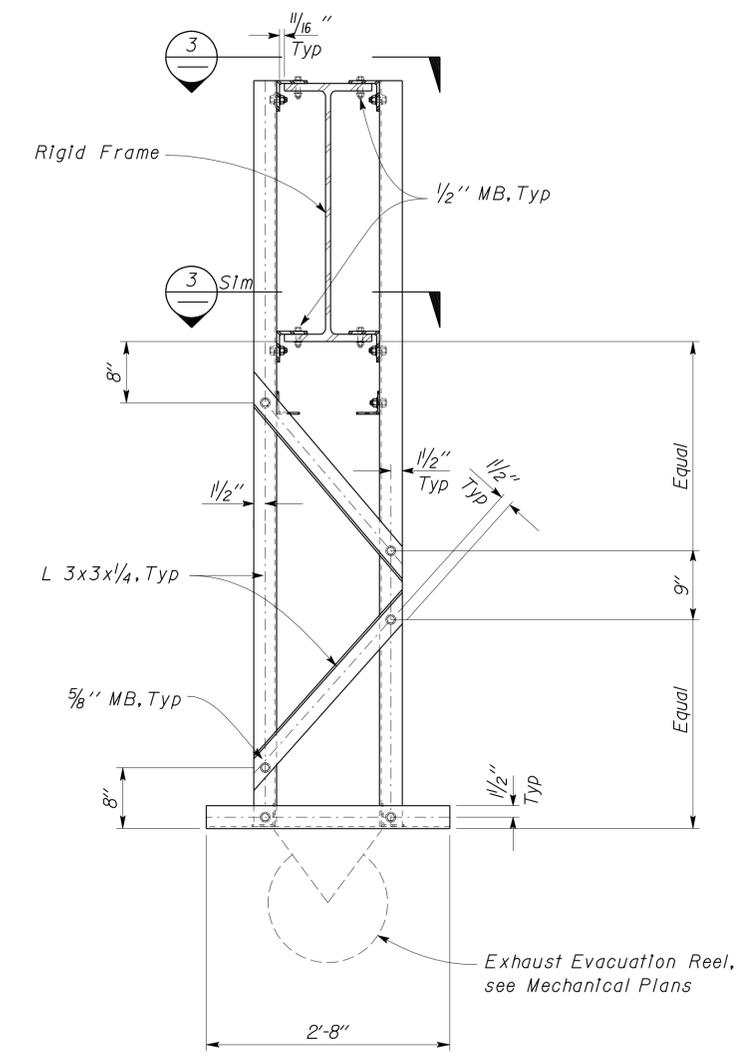
LEE VINING MAINTENANCE STATION
MECHANICS FACILITY
EVAPORATIVE COOLER PLATFORM DETAILS

SHEET ST1-11 OF

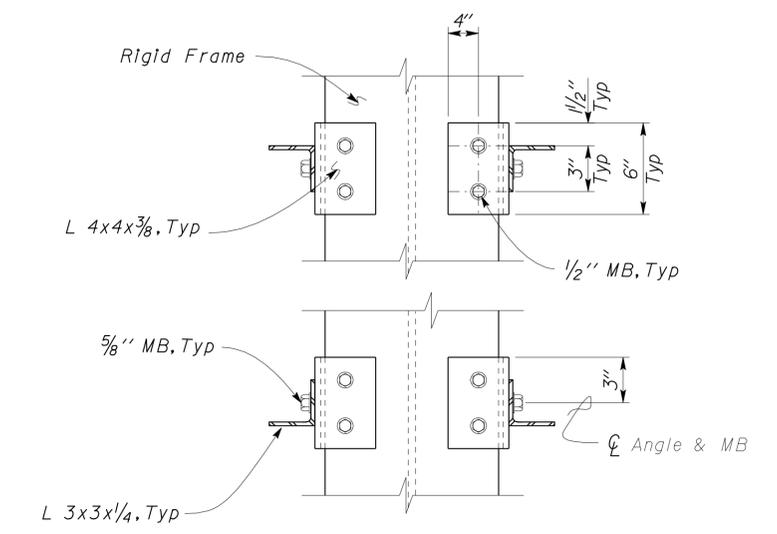
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	54	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



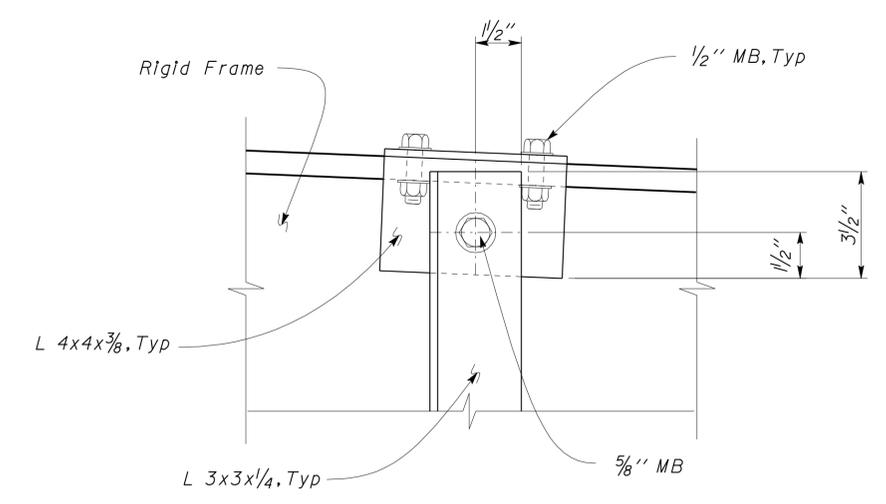
1 EXHAUST EVACUATION SUPPORT ELEVATION
Scale 1" = 1'-0"



2 EXHAUST EVACUATION SUPPORT ELEVATION
Scale 1" = 1'-0"



3 EXHAUST EVACUATION DETAILS
Scale 2" = 1'-0"



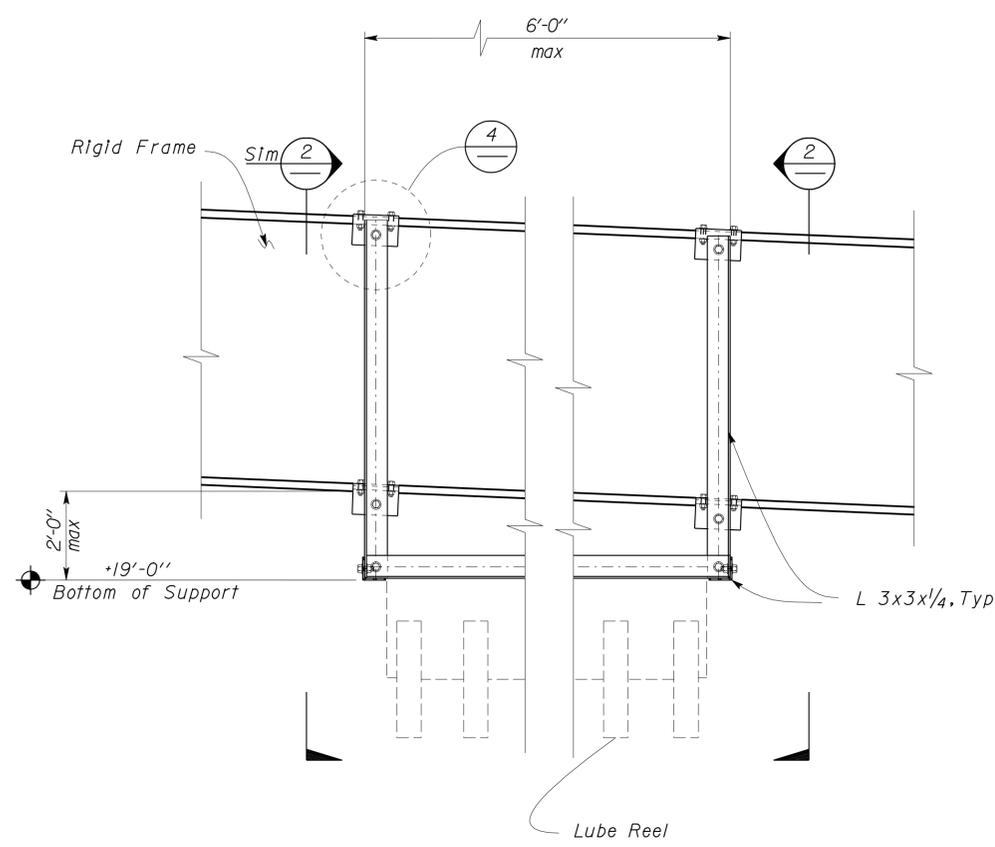
4 EXHAUST EVACUATION DETAILS
Scale 4" = 1'-0"

DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET ST1-12
	DETAILS	BY P. von Savoye			CHECKED Robert Du Plaine		
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3	EA	09-19-11		

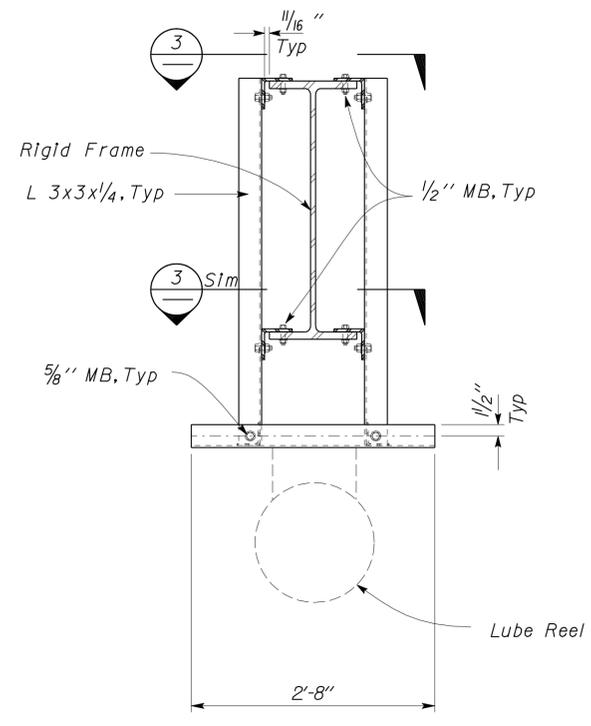
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	55	93

<i>Sean Samuel</i> REGISTERED CIVIL ENGINEER	12-06-11 DATE	
3-26-12 PLANS APPROVAL DATE		

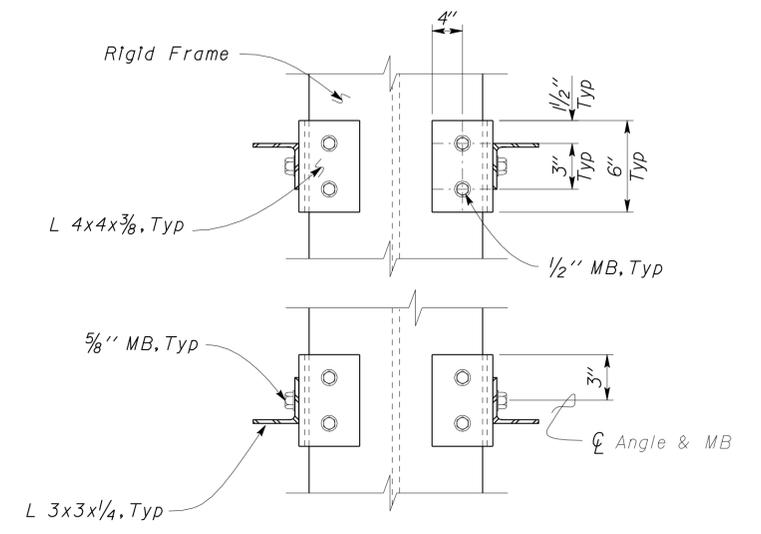
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



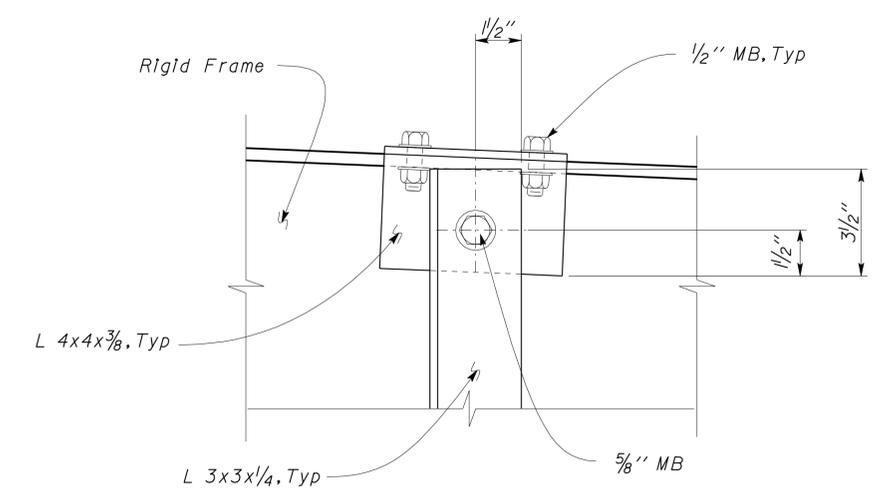
1 LUBE REEL SUPPORT ELEVATION
Scale 1" = 1' - 0"



2 LUBE REEL SUPPORT ELEVATION
Scale 1" = 1' - 0"



3 LUBE REEL SUPPORT DETAILS
Scale 2" = 1' - 0"



4 LUBE REEL SUPPORT DETAILS
Scale 4" = 1' - 0"

DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET ST1-13
	DETAILS	BY P. von Savoye			CHECKED Robert Du Plaine		
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE EA 3599 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES 09-19-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

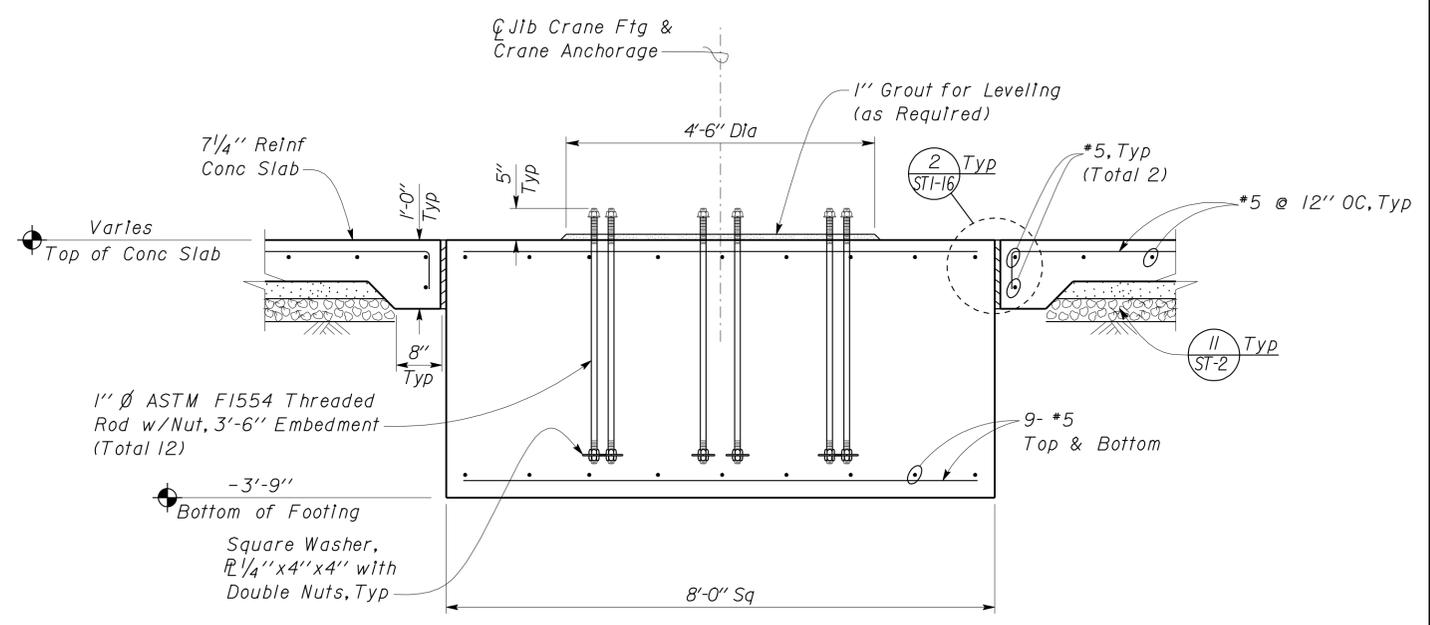
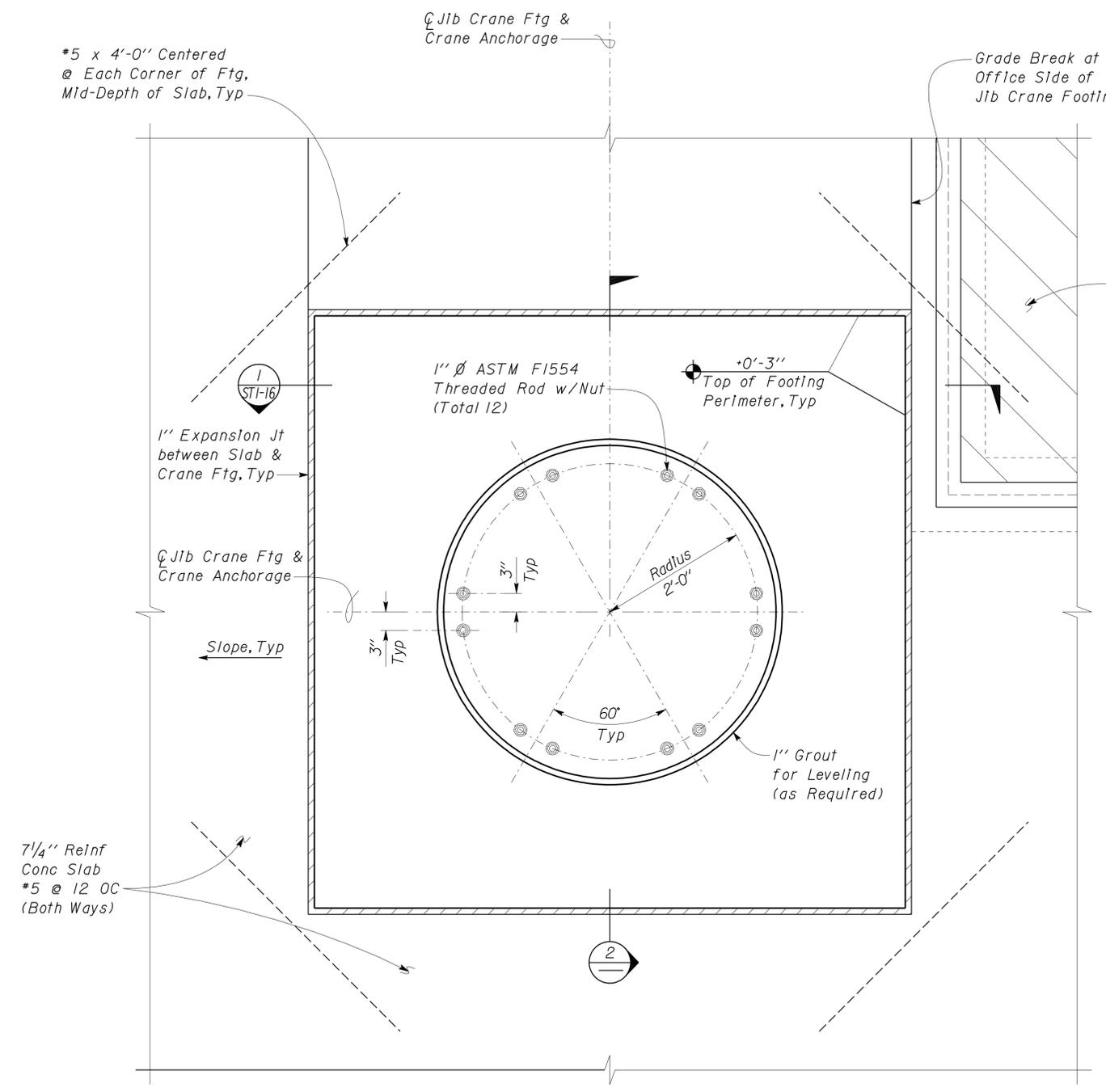
TAEMWW Imperial Rev. 7/10

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	56	93

<i>Sean Samuel</i> REGISTERED CIVIL ENGINEER	12-06-11 DATE	
3-26-12 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.

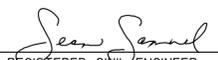
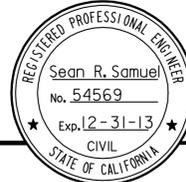


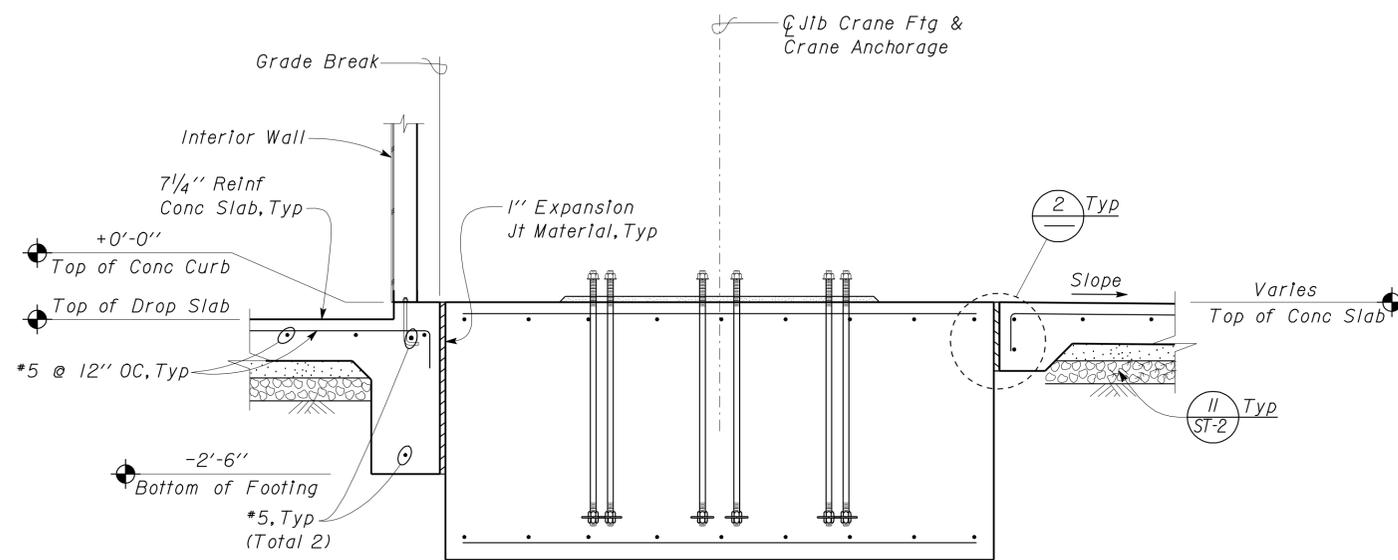
DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Robert Du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

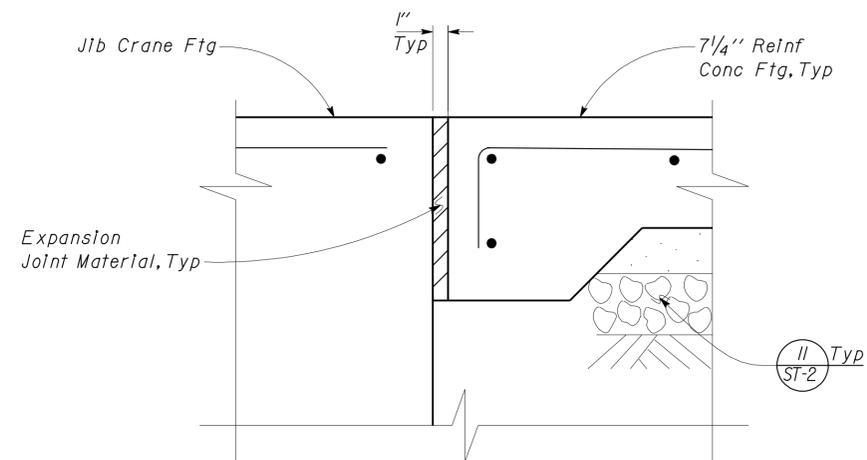
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY JIB CRANE FOOTING/SLAB DETAILS No. 1	SHEET ST1-15
POST MILE		OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	57	93
 REGISTERED CIVIL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
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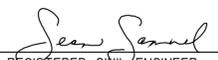
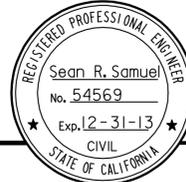
1 FOOTING DETAIL
 Scale 3/4" = 1'-0"



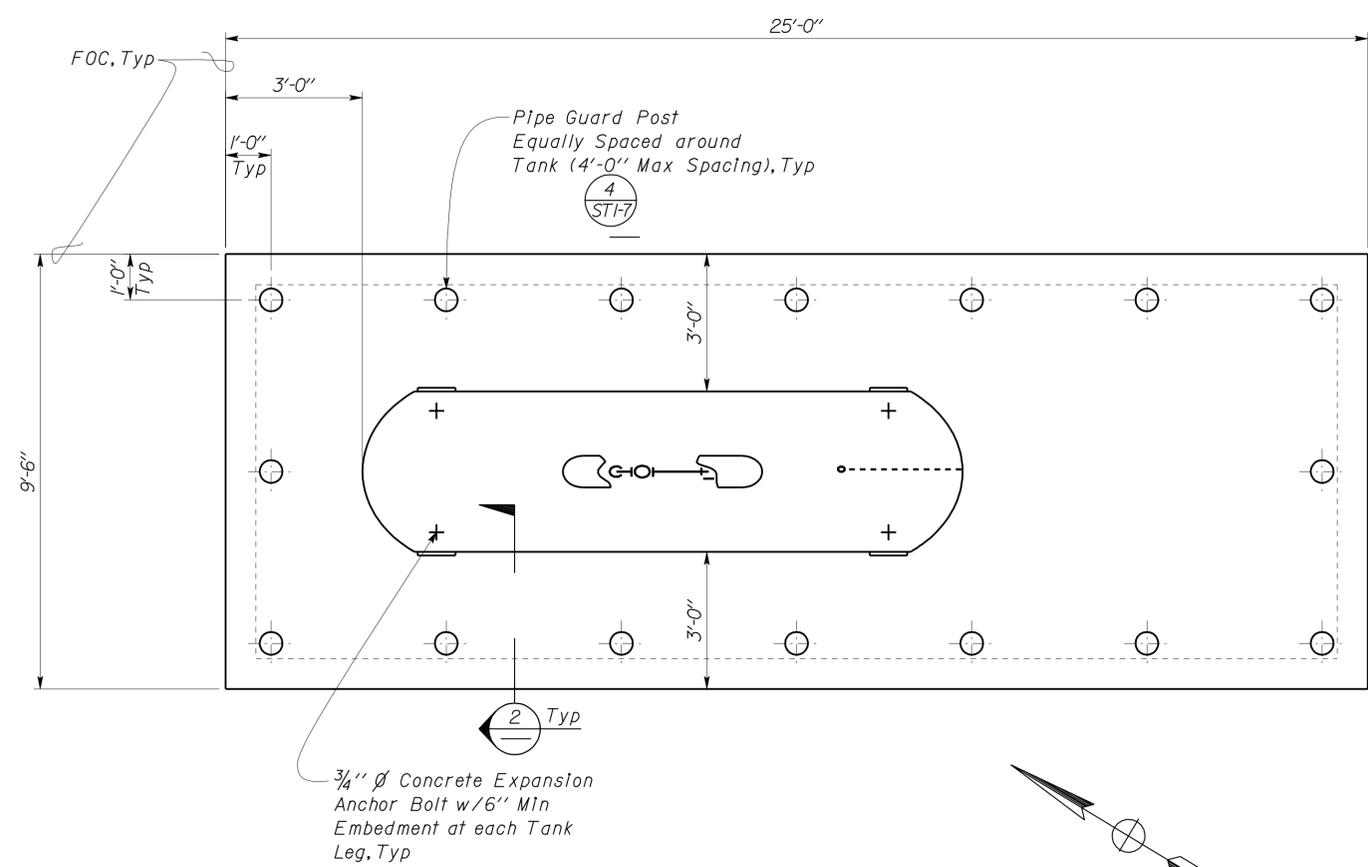
2 EXPANSION JOINT DETAIL
 Scale 2" = 1'-0"

DESIGN	BY	Justin Uyehara	CHECKED	Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET ST1-16
	DETAILS	BY	P. von Savoye	CHECKED			Robert Du Plaine	48M5710	JIB CRANE FOOTING/SLAB DETAILS No. 2	
QUANTITIES	BY		CHECKED		PROJECT NUMBER & PHASE	09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	09-19-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	UNIT PROJECT NUMBER & PHASE 3599 09000200991	

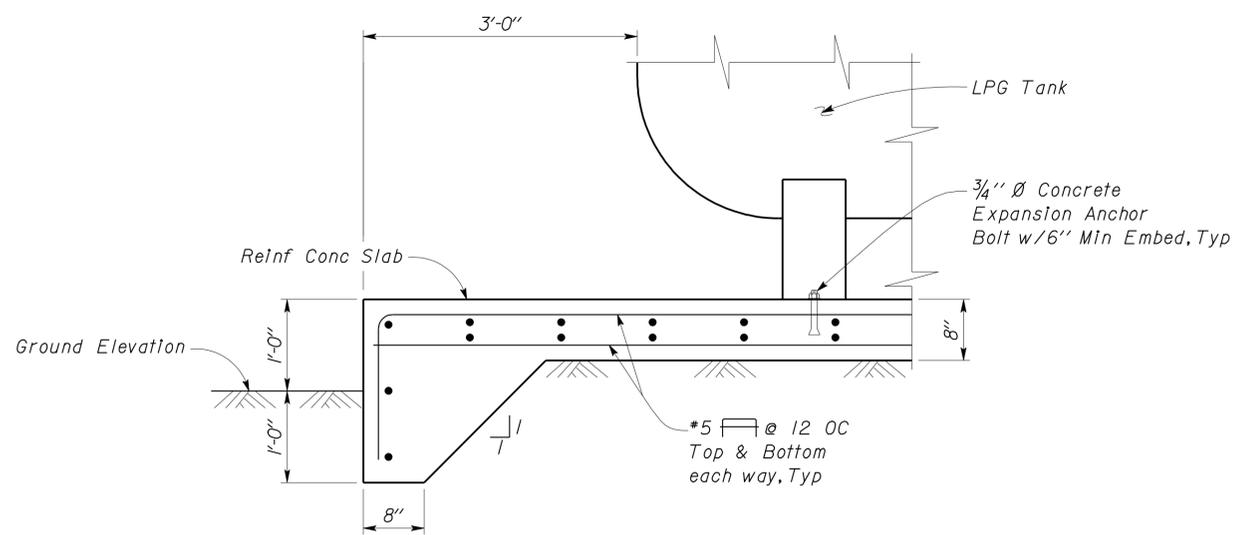
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	58	93


 REGISTERED CIVIL ENGINEER
 DATE 12-06-11


3-26-12
 PLANS APPROVAL DATE
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1 LPG TANK FOUNDATION PLAN
 Scale 1/2" = 1'-0"



NOTE:
 Pipe Guard Post not shown for clarity.

2 LPG TANK CONCRETE SLAB SECTION
 Scale 1" = 1'-0"

DESIGN	BY Justin Uyehara	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Robert Du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	48M5710
POST MILE	

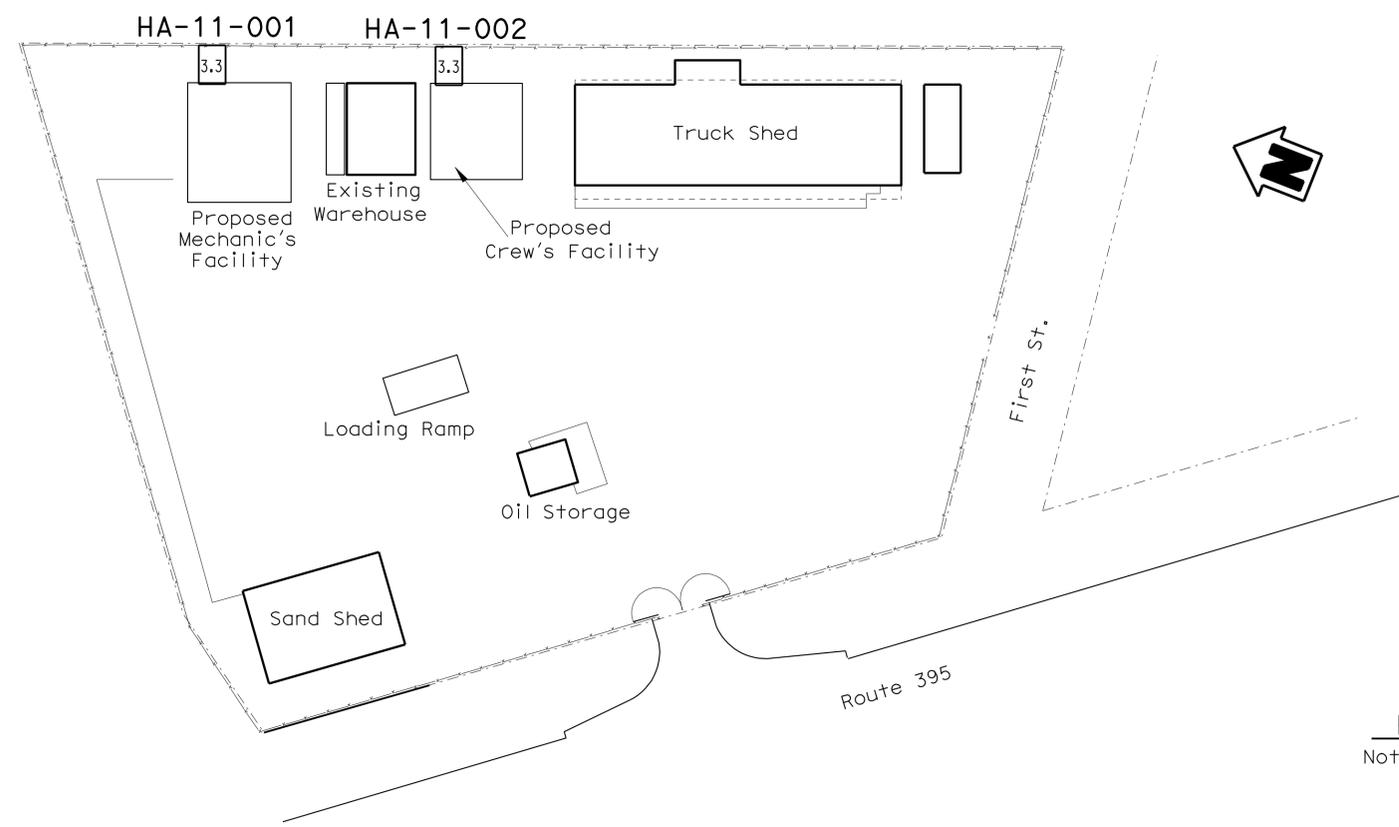
LEE VINING MAINTENANCE STATION MECHANICS FACILITY
 LPG TANK FOUNDATION PLAN AND DETAILS

SHEET OF
ST1-17

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	59	93

Thomas N. Song
 REGISTERED CIVIL ENGINEER
 DATE 10-12-11
 3-26-12
 PLANS APPROVAL DATE
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This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (2010 Edition).

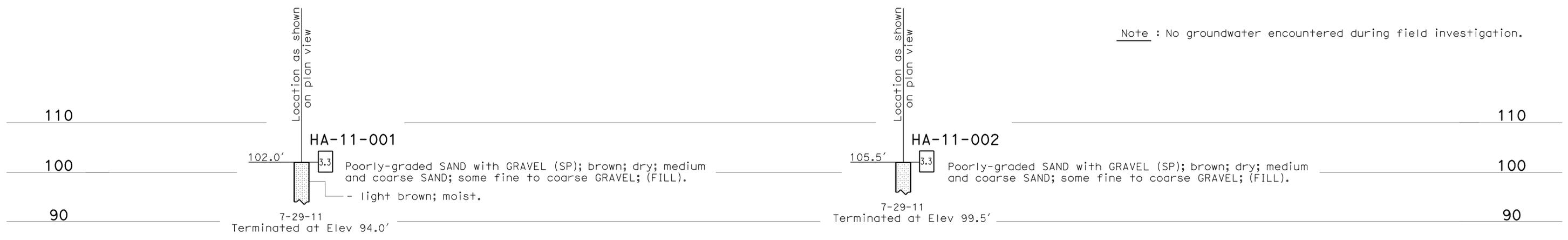


BENCH MARK

Temp Benchmark taken as Top of Existing Inground Concrete Stormwater Inlet. Assumed Elev = 100.00'

PLAN
Not To Scale

LEE VINING HIGHWAY MAINTENANCE STATION MECHANIC'S FACILITY



Note : No groundwater encountered during field investigation.

PROFILE
Horiz: Not To Scale
Vert: 1" = 10'

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X		BRIDGE NO. POST MILE 51.53	LEE VINING MAINTENANCE STATION MECHANICS FACILITY LOG OF TEST BORINGS 1 OF 3		SHEET ST1-18
FUNCTIONAL SUPERVISOR NAME: Q. Huang	DRAWN BY: W. Tang 09/11 CHECKED BY: C. Zh-Ru	FIELD INVESTIGATION BY: T. Song		UNIT: 3643 PROJECT NUMBER & PHASE: 09000200991		CONTRACT NO.: 09-352301		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES 09-21-11 10-07-11	SHEET OF X X

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FILE => s+1_18.dgn

USERNAME => s114937 DATE PLOTTED => 23-MAR-2012 TIME PLOTTED => 08:38

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	60	93

Thomas N. Song
 REGISTERED CIVIL ENGINEER
 DATE 10-12-11
 3-26-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Thomas N. Song
 No. C69325
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

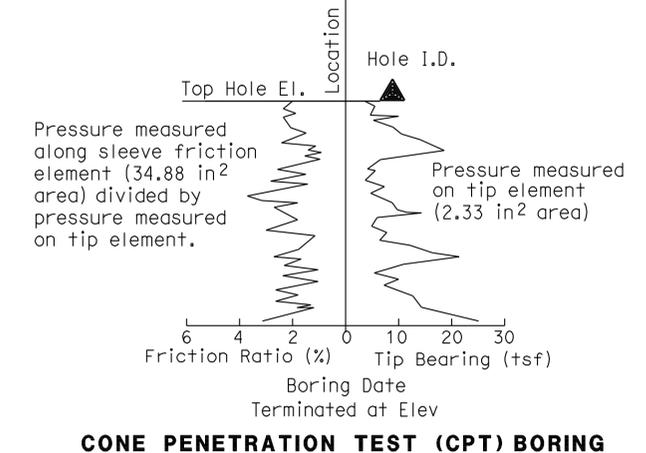
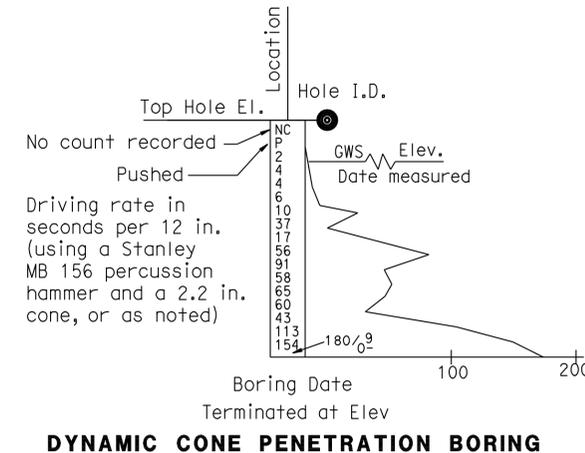
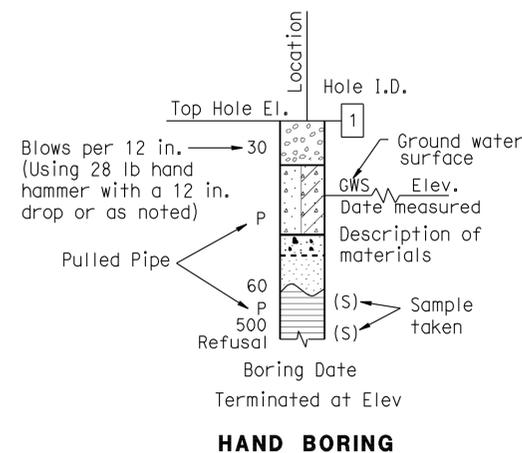
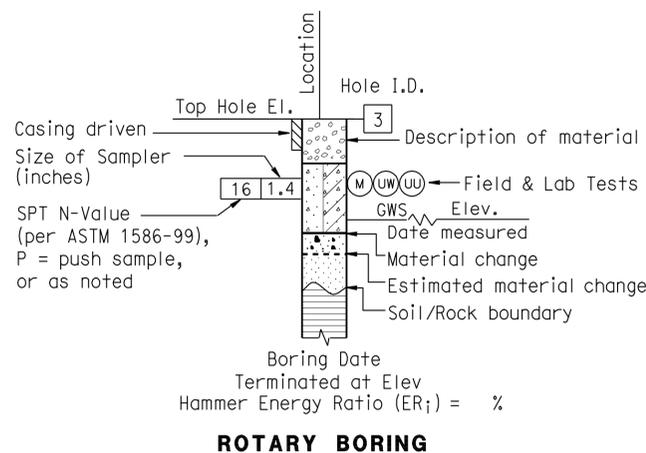
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CEMENTATION	
Description	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

BOREHOLE IDENTIFICATION		
Symbol	Hole Type	Description
	A	Auger Boring (hollow or solid stem bucket)
	R	Rotary drilled boring (conventional)
	RW	Rotary drilled with self-casing wire-line
	RC	Rotary core with continuously-sampled, self-casing wire-line
	P	Rotary percussion boring (air)
	R	Rotary drilled diamond core
	RC	Rotary drilled rock core
	HD	Hand driven (1-inch soil tube)
	HA	Hand Auger
	D	Dynamic Cone Penetration Boring
	CPT	Cone Penetration Test (ASTM D 5778)
	O	Other (note on LOTB)

Note: Size in inches.

CONSISTENCY OF COHESIVE SOILS				
Description	Shear Strength (tsf)	Pocket Penetrometer Measurement, PP, (tsf)	Torvane Measurement, TV, (tsf)	Vane Shear Measurement, VS, (tsf)
Very Soft	Less than 0.12	Less than 0.25	Less than 0.12	Less than 0.12
Soft	0.12 - 0.25	0.25 - 0.5	0.12 - 0.25	0.12 - 0.25
Medium Stiff	0.25 - 0.5	0.5 - 1	0.25 - 0.5	0.25 - 0.5
Stiff	0.5 - 1	1 - 2	0.5 - 1	0.5 - 1
Very Stiff	1 - 2	2 - 4	1 - 2	1 - 2
Hard	Greater than 2	Greater than 4	Greater than 2	Greater than 2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	51.5	61	93

Thomas N. Song
 REGISTERED CIVIL ENGINEER
 10-12-11 DATE
 3-26-12 PLANS APPROVAL DATE
 Thomas N. Song
 No. C69325
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA
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GROUP SYMBOLS AND NAMES			
Graphic/Symbol	Group Names	Graphic/Symbol	Group Names
	Well-graded GRAVEL		Lean CLAY
	Well-graded GRAVEL with SAND		Lean CLAY with SAND
	Poorly-graded GRAVEL		Lean CLAY with GRAVEL
	Poorly-graded GRAVEL with SAND		SANDY lean CLAY
	Well-graded GRAVEL with SILT		SANDY lean CLAY with GRAVEL
	Well-graded GRAVEL with SILT and SAND		GRAVELLY lean CLAY
	Well-graded GRAVEL with CLAY (or SILTY CLAY)		GRAVELLY lean CLAY with SAND
	Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		SILTY CLAY
	Poorly-graded GRAVEL with SILT		SILTY CLAY with SAND
	Poorly-graded GRAVEL with SILT and SAND		SILTY CLAY with GRAVEL
	Poorly-graded GRAVEL with CLAY (or SILTY CLAY)		SANDY SILTY CLAY
	Poorly-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		SANDY SILTY CLAY with GRAVEL
	SILTY GRAVEL		GRAVELLY SILTY CLAY
	SILTY GRAVEL with SAND		GRAVELLY SILTY CLAY with SAND
	CLAYEY GRAVEL		SILT
	CLAYEY GRAVEL with SAND		SILT with SAND
	SILTY, CLAYEY GRAVEL		SILT with GRAVEL
	SILTY, CLAYEY GRAVEL with SAND		SANDY SILT
	Well-graded SAND		SANDY SILT with GRAVEL
	Well-graded SAND with GRAVEL		GRAVELLY SILT
	Poorly-graded SAND		GRAVELLY SILT with SAND
	Poorly-graded SAND with GRAVEL		ORGANIC lean CLAY
	Well-graded SAND with SILT		ORGANIC lean CLAY with SAND
	Well-graded SAND with SILT and GRAVEL		ORGANIC lean CLAY with GRAVEL
	Well-graded SAND with CLAY (or SILTY CLAY)		SANDY ORGANIC lean CLAY
	Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		GRAVELLY ORGANIC lean CLAY
	Poorly-graded SAND with SILT		GRAVELLY ORGANIC lean CLAY with SAND
	Poorly-graded SAND with SILT and GRAVEL		ORGANIC fat CLAY
	Poorly-graded SAND with CLAY (or SILTY CLAY)		ORGANIC fat CLAY with SAND
	Poorly-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		ORGANIC fat CLAY with GRAVEL
	SILTY SAND		SANDY ORGANIC fat CLAY
	SILTY SAND with GRAVEL		SANDY ORGANIC fat CLAY with GRAVEL
	CLAYEY SAND		GRAVELLY ORGANIC fat CLAY
	CLAYEY SAND with GRAVEL		GRAVELLY ORGANIC fat CLAY with SAND
	SILTY, CLAYEY SAND		ORGANIC elastic SILT
	SILTY, CLAYEY SAND with GRAVEL		ORGANIC elastic SILT with SAND
	PEAT		ORGANIC elastic SILT with GRAVEL
	COBBLES		SANDY ORGANIC elastic SILT
	COBBLES and BOULDERS		GRAVELLY ORGANIC elastic SILT
			GRAVELLY ORGANIC elastic SILT with SAND
	BOULDERS		ORGANIC SOIL
			ORGANIC SOIL with SAND
			ORGANIC SOIL with GRAVEL
			SANDY ORGANIC SOIL
			SANDY ORGANIC SOIL with GRAVEL
			GRAVELLY ORGANIC SOIL
			GRAVELLY ORGANIC SOIL with SAND

FIELD AND LABORATORY TESTING	
(C)	Consolidation (ASTM D 2435)
(CL)	Collapse Potential (ASTM D 5333)
(CP)	Compaction Curve (CTM 216)
(CR)	Corrosivity Testing (CTM 643, CTM 422, CTM 417)
(CU)	Consolidated Undrained Triaxial (ASTM D 4767)
(DS)	Direct Shear (ASTM D 3080)
(EI)	Expansion Index (ASTM D 4829)
(M)	Moisture Content (ASTM D 2216)
(OC)	Organic Content-% (ASTM D 2974)
(P)	Permeability (CTM 220)
(PA)	Particle Size Analysis (ASTM D 422)
(PI)	Plasticity Index (AASHTO T 90) Liquid Limit (AASHTO T 89)
(PL)	Point Load Index (ASTM D 5731)
(PM)	Pressure Meter
(R)	R-Value (CTM 301)
(SE)	Sand Equivalent (CTM 217)
(SG)	Specific Gravity (AASHTO T 100)
(SL)	Shrinkage Limit (ASTM D 427)
(SW)	Swell Potential (ASTM D 4546)
(UC)	Unconfined Compression-Soil (ASTM D 2166) Unconfined Compression-Rock (ASTM D 2938)
(UU)	Unconsolidated Undrained Triaxial (ASTM D 2850)
(UW)	Unit Weight (ASTM D 4767)

APPARENT DENSITY OF COHESIONLESS SOILS	
Description	SPT N ₆₀ (Blows / 12 in.)
Very Loose	0 - 5
Loose	5 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Greater than 50

MOISTURE	
Description	Criteria
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

PERCENT OR PROPORTION OF SOILS	
Description	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5% - 10%
Little	15% - 25%
Some	30% - 45%
Mostly	50% - 100%

PARTICLE SIZE		
Description	Size (in.)	
Boulder	Greater than 12	
Cobble	3 - 12	
Gravel	Coarse	3/4 - 3
	Fine	1/5 - 3/4
Sand	Coarse	1/16 - 1/5
	Medium	1/64 - 1/16
	Fine	1/300 - 1/64
Silt and Clay	Less than 1/300	

ENGINEERING SERVICES	MATERIALS AND GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X	BRIDGE NO.	LEE VINING MAINTENANCE STATION MECHANICS FACILITY LOG OF TEST BORINGS 3 OF 3	SHEET
				POST MILE 51.53		ST1-20
PREPARED BY: W. Tang 09/11		UNIT: 3643 PROJECT NUMBER & PHASE: 09000200991	CONTRACT NO.: 09-352301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET OF X X

GS LOTB SOIL LEGEND ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 USERNAME => s114937 DATE PLOTTED => 23-MAR-2012 08:39 FILE => s11_20.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	62	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 12-07-11
 DATE

3-26-12
 PLANS APPROVAL DATE

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PLUMBING

- — — — Cold Water
- A — — Compressed Air
- LPG — — Liquefied Petroleum Gas
- D — — Equipment Drain
- RD — — Roof Drain
- OD — — Overflow Drain
- RW — — Non Potable Water
- FW — — Fire Water
- — — — Hot Water
- — — — Hot Water Return
- R — — Relief Valve Discharge Pipe
- S — — Sewer Line
- — — — Sanitary Sewer (above grade)
- — — — Sanitary Sewer (below grade)
- — — — Sanitary Sewer Vent

- — — — Cap, Threaded
- — — — Elbow, Turned Down
- — — — Elbow, Turned Up
- — — — Reducer, Concentric
- — — — Pressure Gauge (with gage cock and Snubber)
- — — — Strainer
- — — — Union
- — — — Union, Insulating
- — — — Valve, Ball
- — — — Valve, Check
- — — — Valve, Gas
- — — — Valve, Gate
- — — — Valve, Safety Relief
- — — — Valve, Faucet Assembly
- — — — Valve, Pressure/Temperature Relief
- — — — Water Hammer Arrestor

PIPE FITTINGS AND VALVES

MECHANICAL ABBREVIATIONS:

A/C	Air Conditioning	GA	Gauge	RE	Refrigerator
ABS	Acrylonitrile Butadiene Styrene	GALV	Galvanized	REG	Register
AC	Asphalt Concrete	GH	Ground Hydrant	RA	Return Air
AD	Air Drop	GLV	Globe Valve	RCP	Reinforced Concrete Pipe
AP	Alternative Pipe	GSP	Galvanized Steel Pipe	RD	Roof Drain
ATF	Automatic Transmission Fluid	GV	Gate Valve	REQ	Required
AWG	American Wire Gauge	GWH	Gas Water Heater	RH	Radiant Heater
BFP	Backflow Preventer	GYP	Gypsum	RV	Relief Valve
BH	Box Hydrant	H	Height	RWL	Rain Water Leader
BLDG	Building	HB	Hose Bibb	RW	Raw Water
BV	Balancing Valve	H/C	Hot Water, High Pressure Cleaner	S	Switch
°C	Celsius Temperature	HDPE	High Density polyethylene	SF	Fan, Switch
C	Conduit	HF	Hose Faucet	S/S	Service Sink
Cap.	Capacity	HVAC	Heating, Ventilating And Air Conditioning	SA	Supply Air
CD	Ceiling Diffuser	HW	Hot Water	SCH	Schedule
CI	Cast-Iron	HZ	Hertz	SDS	Sanitary Dump Station
CO	Cleanout	ID	Inside Diameter	SF	Supply Fan
COTF	Cleanout Through Floor	IE	Invert Elevation	SHR	Shower
COTG	Cleanout Through Grade	IPS	International Pipe Standard	SP	Static Pressure
COTW	Cleanout To Wall	KS	Kitchen Sink	SS	Sanitary Sewer
CV	Check Valve	KW	Kilowatt	STA	Station
CW	Cold Water	LAV	Lavatory	STD	Standard
D	Depth	L/s	Liters per Second	TCV	Temperature Control Valve
DB	Dry Bulb	m	meter	TSPV	Trap Seal Primer Valve
DF	Drinking Fountain	MAX	Maximum	TPRV	Temp., Pressure, Relief Valve
DH	Duct Heater	MAN	Manhole	TS	Time Switch
DI	Drain Inlet	MIN	Minimum	Typ.	Typical
Dia	Diameter	mm	millimeter	UH	Unit Heater
(E)	Existing	MS	Mop Sink	UR	Urinal
EA	Exhaust Air	NIC	Not In Contract	V	Vent
EC	Evaporative Cooler	NO	Number	VAC	Voltage, Alternating Current
ESEW	Emergency Shower And Eye Wash	NPS	Nominal Pipe Size	VB	Valve Box
EF	Exhaust Fan	NPT	National Pipe Thread	VR	Vent Riser
EL	Elevation	NST	National Standard Thread	VM	Vending Machine
Elect.	Electrical	OA	Outside Air	VTR	Vent Thru Roof
ES	Evaporative Cooler Switch	OC	On Center	W	Width
ESP	External Static Pressure	OD	Outside Diameter	W/	With
EWC	Electric Water Cooler	OG	Original Ground	W/O	Without
EWB	Electric Water Heater	PBEF	Push-Button Exhaust Fan	WB	Wet Bulb
FC	Flexible Connection	PCC	Portland Cement Concrete	WC	Water Closet
FD	Floor Drain	PH	Phase	W.C.	Water Column
FDC	Fire Department Connection	PRV	Pressure Reducing Valve	WD	Water Drop
FE	Fire Extinguisher	PSI	Pounds Per Square Inch	WH	Water Heater
FG	Finish Grade	PVC	Polyvinyl Chloride	W.H.	Wall Hydrant
FH	Fire Hydrant			WHA	Water Hammer Arrestor
FL	Flow Line			WLS	Water Level Switch
FS	Flow Sink			WP	Weatherproof
FTR	Flue through roof			WS	Wash Sink
				WSP	Welded Steel Pipe

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: FRANCIS SOLICH
Approval date: 10-12-11

HEATING, VENTILATING AND AIR CONDITIONING

- Balance Damper
- Flexible Duct
- EA — — Exhaust Air
- RA — — Return Air
- SA — — Supply Air
- ☐ cfm Exhaust Register
- ☐ or ☐ cfm Return Register
- ← ☐ or ☐ cfm Supply Diffuser
- Ⓣ Thermostat
- ⓉⓈ Time Switch
- ▲ Anode Test Station
- ▲ Three Wire Test Station
- Ⓣ Exhaust Fan
- ⓉⓈ Fire Extinguisher

MISCELLANEOUS

- L Angle
- Ⓢ Centerline
- ∅ Diameter
- RE — — (E) Duct to be Removed
- Section / Elevation Letter
- Sheet Number
- Detail Number
- Sheet Number
- 12x12 " ← NECK SIZE
- 190 cfm ← FLOW RATE

DESIGN	BY	Jesus Ramirez	CHECKED	Shahjahan Ali	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET M0-0									
	DETAILS	BY	A. Chen	CHECKED			Shahjahan Ali	POST MILE			X	ABBREVIATION AND LEGENDS							
QUANTITIES	BY	Jesus Ramirez	CHECKED	Shahjahan Ali	UNIT	3615	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET	OF								
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	DISREGARD PRINTS BEARING EARLIER REVISION DATES			07-11-11	08-12-11	09-15-11	12-07-11				
TAEWW Imperial Rev. 7/10					PROJECT NUMBER & PHASE			09000200991			EA 000000			m0_0.dgn					

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	63	93

<i>Shahjahan Ali</i>		12-07-11
REGISTERED MECHANICAL ENGINEER	DATE	

3-26-12	
PLANS APPROVAL DATE	

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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: *Francis Solich*
FRANCIS SOLICH
Approval date: 10-12-11

Note:
Only last page of each form is included on this sheet. Other pages of these forms and other applicable forms are available upon request.

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 5 of 5) MECH-1C

Project Name: <i>Lee Vining Maintenance Station Mechanic's Facility</i>	Date: <i>July 1, 2011</i>
---	---------------------------

Documentation Author's Declaration Statement
I Certify That This Certificate of Compliance Documentation is Accurate and Complete.

Name: <i>Jesus E Ramirez</i>	Signature: <i>Jesus Ramirez</i>
Company: <i>Department of Transportation, (CALTRANS)</i>	Date: <i>July 1, 2011</i>
Address: <i>1801 30th Street</i>	If Applicable CEA# CEPE#
City/State/Zip: <i>Sacramento, Ca 95816</i>	Phone: <i>(916)227-8490</i>

Principal Mechanical Designer's Declaration Statement

- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the mechanical design.
- This Certificate of Compliance identifies the mechanical features and performance specifications required for compliance with Title 24, Parts 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: <i>Shahjahan Ali</i>	Signature: <i>Shahjahan Ali</i>
Company: <i>Department of Transportation, (CALTRANS)</i>	Date: <i>September 15, 2011</i>
Address: <i>1801 30th Street</i>	License# <i>M32144</i>
City/State/Zip: <i>Sacramento, Ca 95816</i>	Phone: <i>(916)227-8534</i>

Mandatory Measures
Indicate location on building plans of Note Block for Manatory Measures: *On File*

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (Check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2008 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated onto the building plans.

<input checked="" type="checkbox"/> MECH-1C	Certificate of Compliance. Required on plans for all submittals.
<input type="checkbox"/> MECH-2C	Mechanical Equipment Summary is required for all submittals.
<input type="checkbox"/> MECH-3C	Mechanical Ventilation and Reheat is required for all submittals with mechanical ventilation.
<input type="checkbox"/> MECH-4C	Fan Power Consumption is required for all prescriptive submittals.

2008 Nonresidential Compliance Forms

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 4 of 4) ENV -1C

Project Name: <i>Lee Vining Maintenance Station Mechanic's Facility</i>	Date: <i>July 1, 2011</i>	Climate Zone: <i>12</i>
---	---------------------------	-------------------------

Documentation Author's Declaration Statement
I Certify That This Certificate of Compliance Documentation is Accurate and Complete.

Name: <i>Jesus E Ramirez</i>	Signature: <i>Jesus Ramirez</i>
Company: <i>Department of Transportation, (CALTRANS)</i>	Date: <i>July 1, 2011</i>
Address: <i>1801 30th Street</i>	If Applicable CEA# CEPE#
City/State/Zip: <i>Sacramento, Ca 95816</i>	Phone: <i>(916)227-8490</i>

Principal Designer's Declaration Statement

- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the design.
- This Certificate of Compliance identifies the envelope features and performance specifications required for compliance with Title 24, Parts 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: <i>Lani Rhoades</i>	Signature: <i>Lani Rhoades</i>
Company: <i>Department of Transportation, (CALTRANS)</i>	Date: <i>July 1, 2011</i>
Address: <i>1801 30th Street</i>	License# <i>C-26695</i>
City/State/Zip: <i>Sacramento, Ca 95816</i>	Phone: <i>(916)227-8286</i>

Envelope Mandatory Measures
Indicate location on building plans of Mandatory Envelope Measures Note Block: *On File*

INSTRUCTIONS TO APPLICANT ENVELOPE COMPLIANCE & WORKSHEETS (Check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Compliance Manual.

<input checked="" type="checkbox"/> ENV-1C	Certificate of Compliance and Field Inspections Energy Checklist required on plans for all submittals.
<input type="checkbox"/> ENV-2C	Use with the Envelope Component Approach. Optional on Plans.
<input type="checkbox"/> ENV-3C	Use with the Overall Envelope TDV Energy Approach. Optional on plans.
<input type="checkbox"/> ENV-4C	Use when minimum skylight requirements for large enclosed spaces are required in climate zones 2 through 15. Optional on plans.

2008 Nonresidential Compliance Forms

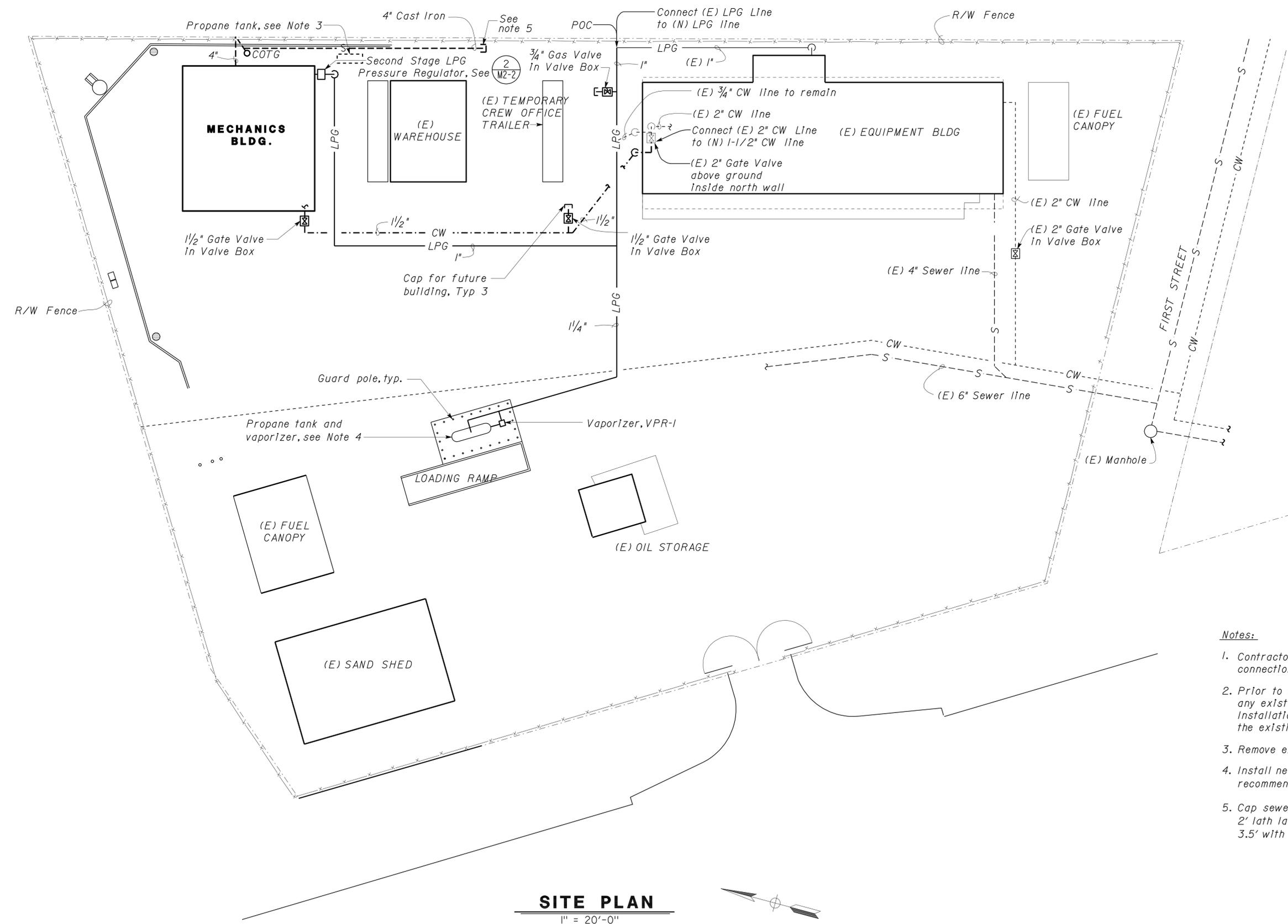
DESIGN BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i> DETAILS BY <i>A. Chen</i> CHECKED <i>Shahjahan Ali</i> QUANTITIES BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICS FACILITY CERTIFICATE OF COMPLIANCE FORMS	SHEET M0-1 OF	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3615 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 07-11-11 08-12-11 09-15-11 12-07-11	SHEET OF	
	TAEWW Imperial Rev. 7/10		EA 000000		23-MAR-2012 08:39 m0_1.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	64	93

Shahjahan Ali 12-07-11
 REGISTERED MECHANICAL ENGINEER DATE
 No. 32144
 Exp 09/30/12
 MECH
 STATE OF CALIFORNIA

3-26-12
 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: FRANCIS SOLICH
 Approval date: 10-12-11



- Notes:**
- Contractor shall field verify (E) site equipment and utility connections before ordering and fabricating any material.
 - Prior to installing new pipes the Contractor shall locate any existing piping that must be crossed by the new pipes. Installation shall be completed without disruption of any of the existing utilities that are not part of this contract.
 - Remove existing 500 gallon propane tank and slab.
 - Install new propane tank in accordance with the manufacturer's recommendations and with Mechanical details, Sheet M2-2.
 - Cap sewer line. Place #4 rebar from cap to surface and place 2' lath labeled "SEWER LINE" above rebar. Bury sewer Invert 3.5' with 2% minimum grade.

SITE PLAN
 1" = 20'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY.

DESIGN SUPERVISOR <i>Paul Schreff</i> DESIGN ENGINEER <i>Paul W. White</i>	DESIGN	BY Jesus Ramirez	CHECKED Shahjahan Ali	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	LEE VINING MAINTENANCE STATION MECHANICS FACILITY SITE PLAN	SHEET
	DETAILS	BY A. Chen	CHECKED Shahjahan Ali		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	48M5710		M1-0
QUANTITIES	BY Jesus Ramirez	CHECKED Shahjahan Ali	PROJECT NUMBER & PHASE 09000200991		UNIT 3615	POST MILE X		
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	PROJECT NUMBER & PHASE 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 07-11-11 08-12-11 09-15-11 12-07-11	SHEET OF

26-MAR-2012 10:07 m1_0.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	65	93

Shahjahan Ali
REGISTERED MECHANICAL ENGINEER
DATE 12-07-11

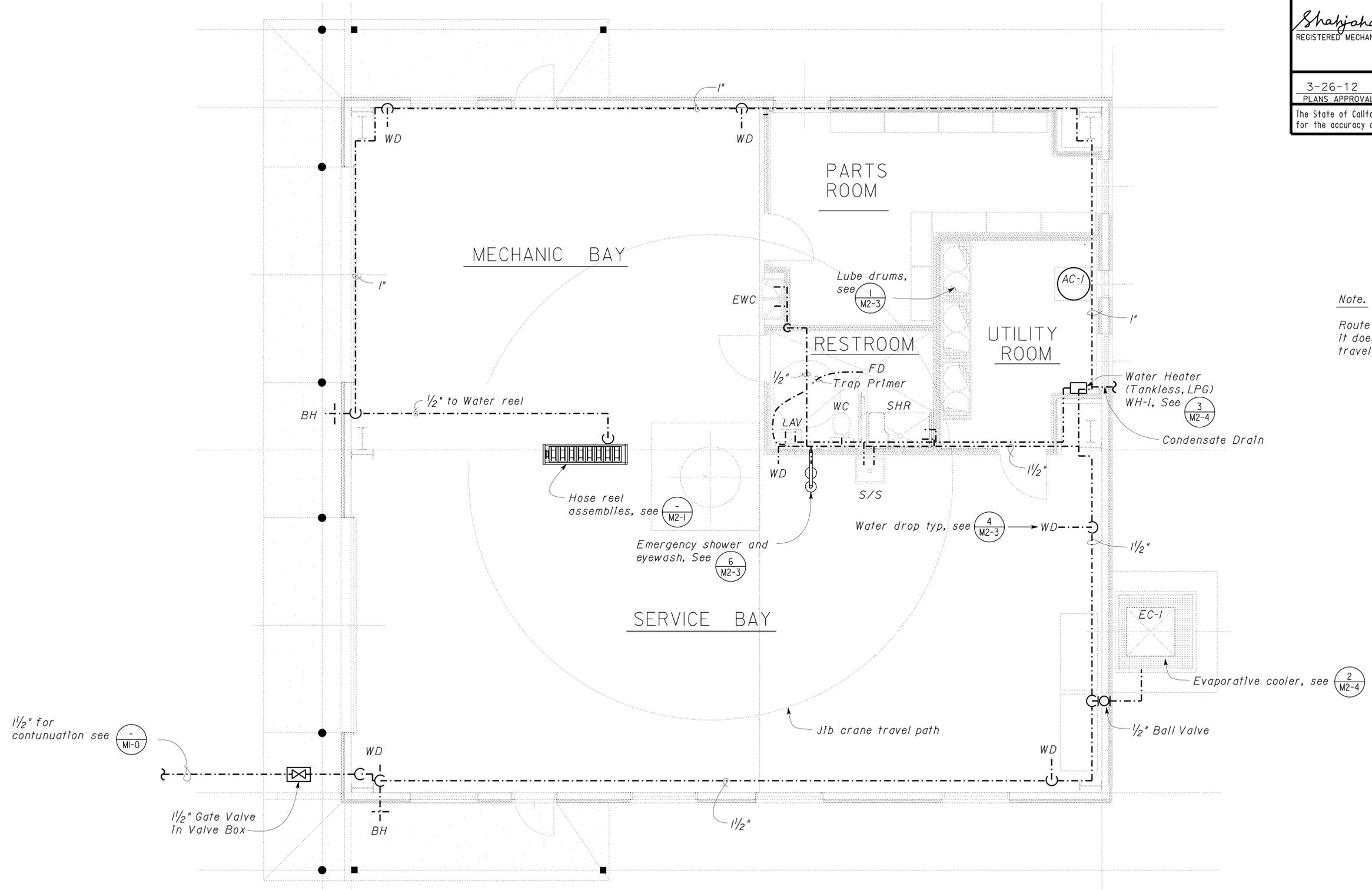


3-26-12
PLANS APPROVAL DATE

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Reviewed by: FRANCIS SOLICH
Approval date: 10-12-11

Note.
Route water pipe in a way that it does not interfere the jib crane travel path.



WATER PLAN
Scale: 1/4" = 1'-0"

DESIGN	BY Jesus Ramirez	CHECKED Shahjahan Ali
DETAILS	BY A. Chen	CHECKED Shahjahan Ali
QUANTITIES	BY Jesus Ramirez	CHECKED Shahjahan Ali

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 48M5710
POST MILE X
LEE VINING MAINTENANCE STATION MECHANICS FACILITY
PLUMBING PLAN I

SHEET M1-1

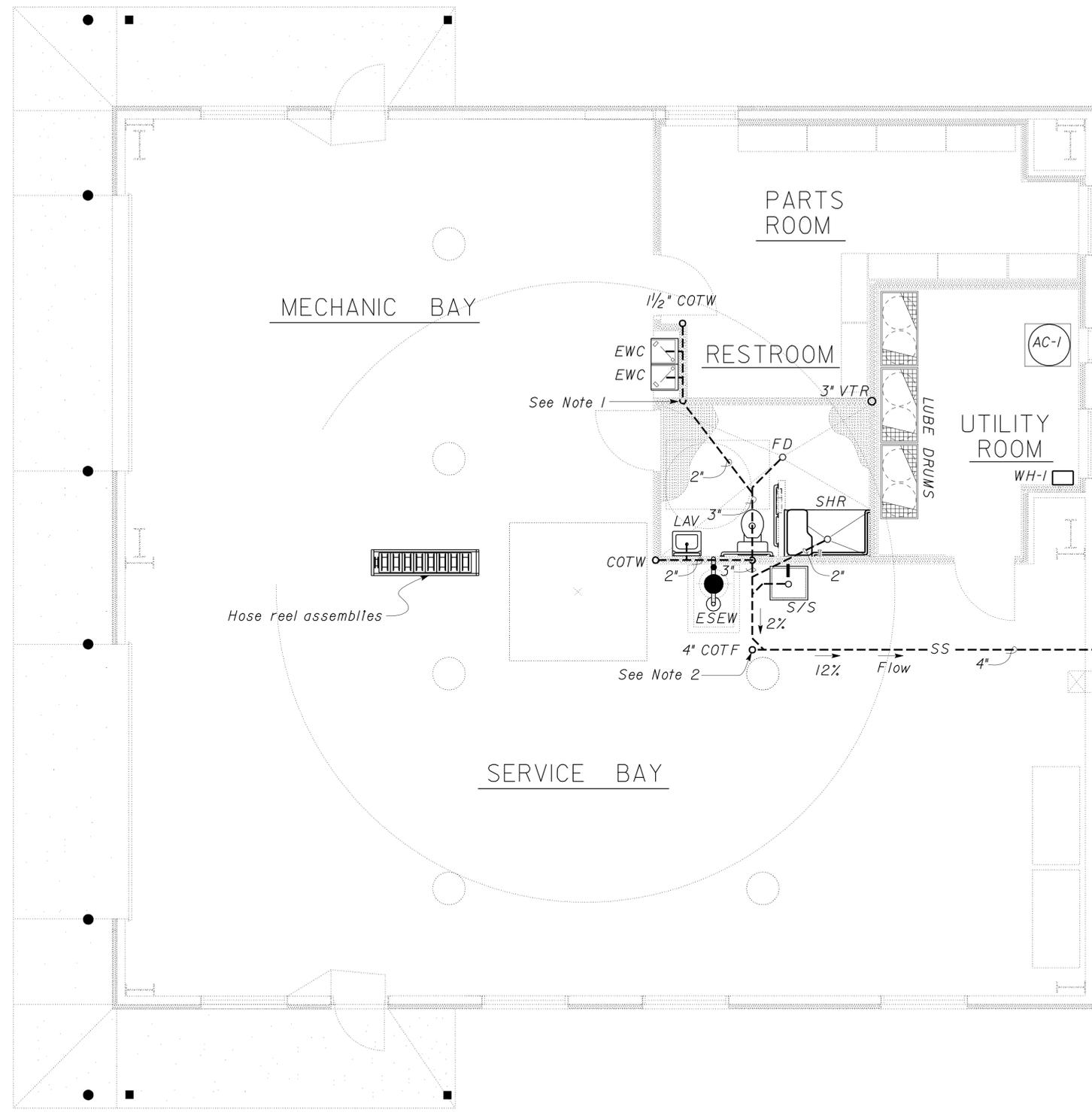
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	66	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 DATE 12-07-11
 PLANS APPROVAL DATE 3-26-12

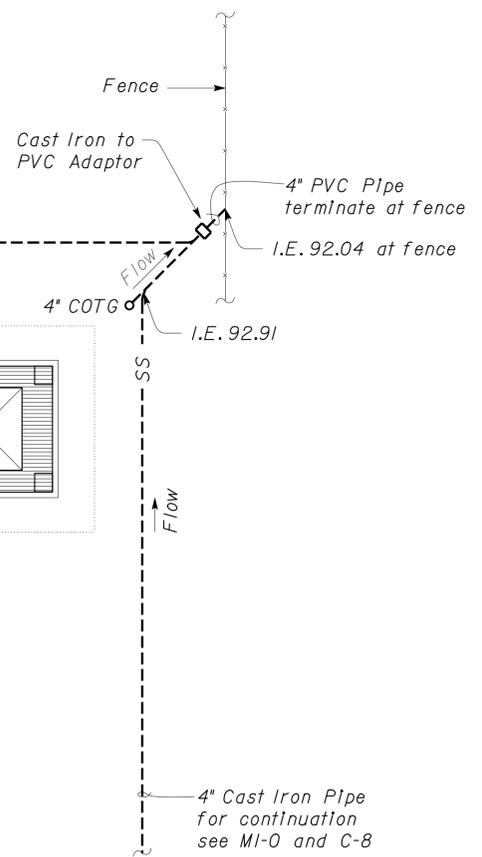
No. 32144
 Exp. 09/30/12
 MECH
 STATE OF CALIFORNIA

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CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 10-12-11



- Notes:**
- Contractor to drop sewer line 36" below finish slab and slope at 2% towards cleanout thru floor (COTF).
 - Contractor to maintain a 12% slope from COTF to the fence to match I.E.92.04 at the fence.



SEWER PLAN
 Scale: 1/4" = 1'-0"

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DESIGN BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY PLUMBING PLAN II	SHEET M1-2 OF
	DETAILS BY <i>A.Chen</i> CHECKED <i>Shahjahan Ali</i>			POST MILE X		
	QUANTITIES BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>			UNIT PROJECT NUMBER & PHASE 3615 09000200991		
DISREGARD PRINTS BEARING EARLIER REVISION DATES				REVISION DATES (PRELIMINARY STAGE ONLY) 07-12-11 08-12-11 09-15-11 12-07-11		

23-MAR-2012 08:20 m1_2.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	67	93

Shahjahan Ali
REGISTERED MECHANICAL ENGINEER

12-07-11
DATE



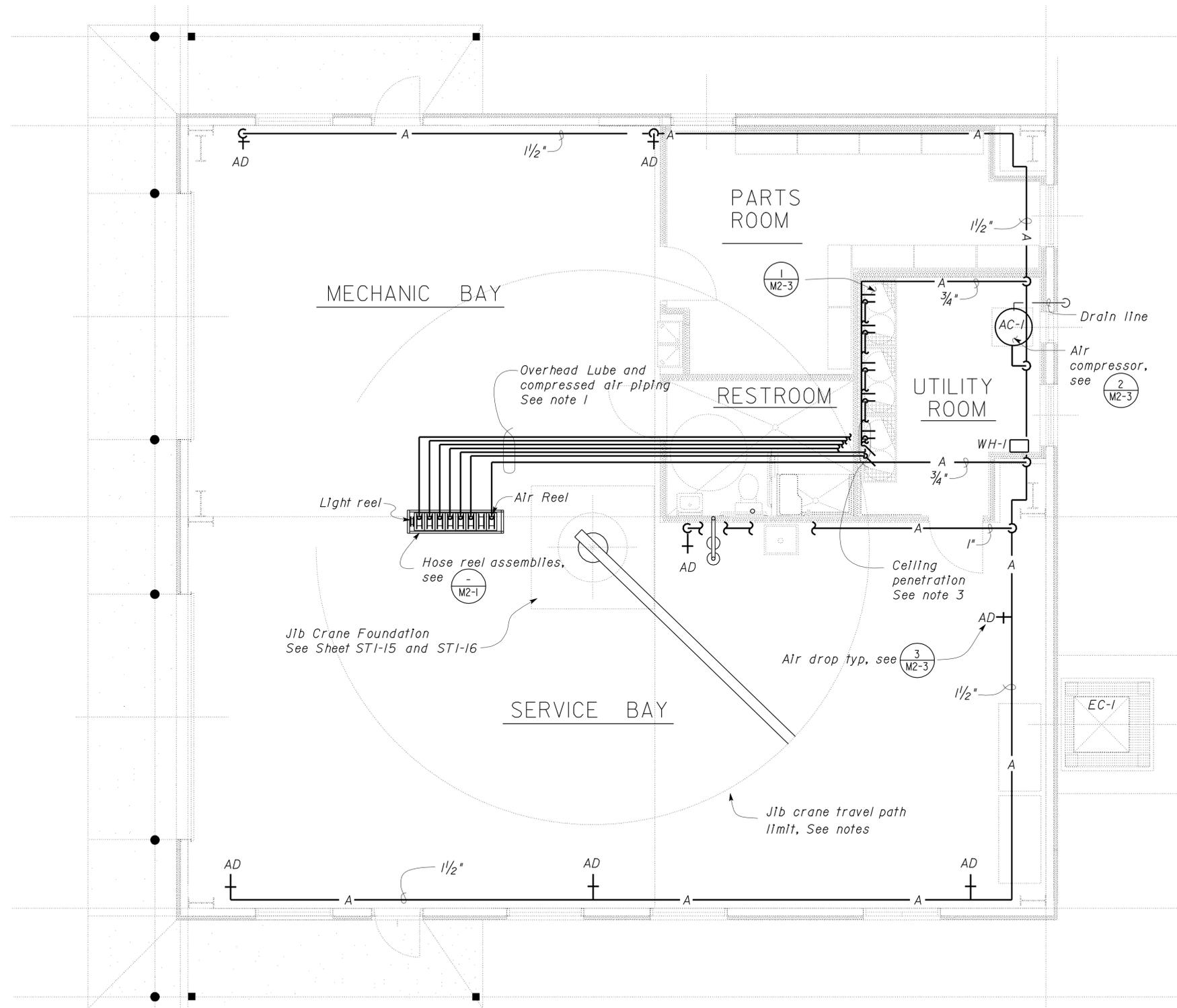
3-26-12
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: FRANCIS SOLICH
Approval date: 10-12-11



- Notes.**
1. Run lube and compressed air piping above jib crane travel path.
 2. Route all piping in such a way that they do not interfere with the jib crane travel path.
 3. Run lube and compressed air piping 16 feet above finished floor after penetrating the ceiling outside the jib crane travel path.

LUBE AND COMPRESSED AIR PLAN
Scale: 1/4" = 1'-0"

DESIGN	BY Jesus Ramirez	CHECKED Shahjahan Ali
DETAILS	BY A. Chen	CHECKED Shahjahan Ali
QUANTITIES	BY Jesus Ramirez	CHECKED Shahjahan Ali

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	48M5710
POST MILE	X

LEE VINING MAINTENANCE STATION
MECHANICS FACILITY
PLUMBING PLAN 3

SHEET M1-3 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	68	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 No. 32144
 Exp 09/30/12
 MECH
 STATE OF CALIFORNIA

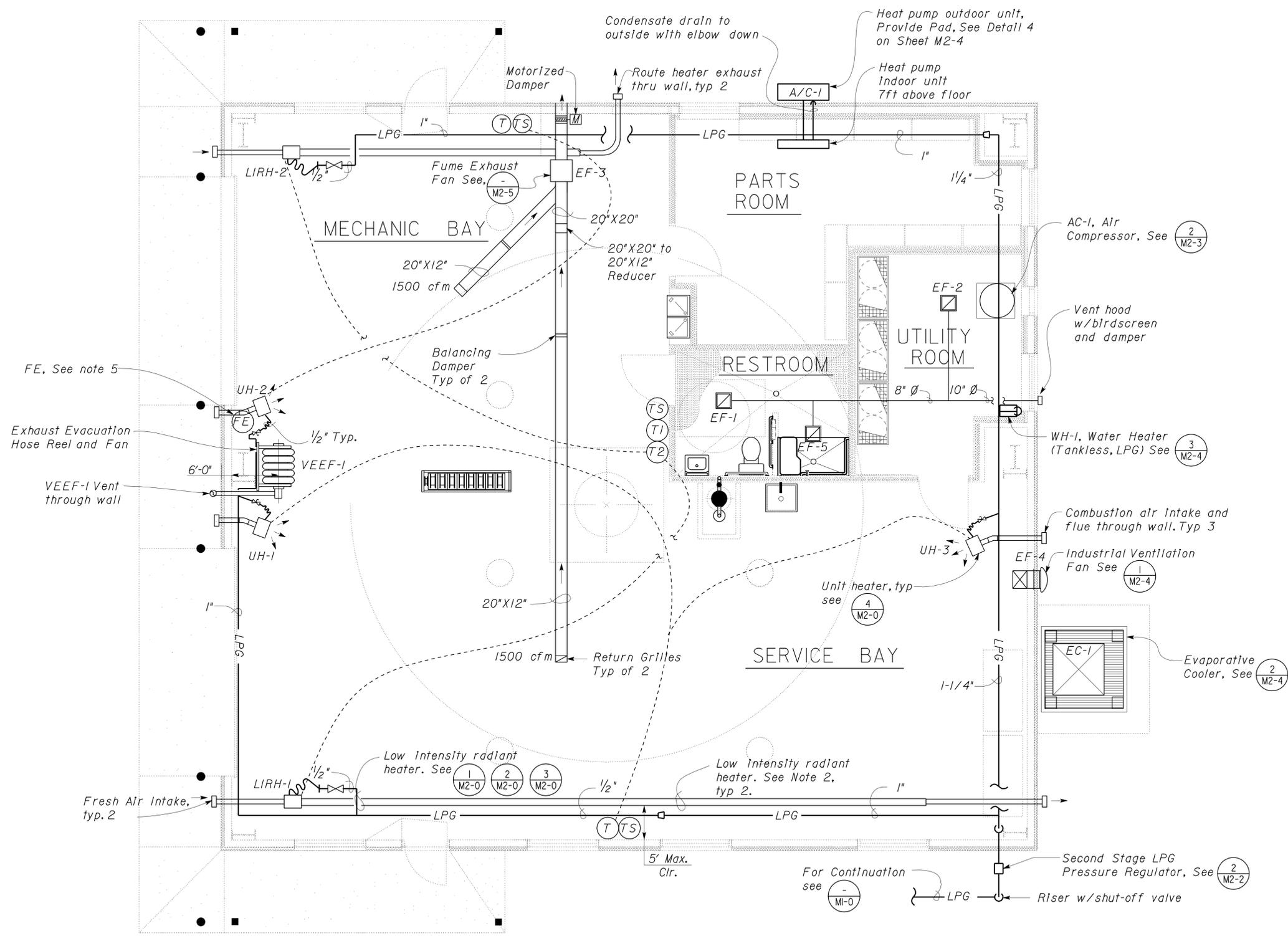
12-07-11
 DATE

3-26-12
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CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: FRANCIS SOLICH
 Approval date: 10-12-11



- Notes.
- Contractor shall field inspect and verify existing structures and underground utility lines before fabrication and construction work.
 - Unit Heaters shall be supported from the roof structures and installed per manufacturer's recommendations and at 15 feet above finished floor.
 - Exhaust Evacuation Hose Reel and Fan shall be supported from the steel trusses and installed at 13 feet above finished floor.
 - Provide back draft damper in duct at discharge side of each exhaust fan EF-1, EF-2 and EF-5.
 - FE, Fire Extinguisher shall be 4A:80B:C.

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

DESIGN BY Jesus Ramirez CHECKED Shahjahan Ali DETAILS BY A. Chen CHECKED Shahjahan Ali QUANTITIES BY Jesus Ramirez CHECKED Shahjahan Ali	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICAL FACILITY	SHEET M1-4
	UNIT PROJECT NUMBER & PHASE 3615 09000200991			HVAC PLAN	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY) 07-12-11 08-12-11 09-15-11 12-07-11

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	69	93

Shahjahan Ali
REGISTERED MECHANICAL ENGINEER

12-07-11
DATE



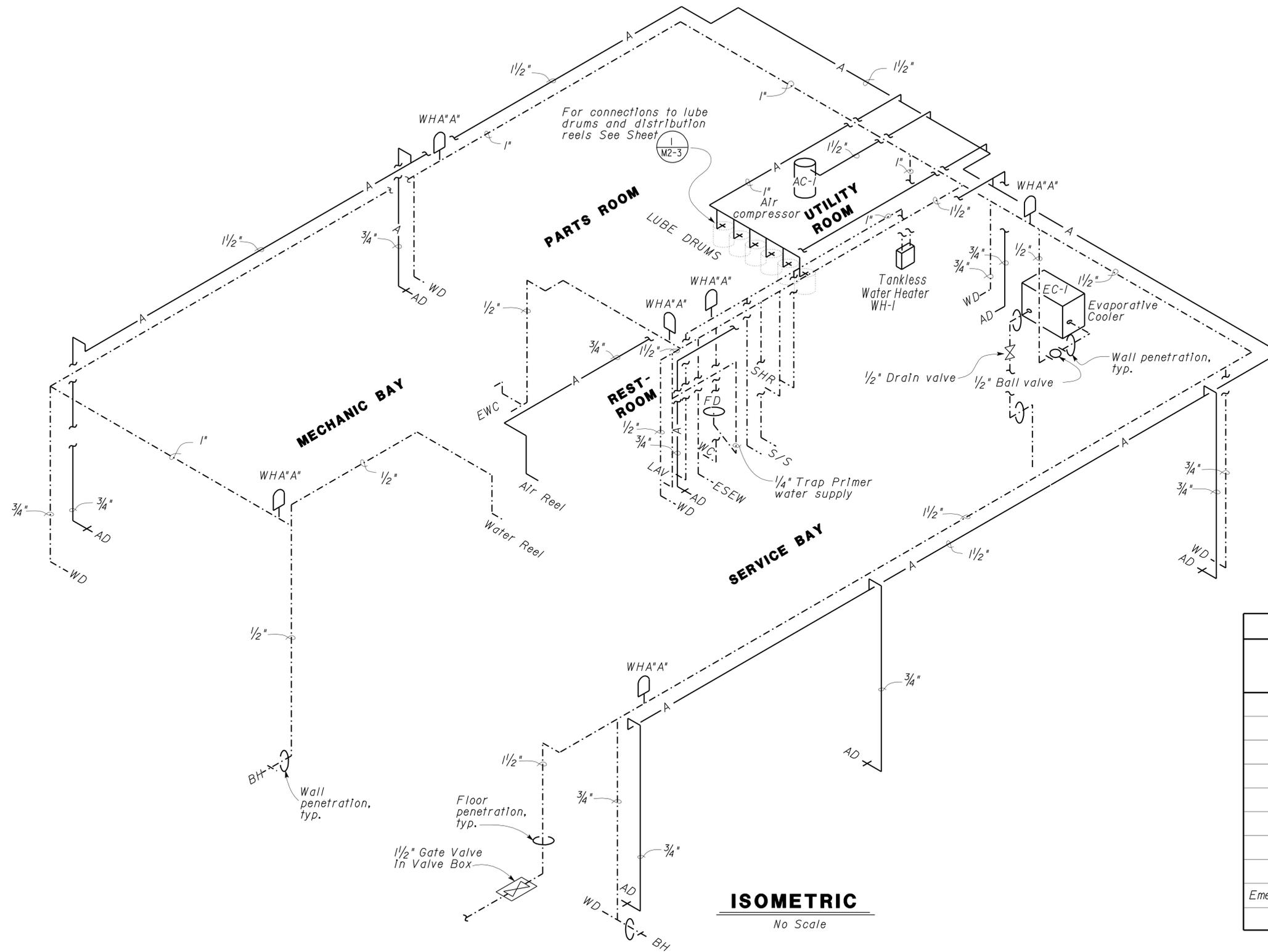
3-26-12
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: FRANCIS SOLICH
Approval date: 10-12-11



ISOMETRIC
No Scale

Fixture	Minimum Connection	
	Cold Water Inch	Hot Water Inch
Lavatory	1/2"	1/2"
Tankless Water Heater	1"	1"
Shower	1/2"	1/2"
Electric Water Cooler	1/2"	—
Water Closet	1"	—
Service Sink	3/4"	3/4"
Water Drop	3/4"	—
Box Hydrant	3/4"	—
Emergency Eyewash & Shower	1 1/4"	—
Evaporative Cooler	1/2"	—

DESIGN	BY Jesus Ramirez	CHECKED Shahjahan Ali
DETAILS	BY A. Chen	CHECKED Shahjahan Ali
QUANTITIES	BY Jesus Ramirez	CHECKED Shahjahan Ali

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 48M5710
POST MILE X
LEE VINING MAINTENANCE STATION MECHANICS FACILITY
AIR AND WATER ISOMETRIC

SHEET M1-5 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	70	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 12-07-11
 DATE



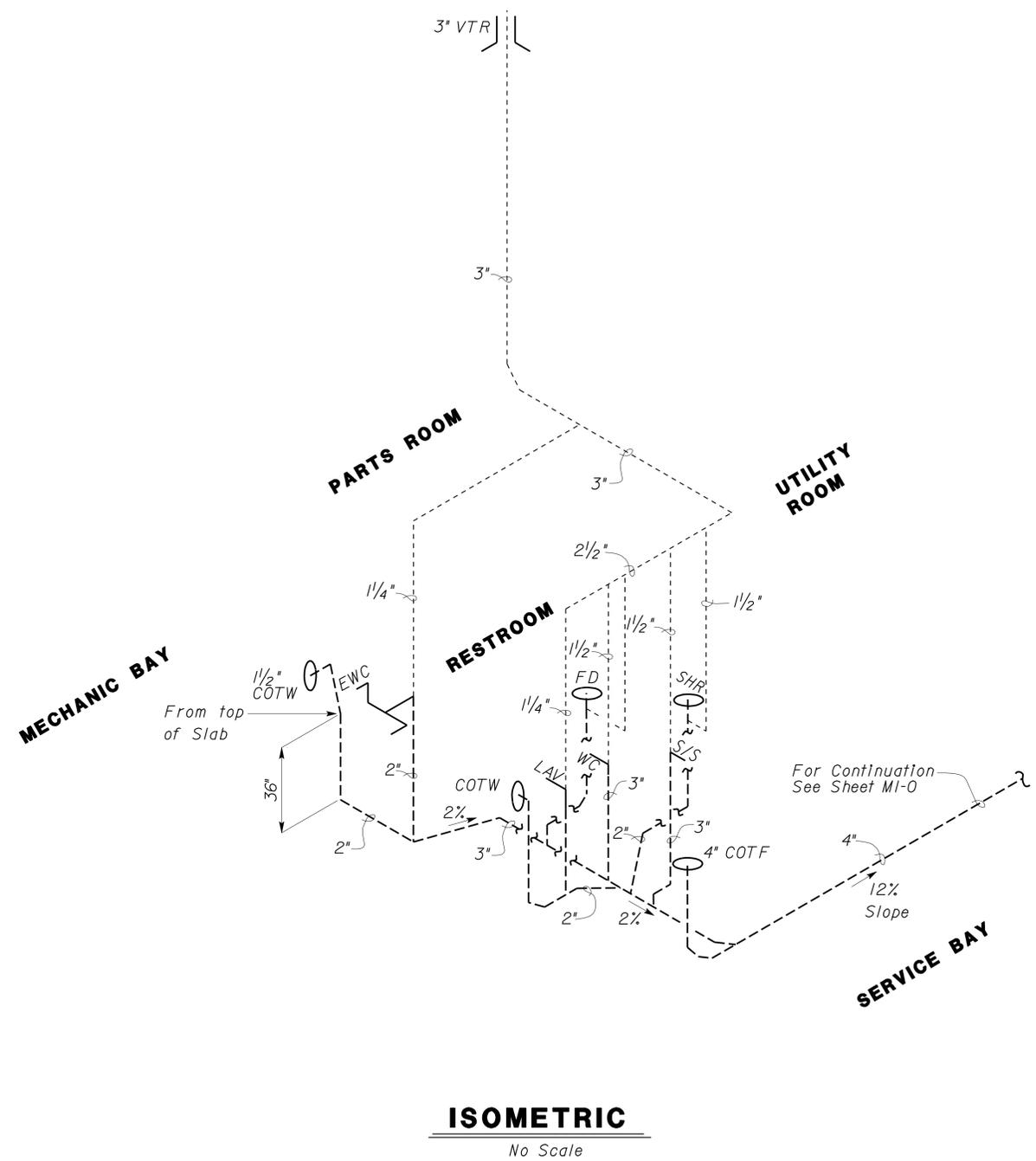
3-26-12
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Reviewed by: *[Signature]*
 FRANCIS SOLICH
 Approval date: 10-12-11



PLUMBING SCHEDULE			
Fixture	Drainage Rough-In	Trap Inch	Vent Inch
Lavatory	2"	1/4"	1/4"
Electric Water Cooler	2"	1/4"	1/4"
Shower	2"	2"	1/2"
Water Closet	3"	--	1/2"
Floor Drain	2"	2"	1/2"
Service Sink	3"	3"	1/2"

DESIGN BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i> DETAILS BY <i>A. Chen</i> CHECKED <i>Shahjahan Ali</i> QUANTITIES BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICS FACILITY SANITARY SEWER ISOMETRIC	SHEET M1-6
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3615 09000200991 EA 000000	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 07-13-11 08-12-11 09-15-11 12-07-11		SHEET OF _____ OF _____
	TAEMWW Imperial Rev. 7/10 m1_6.dgn				

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	71	93

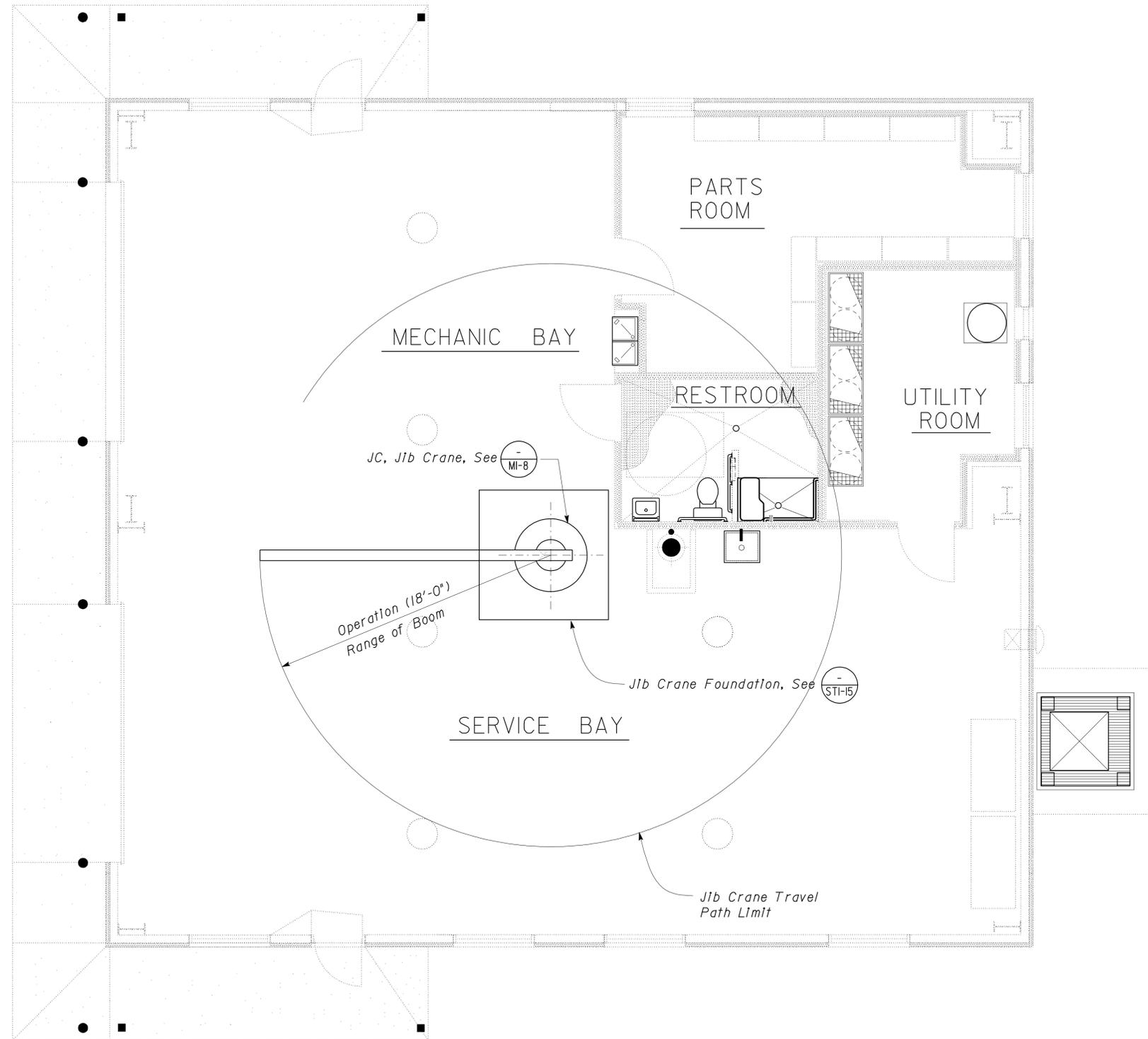
Shahjahan Ali
REGISTERED MECHANICAL ENGINEER 12-07-11
DATE



3-26-12
PLANS APPROVAL DATE

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 10-12-11



PLAN

Scale: 1/4" = 1'-0"



TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DESIGN BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY JIB CRANE PLAN	SHEET M1-7 OF
	DETAILS BY <i>A. Chen</i> CHECKED <i>Shahjahan Ali</i>			POST MILE X		
	QUANTITIES BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>			PROJECT NUMBER & PHASE 3615 09000200991		
DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		07-12-11 08-12-11 09-15-11 12-07-11		

23-MAR-2012 08:21 m1_7.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	72	93

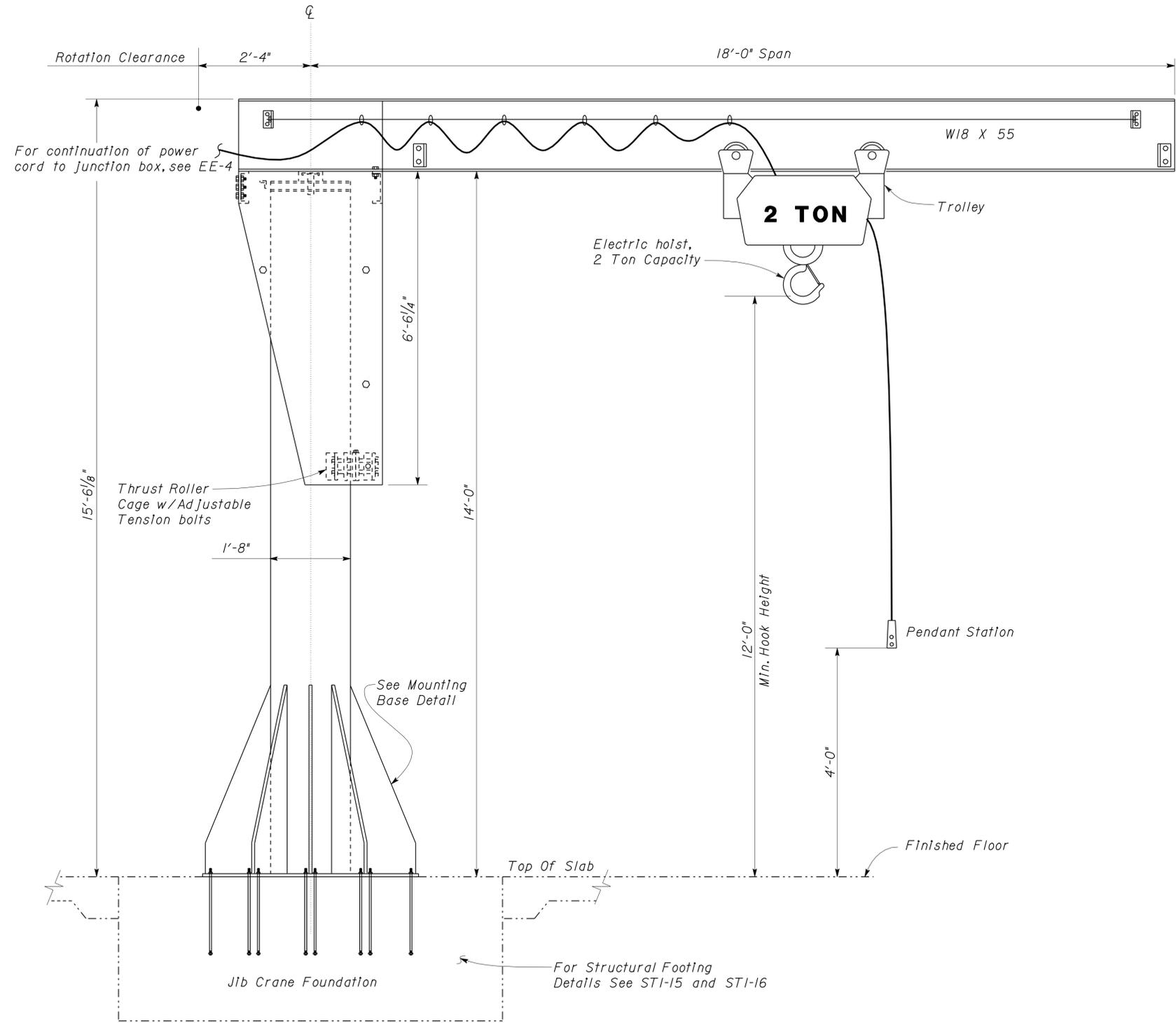
Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 No. 32144
 Exp 09/30/12
 MECH
 STATE OF CALIFORNIA

12-07-11
 DATE

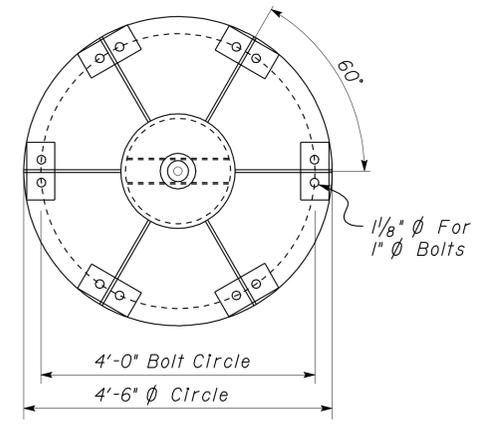
3-26-12
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FRANCIS SOLICH
 Approval date: 10-12-11



JIB CRANE ELEVATION
 Scale: 3/4" = 1'-0"



MOUNTING BASE
 Scale: 3/4" = 1'-0"

DESIGN BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i> DETAILS BY <i>A. Chen</i> CHECKED <i>Shahjahan Ali</i> QUANTITIES BY <i>Jesus Ramirez</i> CHECKED <i>Shahjahan Ali</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET M1-8
			POST MILE X		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3615 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 07-12-11 08-12-11 09-15-11 12-07-11	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	73	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 No. 32144
 Exp 09/30/12
 MECH
 STATE OF CALIFORNIA

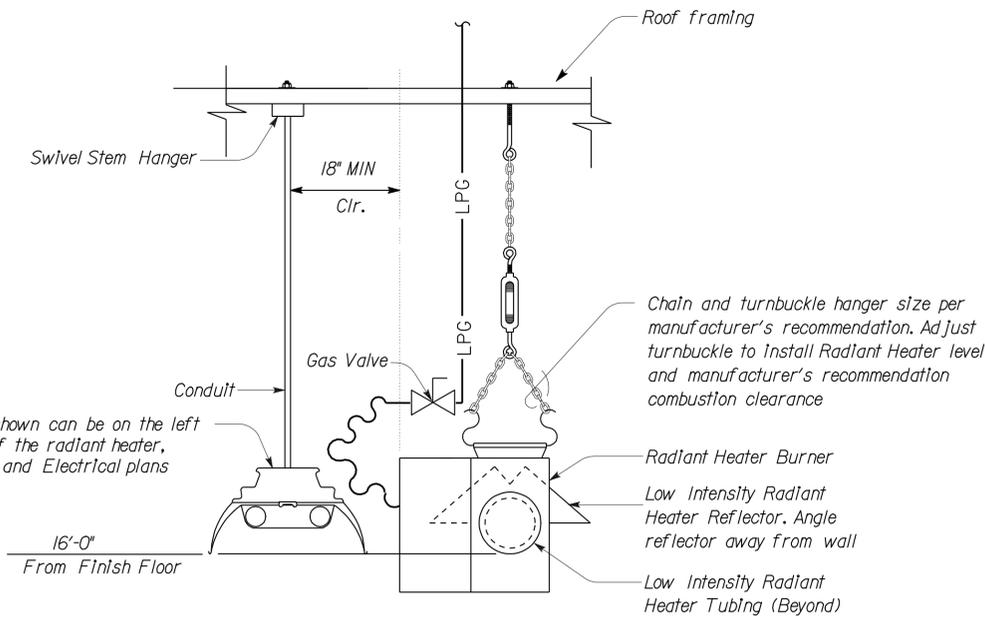
12-07-11
 DATE

3-26-12
 PLANS APPROVAL DATE

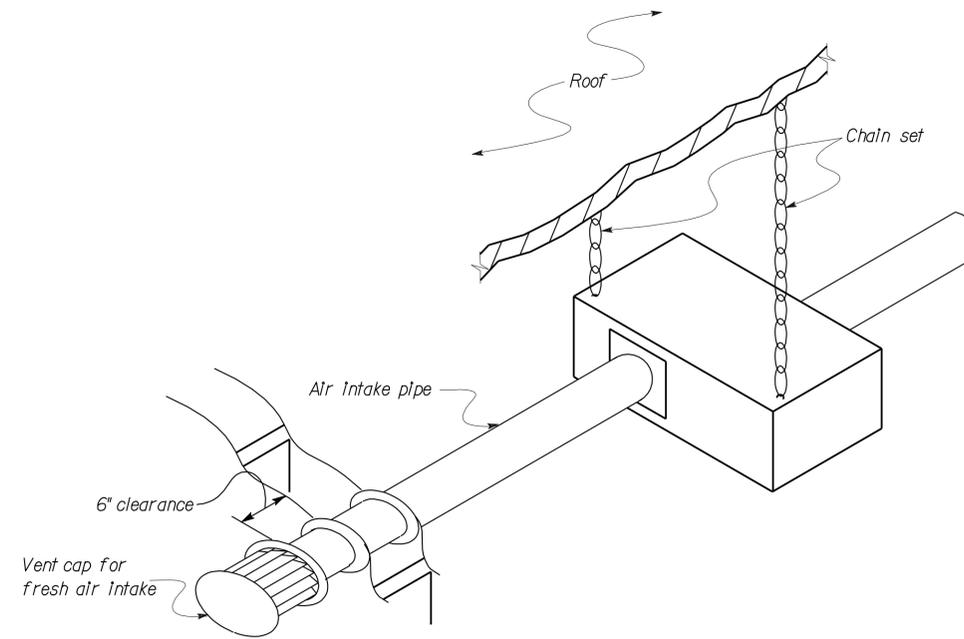
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Reviewed by: *Francis Solich*
FRANCIS SOLICH
 Approval date: 10-12-11

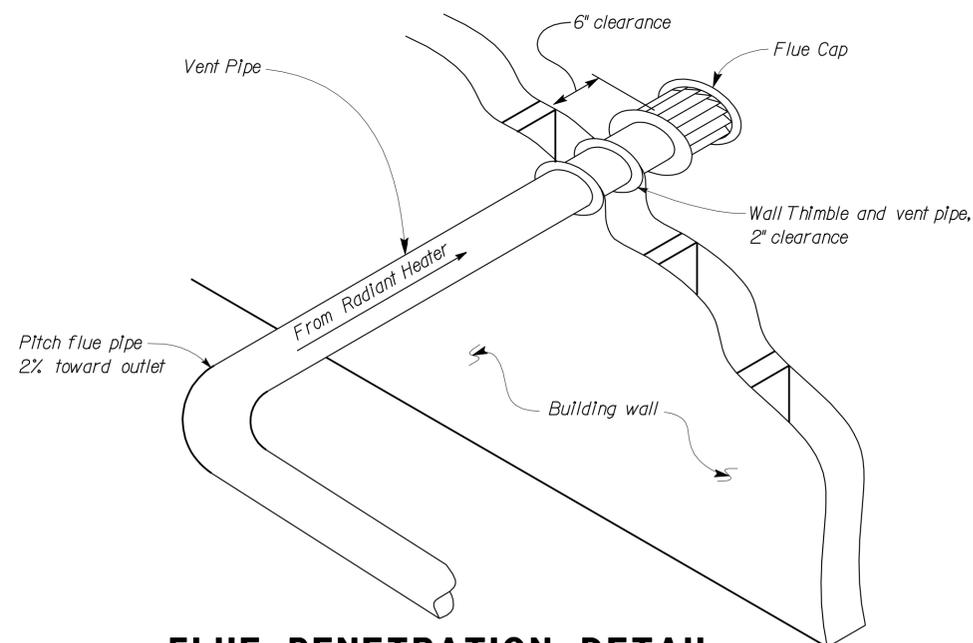


1 LOW INTENSITY RADIANT HEATER
No Scale

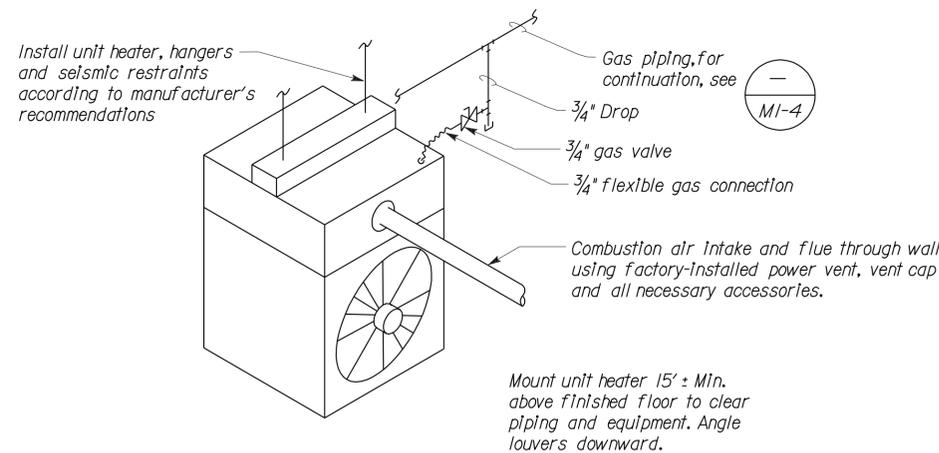


2 TUBE HEATER - THRU WALL AIR INTAKE INSTALLATION
NO SCALE

Note:
Install low intensity radiant heater and unit heaters per manufacturer's recommendations.



3 FLUE PENETRATION DETAIL
NO SCALE



4 UNIT HEATER
No Scale

DESIGN	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>
DETAILS	BY <i>A. Chen</i>	CHECKED <i>Shahjahan Ali</i>
QUANTITIES	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	48M5710
POST MILE	X

LEE VINING MAINTENANCE STATION MECHANICS FACILITY
 MECHANICAL DETAILS I

SHEET M2-0

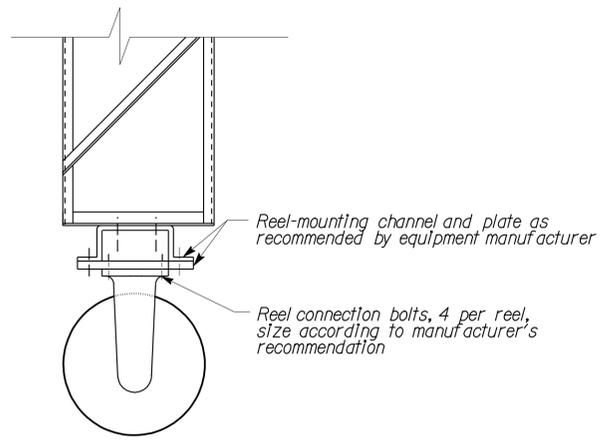
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	74	93

Shahjahan Ali 12-07-11
 REGISTERED MECHANICAL ENGINEER DATE
 3-26-12
 PLANS APPROVAL DATE

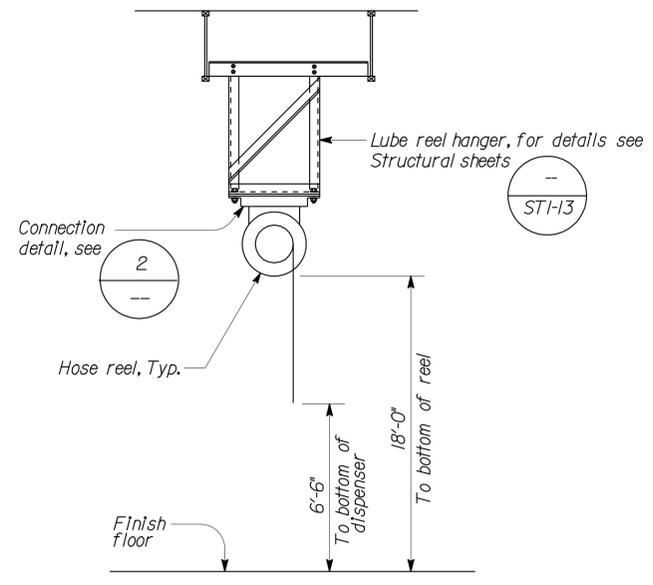


The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

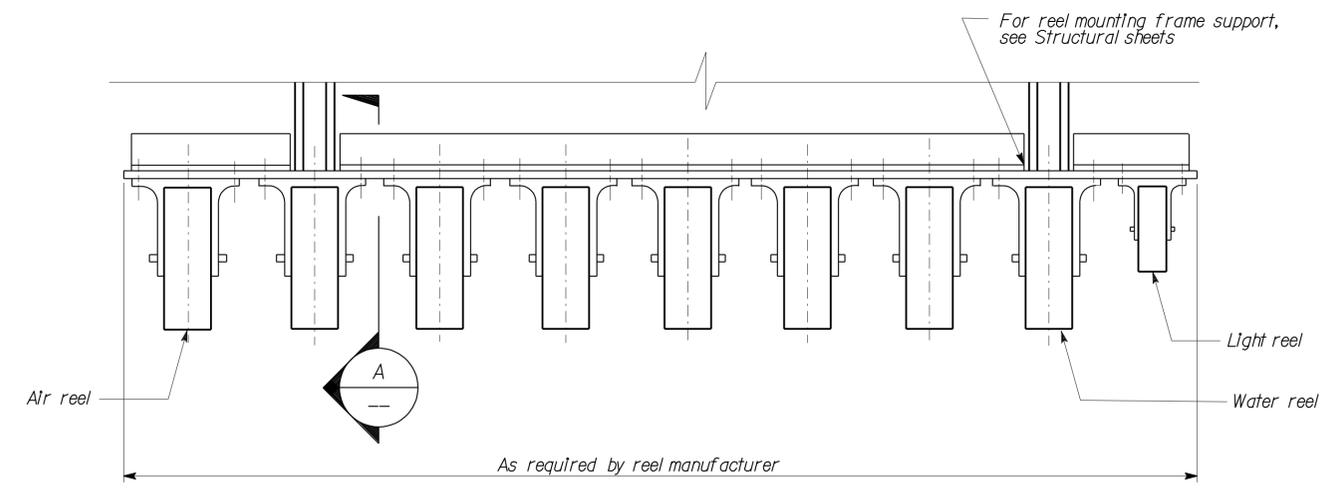
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
 FRANCIS SOLICH
 Approval date: 10-12-11



2 CONNECTION DETAIL
NO SCALE



A LUBE REEL ASSEMBLIES
NO SCALE



1 REEL MOUNTING FRAME
NO SCALE

DESIGN	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>
DETAILS	BY <i>A. Chen</i>	CHECKED <i>Shahjahan Ali</i>
QUANTITIES	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	48M5710
POST MILE	X

LEE VINING MAINTENANCE STATION MECHANICS FACILITY
 MECHANICAL DETAILS II

SHEET **M2-1** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	75	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 No. 32144
 Exp 09/30/12
 MECH
 STATE OF CALIFORNIA

12-07-11
 DATE

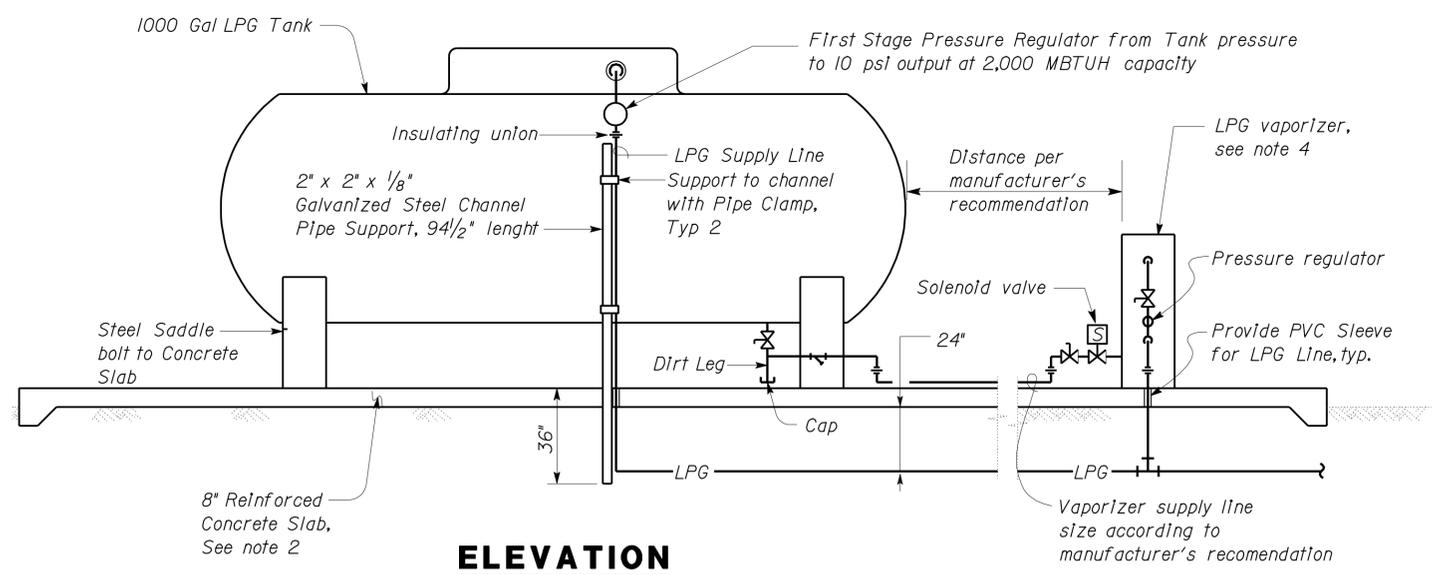
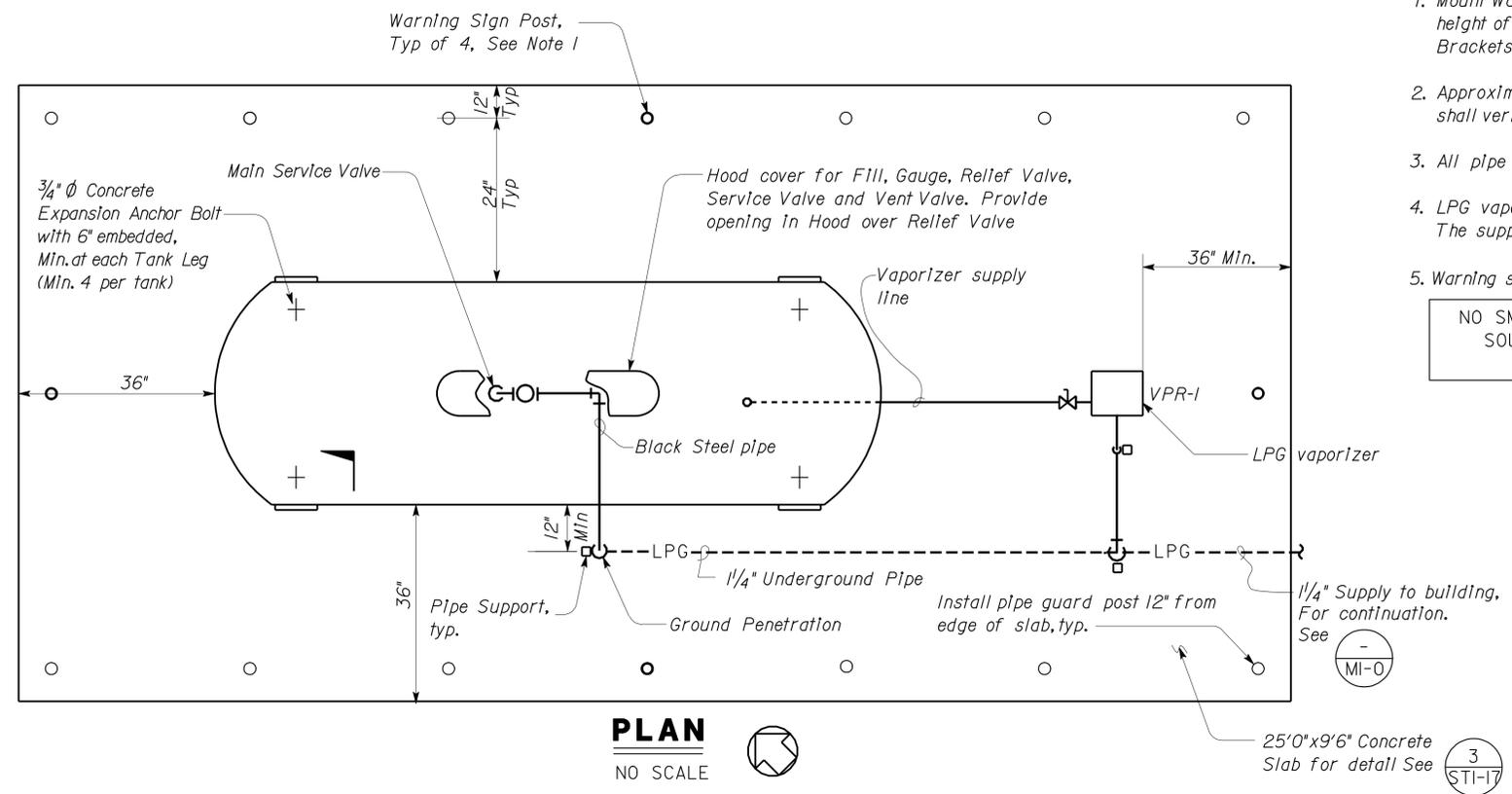
3-26-12
 PLANS APPROVAL DATE

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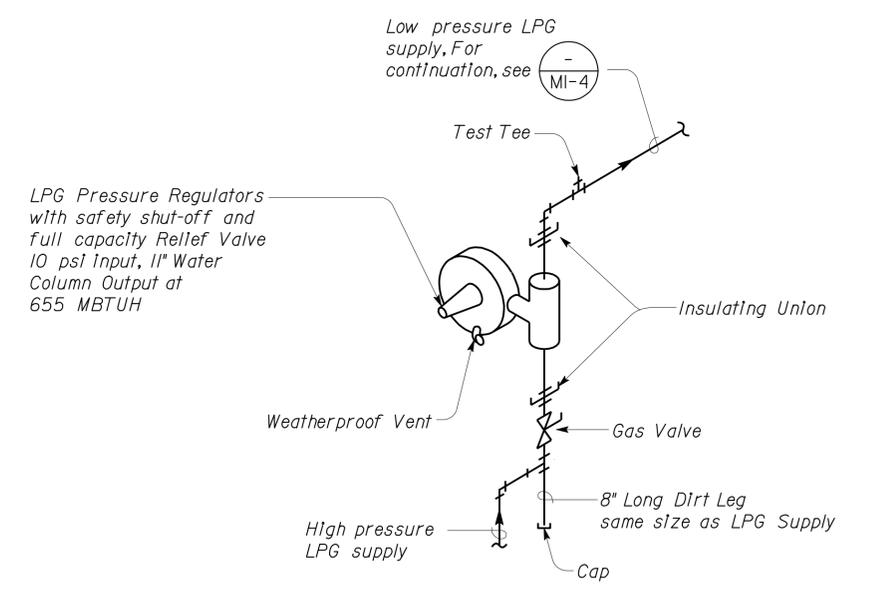
CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: FRANCIS SOLICH
 Approval date: 10-12-11

- Notes:
1. Mount Warning Signs for LPG Tank on 2" Standard Galvanized Steel Pipe at the height of 50" and clamp to the back of guard post with two Stainless Steel Brackets at location as shown.
 2. Approximate LPG Tank Slab dimensions shall be 25'0" x 9'6". Contractor shall verify tank dimensions before pouring slab.
 3. All pipe below grade to be coated black steel.
 4. LPG vaporizer shall be electric type, capable of vaporizing 25 gph LPG @ 0°F. The supply pressure shall match the first stage regulator.
 5. Warning shall be lettered in red letters, 1/2" high, on a white background and shall state the following:

NO SMOKING, OPEN FLAMES OR OTHER SOURCE OF IGNITION PERMITTED WITHIN 50 FEET



1 LPG TANK
 NO SCALE



DESIGN	BY	Jesus Ramirez	CHECKED	Shahjahan Ali	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET M2-2	
	DETAILS	BY	A. Chen	CHECKED			Shahjahan Ali	POST MILE			X
QUANTITIES	BY	Jesus Ramirez	CHECKED	Shahjahan Ali	UNIT	3615	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		OF
PROJECT NUMBER & PHASE					EA 352301		07-13-11 08-12-11 09-15-11 12-07-11			26-MAR-2012 09:21	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	76	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 No. 32144
 Exp. 09/30/12
 MECH
 STATE OF CALIFORNIA

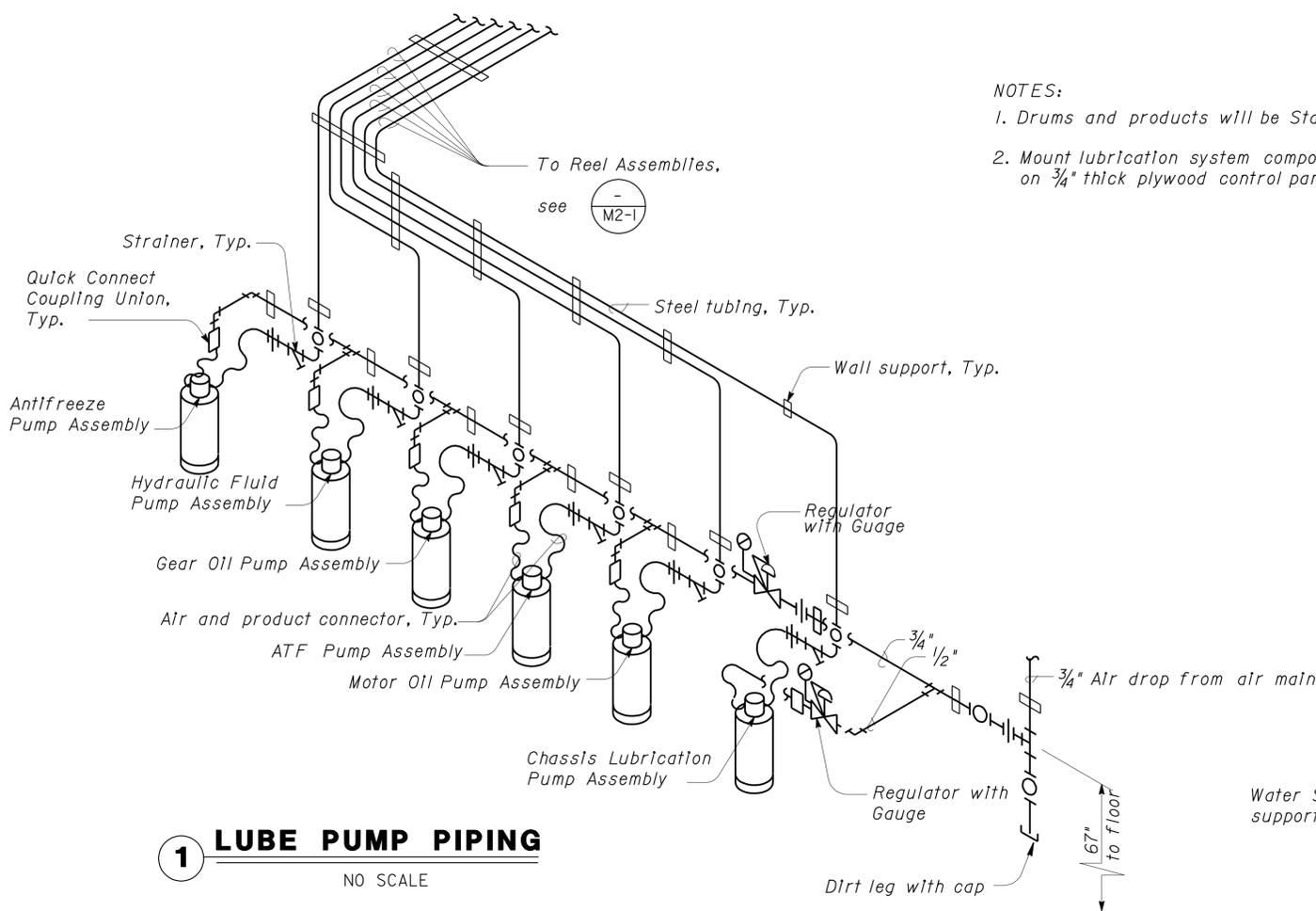
12-07-11
 DATE

3-26-12
 PLANS APPROVAL DATE

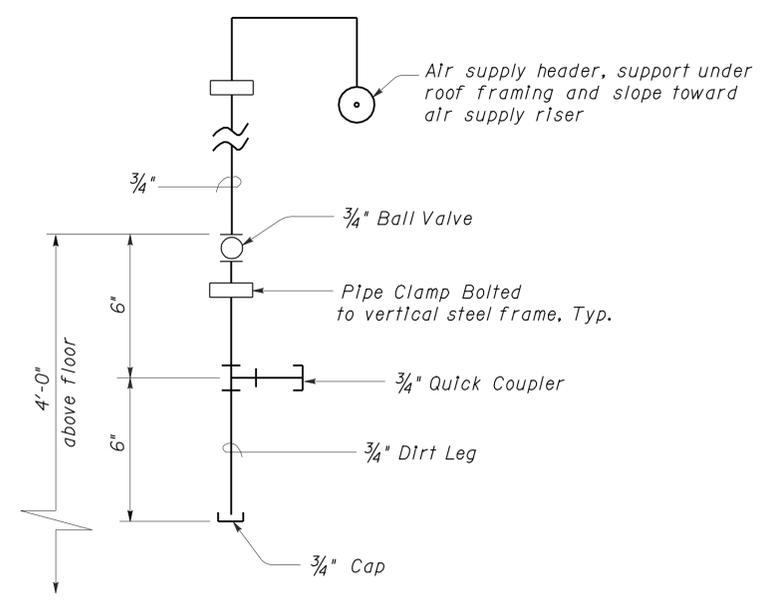
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: **FRANCIS SOLICH**
 Approval date: 10-12-11

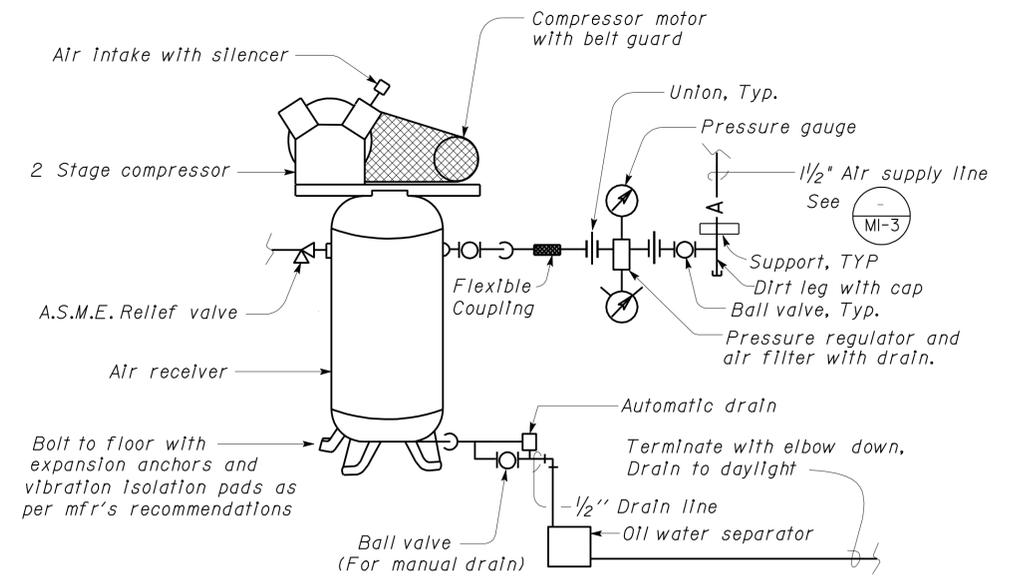
NOTES:
 1. Drums and products will be State furnished.
 2. Mount lubrication system components on 3/4" thick plywood control panel.



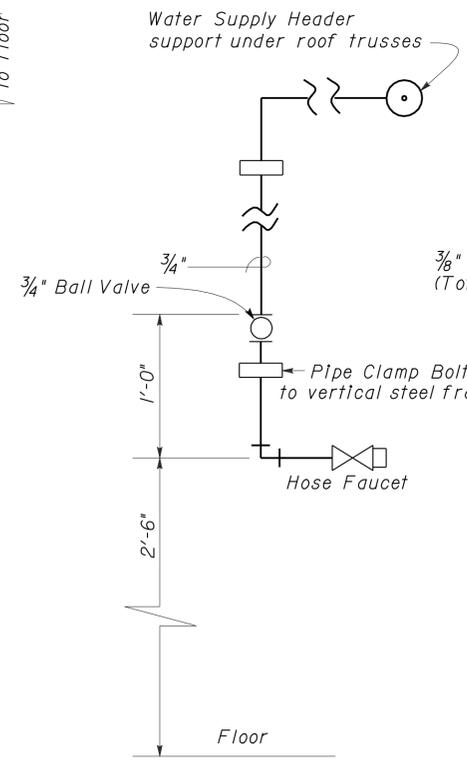
1 LUBE PUMP PIPING
 NO SCALE



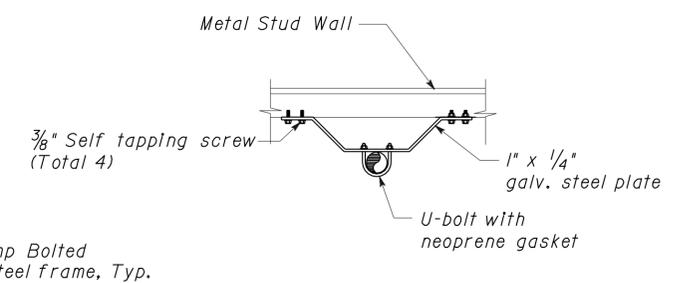
3 AIR DROP
 No Scale



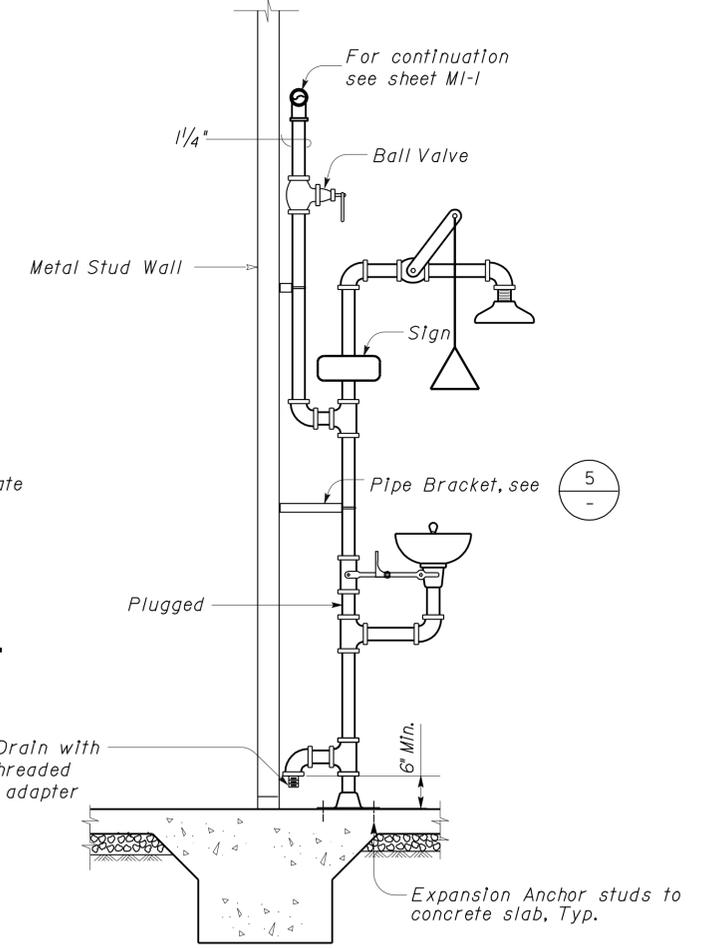
2 AIR COMPRESSOR
 No Scale



4 WATER DROP
 No Scale



5 EMERGENCY EYEWASH AND SHOWER BRACKET
 NO SCALE



6 EMERGENCY EYEWASH AND SHOWER
 NO SCALE

DESIGN	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>
DETAILS	BY <i>A. Chen</i>	CHECKED <i>Shahjahan Ali</i>
QUANTITIES	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	48M5710
POST MILE	X

LEE VINING MAINTENANCE STATION MECHANICS FACILITY
 MECHANICAL DETAILS IV

SHEET **M2-3** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	77	93

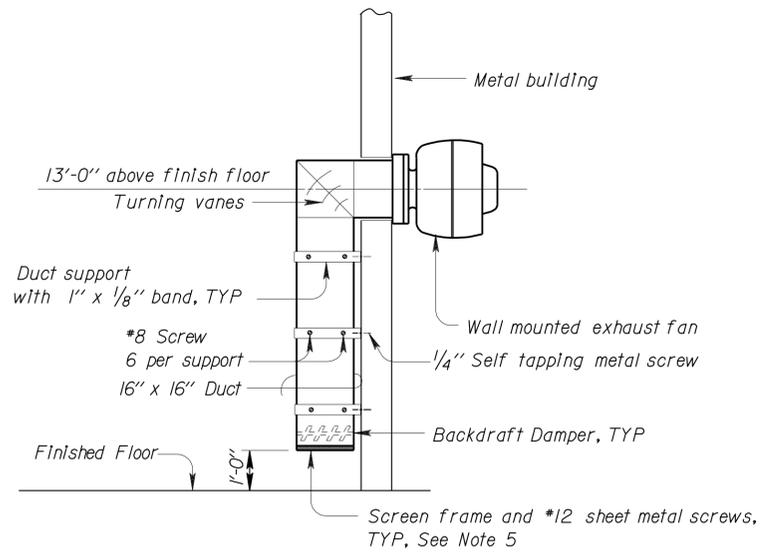
<i>Shahjahan Ali</i>		12-07-11
REGISTERED MECHANICAL ENGINEER	DATE	

3-26-12
PLANS APPROVAL DATE

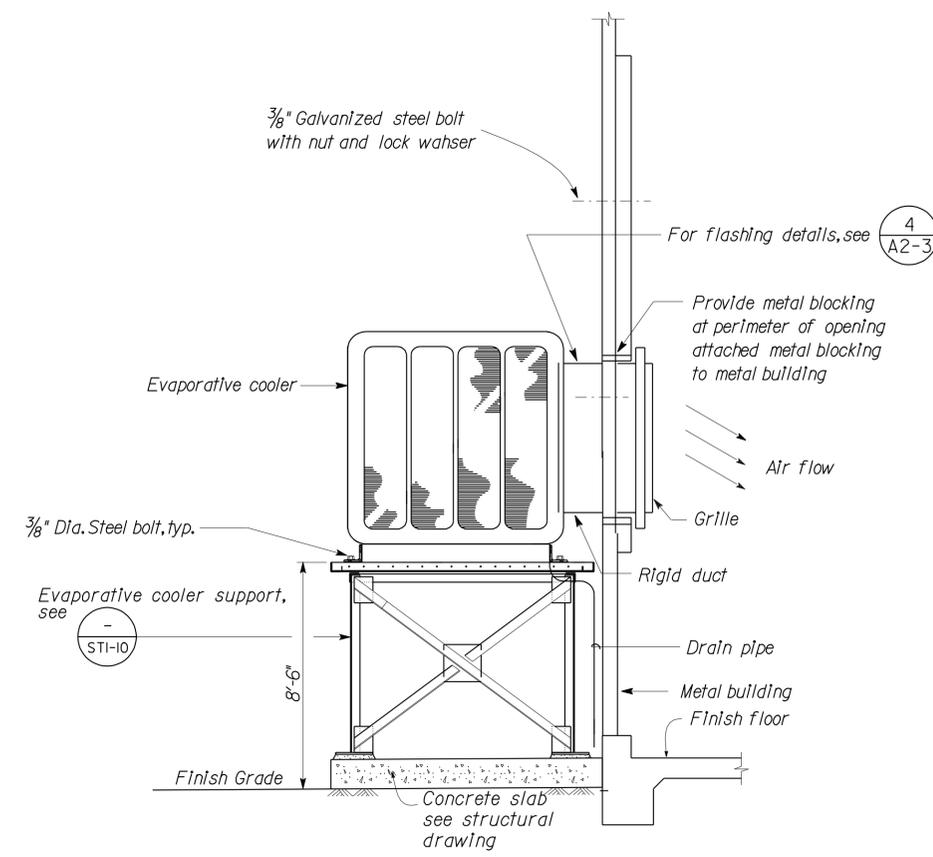
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



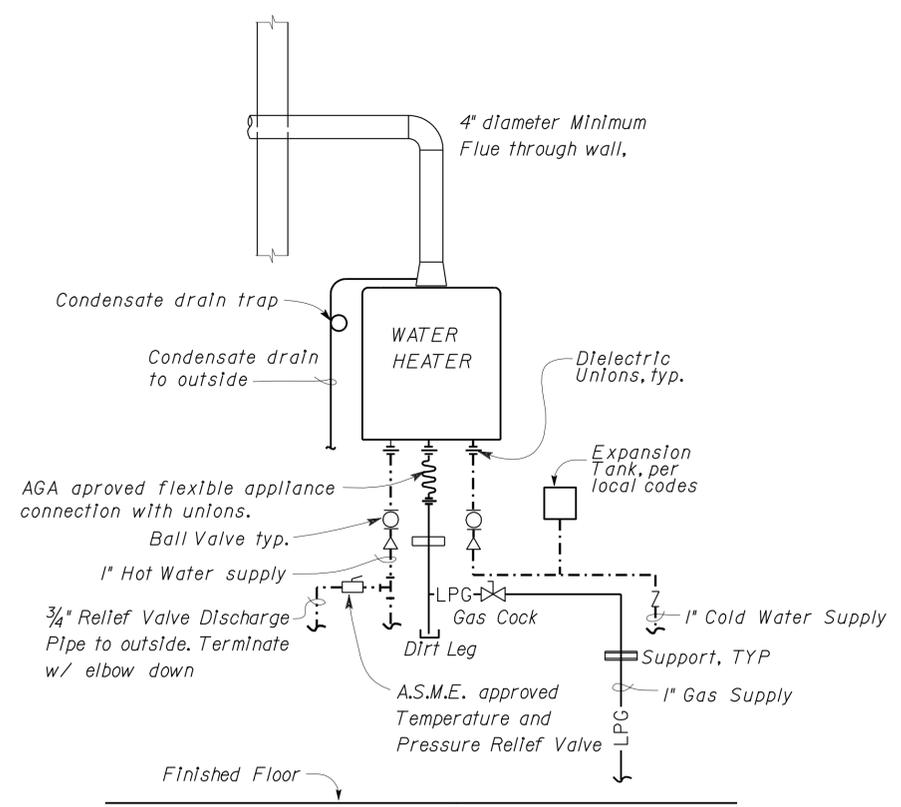
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 10-12-11



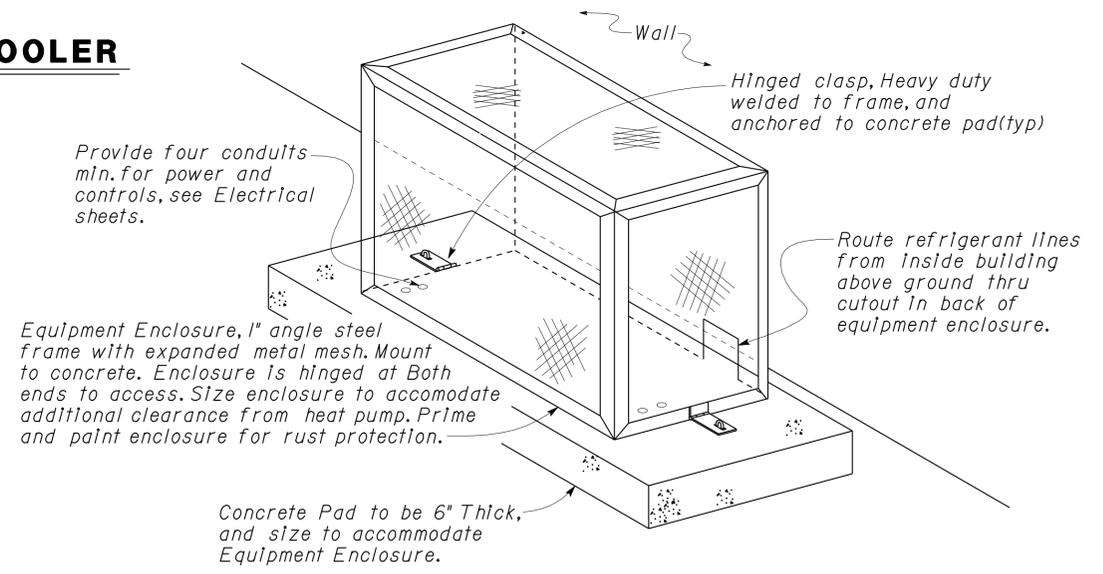
1 INDUSTRIAL VENTILATION FAN
 No Scale



2 EVAPORATIVE COOLER
 No Scale



3 WATER HEATER (TANKLESS, LPG)
 No Scale



4 EQUIPMENT ENCLOSURE
 No Scale

NOTE:
 The enclosure shall encompass the heat pump. Center the enclosure on the concrete pad and then evenly space the unit within the enclosure. Submit working drawings for approval.

DESIGN	BY	Jesus Ramirez	CHECKED	Shahjahan Ali	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY MECHANICAL DETAILS V	SHEET M2-4	
	DETAILS	BY	A. Chen	CHECKED			Shahjahan Ali	POST MILE			X
	QUANTITIES	BY	Jesus Ramirez	CHECKED			Shahjahan Ali	UNIT PROJECT NUMBER & PHASE			3615 09000200991
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	EA 352301	07-13-11 08-12-11 09-15-11 12-07-11			23-MAR-2012 08:57	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	78	93

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 No. 32144
 Exp. 09/30/12
 MECH
 STATE OF CALIFORNIA

12-07-11
 DATE

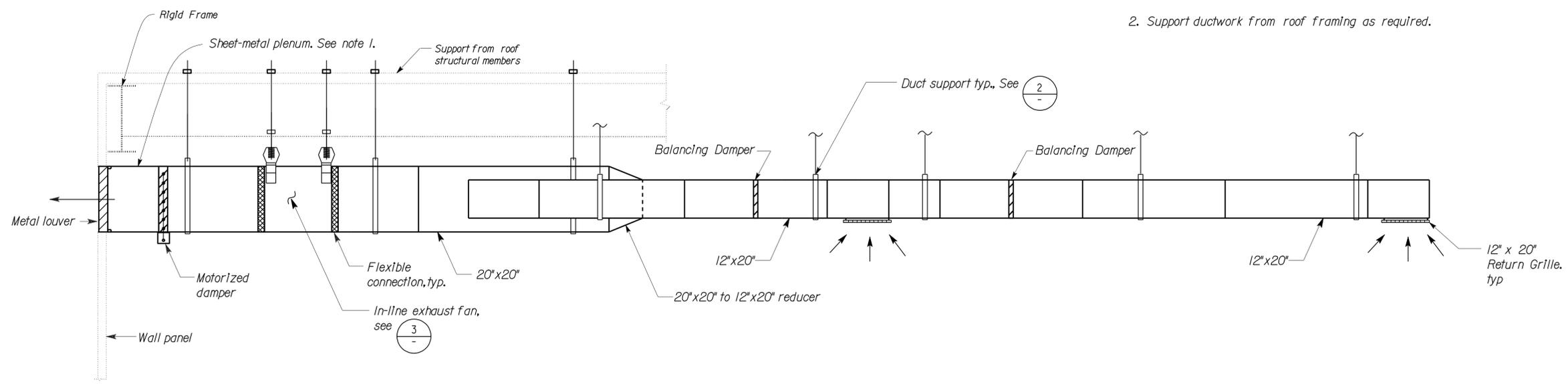
3-26-12
 PLANS APPROVAL DATE

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.

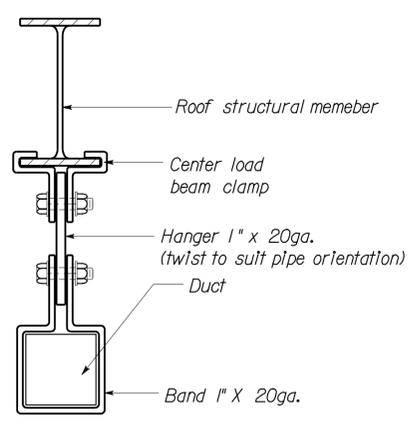
CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 10-12-11

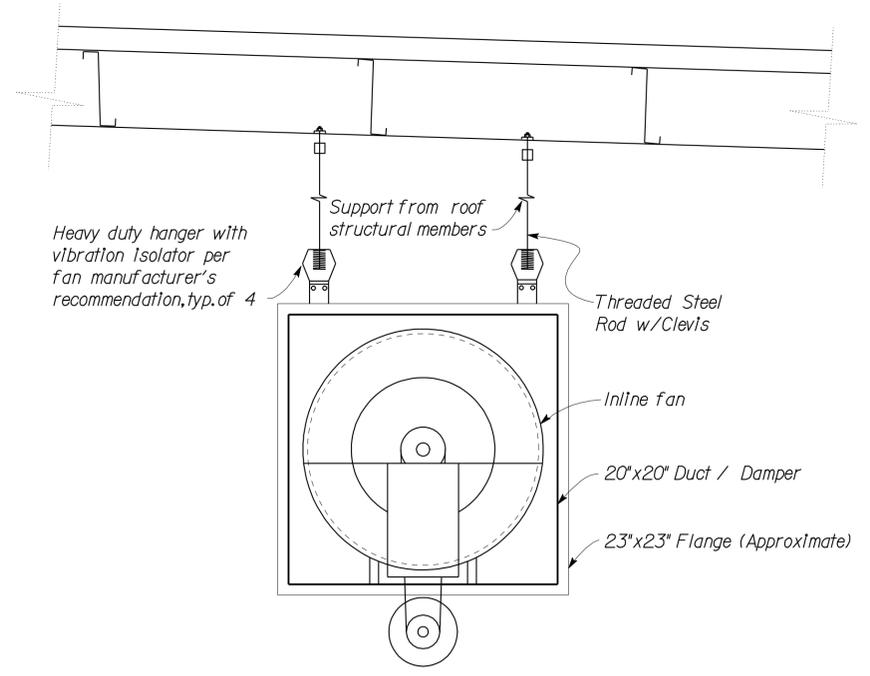
- Note:*
- Sheet-metal Plenum shall cover the entire Louver area. The depth of Plenum shall fit below the roof framing.
 - Support ductwork from roof framing as required.



1 FUME EXHAUST DUCT ELEVATION
No Scale



2 DUCT SUPPORT
No Scale



3 FUME EXHAUST FAN
No Scale

DESIGN	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>
DETAILS	BY <i>A. Chen</i>	CHECKED <i>Shahjahan Ali</i>
QUANTITIES	BY <i>Jesus Ramirez</i>	CHECKED <i>Shahjahan Ali</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	48M5710
POST MILE	X

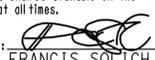
LEE VINING MAINTENANCE STATION MECHANICS FACILITY
 MECHANICAL DETAILS VI

SHEET **M2-5** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	79	93


 Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 12-07-11
 DATE

3-26-12
 PLANS APPROVAL DATE
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CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-12-11

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SPLIT SYSTEM HEAT PUMP (Ductless): WT = 30 lbs, Qty. = 1 Office Parts Room Cooling Capacity : 12,000 Btuh nominal, @ 95F Ambient temperature and 80F DB/67F WB Indoor temperature Heating Capacity : 13,600 Btuh nominal, @ 18F Ambient temperature and 70F DB/60F WB Indoor temperature Evap. Blower : 250 cfm @ 0 Inch E.S.P. SEER: 22 Unit Electrical : 230 V- 1Ph - 60Hz HSPF: 10 Route condensate drain pipe to outdoor above grade.		UNIT HEATER: WT = 150 lbs, Qty. = 3 Input Capacity : 75,000 Btuh burner, propane gas Evap. Blower : 800 cfm @ 0 Inch E.S.P. Unit Electrical : 1/4 Hp 115 V- 1Ph - 60Hz Unit heaters shall be controlled by wall mounted thermostats and time switches (4 hrs dial).		JIB CRANE AND HOIST: WT = 180 lbs, Qty. = 1 Capacity : 2 Ton Unit Electrical : 1.2 Hp, 230 V- 1Ph - 60Hz Hoist shall be operated by hand held pendant control.
	EXHAUST FAN (ceiling mounted): WT= 15 lbs. Quantity = 1 Restroom Air : 150 cfm @ 0.25 Inch w.g. E.S.P., 2l sones max. Unit Electrical : 80 Watts, 115 V - 1 Ph - 60Hz Provide local disconnect at exhaust fan. Fan shall be controlled by light switch.		LOW INTENSITY RADIANT HEATER : WT= 150 lbs. Quantity = 2 Input capacity : 100,000 (LIRH-2) and 150,000 (LIRH-1) Btuh 2-stage burner, propane gas Unit Electrical : 0.07 HP, 115 V - 1 Ph - 60Hz Radiant heaters shall be controlled by wall mount thermostats and time switches (4 hrs dial).		
	EXHAUST FAN (ceiling mounted): WT= 21 lbs. Quantity = 1 Utility Room Air : 227 cfm @ 0.25 Inch w.g. E.S.P., 2l sones max. Unit Electrical : 83 Watts, 115 V - 1 Ph - 60Hz Provide local disconnect at exhaust fan. Fan shall be controlled by wall mounted on-off switch.		EVAPORATIVE COOLER : Quantity = 1 Air : 6,000 cfm @ 0.2 Inch w.g. E.S.P. Unit Electrical : 1.0 HP, 230 V - 1 Ph - 60Hz Evaporative cooler shall be horizontal discharge unit and controlled by a wall mounted selective switch.		
	FUME EXHAUST FAN: WT= 250 lbs. Quantity = 1 Service Bay & Mechanic Bay Air : 3000 cfm @ 0.5 Inch w.g. E.S.P., 2l sones max. Unit Electrical : 1.0 HP, 230 V - 3 Ph - 60Hz Provide local disconnect at exhaust fan and motorized damper. Fan shall be controlled by wall mounted on-off switch.		AIR COMPRESSOR (verticle unit): Quantity = 1 Utility Room Capacity : 175 psi @ 17 cfm free air delivery, 80 gallon verticle tank Unit Electrical: 5 HP, 230 V- 3Ph - 60HZ		
	INDUSTRIAL VENTILATION FAN (Wall mounted): WT=150lbs. Quantity=1 Service Bay Air : 4400 cfm @ 0.25 Inch w.g. E.S.P., 2l sones max. Unit Electrical : Explosion Proof motor 0.75HP, 230 V - 1Ph - 60Hz Provide local disconnect at exhaust fan and backdraft damper. Fan shall be controlled by wall mounted on-off switch.		Electric Water Cooler: Quantity = 1 Mechanic Bay Capacity : 8 Gallon per hour cooling capacity Unit Electrical: 460 watts, 115 V- 1Ph - 60HZ		
	COMBINATION HEAT / LIGHT / CEILING EXHAUST FAN: Quantity = 1 Restroom Air : 100 cfm @ 0.25 Inch w.g. E.S.P., 2 sones max. Unit Electrical : 14 Amps, 115 V - 1 Ph - 60Hz Route 6 inch dia. duct as shown. Fan shall be complete with backdraft damper and vent hood with birdscreen. Provide 1/27 watt fluorescent bulb and 1500 watts heater.		WATER HEATER (tankless LPG): WT= 55 lbs. Quantity = 1 Utility Room Capacity : Heat-on-demand Unit Input : 180,000 Btuh min., LPG Unit Electrical: 115 V- 1Ph - 60HZ		
	EXHAUST EVACUATION HOSE REEL AND FAN: Service Bay & Mechanic Bay Air : 1000 cfm WT= 65 lbs. Quantity = 1 Unit Electrical : 1.0 HP, 230 V - 3 Ph - 60Hz Fan and hose reel shall be controlled by a remote operated 3 button (fan on-off, up, down) control switch.		LPG VAPORIZER : WT= 90 lbs. Quantity = 1 Adjacent to LPG tank Unit Electrical : 7.8 KW, 230V - 3Ph - 60Hz Vaporizer shall be operating automatically depending on natural vaporization of the LPG tank in meeting with the gas usage.		

DESIGN	BY Jesus Ramirez	CHECKED Shahjahan Ali
DETAILS	BY A. Chen	CHECKED Shahjahan Ali
QUANTITIES	BY Jesus Ramirez	CHECKED Shahjahan Ali

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

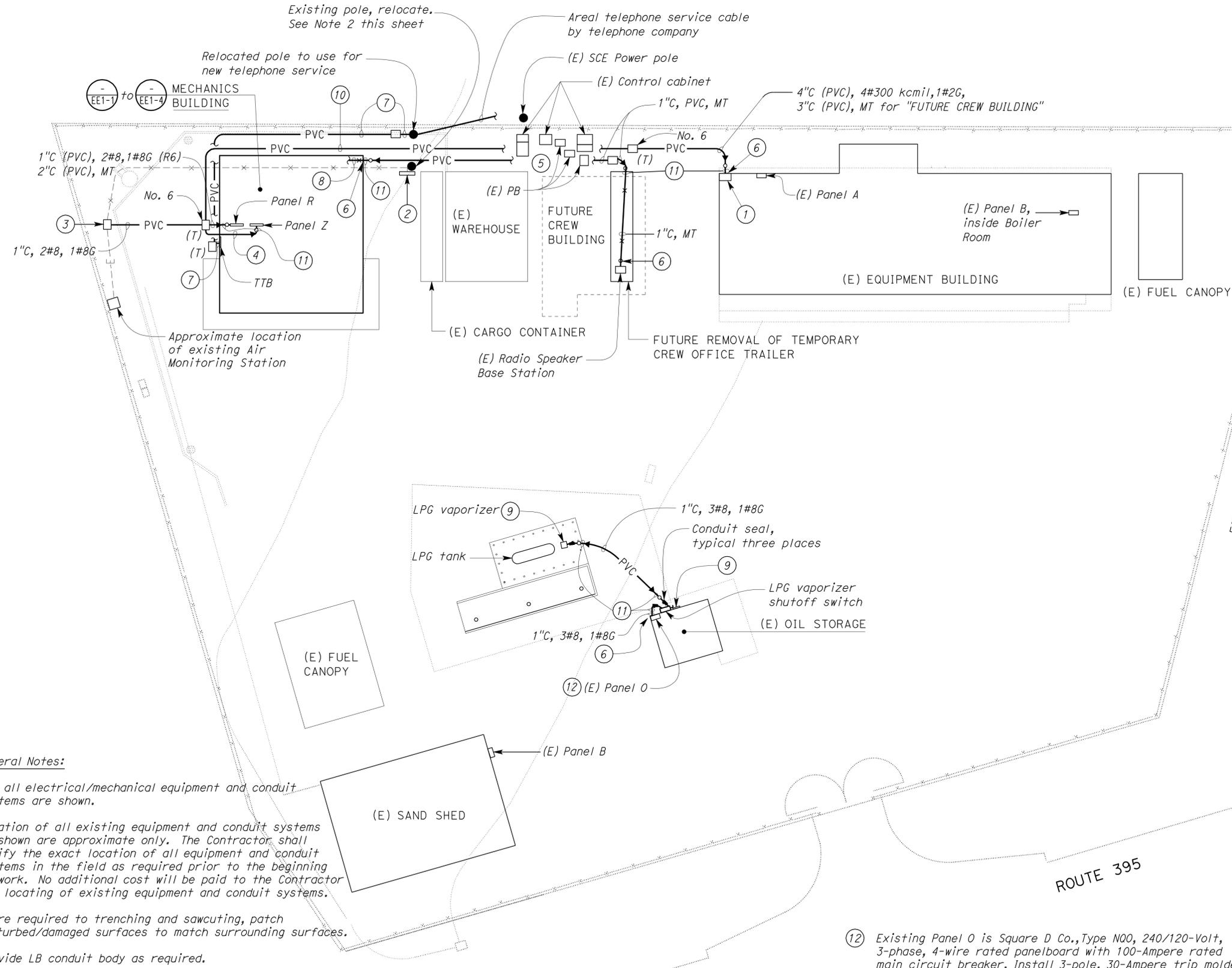
BRIDGE NO. 48M5710
 POST MILE X

LEE VINING MAINTENANCE STATION MECHANICS FACILITY
 EQUIPMENT SCHEDULE

SHEET M2-6 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	81	93

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: FRANCIS SOLICH Approval date: 10-12-11		12-06-11 DATE
J. AMIRAZODI REGISTERED ELECTRICAL ENGINEER No. 17509 Exp. 6-30-13 ELEC STATE OF CALIFORNIA		
3-26-12 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.		



- Notes:**
- Existing Main Switchboard, MSB, is Square D Co., Type ML1CAB, 240/120-Volt, 3-phase, 4-wire rated switchboard with 400-Ampere rated main bus bars and 350-Ampere rated main circuit breaker. Perform the following:
 - Replace existing 350-Ampere main circuit breaker with 3-pole, 400-Ampere frame, 350-Ampere trip molded case circuit breaker with adjustable AC thermal-magnetic trip initially adjusted to 2000-Ampere, and rewired as required. New circuit breaker shall have minimum AIC of 65,000 symmetrical at 240-Volt AC.
 - Install 3-pole, 250-Ampere frame, 200-Ampere trip molded case circuit breaker with adjustable AC thermal-magnetic trip initially adjusted to 1200-Ampere for supplying Panel Z inside Mechanics Building in available space and wire as required. New circuit breaker shall have minimum AIC of 65,000 symmetrical at 240-Volt AC.
 - Install 3-pole, 100-Ampere frame, 100-Ampere trip molded case circuit breaker with adjustable AC thermal-magnetic trip initially adjusted to 600-Ampere for future Crew Building in available space. New circuit breaker shall have minimum AIC of 65,000 symmetrical at 240-Volt AC.
 - For single line diagram, see detail 1 on sheet EE1-7.
 - Approximate location of aerial fed 100-Ampere (Meter Number EB-40346) service. Existing service equipment consists of aerial service drop, service drop pole, plywood mounted service equipment, panelboard/load center, and mobile trailer receptacle. Remove existing service and all related equipment including existing plywood. Relocate existing electric service drop pole to use as new telephone service drop pole. Contact Southern California Edison prior to removal of service equipment for de-energizing the service equipment. Contact local telephone company for new service. In addition, this existing service supplies existing Air Monitoring Station. For re-supplying the existing Air Monitoring Station, see Note 3 this sheet.
 - Intercept existing conduit run, install new pull box and splice new conductors to existing for proper operation of existing Air Monitoring Station as required.
 - 4" (PVC), 4#300 kcmil, 1#2G, 2" (PVC) MT.
 - Hand dig this area for installation of conduit/conductors due to presence of excessive number of underground conduits.
 - Core drill through existing or new wall as required.
 - 2" (PVC), with pull rope.
 - For continuation, see sheet EE1-4.
 - LPG vaporizer shutoff warning plate. Inscription shall read: "LPG VAPORIZER EMERGENCY SHUTOFF DISCONNECT SWITCH", with 1/2 inch high letter and an arrow pointing toward the location/direction of the disconnect switch.
 - 4" (PVC), 4#300 kcmil, 1#2G.
 - PVC coated rigid steel type conduit.

- General Notes:**
- Not all electrical/mechanical equipment and conduit systems are shown.
 - Location of all existing equipment and conduit systems as shown are approximate only. The Contractor shall verify the exact location of all equipment and conduit systems in the field as required prior to the beginning of work. No additional cost will be paid to the Contractor for locating of existing equipment and conduit systems.
 - Where required to trenching and sawcutting, patch disturbed/damaged surfaces to match surrounding surfaces.
 - Provide LB conduit body as required.
 - For arc flash and shock hazard warning sign details and locations, see Detail 1 on sheet EE1-8.
 - All risers for PVC conduits shall be PVC coated rigid steel. Wrap joints in touch with soil with two layers of wrapping tape.

SITE PLAN
SCALE 1" = 20'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN SUPERVISOR <i>J. Schreff</i> DESIGN ENGINEER <i>J. Amirazodi</i>	DESIGN BY	Javid Amirazodi	CHECKED	J. S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	LEE VINING MAINTENANCE STATION MECHANICS FACILITY SITE PLAN	SHEET EE0-1	
	DETAILS BY	Ed D. Tapalla 6/11	CHECKED	Javid Amirazodi		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	48M5710			
	QUANTITIES BY	Javid Amirazodi	CHECKED	J. S. Sandhu			X			
TAEMWW Imperlal Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT PROJECT NUMBER & PHASE	3596 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES		
							REVISION DATES (PRELIMINARY STAGE ONLY)			
							6/20/11	9/7/11	12/6/11	

23-MAR-2012 08:57 eeo_01.dgn

CERTIFICATE OF COMPLIANCE (Page 1 of 4) OLTG-1C

Project Name: LEE VINING MAINTENANCE STATION	Date: 06/24/2011
Project Address: 51548 HWY 395 LEE VINING, CA 93541	Total Hardscape Illuminated Area: 14,450 SF

General Information
Phase of Construction: New Construction Addition Alteration

Documentation Author's Declaration Statement
• I Certify that this Certificate of Compliance documentation is accurate and complete.

Name: **JAVID AMIRAZODI** Signature: *Javid Amirazodi*

Company: **CA DEPARTMENT OF TRANSPORTATION** Date: **06/24/2011**

Address: **1801 30TH STREET, MS9-3/11H** If applicable: CEA # CEPE #

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-1191**

Principal Lighting Designer's Declaration Statement
• I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.
• This Certificate of Compliance identifies the lighting features and performance specification required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.
• The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: **JAVID AMIRAZODI** Signature: *Javid Amirazodi*

Company: **CA DEPARTMENT OF TRANSPORTATION** Phone: **(916) 227-1191**

Address: **1801 30TH STREET, MS9-3/11H** License # **E 17509**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **EXP 06-30-13**

Principal Lighting Designer's Declaration
 I Certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other outdoor lighting designed for the site, and that Additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in Accordance with Section 147 of the Standards.

Outdoor Lighting Mandatory Measures
Indicate location on building plans of Mandatory Measures Note Block: **EE0-4**

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

- OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittal.
- OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.
- OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans.
- OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

CERTIFICATE OF COMPLIANCE (Page 2 of 4) OLTG-1C

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST
Project Name: **LEE VINING MAINTENANCE STATION** Date: **06/24/2011**
INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.) Field Inspection
CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection

Luminaire Schedule				Installed Watts						
A	B	C	D	E	F		G	H	I	
Name Or Item Tag	Luminaire Description (i.e., lamp pole top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Pass	Fail
					Default from NA-8	According to S-130 (d or e)				
MH2	Wall mounted, outdoor, 150 watt metal halide	FC	189	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	378	<input type="checkbox"/>	<input type="checkbox"/>
MH3	Wall mounted, outdoor, 100 watt metal halide	FC	140	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	280	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Enter total into OLTG; Page 4 of 4; Row H; Total Installed Watts:								658		

1. Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e.: fluorescent incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballast per luminaire. For incandescent luminaires the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire. NOT the wattage of the lamp (bulb) used, in accordance with Section 130 (d or e).
2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES Field Inspection

Name or Symbol	Description of exempt luminaires in accordance with S 147

MANDATORY CONTROLS Field Inspection

#	Description	Location	#	Description	Location
1	Photoelectric Cell	Mechanics Building Exterior			
1	Time Clock	Lighting Control Panel			

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentations submitted.

Field Inspector Notes or Discrepancies:

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	82	93

Javid Amirazodi 12-06-11
REGISTERED ELECTRICAL ENGINEER DATE

3-26-12
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: *Francis Solich*
Approval date: 10-12-11

DESIGN	BY <i>Javid Amirazodi</i>	CHECKED <i>J. S. Sandhu</i>
DETAILS	BY <i>Ed D. Tapalla 6/11</i>	CHECKED <i>Javid Amirazodi</i>
QUANTITIES	BY <i>Javid Amirazodi</i>	CHECKED <i>J. S. Sandhu</i>

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 48M5710
POST MILE X
LEE VINING MAINTENANCE STATION MECHANICS FACILITY
OUTDOOR LIGHTING COMPLIANCE FORM 1
SHEET **EE0-2** OF

23-MAR-2012 08:57 ee0_02.dgn

CERTIFICATE OF COMPLIANCE (Page 3 of 4) OLTG-1C

Project Name: **LEE VINING MAINTENANCE STATION** Date: **06/24/2011**

A. OUTDOOR LIGHTING ZONE

OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2 OLZ 3 OLZ 4

Is the Outdoor Lighting Zone: Default in accordance with S 10-114, or Amended by JHA

Complete the information below if the default Outdoor Lighting Zone has been amended by the local jurisdiction having authority (JHA):

- The site is a government designated park, recreation area, wildlife preserve, or portion thereof, and has been designated as LZ2 or LZ3, in accordance with Table 10-114-A, because the site is contained within such a zone.
- The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in S 10-114(d) to the Executive Director.
- The adopted change is posted on the Energy Commission website.

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

Are additional lighting power allowances for ordinance in Table 147-C used? Yes No

Complete the information below if the additional lighting power allowances for ordinance requirements are used:

- The local jurisdiction having authority has officially adopted specific outdoor light levels, which are express as average or minimum footcandle levels, by following a public notification review, and comment about the proposed change.
- The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required S 10-114(f) to the Executive Director.

C. ACCEPTANCE FORMS

Required Acceptance Tests

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance tests for for the Lighting system, OLTG-2A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a tests, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be a part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

Enforcement Agency:

System Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The OLTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement that certifies plans, specifications, installation certificates and, operating and maintenance information meet the requirements of S 10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the OLTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Certificate of Acceptance

		Luminaires Controlled		OLTG-2A ¹
Equipment Requiring Testing	Description	Number of Like Controls	Location	Outdoor Lighting Acceptance Tests
PEC	Photoelectric cell	1	Mechanics Building Exterior	✓
TC	Time Clock	1	Outside Lighting Control Station	✓

1. Insert: OMS for Outdoor Motion Sensor; OLSC for Outdoor Lighting Shutoff Controls; OP for Outdoor Photocontrol; ATS for Astronomical Time Switch; and, STS for Standard (non-astronomical) Time Switch acceptance.

2008 Nonresidential Compliance Forms

July 2010

CERTIFICATE OF COMPLIANCE (Page 4 of 4) OLTG-1C

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: **LEE VINING MAINTENANCE STATION** Date: **06/24/2011**

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

		Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	1390
B	Specific application lighting wattage per unit length (from OLTG-2C Page 1 of 3)	0
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)	0
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3)	0
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)	0
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3)	0
G	Total Allowed Wattage=Sum of rows A through F	1390
H	Total installed Watts from Luminaire Schedule, (from OLTG-1C Page 2 of 4)	658

Provided that the lighting wattage power allowance listed in rows A through F are identical to the lighting wattage power allowance taken from OLTG-2C pages 1 through 3, complies if installed Wattage in row H is less than or equal to the Total Installed Wattage in row G Yes No

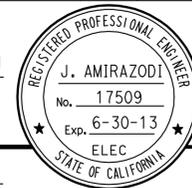
NOTES:

2008 Nonresidential Compliance Forms

July 2010

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	83	93

Javid Amirazodi 12-06-11
REGISTERED ELECTRICAL ENGINEER DATE



3-26-12

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: *[Signature]*

FRANCIS SOLICH

Approval date: 10-12-11

DESIGN	BY <i>Javid Amirazodi</i>	CHECKED <i>J. S. Sandhu</i>
DETAILS	BY <i>Ed D. Tapalla 6/11</i>	CHECKED <i>Javid Amirazodi</i>
QUANTITIES	BY <i>Javid Amirazodi</i>	CHECKED <i>J. S. Sandhu</i>

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	48M5710
POST MILE	X

LEE VINING MAINTENANCE STATION
MECHANICS FACILITY
OUTDOOR LIGHTING COMPLIANCE FORM 2

SHEET
EE0-3

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	84	93

Javid Amirazodi 12-06-11
REGISTERED ELECTRICAL ENGINEER DATE

3-26-12
PLANS APPROVAL DATE

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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: *Francis Solich*
FRANCIS SOLICH
Approval date: 10-12-11

CERTIFICATE OF COMPLIANCE (Page 1 of 4) LTG-1C

Project Name: LEE VINING MAINTENANCE STATION		Date: 06/24/2011
Project Address: 51548 HWY 395 LEE VINING, CA 93541	Climate Zone: 16	Building CFA: 2750 SF Unconditioned Floor Area: 0 SF

General Information

Building Type: Nonresidential High-Rise Residential Hotel/Motel
 Schools Relocatable Public Schools Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

Method of Compliance: Complete Building Area Category Tailored

Documentation Author's Declaration Statement
• I Certify that this Certificate of Compliance documentation is accurate and complete.

Name: JAVID AMIRAZODI	Signature: <i>Javid Amirazodi</i>
Company: CA DEPARTMENT OF TRANSPORTATION	Date: 06/24/2011
Address: 1801 30TH STREET, MS-9-3/11H	If applicable: CEA # CEPE #
City/State/Zip: SACRAMENTO, CA-95816	Phone: (916) 227-1191

Principal Lighting Designer's Declaration Statement

- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.
- This Certificate of Compliance identifies the lighting features and performance specification required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: JAVID AMIRAZODI	Signature: <i>Javid Amirazodi</i>
Company: CA DEPARTMENT OF TRANSPORTATION	Phone: (916) 227-1191
Address: 1801 30TH STREET, MS-9-3/11H	License # E 17509
City/State/Zip: SACRAMENTO, CA-95816	Date: EXP 06-03-11

Lighting Mandatory Measures
Indicate location on building plans of Mandatory Measures Note Block: EEO-4

LIGHTING COMPLIANCE FORMS & WORKSHEETS (Check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

LTG-1C Pages 1 through 4 Certificate of Compliance. All pages required on plans for all submittals.

LTG-2C Lighting Controls Credit Worksheet

LTG-3C Indoor Lighting Power Allowance

LTG-4C Pages 1 through 4 Tailored Method Worksheet

LTG-5C Pages 1 and 2 Line Voltage Track Lighting Worksheet

2008 Nonresidential Compliance Forms July 2010

CERTIFICATE OF COMPLIANCE (Page 2 of 4) LTG-1C

INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Project Name: LEE VINING MAINTENANCE STATION	Date: 06/24/2011
--	------------------

Installation Certificate, LTG-1-INST (Retain a copy and verify form is completed and signed.) Field Inspector

Certificate of Acceptance, LTG-2A and LTG-3A (Retain a copy and verify form is completed and signed.) Field Inspector

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces Installed Lighting Power listed on this Lighting Schedule is only for: CONDITIONED SPACE UNCONDITIONED SPACE

The actual indoor lighting power listed below includes all installed permanent and portable lighting system in accordance with Section 146 (a)

Only for offices: Up to the first 0.2 watts per square foot of portable lighting shall not be required to be included in the calculation of actual indoor lighting power density in accordance with Exception to S 146 (a). All portable lighting in excess of 0.2 watts per square foot is totaled below.

A	B	Luminaire Schedule (Type, Lamps, Ballasts)		Installed Watts				Field Inspector		
		C	D	E	F	G	H	Pass	Fail	
Name or Item Tag	Complete Luminaire Description (i.e. lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to S 130 (d or e)	Number of Luminaires	Installed Watts (D x F)				
	F1	2X4 Bracket mounted, Electronic Ballast, 3X32WT8	88	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	352	<input type="checkbox"/>	<input type="checkbox"/>	
	F2	2X4 Ceiling mounted, Electronic Ballast, 2X32WT8	58	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7	406	<input type="checkbox"/>	<input type="checkbox"/>	
	MHI	Stem mounted, Integral Ballast, 250W metal halide	310	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	1860	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
	INSTALLED WATTS PAGE TOTAL:						2618			

Building total number of pages Installed Watts Building Total 2618 (Sum of all pages)

Enter into LTG-1C Page 4 of 4

1. Wattage shall be determined according to Section 130 (d and e). Wattage shall be rating of light fixture, not rating of bulb.
2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

2008 Nonresidential Compliance Forms July 2010

CALIFORNIA ENERGY COMMISSION MANDATORY MEASURES:

-BUILDING LIGHTING SHUT-OFF:
1. Time clock.

-INDOOR MULTI-LEVEL LIGHTING CONTROL:
1. Bilevel occupant sensor wall switches for Offices greater than 100 square feet.
2. Multiple switches for all other locations. Switches are connected on load of the automatic shut-off switch that is provided for the area.

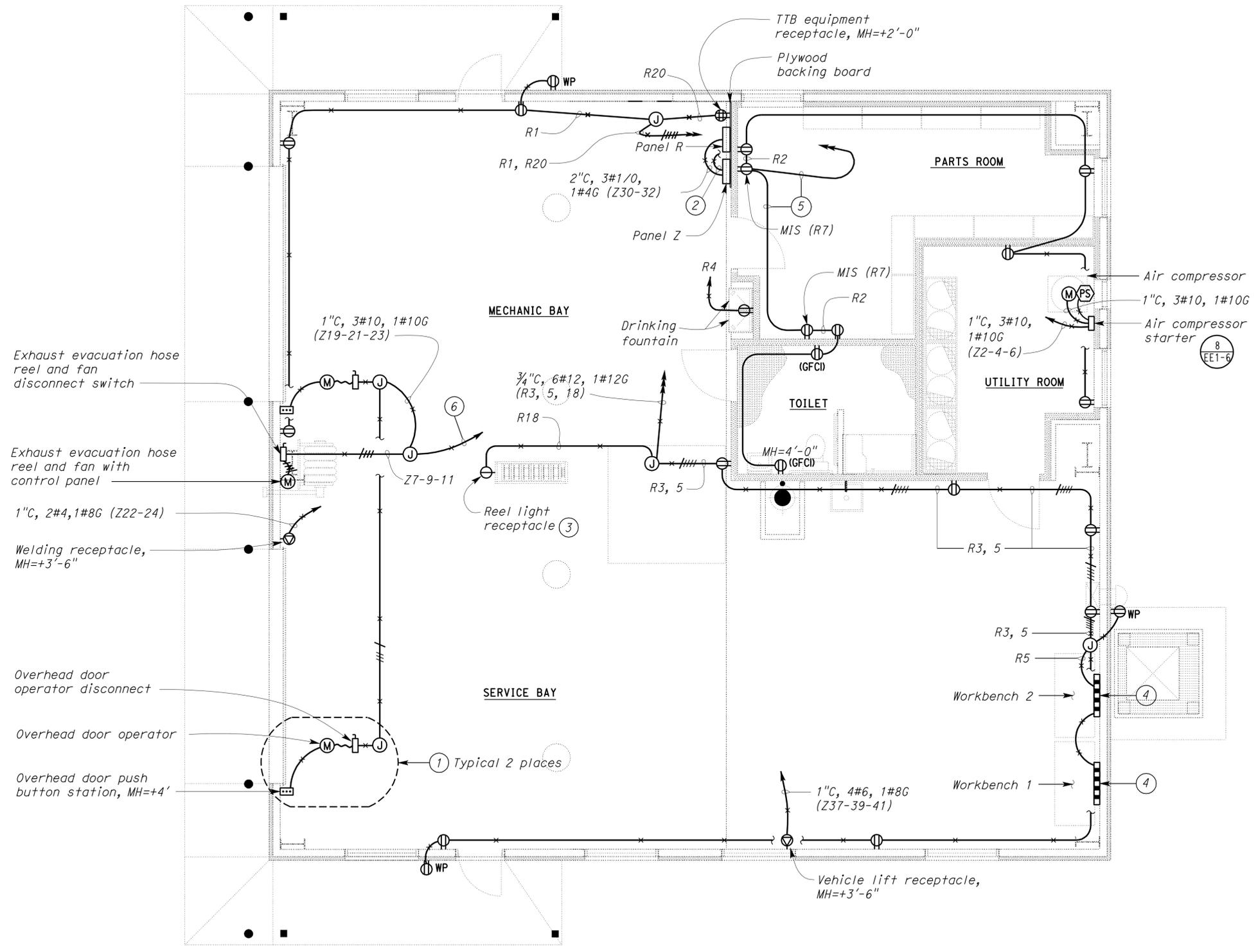
-BUILDING EXTERIOR LIGHTING:
1. Time clock.

DESIGN BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY	SHEET EEO-4
			POST MILE X		
DETAILS BY <i>Ed D. Tapalla 6/11</i> CHECKED <i>Javid Amirazodi</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i>				6/24/11 9/16/11	

EA 352301 eeo_04.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	86	93
Javid Amirazodi REGISTERED ELECTRICAL ENGINEER DATE 12-06-11			J. AMIRAZODI No. 17509 Exp. 6-30-13 ELEC STATE OF CALIFORNIA		
3-26-12					
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 approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: FRANCIS SOLICH
 Approval date: 10-12-11



Exhaust evacuation hose reel and fan disconnect switch

Exhaust evacuation hose reel and fan with control panel

1" C, 2#4, 1#8G (Z22-24)

Welding receptacle, MH=+3'-6"

Overhead door operator disconnect

Overhead door operator

Overhead door push button station, MH=+4'

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

General Notes:

- A. For exact location and additional details of exhaust evacuation hose reel and fan, and air compressor, see Mechanical plans.
- B. Location of overhead door operator is shown arbitrarily only. Exact location depends upon unit furnished. The Contractor shall provide any additional conduits and conductors not shown but necessary for the automatic operation of the overhead door, including conduit and conductors from overhead door operator to the reversing edge limit switch.
- C. All receptacles on GFCI circuits shall have label "GFCI".
- D. Homeruns to panelboards shall be installed as shown on the plans. Homeruns shall not be combined.

Notes:

- ① Install the following for each overhead door operator system:
 - 1/2" C, 3#12, 1#12G in between junction box and overhead door operator disconnect.
 - 1/2" C flexible metal conduit, 3#12, 1#12G in between overhead door operator and overhead door operator disconnect.
 - 1/2" C, control conductors as required in between overhead door operator and overhead door push button station.
 - 1/2" C, control cable as required in between overhead door operator and safety limit switch. Safety edge limit switch and its conduit are not shown for clarity.
- ② - 3/4" C, 1#1/0G to ground bar below panel Z, see Detail 4 on sheet ST-2
 - 3/4" C, 1#1/0G bond to structural steel column, without splices.
 - 3/4" C, 1#1/0G bond to interior cold water, air and gas pipe without splices.
- ③ Mount receptacle at location to suit light reel furnished.
- ④ Mount multioutlet assembly 4" above workbench.
- ⑤ 1/2" C, 2#12, 1#12G (R2); 2#12, 1#12 isolated ground (R7).
- ⑥ 1" C, 3#10 (Z19-21-23), 3#12 (Z7,9,11), 1#10G.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

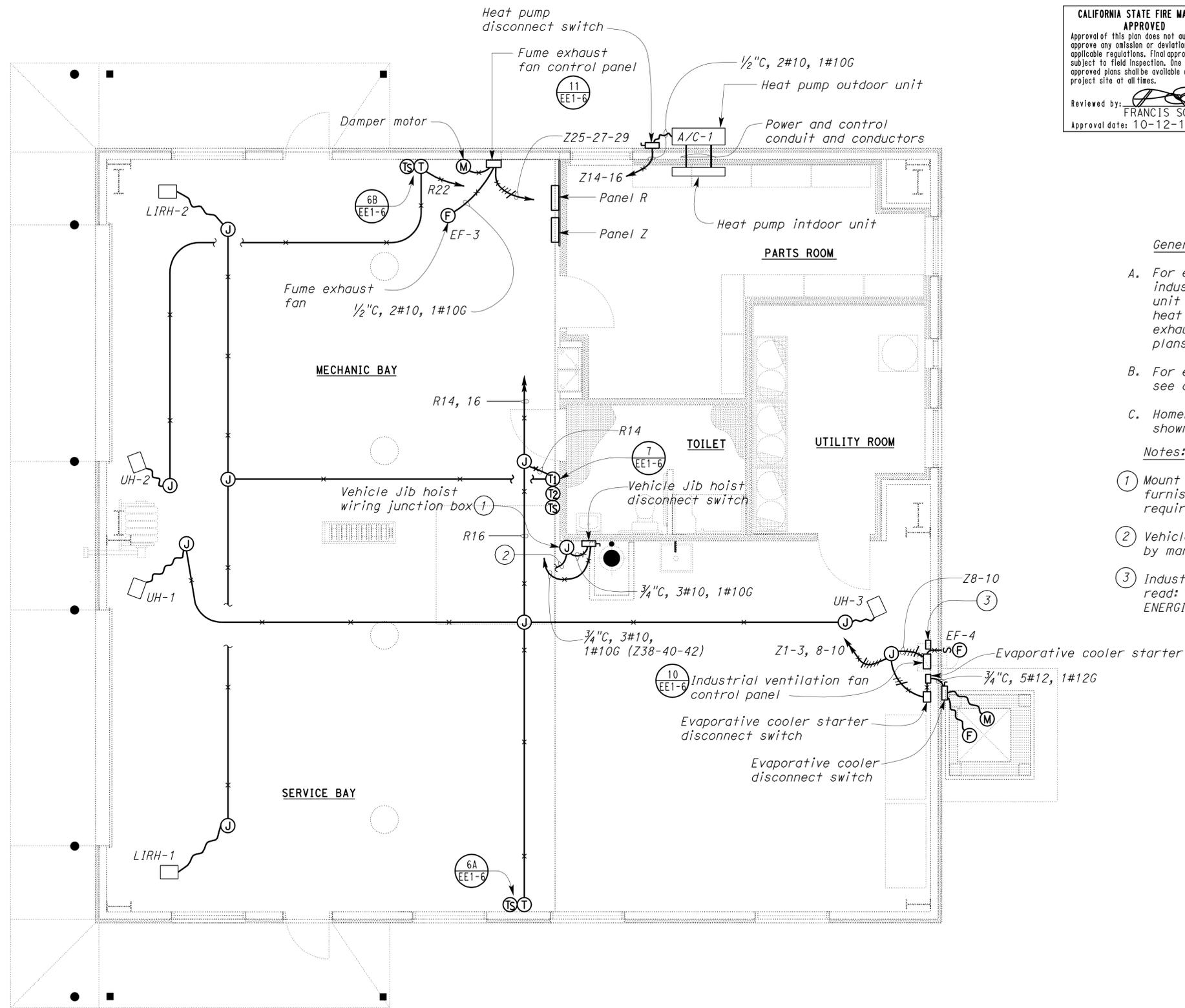
DESIGN	BY	Javid Amirazodi	CHECKED	J. S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET EE1-1
	DETAILS	BY	Ed D. Tapalla 6/11	CHECKED				Javid Amirazodi	MECHANICS BUILDING	
QUANTITIES	BY	Javid Amirazodi	CHECKED	J. S. Sandhu	UNIT PROJECT NUMBER & PHASE 3596 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	6/28/11 9/7/11 12/6/11			ea1_01.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	87	93

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: FRANCIS SOLICH Approval date: 10-12-11	Registered Electrical Engineer No. 17509 Exp. 6-30-13 ELEC STATE OF CALIFORNIA

3-26-12 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.



- General Note:**
- A. For exact location and additional details of industrial ventilation fan, evaporative cooler, unit heaters, low intensity radiant heater, heat pump outdoor and indoor unit, fume exhaust fan and damper motor, see Mechanical plans.
 - B. For evaporative cooler schematic diagram, see detail 9 on sheet EE1-6.
 - C. Homeruns to panelboards shall be installed as shown on the plans. Homeruns shall not be combined.
- Notes:**
- ① Mount junction box at height to suit vehicle jib hoist unit furnished and splice conductors to vehicle jib hoist cable as required. For vehicle jib hoist details, see Mechanical sheets.
 - ② Vehicle jib hoist cable, with slack as recommended by manufacturer.
 - ③ Industrial ventilation fan warning sign. Inscription shall read: "BEFORE REPAIRING GASOLINE POWERED VEHICLES, ENERGIZE INDUSTRIAL VENTILATION FAN".

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

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

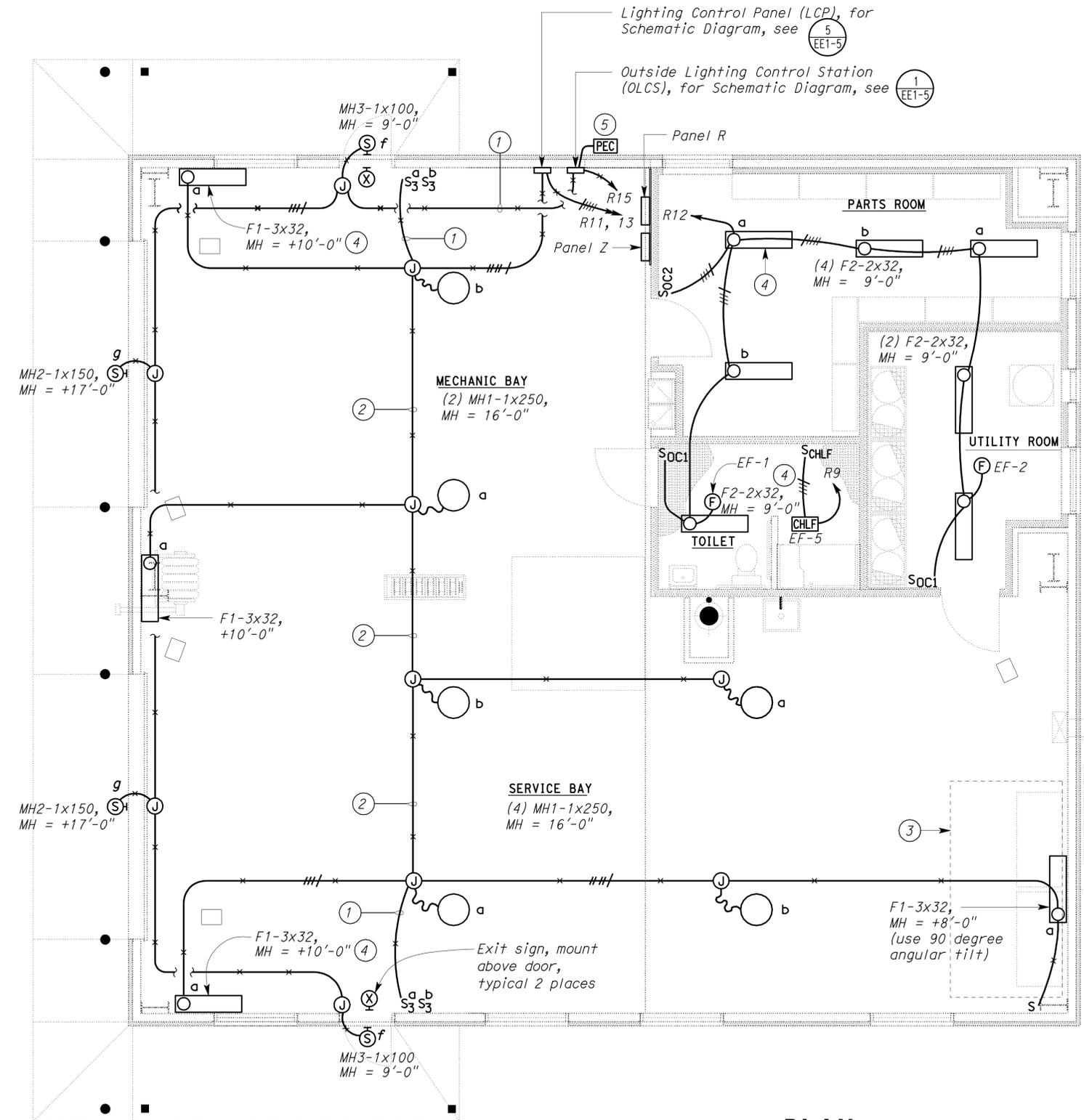
DESIGN BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i> DETAILS BY <i>Ed D. Tapalla 6/11</i> CHECKED <i>Javid Amirazodi</i> QUANTITIES BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICS FACILITY MECHANICS BUILDING POWER PLAN 2	SHEET EE1-2 OF
			UNIT PROJECT NUMBER & PHASE 3596 09000200991		

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

23-MAR-2012 09:37 ee1_02.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	88	93

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: FRANCIS SOLICH Approval date: 10-12-11		12-06-11 DATE
Javid Amirazodi REGISTERED ELECTRICAL ENGINEER		
No. 17509 Exp. 6-30-13 ELEC STATE OF CALIFORNIA		
3-26-12 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.		



- General Notes:**
- A. For wall switch occupancy sensor Type 1 and 2 wiring diagram, see details 2 and 3 on sheet EE1-5 respectively.
 - B. For exact location of lighting fixtures, see Architectural plan sheets.
 - C. For light fixture schedule, see sheet EE1-7.
 - D. For exact location of exhaust fans and two switches, fan and lamp, see Mechanical plan sheets.
 - E. For type F1 fixture mounting detail, see detail 4 on sheet EE1-5.
 - F. Homeruns to panel boards shall be installed as shown on the plans. Homeruns shall not be combined.

- Notes:**
- 1 3/4"C, 6#10, 1#12G.
 - 2 1"C, 9#10, 1#12G.
 - 3 Special task work area.
 - 4 This light fixture shall be equipped with emergency back up battery pack.
 - 5 Mount PEC facing north.

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

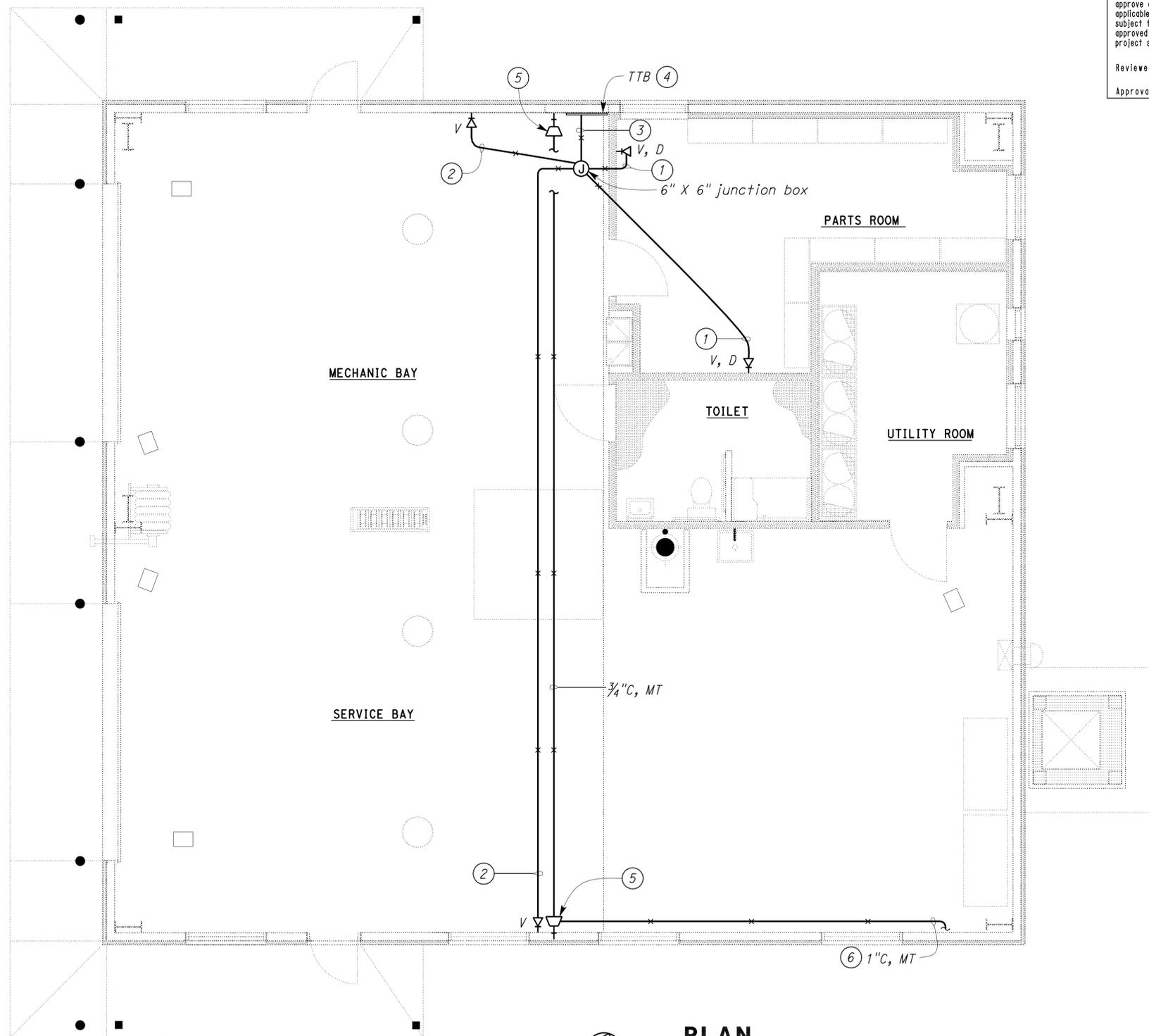
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY Javid Amirazodi CHECKED J. S. Sandhu DETAILS BY Ed D. Tapalla 6/11 CHECKED Javid Amirazodi QUANTITIES BY Javid Amirazodi CHECKED J. S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET EE1-3 OF
				MECHANICS BUILDING LIGHTING PLAN		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3596 09000200991		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
TAEMWW Imper-Id Rev. 7/10		EA 352301		DISREGARD PRINTS BEARING EARLIER REVISION DATES		6/23/11 9/7/11 12/6/11

23-MAR-2012 09:37 ee1_03.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	89	93
<i>Javid Amirazodi</i> REGISTERED ELECTRICAL ENGINEER			12-06-11 DATE		
3-26-12 PLANS APPROVAL DATE					
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 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: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 10-12-11



General Note:

A. Homeruns to panelboards shall be installed as shown on the plans. Homeruns shall not be combined.

Notes:

- ① 3/4"C, 1 telephone cable and 1 data cable.
- ② 3/4"C, 1 telephone cable.
- ③ 1/2"C, 4 telephone cables, and 2 data cables.
- ④ Provide 10 foot of additional length for each communication cable (telephone and data) homerun terminating at TTB. Terminate communication cables onto modular patch panel and punchdown block as directed by the Engineer.
- ⑤ Mount loud speaker outlet 12'-6" above finished floor.
- ⑥ For continuation, see sheet EE0-1.

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

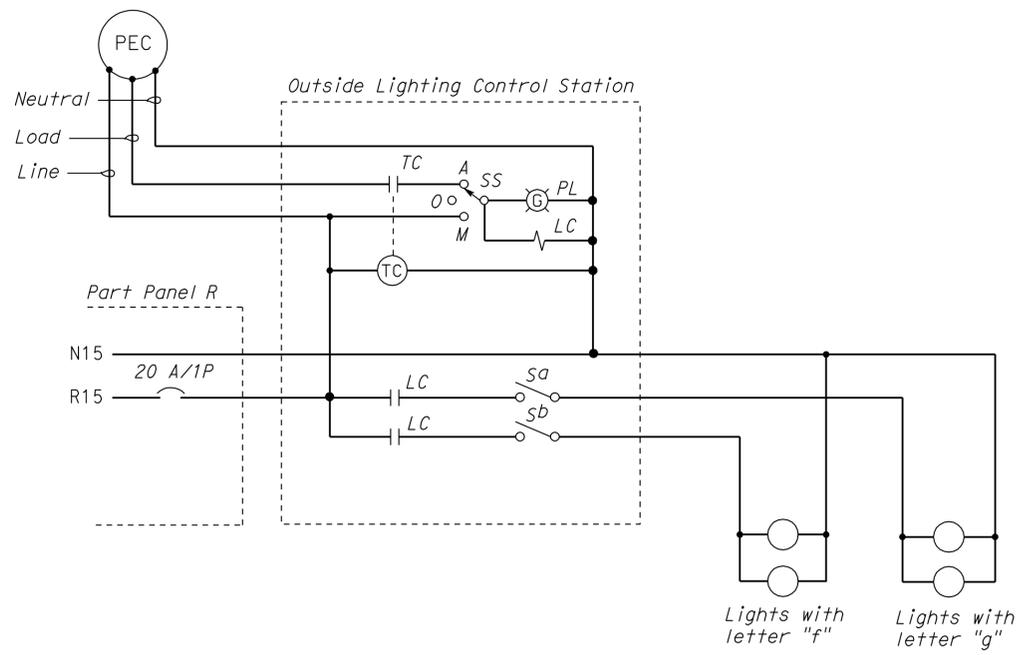
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i> DETAILS BY <i>Ed D. Tapalla 6/11</i> CHECKED <i>Javid Amirazodi</i> QUANTITIES BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY		SHEET EE1-4
	PROJECT NUMBER & PHASE 09000200991				POST MILE X	MECHANICS BUILDING COMMUNICATION PLAN		
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT 3596	REVISION DATES (PRELIMINARY STAGE ONLY) 6/23/11 3/7/11 12/6/11		

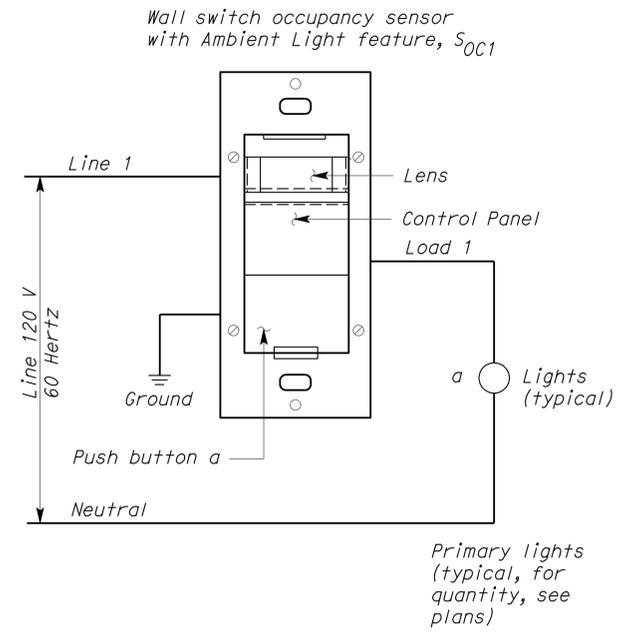
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	90	93

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: FRANCIS SOLICH Approval date: 10-12-11		12-06-11 DATE
3-26-12 PLANS APPROVAL DATE		
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REG. PROFESSIONAL ENGINEER
 J. AMIRAZODI
 No. 17509
 Exp. 6-30-13
 ELEC
 STATE OF CALIFORNIA



1 OUTSIDE LIGHTING CONTROL STATION (OLCS) SCHEMATIC DIAGRAM



2 WALL SWITCH OCCUPANCY SENSOR, TYPE 1 WIRING DIAGRAM

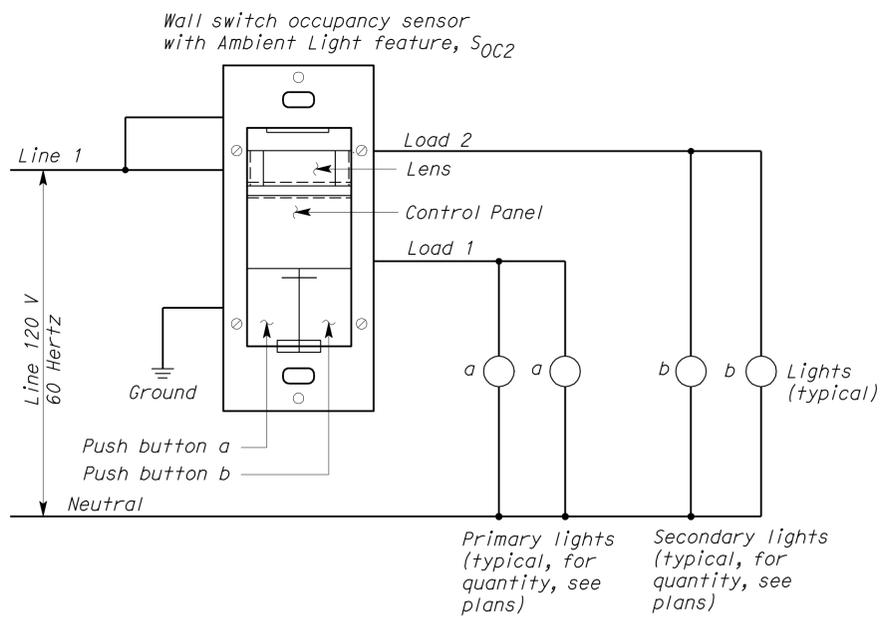
General Notes:

A. Switches and occupancy sensor diagrams shown are for reference only. Final connection of occupancy sensors and motion sensor wall switches shall be per manufacturer's recommendation. The Contractor shall provide at no cost to the State any additional conductors that are not shown but are required for the proper operation of the selected system.

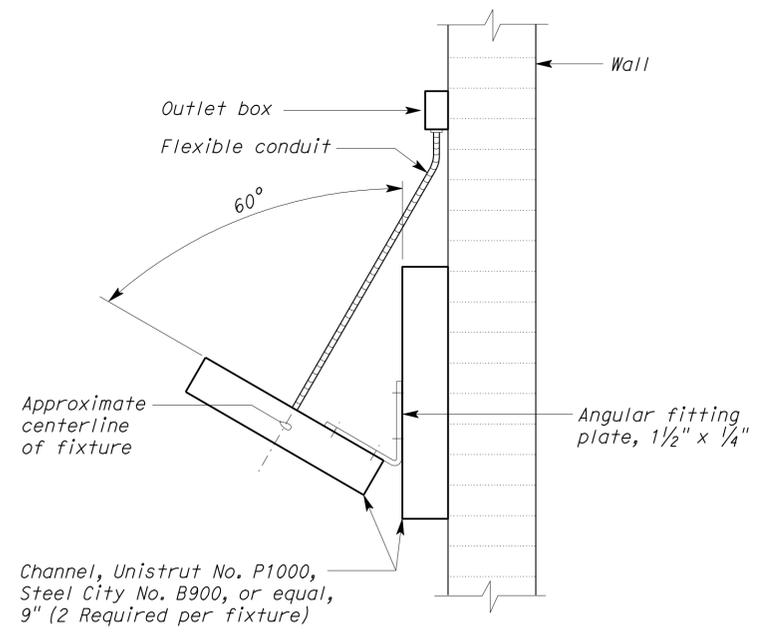
B. For location of Outside Lighting Control Station and Lighting Control Panel, switches and occupancy sensors see sheet EE1-3.

Note:

1 To light fixtures with emergency battery pack as required, see sheet EE1-3 for locations.

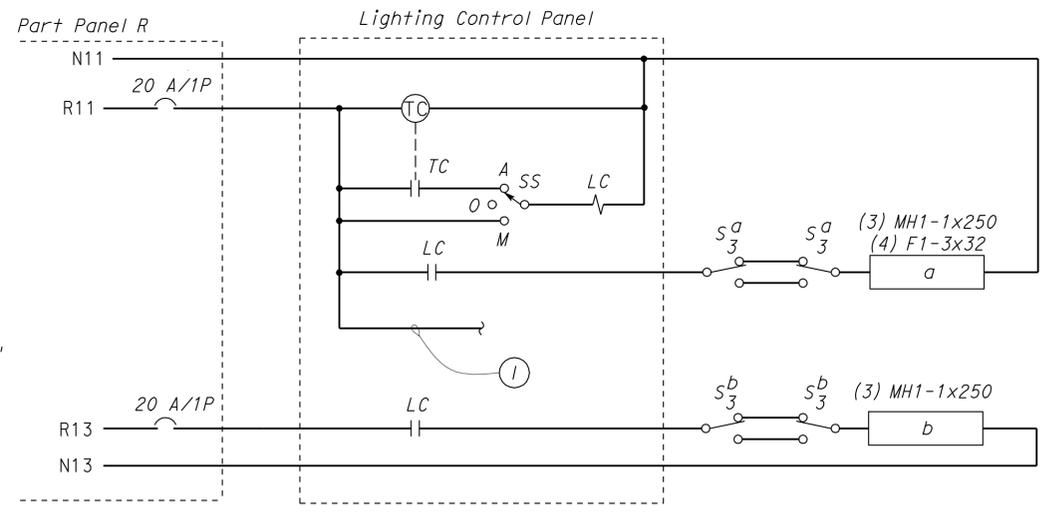


3 WALL SWITCH OCCUPANCY SENSOR, TYPE 2 WIRING DIAGRAM



4 F1 FIXTURE MOUNTING DETAIL
 NO SCALE

* For special task work area, use 90 degree angular tilt.



5 LIGHTING CONTROL PANEL (LCP) SCHEMATIC DIAGRAM

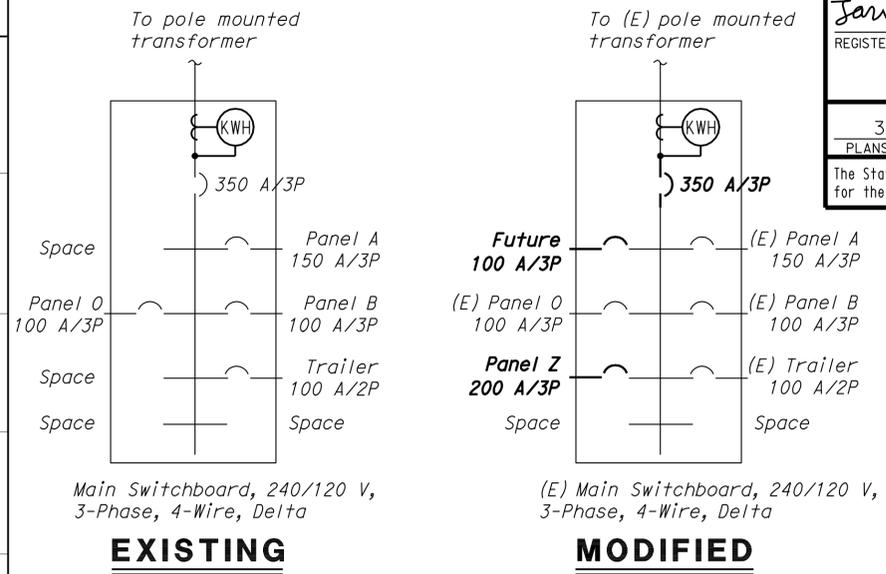
DESIGN BY Javid Amirazodi CHECKED J. S. Sandhu DETAILS BY Ed D. Tapalla 6/11 CHECKED Javid Amirazodi QUANTITIES BY Javid Amirazodi CHECKED J. S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICS FACILITY SCHEMATIC AND WIRING DIAGRAMS	SHEET EE1-5 OF	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 3/26/11 12/6/11	SHEET OF	TAEMWW Imper-Id Rev. 7/10 EA 352301 ee1_05.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	92	93

Javid Amirazodi
 REGISTERED ELECTRICAL ENGINEER
 No. 17509
 Exp. 6-30-13
 ELEC
 STATE OF CALIFORNIA

12-06-11 DATE
 3-26-12 PLANS APPROVAL DATE
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LIGHT FIXTURE SCHEDULE			
TYPE	MANUFACTURER	LAMPS	DESCRIPTION
F1	LITHONIA AF SERIES, COLUMBIA DYNAMO KL SERIES OR EQUAL	3-32 W T8	BRACKET-MOUNTED, FOUR FEET, INDUSTRIAL FLUORESCENT FIXTURE WITH THREE 32-WATT T8 LAMP, 120 VOLTS ELECTRONIC BALLAST AND WHITE BAKED ENAMEL RIBBED REFLECTOR. FIXTURE SHALL BE COMPLETE WITH END PLATES.
F2	LITHONIA CB SERIES, COLUMBIA AWN SERIES OR EQUAL	2-32 W T8	SURFACE MOUNTED, FOUR FEET, FLUORESCENT FIXTURE WITH TWO 32-WATT T8 LAMP, 120 VOLTS, ELECTRONIC BALLAST AND ONE PIECE ACRYLIC WRAP AROUND DIFFUSER WITH SONIC WELDED INJECTION MOLDED LUMINOUS ENDS. OVERALL WIDTH SHALL NOT BE LESS THAN 6 INCHES.
MH1	LITHONIA TX SERIES, HUBBELL BL SERIES OR EQUAL	1-250 W METAL HALIDE	INDOOR, STEM-MOUNTED, HIGH BAY, POLYCARBONATE LENSES. 250-WATT, BULB SHALL BE EASY TO REMOVE. 120 VOLTS METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST
MH2	LITHONIA, TWH SERIES, DAY BRITE WL SERIES OR EQUAL	1-150 W METAL HALIDE	OUTDOOR, WALL MOUNTED, FULLY GASKETED DARK BRONZE HOUSING WITH ONE PIECE, UV STABILIZED POLYCARBONATE LENSES. 150-WATT, 120 VOLTS METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.
MH3	LITHONIA, TWH SERIES, DAY BRITE WL SERIES OR EQUAL	1-100 W METAL HALIDE	OUTDOOR, WALL MOUNTED, FULLY GASKETED DARK BRONZE HOUSING WITH ONE PIECE, UV STABILIZED POLYCARBONATE LENSES. 100-WATT, 120 VOLTS METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.



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 Approval date: 10-12-11

1 SINGLE LINE DIAGRAM

MAIN: 200 A, 3P, CIRCUIT BREAKER
 VOLTS: 240/120 V, THREE PHASE, 4-WIRE
 FEEDER SIZE: 4#300 kcmil, 1#2G
 LOCATION: MECHANIC BAY
 PANEL Z (BOTTOM FEED)*

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION
	A	B	C								A	B	C	
EVAPORATIVE COOLER	8			20/2	1				2			15.2		
		8			3				4	30/3		15.2		AIR COMPRESSOR
SPARE			-	20/1	5				6				15.2	
EXHAUST EVACUATION HOSE REEL AND FAN	4.2			15/3	7				8	20/2		6.9		INDUSTRIAL VENTILATION FAN-SERVICE BAY
		4.2			9				10			6.9		
			4.2		11				12	20/1			-	SPARE
PROPANE VAPORIZER	18.8			30/3	13				14	15/2		2.7		HEAT PUMP-OFFICE PARTS ROOM
		18.8			15				16			2.7		
			18.8		17				18	20/2			-	SPARE
OVERHEAD DOOR MOTOR	5			15/3	19				20					
		5			21				22	60/2		43		WELDING RECEPTACLE
			5		23				24				43	
FUME EXHAUST FAN	4.2			15/3	25				26	15/2				SPARE
		4.2			27				28					
			4.2		29				30	100/2			41.6	PANEL R
SPARE				30/3	31				32			58.0		
					33				34					SPARE
					35				36	20/2				
VEHICLE LIFT RECEPTACLE		32		60/3	37				38			5		
					39				40	**/3		5		VEHICLE JIB HOIST
			32		41				42				5	

* ASSUMING PHASE B IS HIGH LEG
 ** AS RECOMMENDED BY EQUIPMENT MANUFACTURER

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
160	145	169	

MAIN: 100 A, MAIN LUG
 VOLTS: 120/240 V, SINGLE PHASE, 3-WIRE
 FEEDER SIZE: 3#1/0, 1#4G
 LOCATION: MECHANIC BAY
 PANEL R (TOP FEED)

DESCRIPTION	AMPERES		BRK	CKT	A	C	CKT	BRK	AMPERES		DESCRIPTION
	A	C							A	C	
RECEPT-MECHANICS BAY WALL	6		*20/1	1			2	20/1	10.5		RECEPT-UTILITY RM, TOILET, OFFICE
RECEPT-SERVICE BAY WALL		12	*20/1	3			4	20/1	4.6		RECEPT-DRINKING FOUNTAIN
MULTIOUTLET-WORKBENCHES 1 AND 2	10		*20/1	5			6	20/1	5		AIR MONITORING STATION
MIS-OFFICE PARTS ROOM		3	20/1	7			8	20/1	-		SPARE
LIGHT-SHOWER ROOM HEAT-VENT	14		**20/1	9			10	20/1	-		SPARE
LIGHTING CONTROL PANEL-CKT A		8	20/1	11			12	**20/1	4		LIGHTS-UTILITY RM, TOILET, OFFICE
LIGHTING CONTROL PANEL-CKT B		8	20/1	13			14	20/1	2		LOW INTENSITY RADIANT HEATERS
OUTSIDE LIGHTING CONTROL STATION		5	20/1	15			16	20/1	2		UNIT HEATERS 1 AND 3
SPARE			20/1	17			18	20/1	1.5		RECEPT-REEL LIGHT
SPARE			40/1	19			20	20/1	3		RECEPT-TTB EQUIPMENT
SPARE			20/1	21			22	20/1	1		UNIT HEATER 2
SPARE			20/1	23			24	20/1	-		SPARE
SPACE			-	25			26	-	-		SPACE
SPACE			-	27			28	-	-		SPACE
SPACE			-	29			30	-	-		SPACE

* GFCI TYPE CIRCUIT BREAKER
 ** CIRCUIT BREAKER SHALL HAVE PERMANENT PROVISIONS FOR PLACEMENT OF A LOCK ON IT TO SECURE THE DEVICE IN THE OFF POSITION. THE LOCK-OUT DEVICE MUST BE PART OF THE CIRCUIT BREAKER AND/OR PANELBOARD ASSEMBLY AND MUST REMAIN IN PLACE AFTER THE PADLOCK IS REMOVED

A	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
58.0	41.6	

DESIGN BY Javid Amirazodi	CHECKED J. S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	LEE VINING MAINTENANCE STATION MECHANICS FACILITY PANELS AND LIGHT FIXTURE SCHEDULES	SHEET EE1-7
DETAILS BY Ed D. Tapalla 6/11	CHECKED Javid Amirazodi		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE X		
QUANTITIES BY Javid Amirazodi	CHECKED J. S. Sandhu		UNIT PROJECT NUMBER & PHASE 3596 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 REVISION DATES (PRELIMINARY STAGE ONLY): 3/26/11 12/6/11
 SHEET OF: 1 OF 1
 TAEWW Imperial Rev. 7/10
 EA 352301
 ee1_07.dgn

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 Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-12-11

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	51.5	93	93

Javid Amirazodi 12-06-11
 REGISTERED ELECTRICAL ENGINEER DATE

3-26-12
 PLANS APPROVAL DATE

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⚠	WARNING
Arc Flash and Shock Hazards Appropriate PPE Required	
Available Fault Current: ✖	
Installation Date: ✖	

1 WARNING LABEL

Note: Main switchboard and panelboards shall be legibly marked in the field with the available fault current to comply with NEC 110.24(A).

✖ The data will be provided by the Engineer to the contractor after utility service related work is done by local electric utility company.

DESIGN BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i> DETAILS BY <i>Ed D. Tapalla 6/11</i> CHECKED <i>Javid Amirazodi</i> QUANTITIES BY <i>Javid Amirazodi</i> CHECKED <i>J. S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 48M5710 POST MILE X	LEE VINING MAINTENANCE STATION MECHANICS FACILITY DETAILS	SHEET EE1-8 OF	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 09000200991	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY) 3/28/11 12/2/11 2/28/12	SHEET OF	TAEMWW Imperial Rev. 7/10 EA 352301 ee1_08.dgn
	23-MAR-2012 09:38					