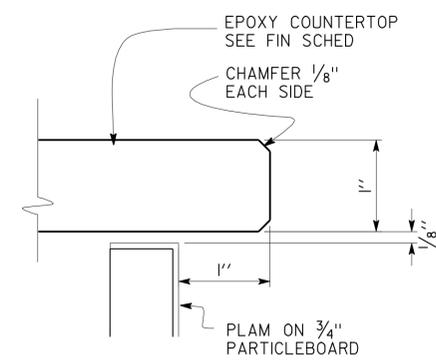
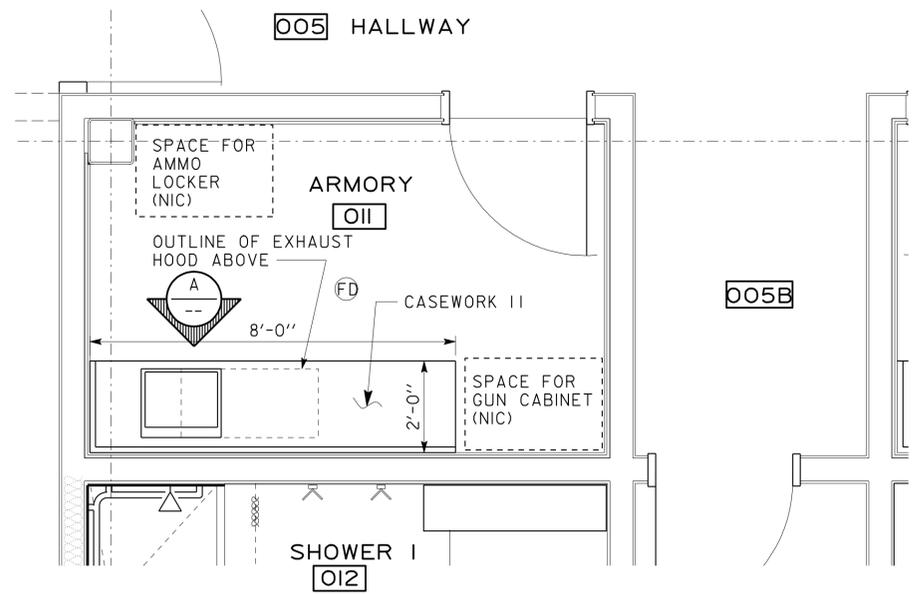


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	401	710

DOUG LOWE
 LICENSED ARCHITECT
 DATE 12-12-12
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

2-25-13
 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.



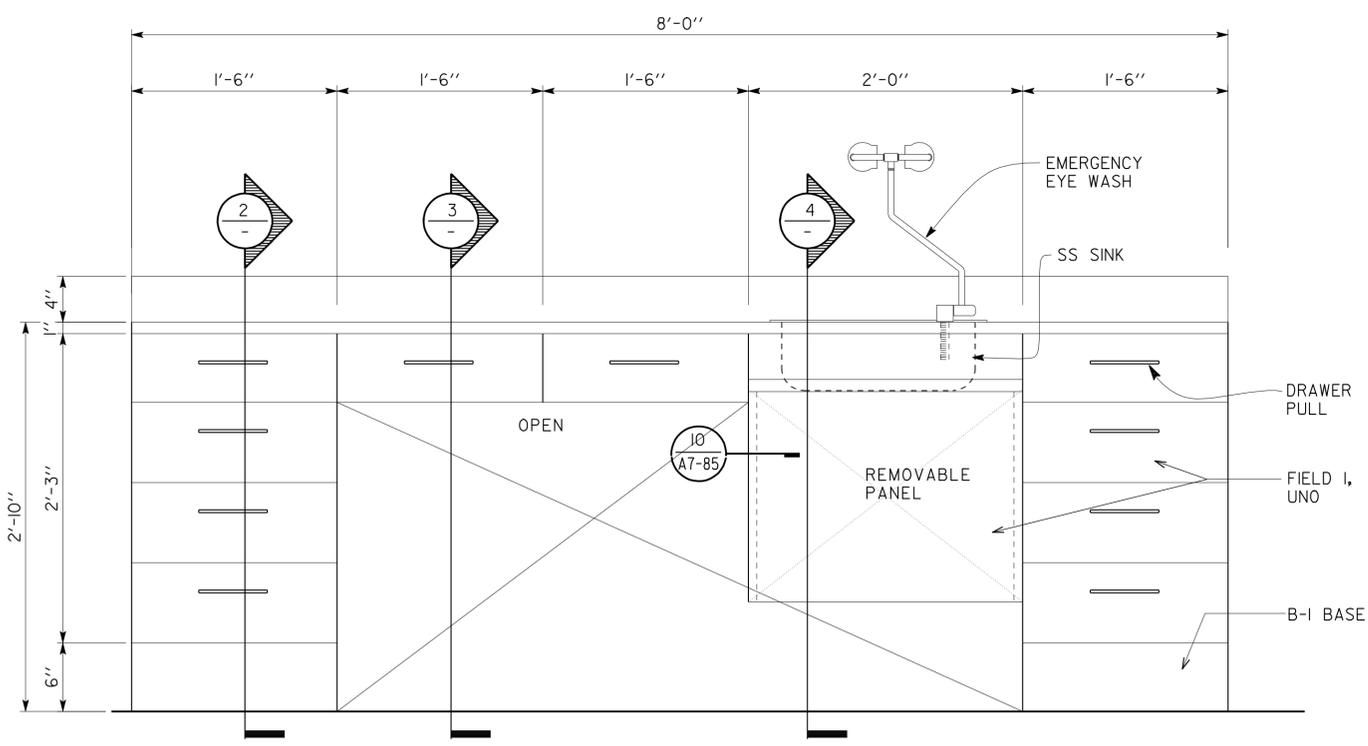
D **DETAIL**
SCALE 1:1

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08-368501 DISTRICT - EA	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> G. ANDERSEN Date: 03-30-09 Approval date: 01-20-2011
--	--

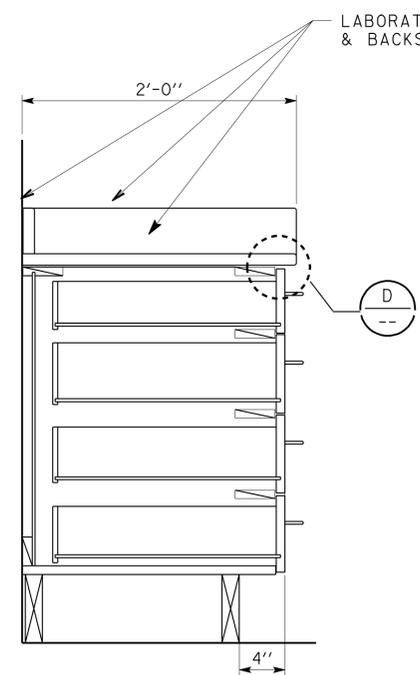
- CASEWORK 11 FINISHES:**
- SEE FIN SCHED 3, P - 7 A7-0.4
 - ALL PLAM TO BE FIELD I, UON
 - SEE ALSO M - 4 FOR SPECIAL COUNTERTOP
 - ALL CASEWORK IIBASE TO BE B-1

CASEWORK 11
ARMORY ROOM FLOOR PLAN

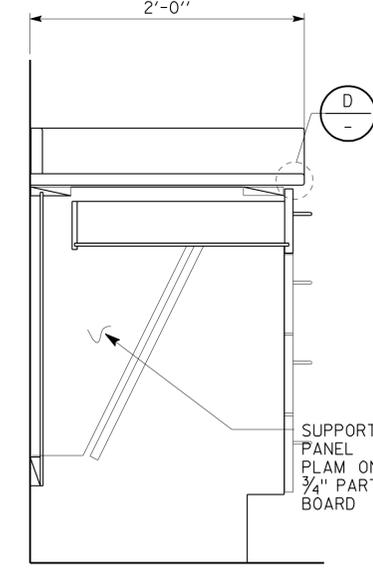
I
SCALE 1/2" = 1'-0"



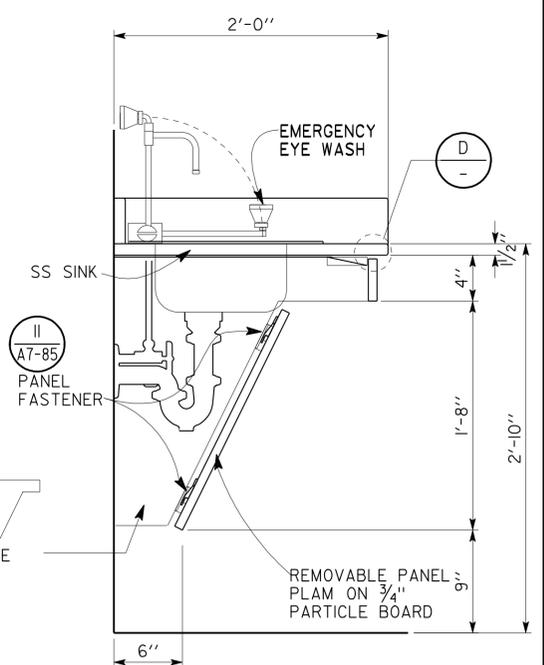
A **CASEWORK 11 ELEVATION**
SCALE 1/2" = 1'-0"



2 **DETAIL**
SCALE 1/2" = 1'-0"



3 **DETAIL**
SCALE 1/2" = 1'-0"



4 **DETAIL**
SCALE 1/2" = 1'-0"

a7_84case11.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 10:59	DESIGN BY D. LOWE CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE CASEWORK II	SHEET A7-84
	DETAILS BY CHECKED C. FAUST		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3584 08000006281		CVEF

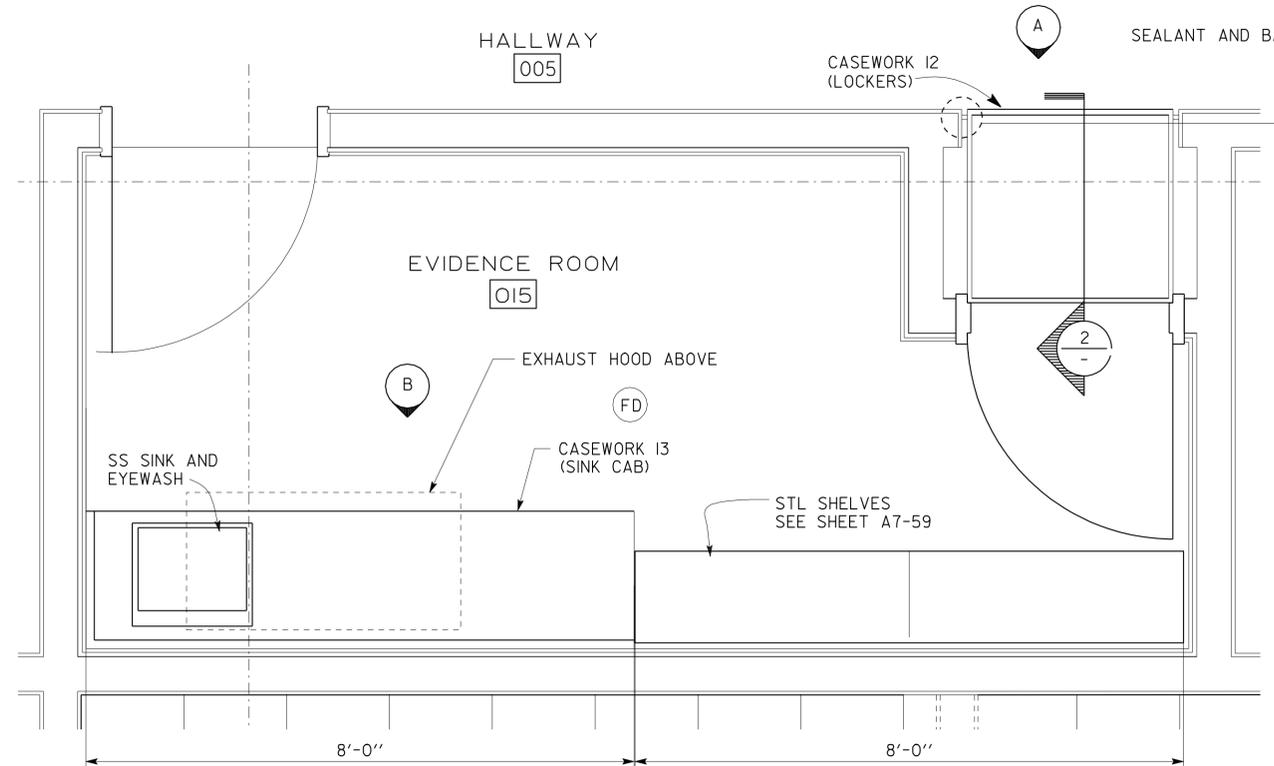
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-21-10 11-30-12
 REVISION DATES (PRELIMINARY STAGE ONLY)

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	402	710

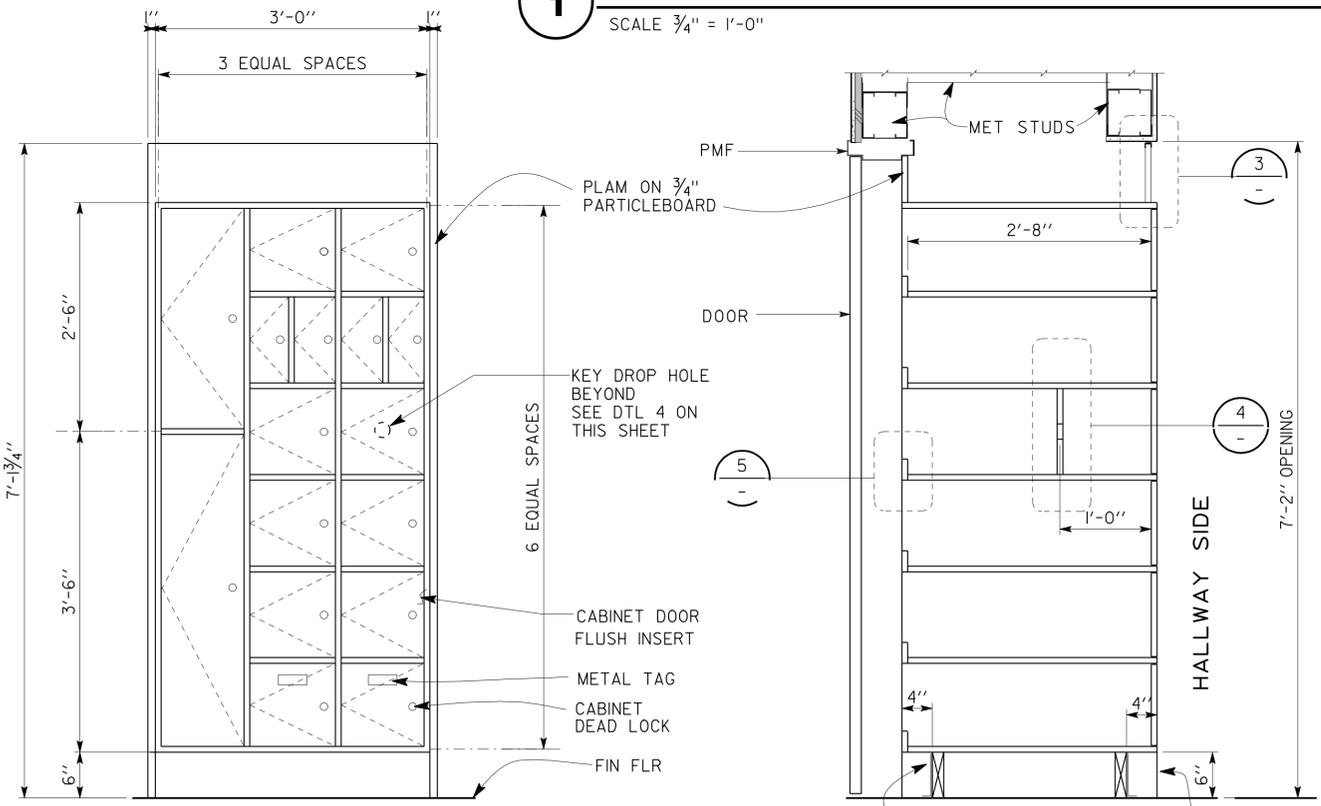
DOUG LOWE
 LICENSED ARCHITECT
 DATE 12-12-12
 PLANS APPROVAL DATE 2-25-13
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
08-368501
 DISTRICT - EA
 Reviewed by: Y.A. WANG
 Date: 03-30-09

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: G. ANDERSEN
 Approval date: 01-20-2011

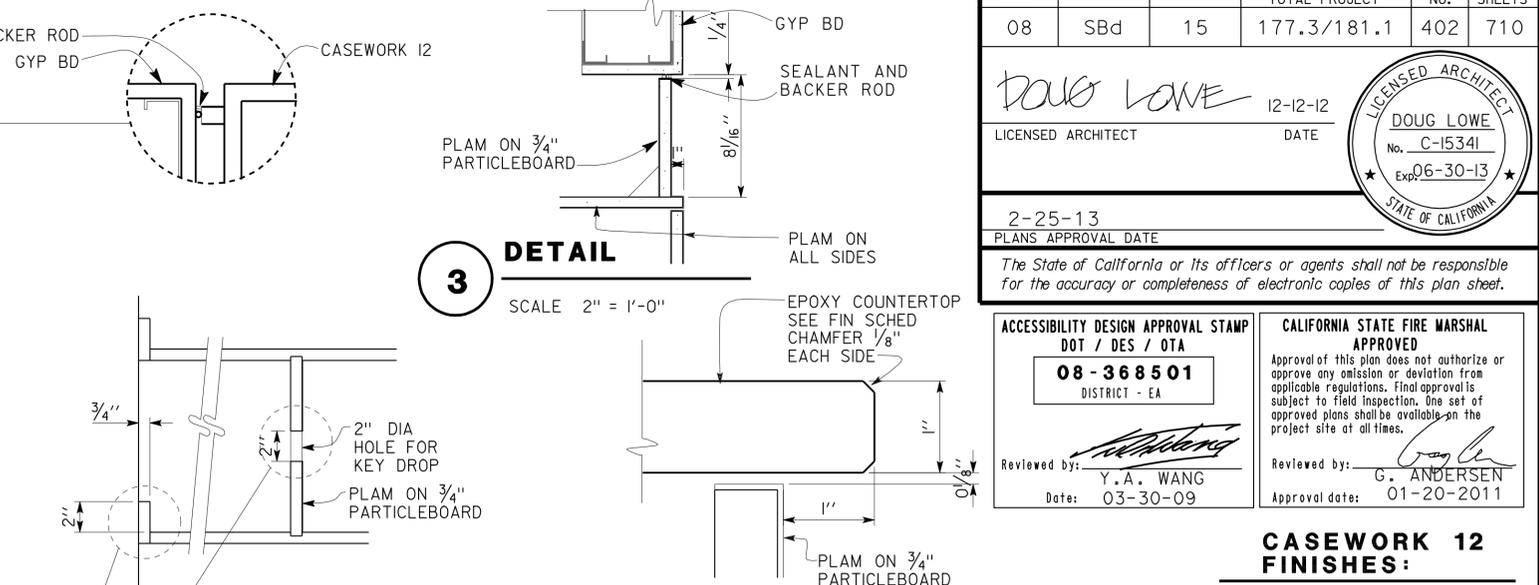


1 CASEWORK 12/13 EVIDENCE ROOM FLOOR PLAN
SCALE 3/4" = 1'-0"



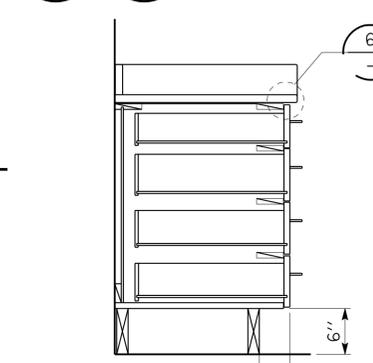
A CASEWORK 12 ELEVATION
SCALE 1" = 1'-0"

2 CASEWORK 12 SECTION
SCALE 1" = 1'-0"

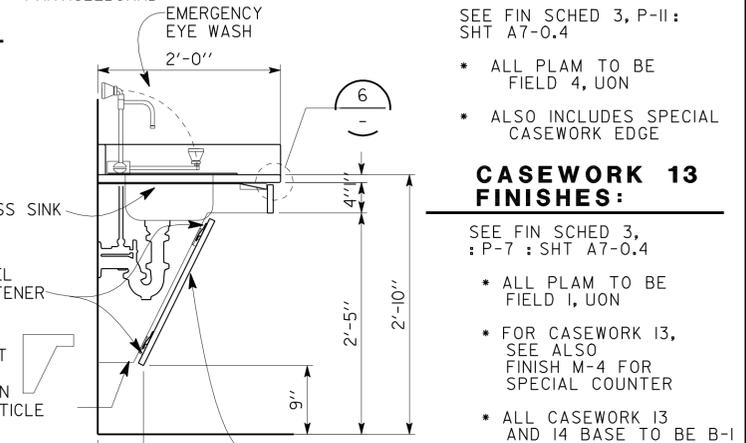
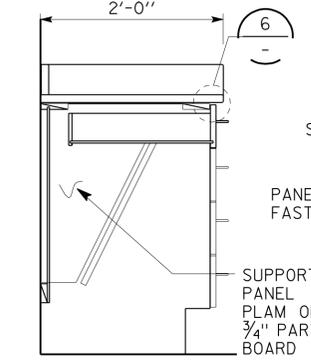


3 DETAIL
SCALE 2" = 1'-0"

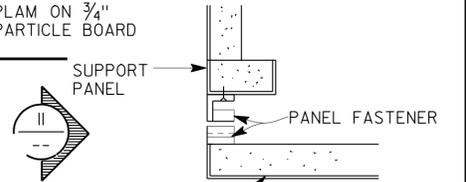
4 DETAIL
SCALE 2" = 1'-0"



6 DETAIL
SCALE 1:1

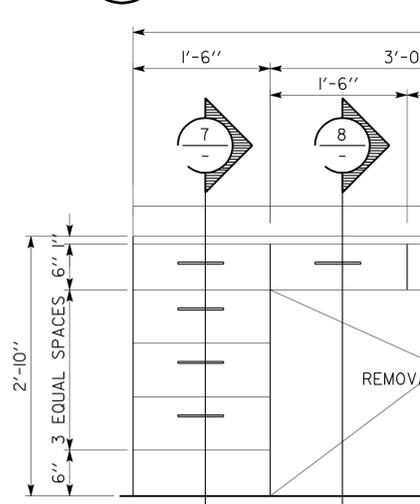


9 DETAIL
SCALE 1" = 1'-0"

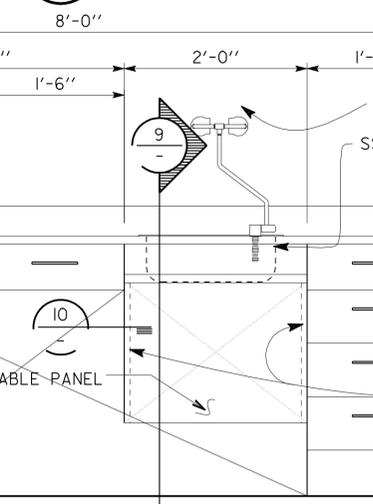


10 CORNER SECTION PANEL UNLATCHED
SCALE 6" = 1'-0"

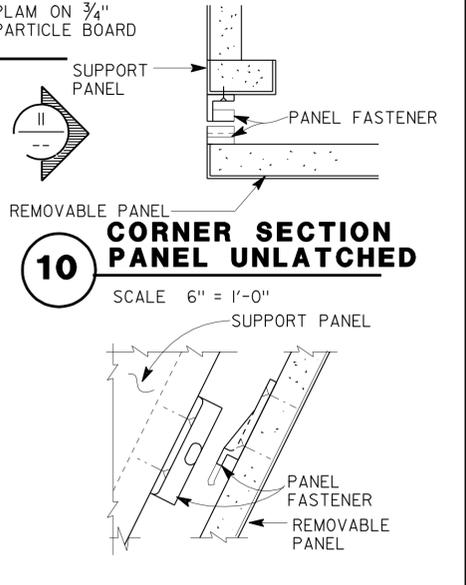
7 DETAIL
SCALE 1" = 1'-0"



8 DETAIL
SCALE 1" = 1'-0"



11 PANEL FASTENER
SCALE 6" = 1'-0"



B CASEWORK 13 ELEVATION
SCALE 1" = 1'-0"

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN
 BRIDGE NO. 54-1216J
 POST MILE 177.3/181.1
 UNIT PROJECT NUMBER & PHASE 3584 08000006281
 EA 368501

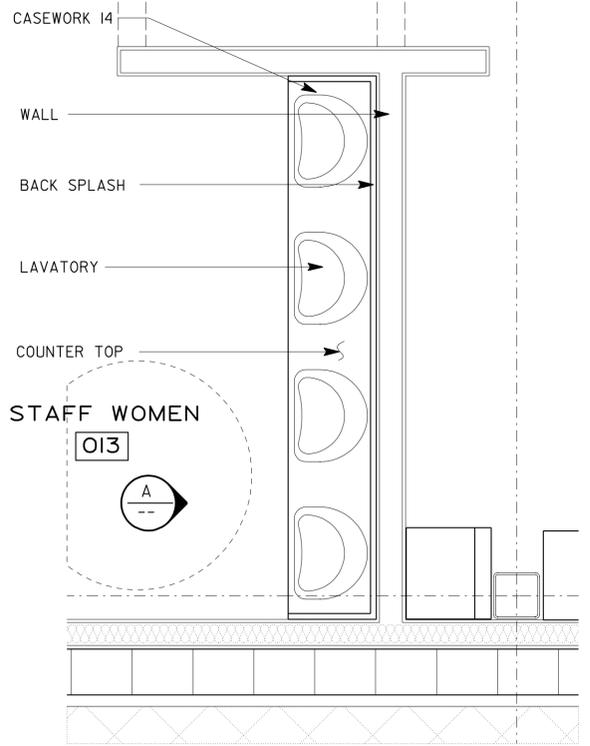
MOUNTAIN PASS JOE		SHEET A7-85
CASEWORK 12,13		SHEET OF
REVISION DATES (PRELIMINARY STAGE ONLY)		
11-21-10	11-30-12	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	403	710

DOUG LOWE
 LICENSED ARCHITECT
 12-12-12
 DATE
 2-25-13
 PLANS APPROVAL DATE
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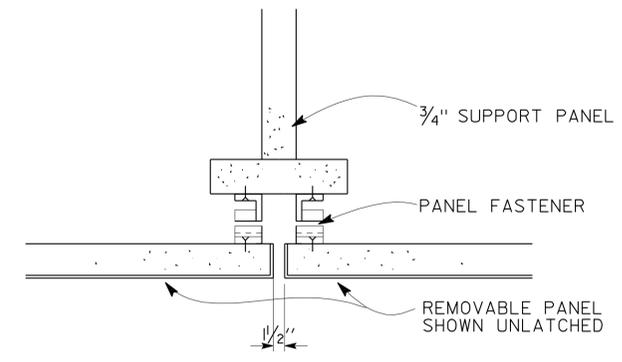
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08 - 368501 DISTRICT - EA Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> G. ANDERSEN Approval date: 01-20-2011
---	--



CASEWORK 14 FLOOR PLANS

1

SCALE 1/2" = 1'-0"



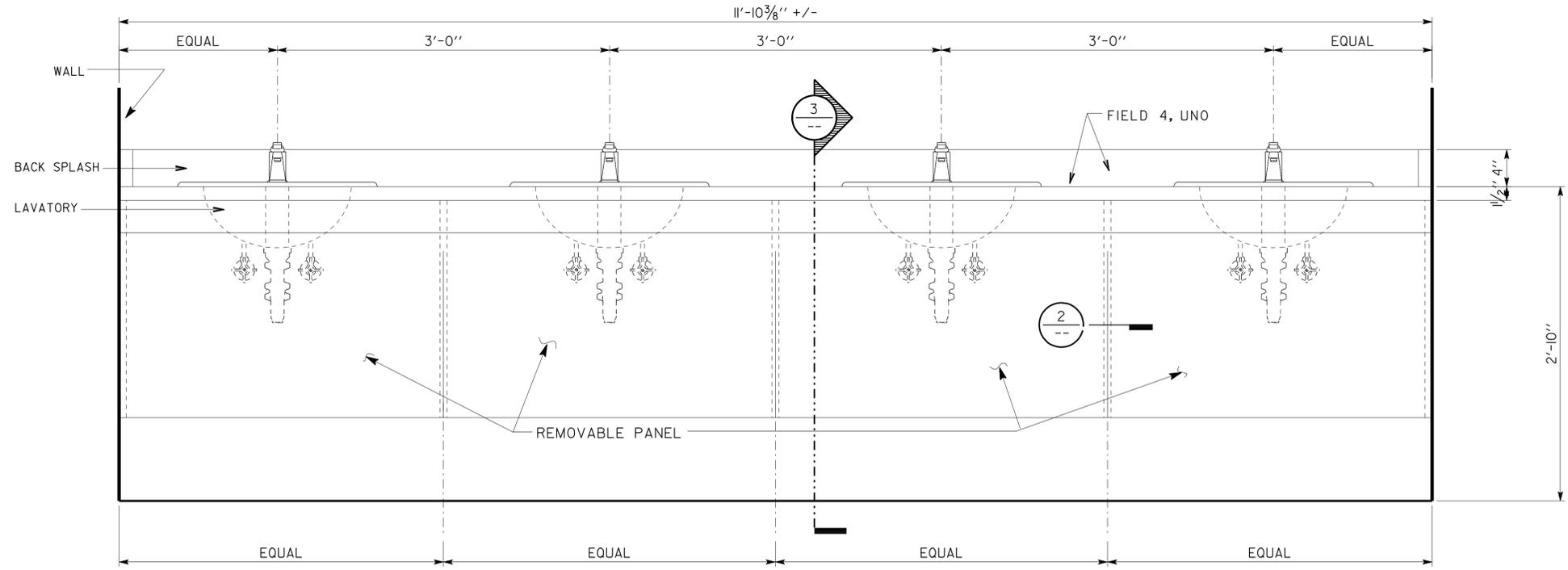
PANEL DETAIL

2

SCALE 1" = 1'-0"

CASEWORK 14 FINISHES:

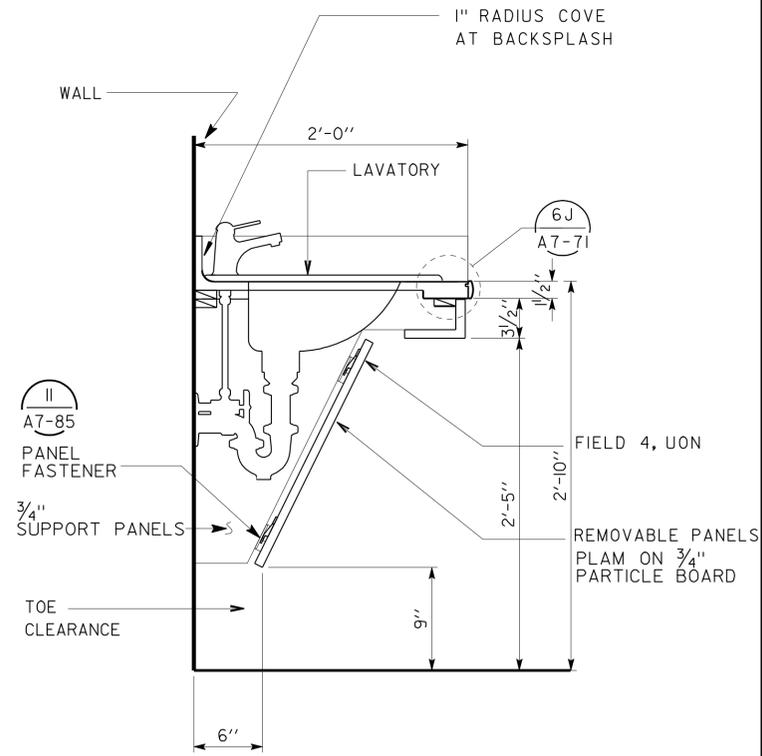
- SEE FIN SCHED 3, P-II: SHT A7-0.4
- ALL PLAM TO BE FIELD I, UON
- SEE FINISH M-4 FOR SPECIAL COUNTER



ELEVATION

A

SCALE 1/2" = 1'-0"



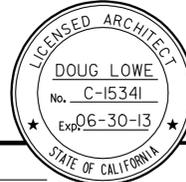
SECTION

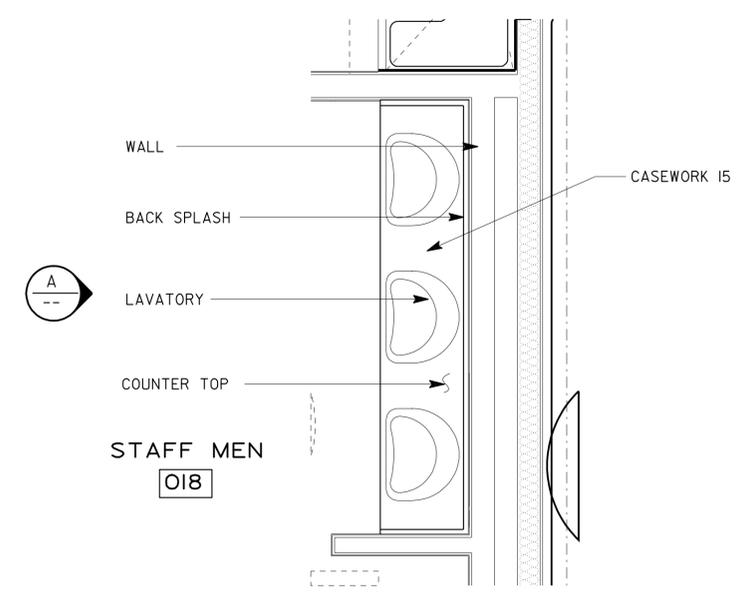
3

SCALE 1/2" = 1'-0"

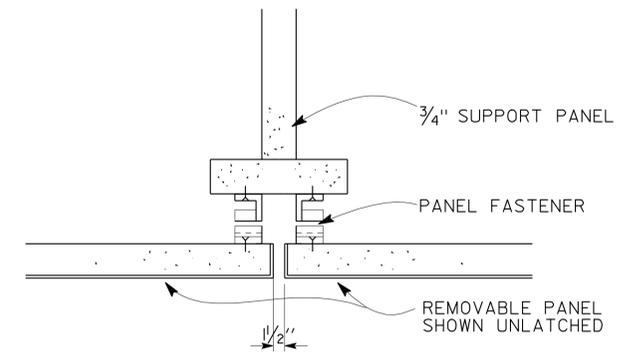
DESIGN BY D. LOWE CHECKED C. FAUST DETAILS BY CHECKED C. FAUST QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET A7-86
			POST MILE 177.3/181.1	CVEF	CASEWORK 14	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT PROJECT NUMBER & PHASE 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF

a7_86_00case14.dgn 26-FEB-2013 13:21 DS OSD Imperial Rev. 11/98 26-FEB-2013 13:21

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	404	710
 DOUG LOWE LICENSED ARCHITECT			12-12-12 DATE		
2-25-13 PLANS APPROVAL DATE					
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CASEWORK 15 PLAN



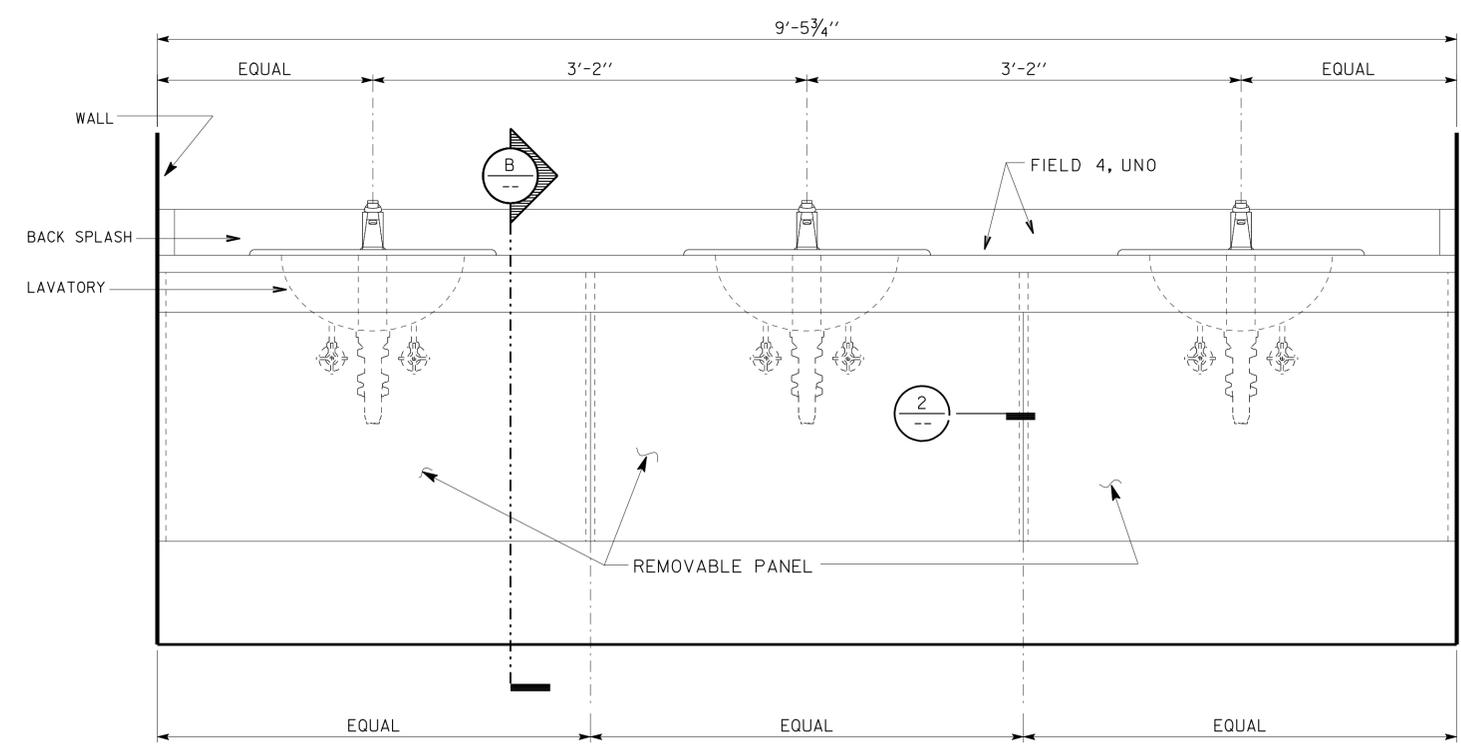
2 PANEL DETAIL
SCALE 1" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08-368501 DISTRICT - EA Reviewed by:  Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  Approval date: 01-20-2011
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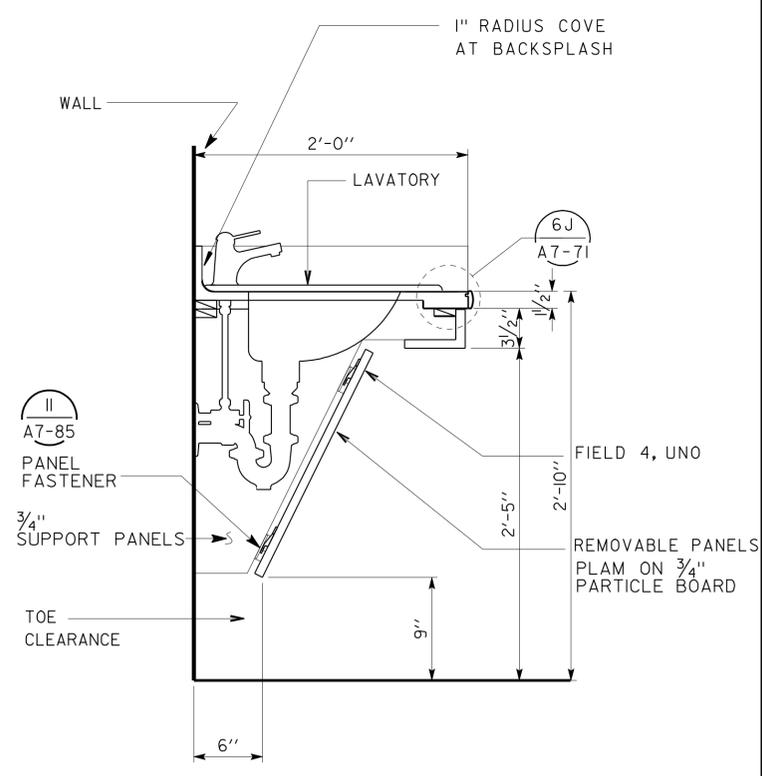
CASEWORK 15 FINISHES:

- SEE FIN SCHD 3, P-II; SHEET A7-0.4
- ALL PLAM TO BE FIELD 4, UON
- ALSO INCLUDES SPECIAL CASEWORK EDGE

1 FLOOR PLANS
SCALE 1/2" = 1'-0"



A ELEVATION
SCALE 1/2" = 1'-0"



B SECTION
SCALE 1/2" = 1'-0"

a7_86_01case15.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:21	DESIGN BY D. LOWE CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE CASEWORK 15	SHEET A7-86.1 OF
	DETAILS BY CHECKED C. FAUST		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 11-01-10 11-30-12

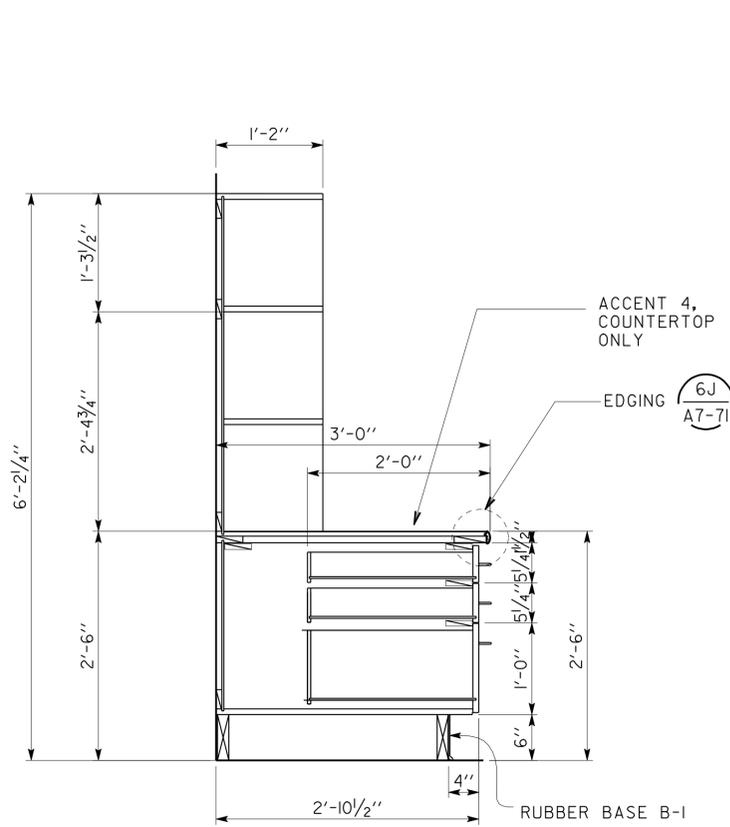
26-FEB-2013 13:21

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	406	710

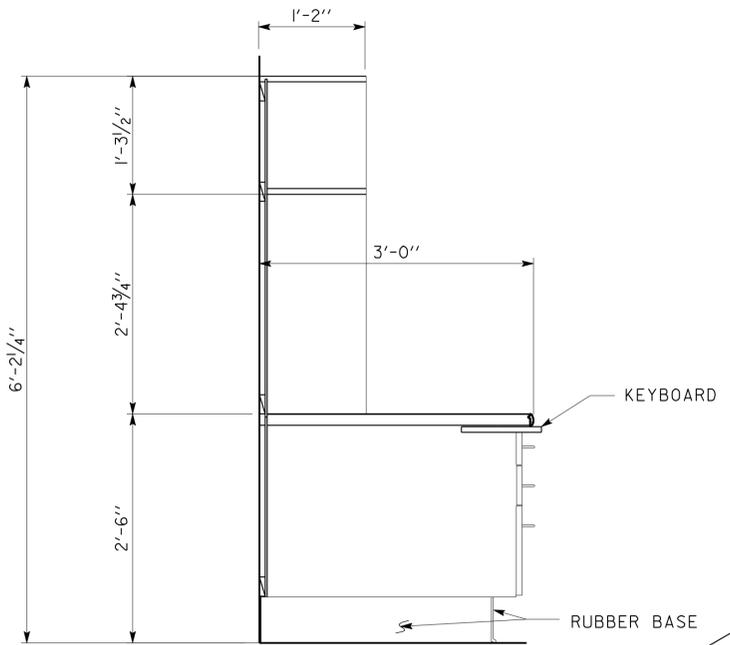
DOUG LOWE
 LICENSED ARCHITECT
 12-12-12 DATE
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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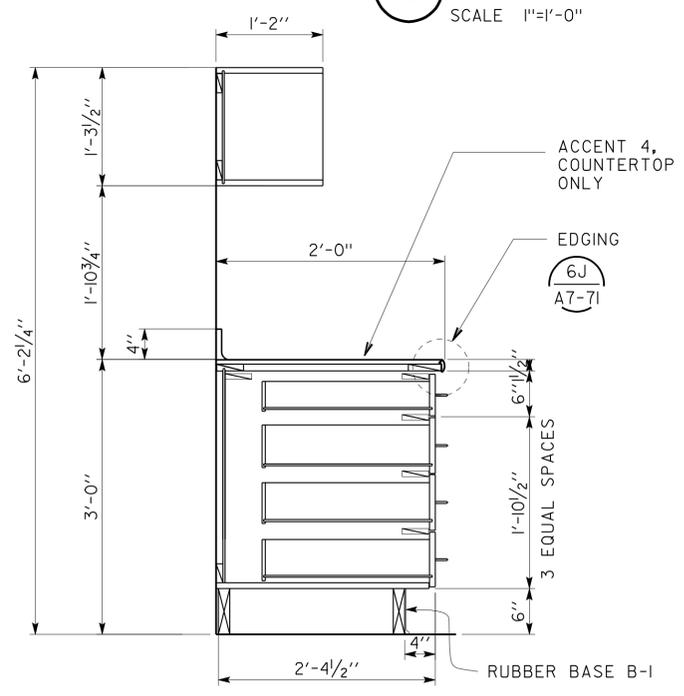
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OIA 08-368501 DISTRICT - EA Reviewed by: <i>[Signature]</i> Y.A. WANG Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> G. ANDERSEN Approval date: 01-20-2011
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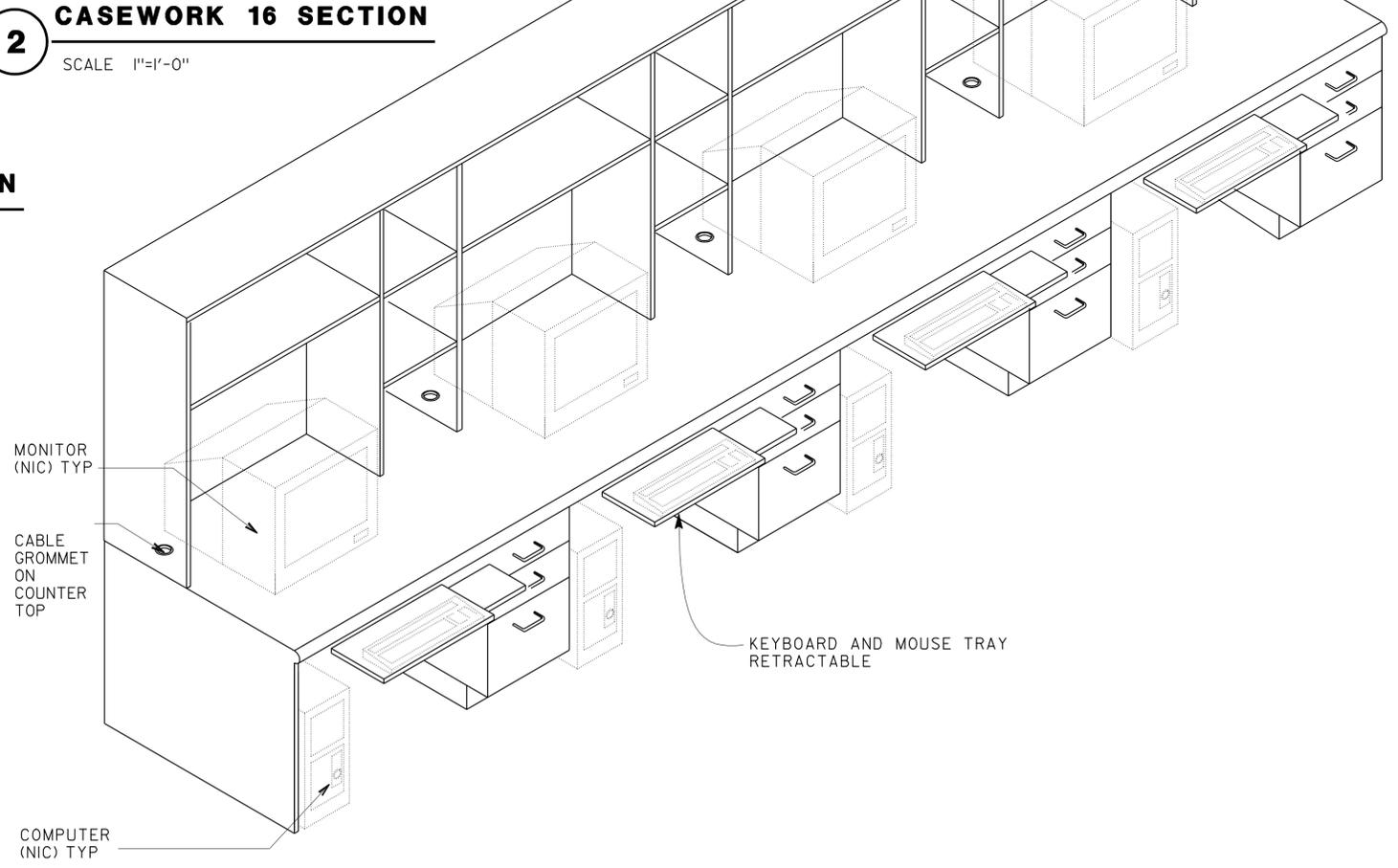
1 CASEWORK 16 SECTION
SCALE 1"=1'-0"



2 CASEWORK 16 SECTION
SCALE 1"=1'-0"



3 CASEWORK 17 SECTION
SCALE 1"=1'-0"



A CASEWORK 16 ISOMETRIC VIEW
SCALE NTS

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

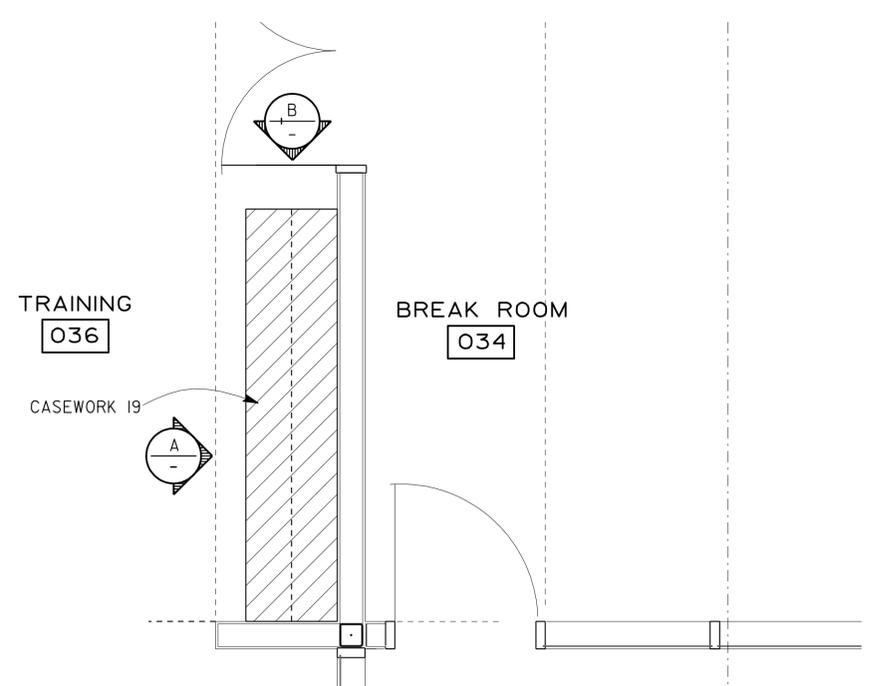
CVEF	MOUNTAIN PASS JOE
	CASEWORK DETAILS 16, 17

SHEET **A7-88** OF

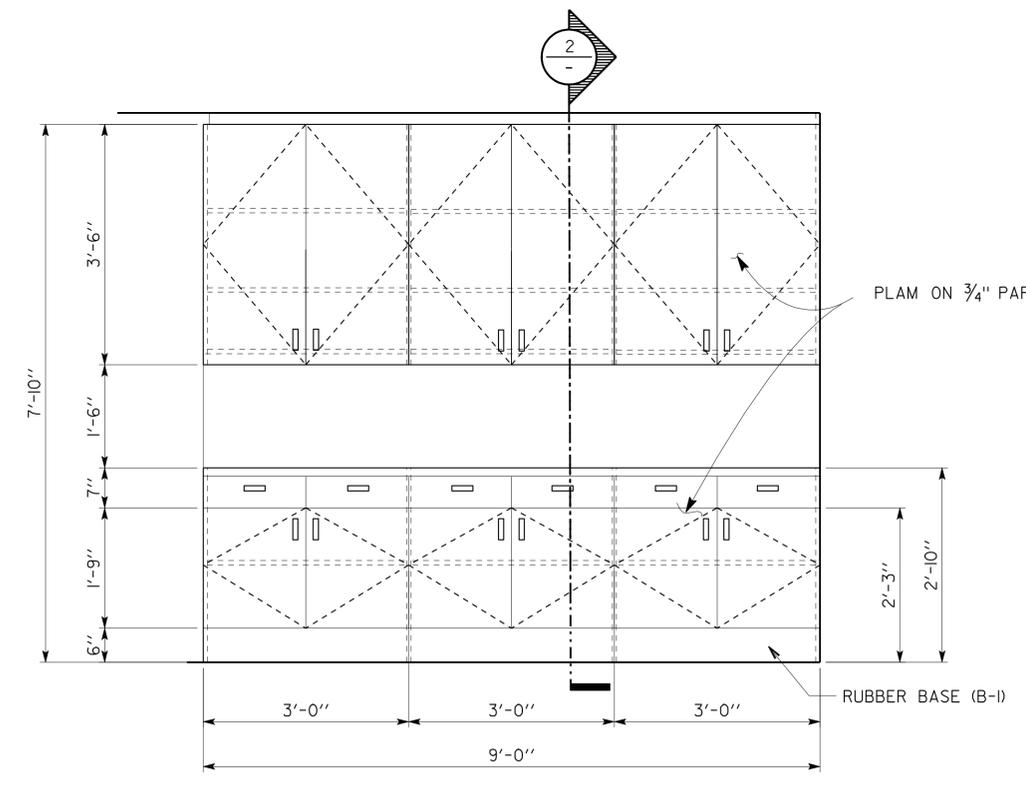
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	407	710
DOUG LOWE LICENSED ARCHITECT			12-12-12 DATE		
2-25-13 PLANS APPROVAL DATE					
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
08-368501
 DISTRICT - EA
 Reviewed by: *[Signature]*
 Y.A. WANG
 Date: 03-30-09

CALIFORNIA STATE FIRE MARSHAL
 APPROVED
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 Reviewed by: *[Signature]*
 G. ANDERSEN
 Approval date: 01-20-2011



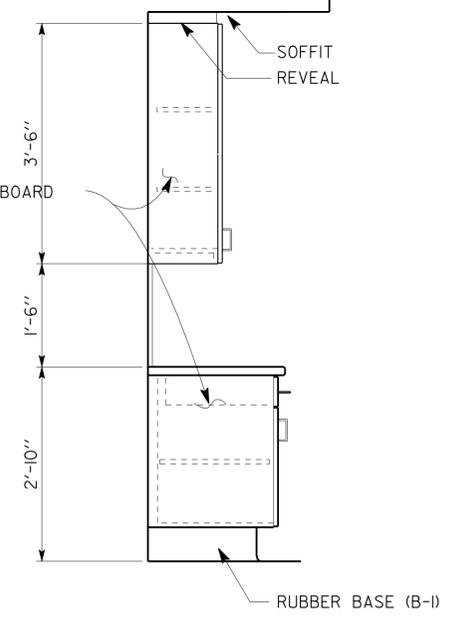
1 CASEWORK 19 PLAN
 SCALE 1/2" = 1'-0"



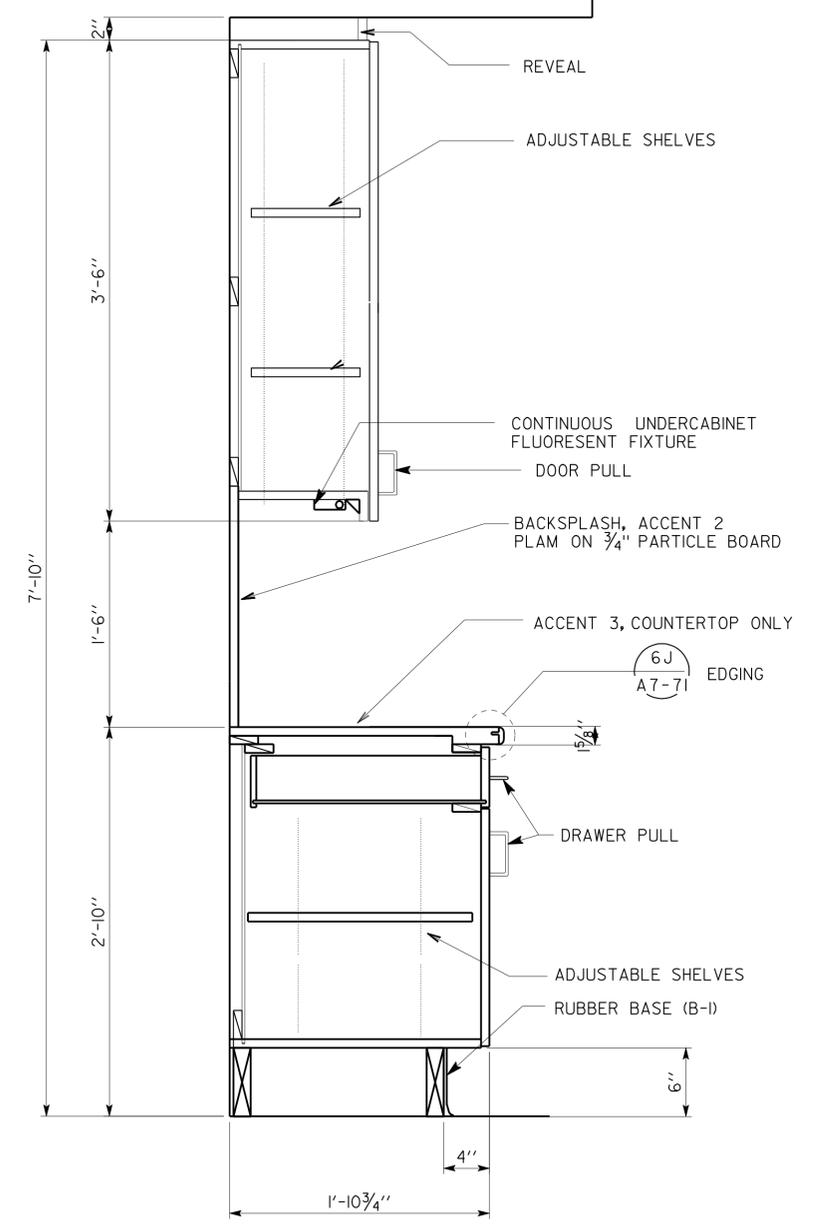
A ELEVATION
 SCALE 3/4" = 1'-0"

CASEWORK 19 FINISHES:

- SEE FIN SCHED 3, P-10 : SHT A7-0.4
- ALL PLAM TO BE FIELD 2, UON.
- ALSO INCLUDES PLAM ACCENT 2 AND ACCENT 3, WHERE SHOWN
- PROVIDE SPECIAL CASEWORK EDGE WHERE SHOWN.
- ALL CASEWORK 19 BASE TO BE B-1

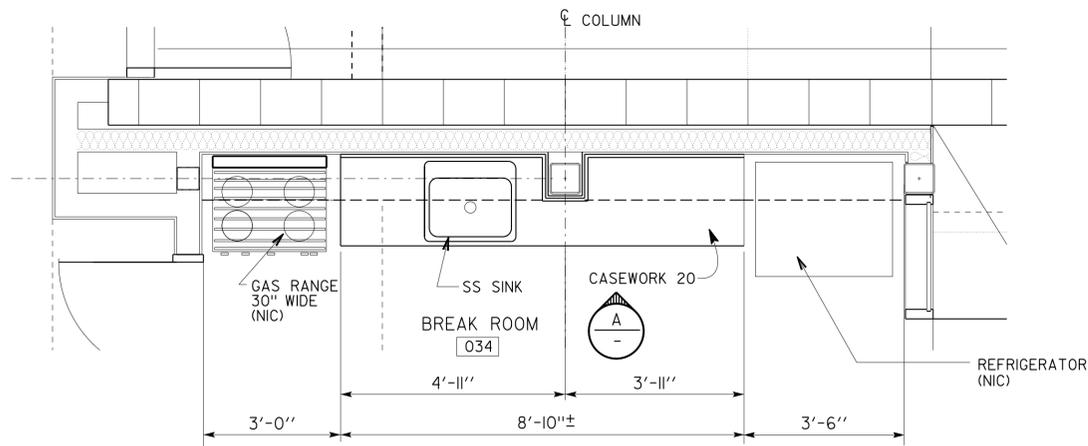


B END ELEVATION
 SCALE 3/4" = 1'-0"



2 SECTION
 1/2" = 1'-0"

a7_89case19.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:22	DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET
	DETAILS BY	CHECKED C. FAUST		PROJECT NUMBER & PHASE 08000006281	POST MILE 177.3/181.1	CVEF	CASEWORK 19	A7-89
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-21-10 11-30-12	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF



1 CASEWORK 20 PLAN
SCALE 1/2" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
08-368501
DISTRICT - EA
Reviewed by: *[Signature]*
Y.A. WANG
Date: 03-30-09

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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Reviewed by: *[Signature]*
G. ANDERSEN
Approval date: 01-20-2011

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	408	710

DOUG LOWE
LICENSED ARCHITECT
12-12-12
DATE

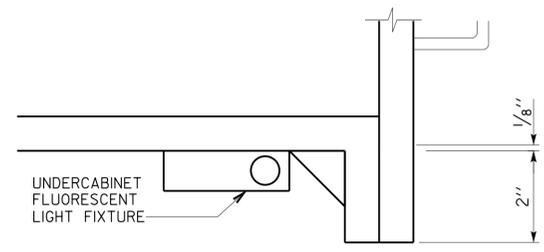
LICENSED ARCHITECT
DOUG LOWE
No. C-15341
Exp. 06-30-13
STATE OF CALIFORNIA

2-25-13
PLANS APPROVAL DATE

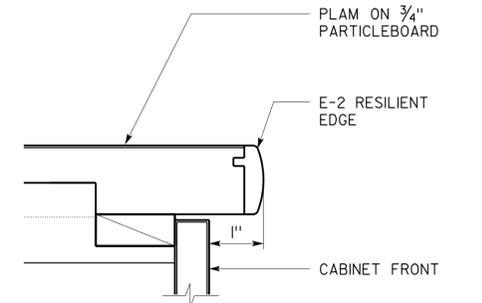
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CASEWORK 20 FINISHES:

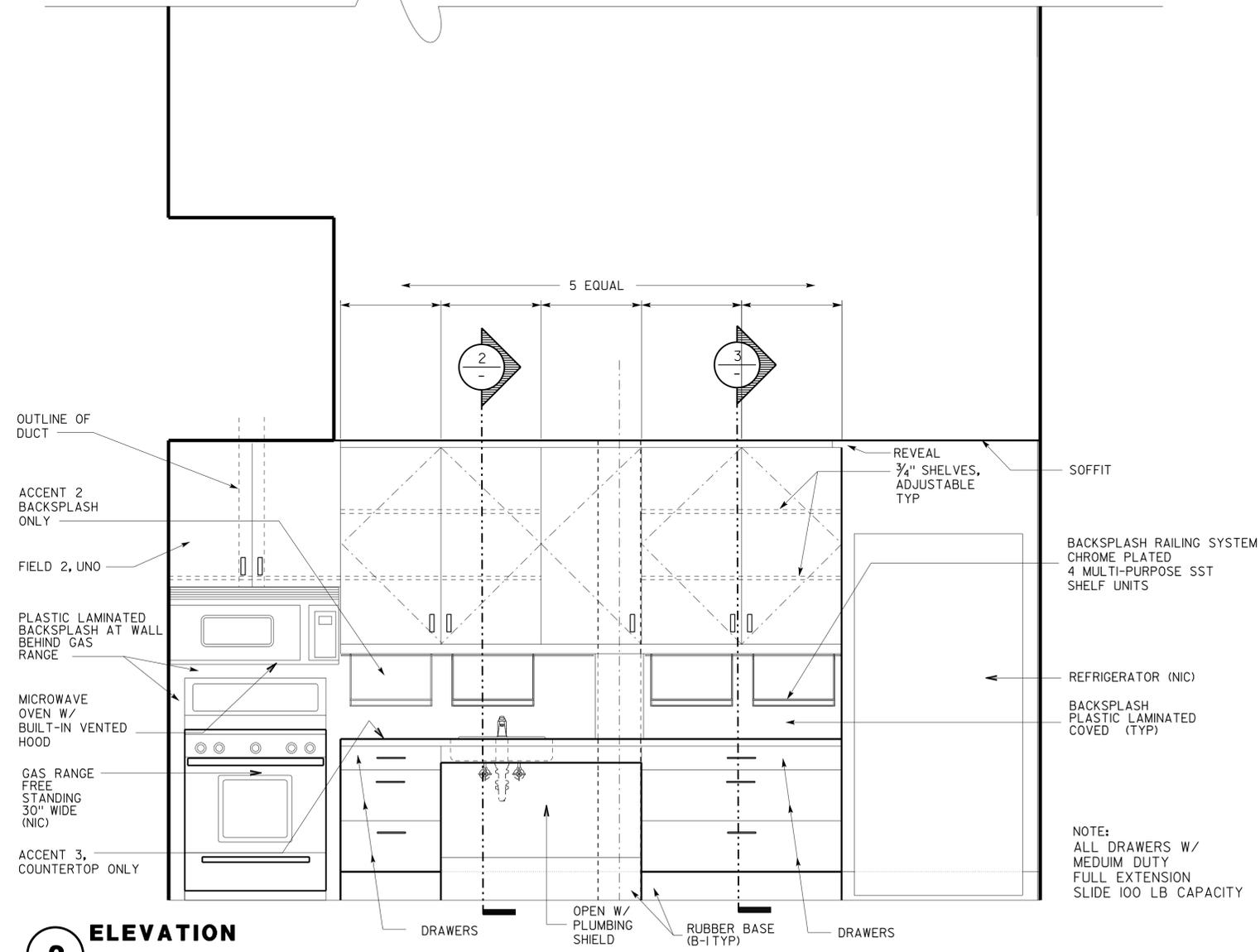
- SEE FIN SCHED 3, P-10 : SHT A7-0.4
- ALL PLAM TO BE FIELD 2, UON.
- USE PLAM ACCENT 2 AND ACCENT 3 WHERE SHOWN.
- INCLUDE SPECIAL CASEWORK EDGE WHERE SHOWN
- ALL CASEWORK 20 BASE TO BE B-1



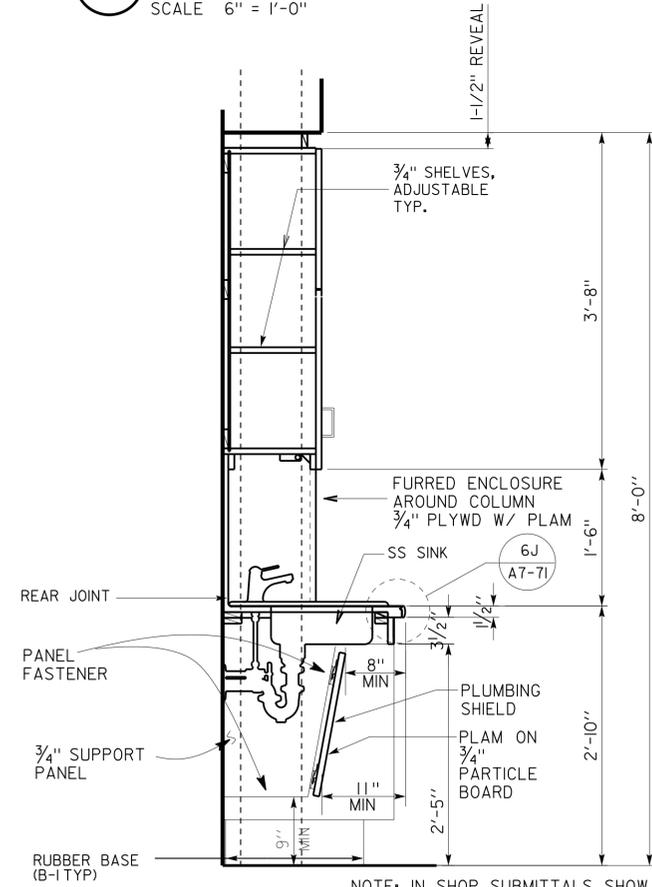
4 DETAIL
SCALE 6" = 1'-0"



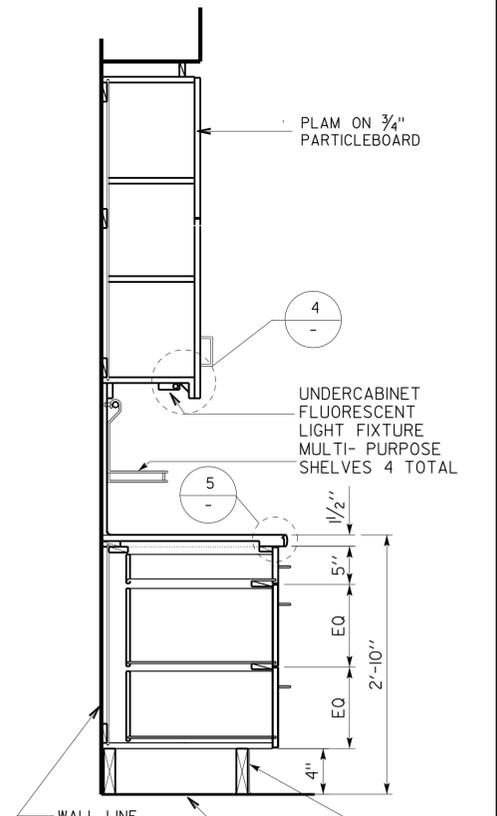
5 DETAIL
SCALE 6" = 1'-0"



2 ELEVATION
SCALE 3/4" = 1'-0"



2 DETAIL
SCALE 1" = 1'-0"



3 DETAIL
SCALE 1" = 1'-0"

NOTE:
ALL DRAWERS W/
MEDIUM DUTY
FULL EXTENSION
SLIDE 100 LB CAPACITY

NOTE: IN SHOP SUBMITTALS, SHOW
PLUMBING SHIELD, DUE TO SIZE
OF GARBAGE DISPOSAL

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
CASEWORK 20

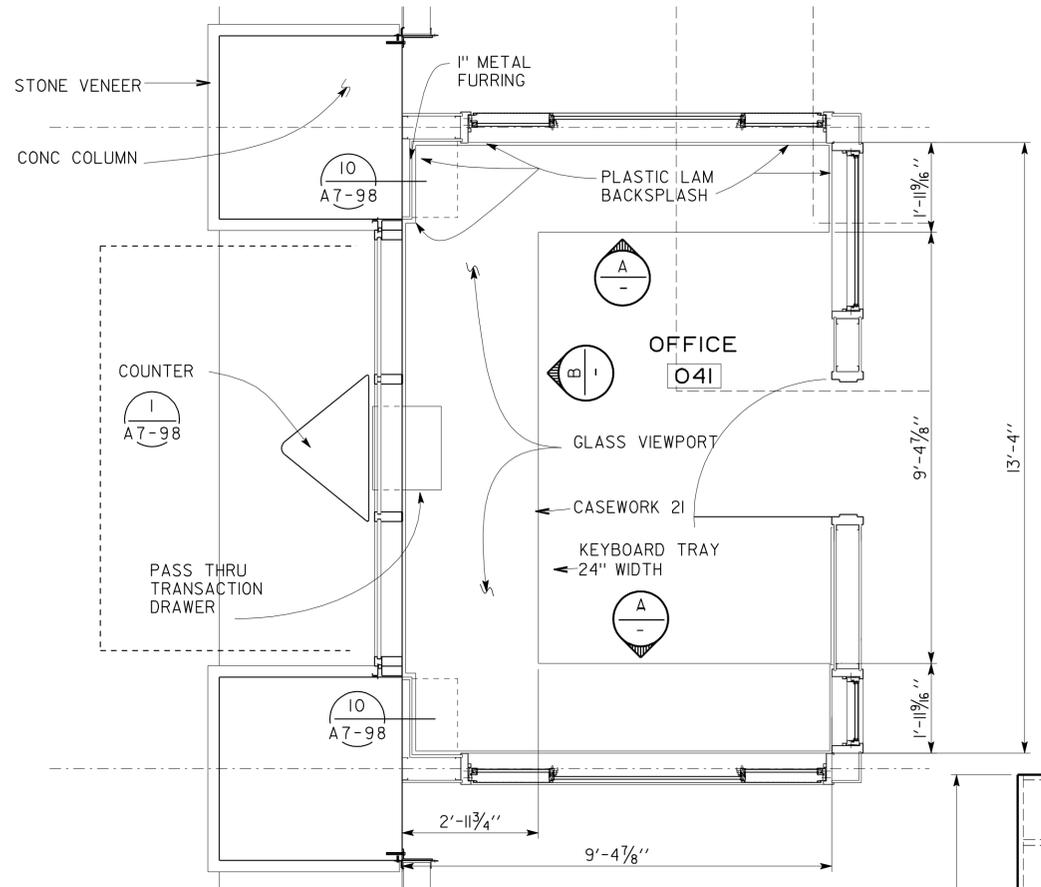
SHEET A7-90

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	409	710

DOUG LOWE
 LICENSED ARCHITECT
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

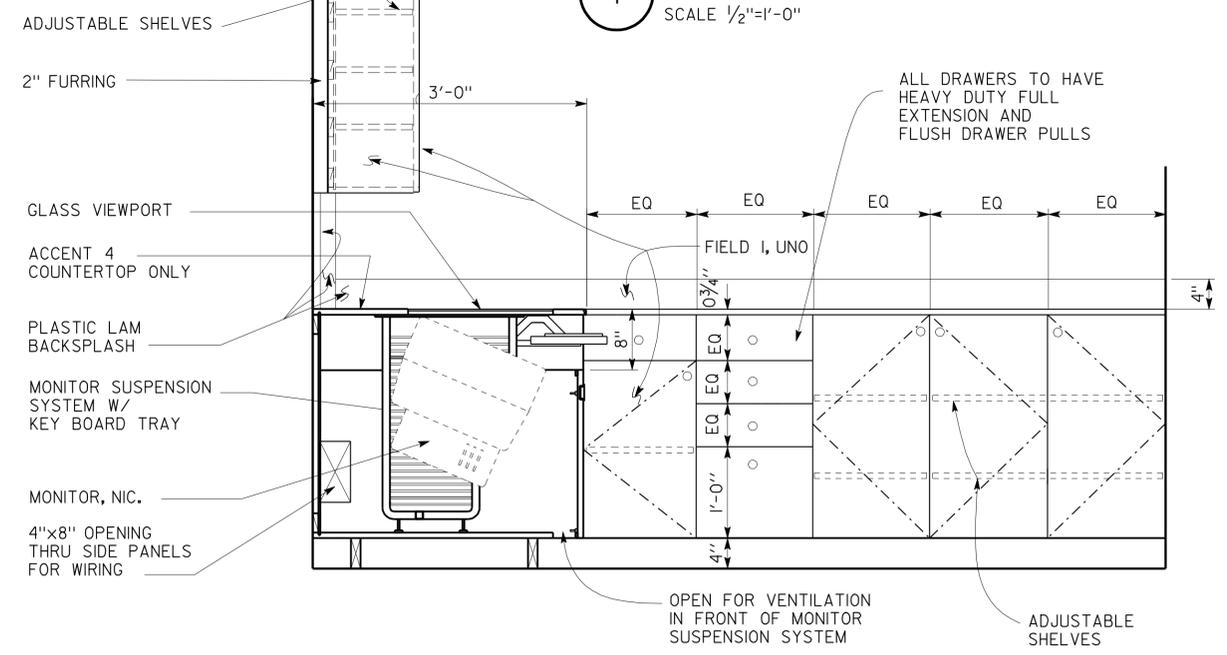
12-12-12 DATE
 2-25-13 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

- CASEWORK 21 FINISHES:**
- SEE FIN SCHED 3, P-9 : SHT A7-0.4
 - * ALL PLAM TO BE FIELD I, UON.
 - * USE PLAM ACCENT 4, WHERE SHOWN.
 - * BASE TO BE B-1

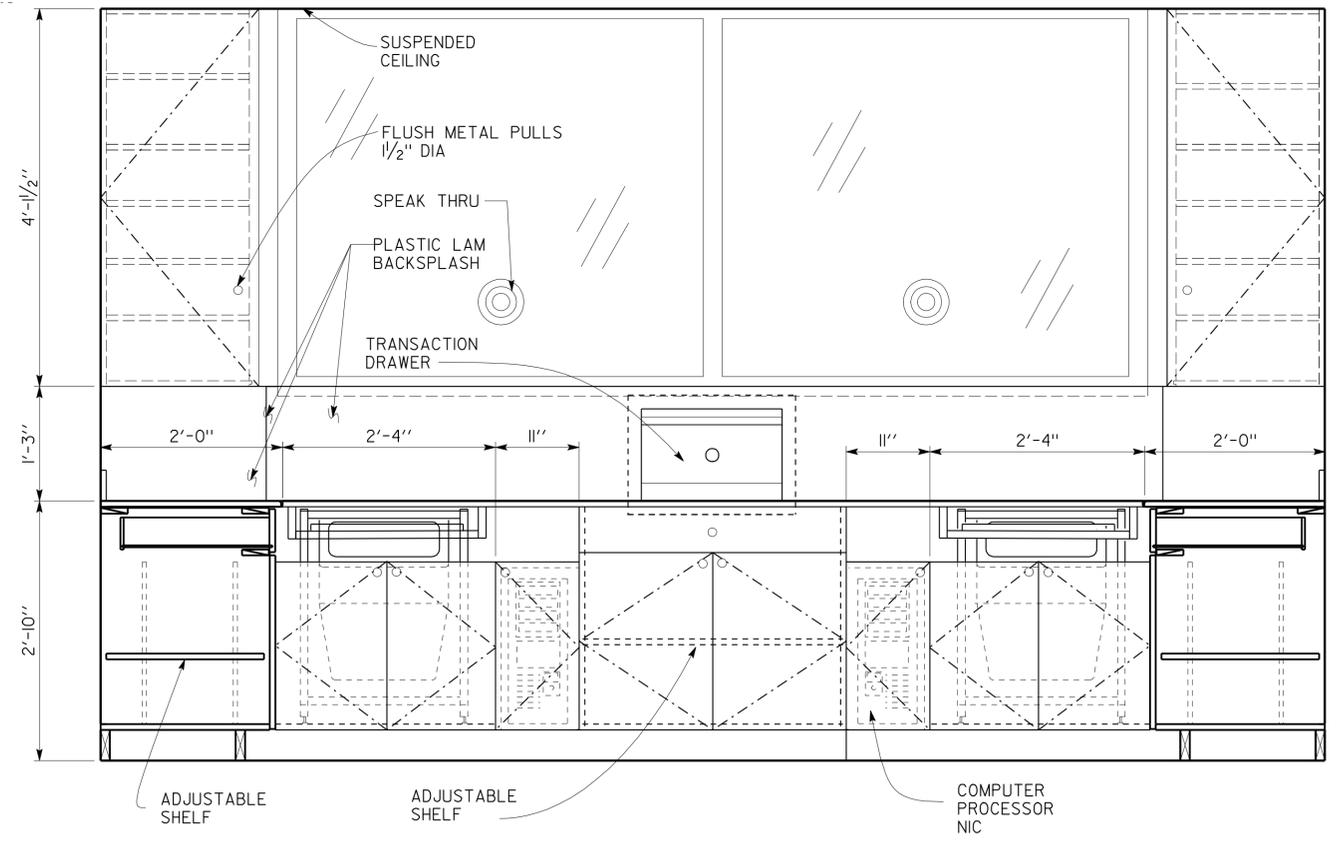


FLOOR PLAN
SCALE: 1/16" = 1'-0"

CASEWORK 21 PLAN
SCALE 1/2" = 1'-0"



A ELEVATION
SCALE 1" = 1'-0" WEST ELEVATION SHOWN EAST ELEVATION IS MIRROR IMAGE



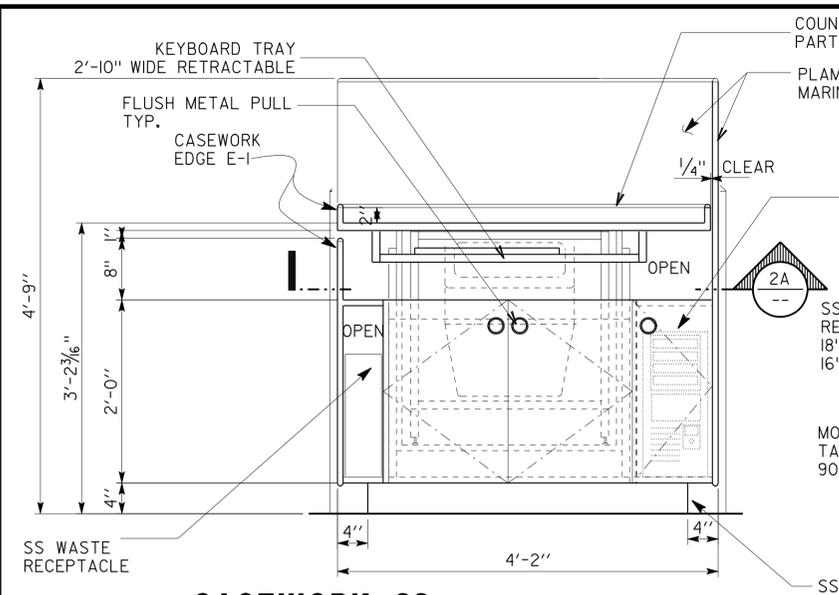
B ELEVATION
SCALE 1" = 1'-0"

a7_91case21.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:22	DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE CASEWORK 21	SHEET OF
	DETAILS BY	CHECKED C. FAUST		UNIT PROJECT NUMBER & PHASE 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 368501			

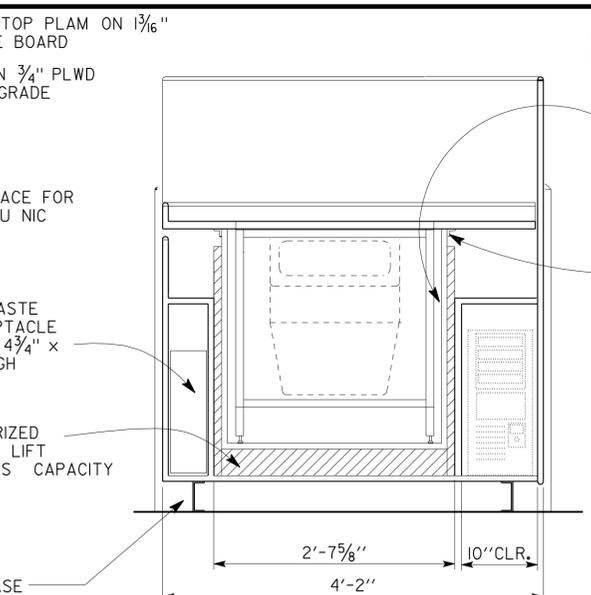
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	410	710

DOUG LOWE
 LICENSED ARCHITECT
 DATE 12-12-12
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

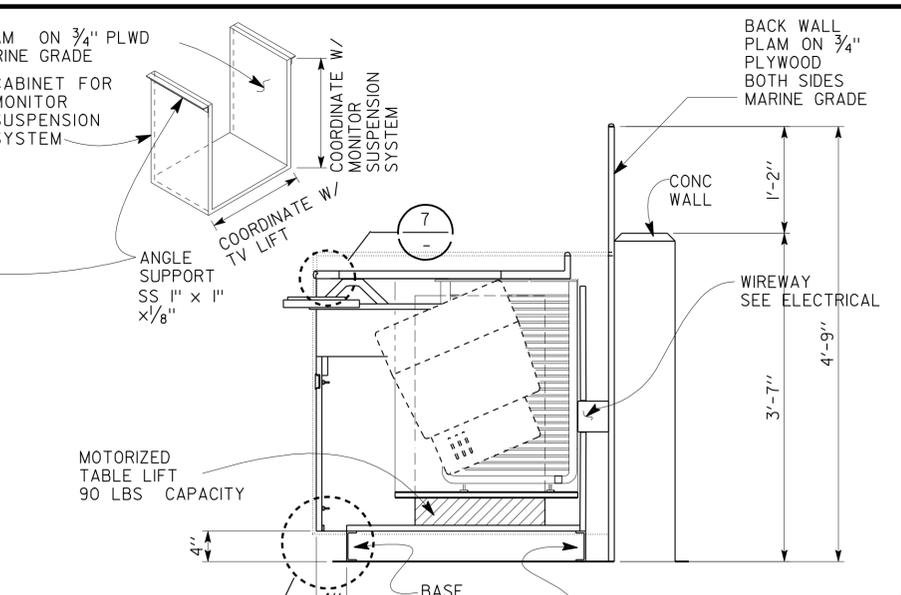
2-25-13
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



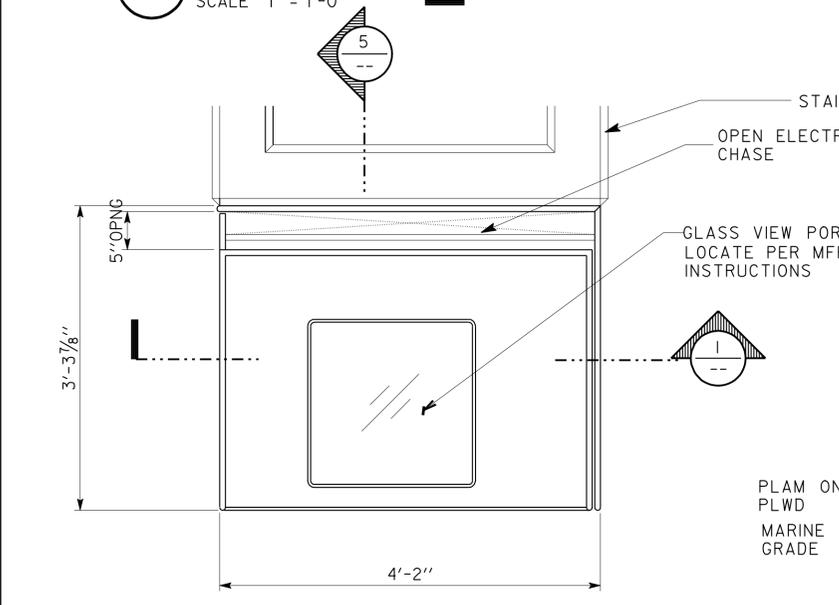
A CASEWORK 22 INSPECTOR'S STATION-ELEVATION
SCALE 1" = 1'-0"



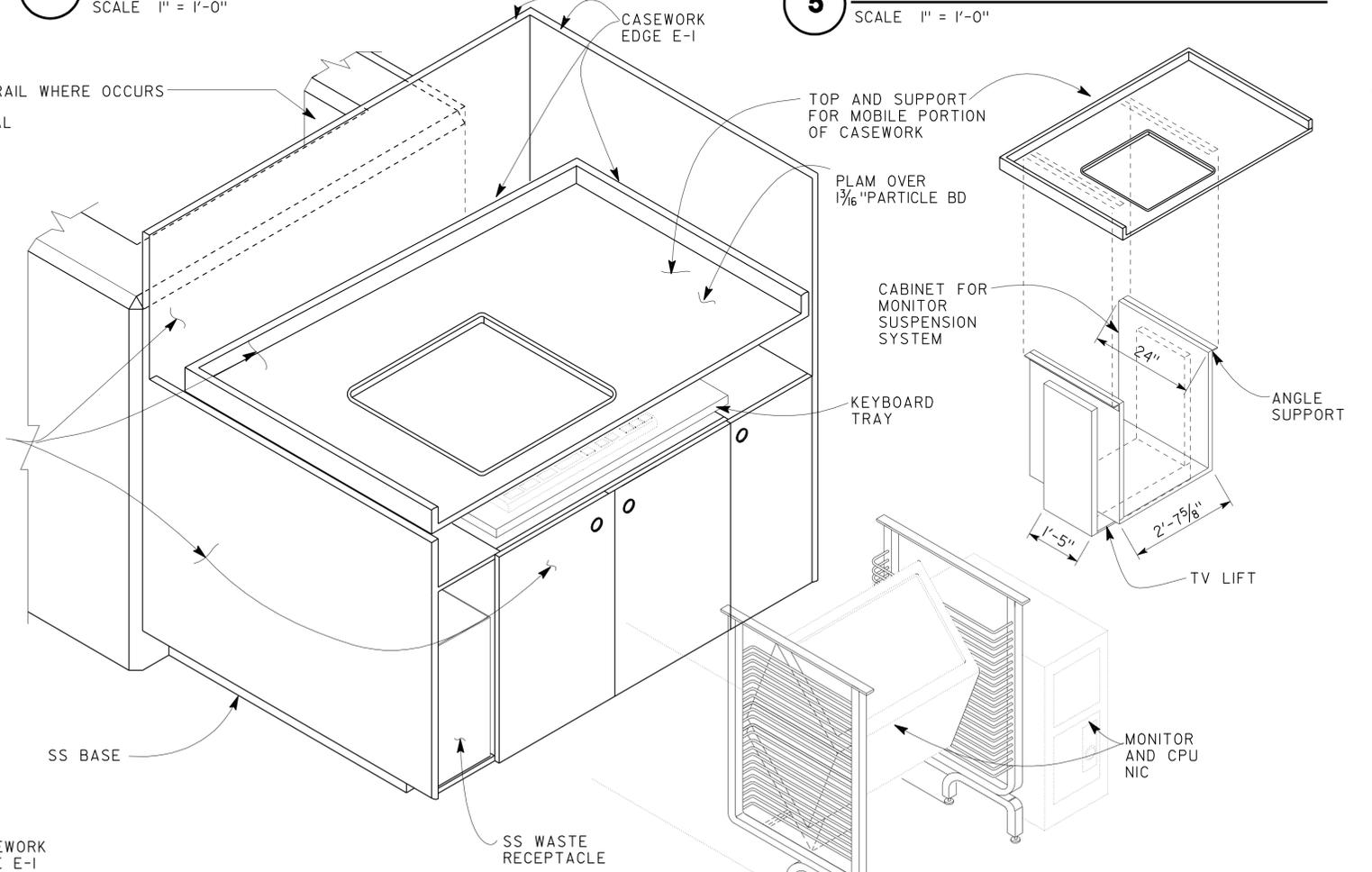
1 INSPECTOR'S STATION-SECTION
SCALE 1" = 1'-0"



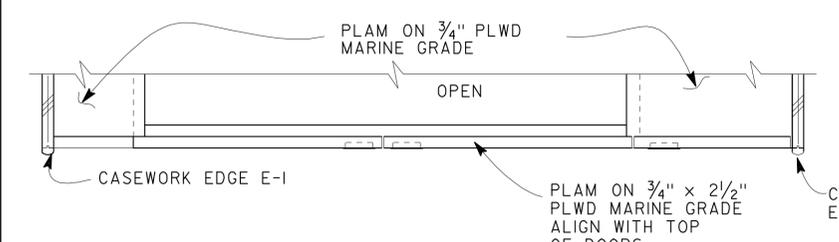
5 INSPECTOR'S STATION-SECTION
SCALE 1" = 1'-0"



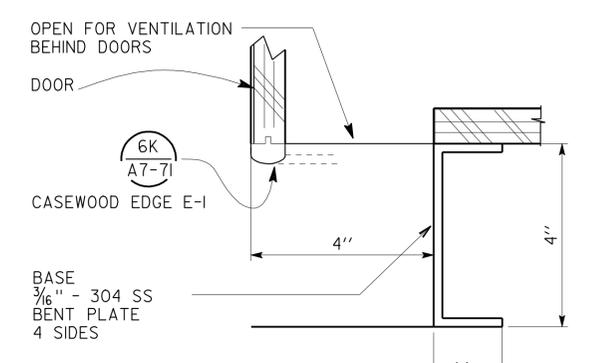
2 INSPECTOR'S STATION-PLAN
SCALE 1" = 1'-0"



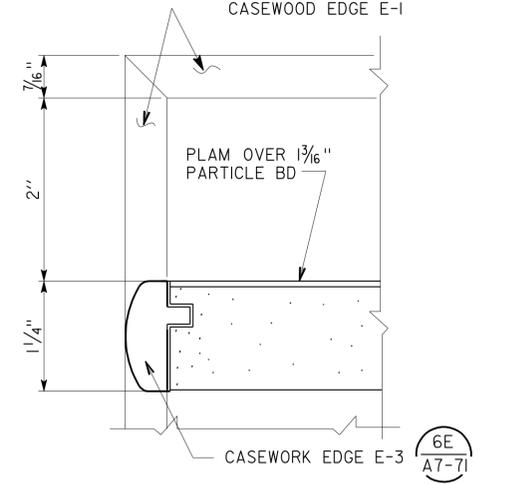
4 CASEWORK 22 INSPECTOR STATION-ISOMETRIC VIEW
NOT TO SCALE



2A SECTION ABOVE DOOR
SCALE 1/2" = 1'-0"



6 BASE DETAIL
SCALE 6" = 1'-0"



7 CASEWOOD EDGE
SCALE 1" = 1'

CASEWORK 22 FINISHES:
 SEE FIN SCHED 3, P-8 A7-0.4
 * ALL PLAM TO BE FIELD I, UON
 * ALSO INCLUDES SPECIAL CASEWORK EDGES

DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE CASEWORK 22	SHEET A7-92	
DETAILS BY	CHECKED C. FAUST		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 177.3/181.1		CVEF	OF
QUANTITIES BY	CHECKED		PROJECT NUMBER & PHASE 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

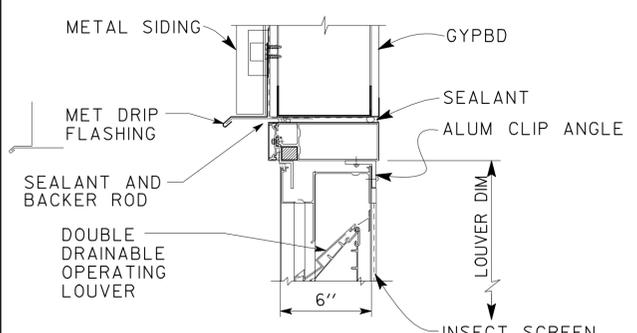
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 UNIT PROJECT NUMBER & PHASE 3584 08000006281
 11-01-10 11-30-12
 a7_92case22.dgn 26-FEB-2013 13:22

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	411	710

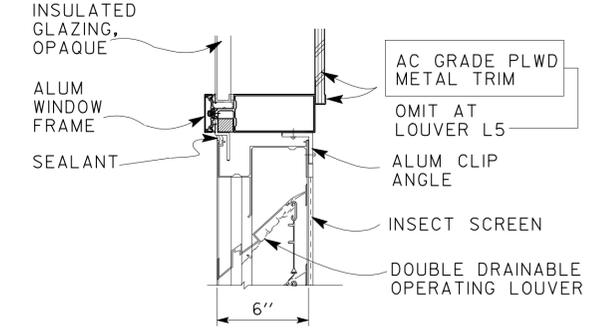
DOUG LOWE
 LICENSED ARCHITECT
 12-12-12 DATE
 2-25-13 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



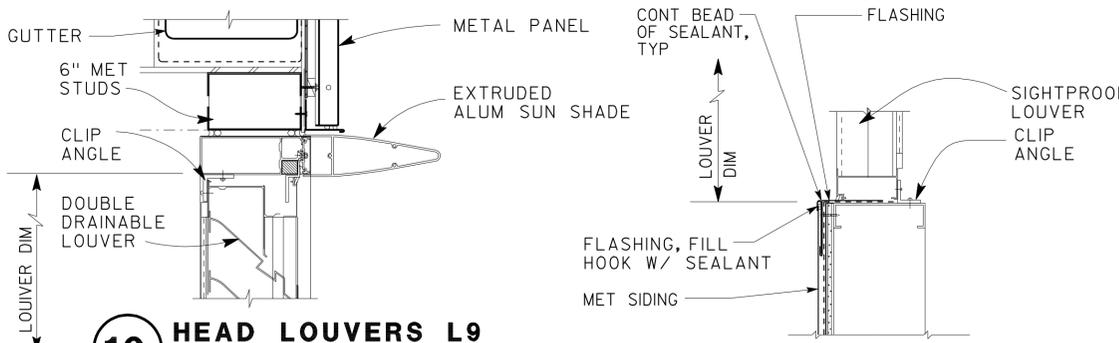
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08-368501 DISTRICT - EA Reviewed by: <i>[Signature]</i> Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> Approval date: 01-20-2011
--	---



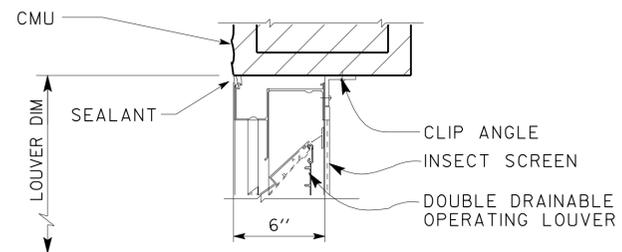
1 HEAD LOUVER L4
SCALE: 2"=1'-0"



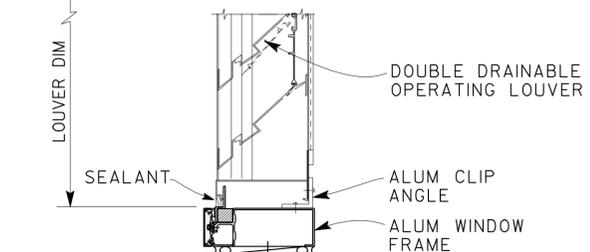
6 HEAD LOUVERS L1,L2,L5
SCALE: 2"=1'-0"



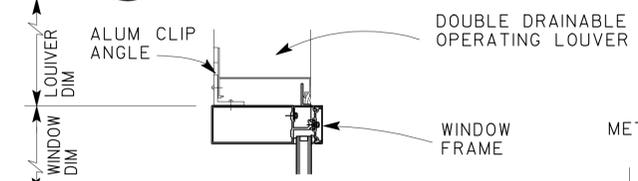
10 HEAD LOUVERS L9
SCALE: 2"=1'-0"



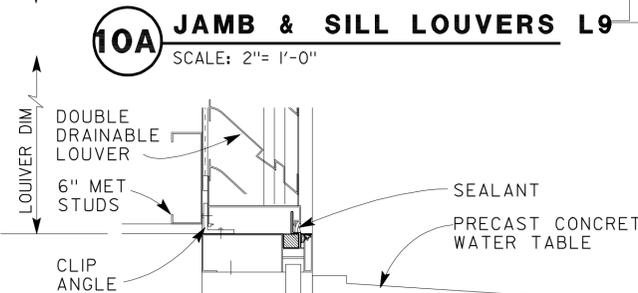
2 HEAD LOUVERS L6,L7
SCALE: 2"=1'-0"



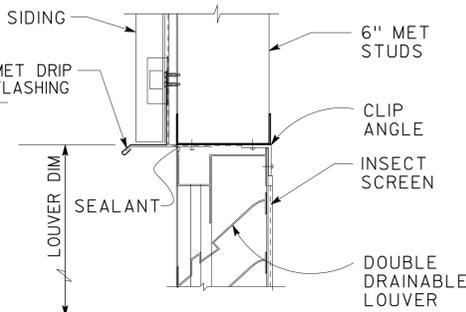
7 SILL LOUVERS L1,L2,L4,L5
SCALE: 2"=1'-0"



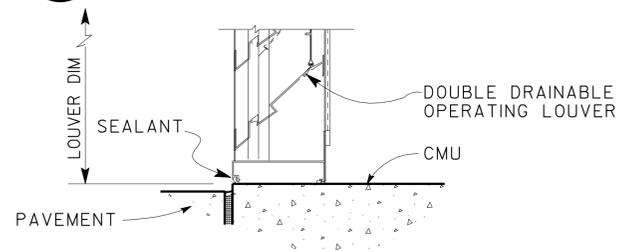
14 JAMB LOUVERS L10,L11
SCALE: 2"=1'-0"



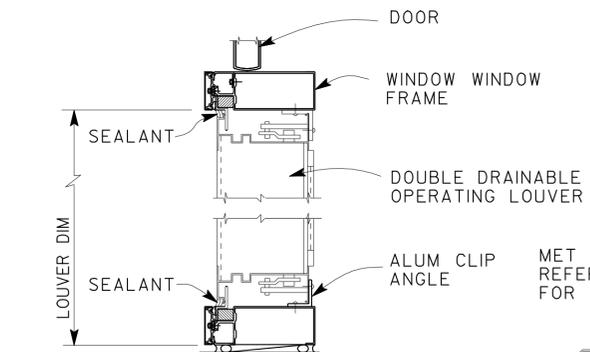
10A JAMB & SILL LOUVERS L9
SCALE: 2"=1'-0"



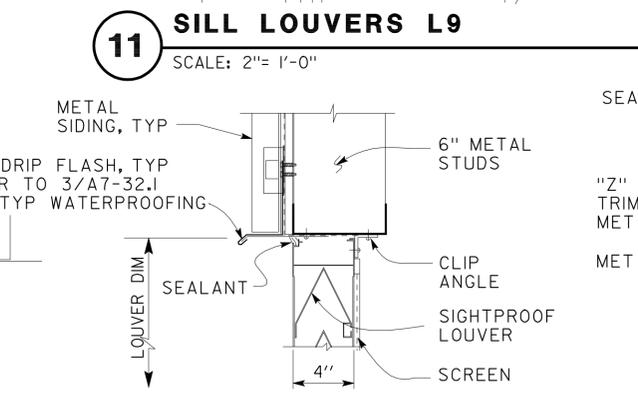
15 HEAD LOUVERS L12,L13
SCALE: 2"=1'-0"



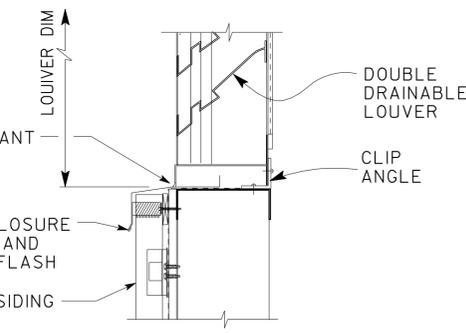
3 SILL LOUVERS L6,L7
SCALE: 2"=1'-0"



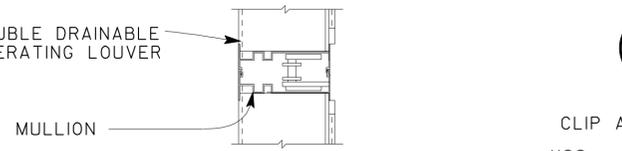
8 JAMB LOUVERS L1,L5,L6,L7
SCALE: 2"=1'-0"



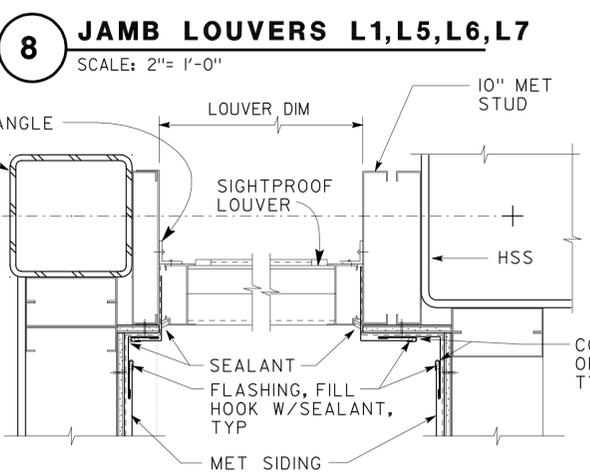
11 SILL LOUVERS L9
SCALE: 2"=1'-0"



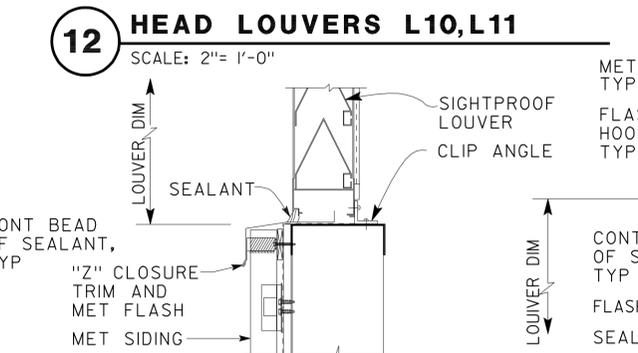
16 SILL LOUVERS L12,L13
SCALE: 2"=1'-0"



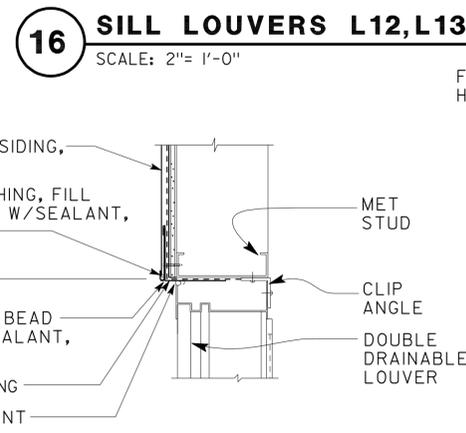
4 MULLION LOUVERS L6,L7
SCALE: 2"=1'-0"



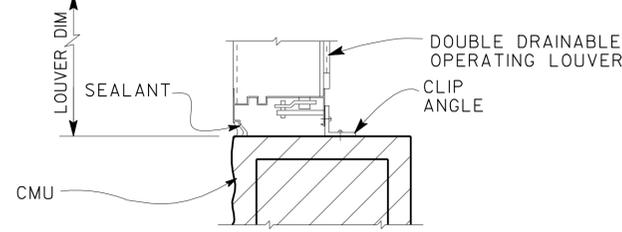
9 JAMB LOUVERS L11
SCALE: 2"=1'-0"



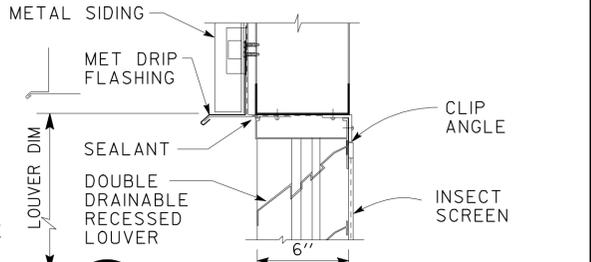
12 HEAD LOUVERS L10,L11
SCALE: 2"=1'-0"



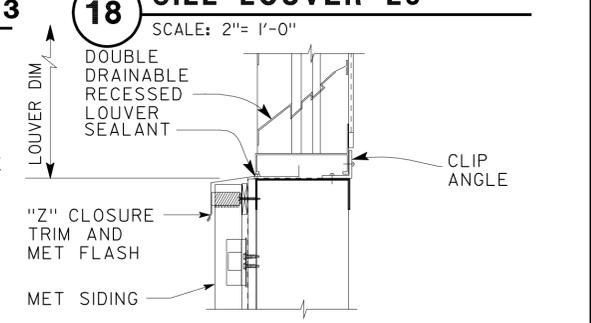
17 JAMB LOUVERS L12,L13
SCALE: 2"=1'-0"



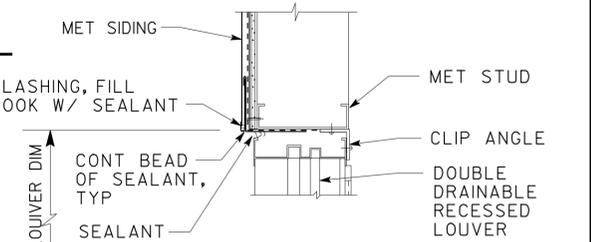
5 JAMB LOUVERS L6,L7
SCALE: 2"=1'-0"



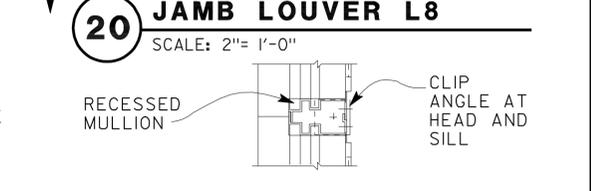
18 SILL LOUVER L8
SCALE: 2"=1'-0"



19 SILL LOUVER L8
SCALE: 2"=1'-0"



20 JAMB LOUVER L8
SCALE: 2"=1'-0"



21 MULLION L8
SCALE: 2"=1'-0"

DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE LOUVER DETAILS	SHEET	
DETAILS BY DOUG LOWE, CB	CHECKED C. FAUST		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 177.3/181.1		CVEF	A7-93
QUANTITIES BY	CHECKED		PROJECT NUMBER & PHASE 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT PROJECT NUMBER & PHASE: 3584 08000006281
 DATE: 11-01-10 11-30-12
 a7_93louvd1.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:22

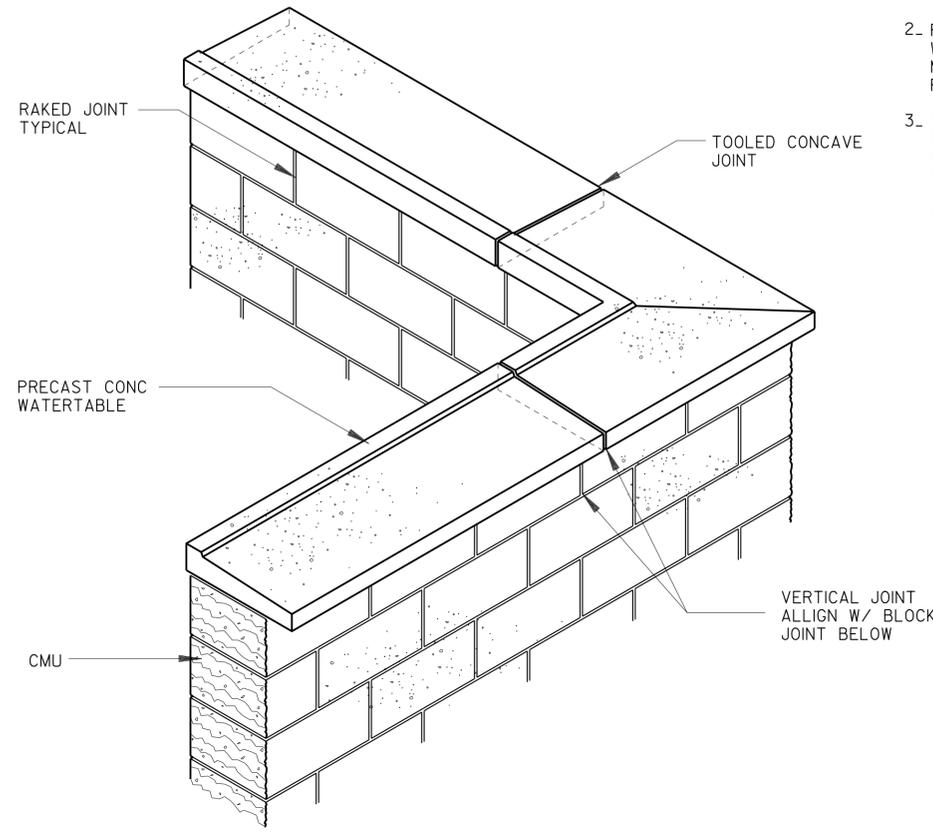
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	412	710

DOUG LOWE	12-12-12
LICENSED ARCHITECT	DATE

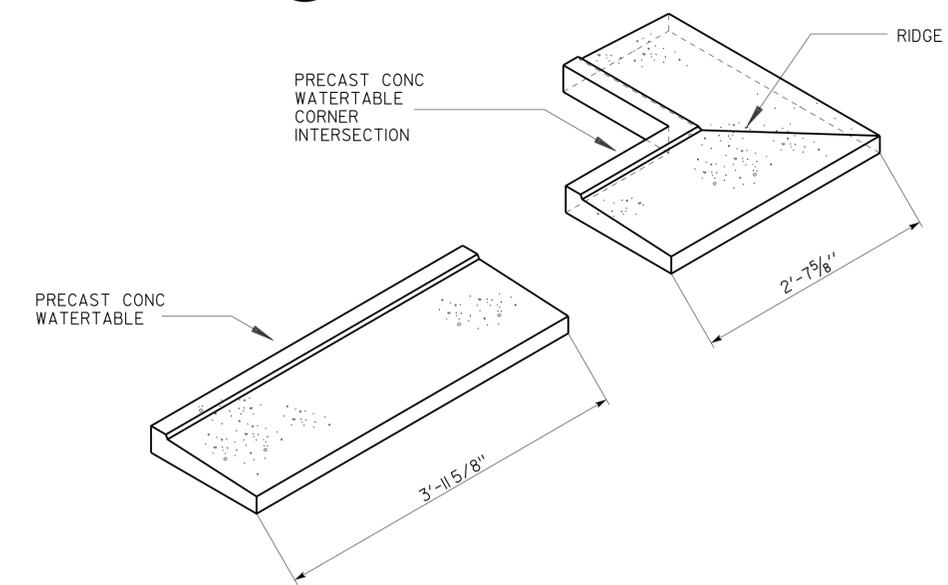
2-25-13
PLANS APPROVAL DATE

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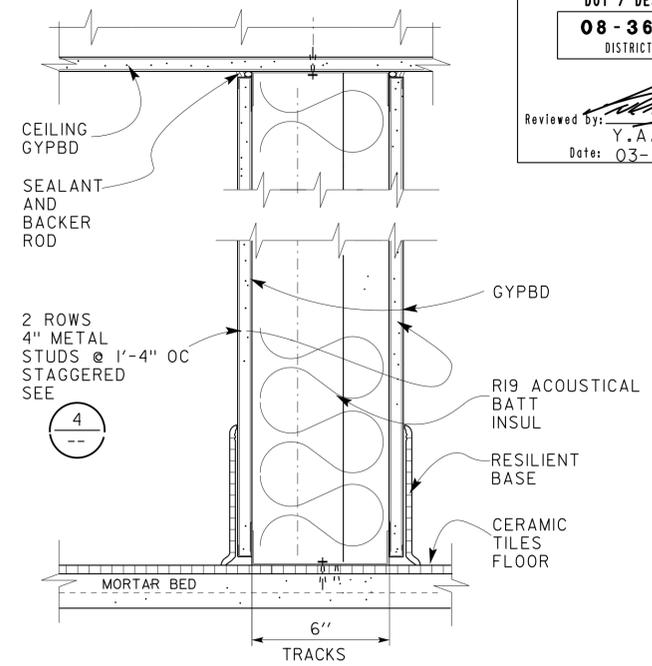
- NOTE:**
1. CONCRETE MASONRY UNITS SHOWN WITHOUT OTHER FINISHES FOR CLARITY. PRECAST CONCRETE WATERTABLE IS FOR LAYOUT AS SHOWN.
 2. PRECAST CONCRETE WATERTABLE SHALL BE MEDIUM SANDBLAST FINISH TYPICAL
 3. WHERE CONTROL JOINT OCCURS PROVIDE AT MASONRY, PROVIDE ELASTOMERIC SANDED SEALANT W/ BACKER ROD. SAW CUT PRECAST CONCRETE WATERTABLE AND ALIGN W/ CONTROL JOINT



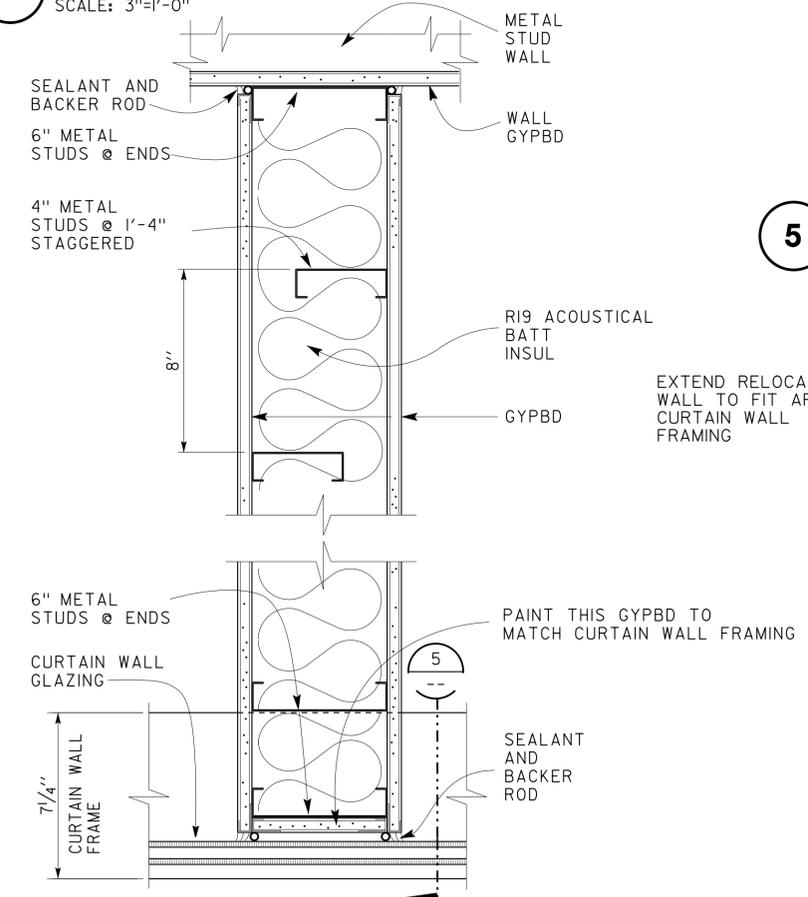
1 CONCRETE MASONRY WALL ISOMETRIC
SCALE: 1"=1'-0"



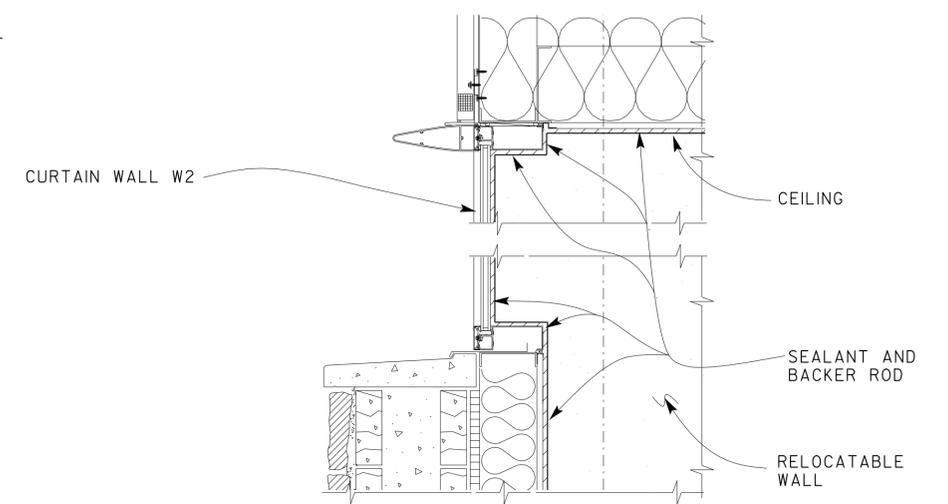
2 PRECAST CONCRETE WATERTABLE ISOMETRIC
SCALE: 1"=1'-0"



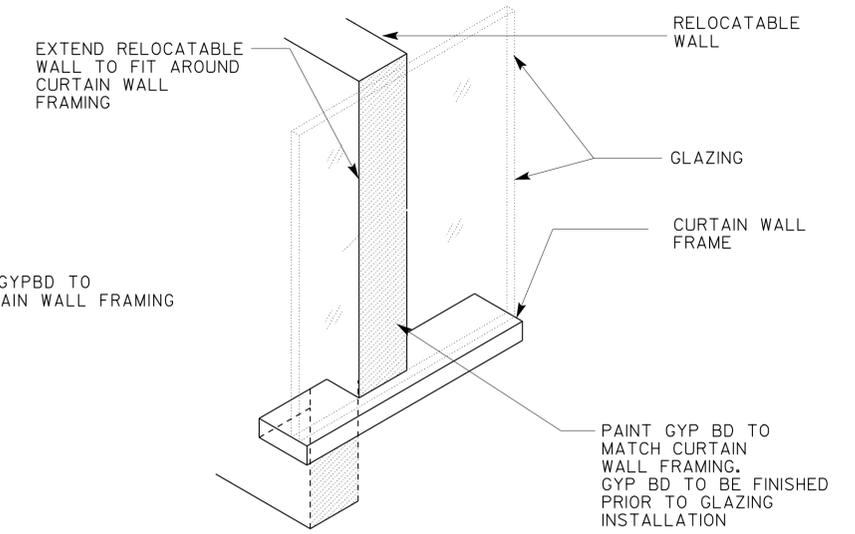
3 RELOCATABLE WALL SECTION
SCALE: 3/4"=1'-0"



4 RELOCATABLE WALL PLAN
SCALE: 3/4"=1'-0"



5 WALL AT CURTAIN WALL SECTION
SCALE: 2"=1'-0"



6 ISOMETRIC WALL AT CURTAIN WALL
NOT TO SCALE

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY DON CHOW, CB	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE		SHEET
CVEF	PRECAST CONCRETE DETAILS AND RELOCATABLE WALL	A7-94

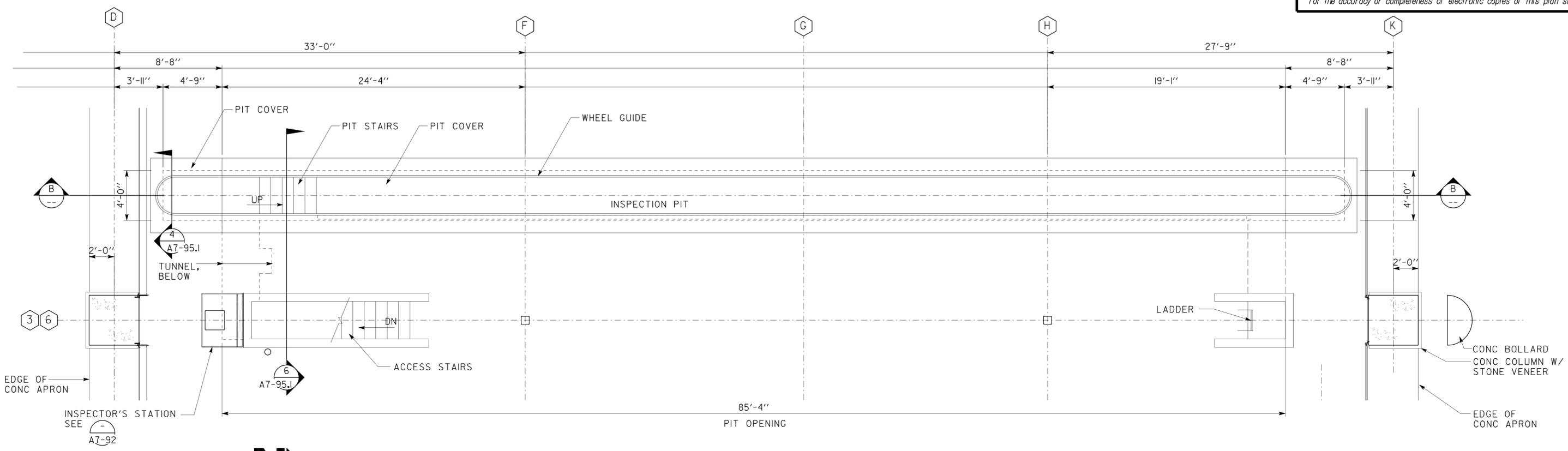
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
08-368501
 DISTRICT - EA
 Reviewed by: *[Signature]*
 Y.A. WANG
 Date: 03-30-09

CALIFORNIA STATE FIRE MARSHAL
 APPROVED
 Approval of this plan does not authorize or
 approve any omission or deviation from
 applicable regulations. Final approval is
 subject to field inspection. One set of
 approved plans shall be available on the
 project site at all times.
 Reviewed by: *[Signature]*
 G. ANDERSEN
 Approval date: 01-20-2011

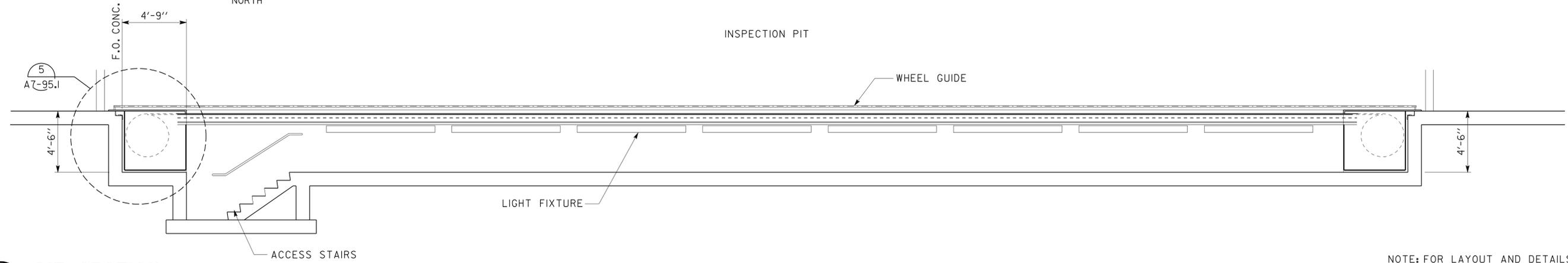
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	413	710

2-25-13
 PLANS APPROVAL DATE

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A PIT PLAN
 SCALE 1/4" = 1'-0"
 PLAN NORTH



B PIT SECTION
 SCALE 1/4" = 1'-0"

NOTE: FOR LAYOUT AND DETAILS SEE STRUCTURAL SHEETS ST7-105 THRU ST7-110

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE		SHEET
CVEF	INSPECTION PIT	A7-95

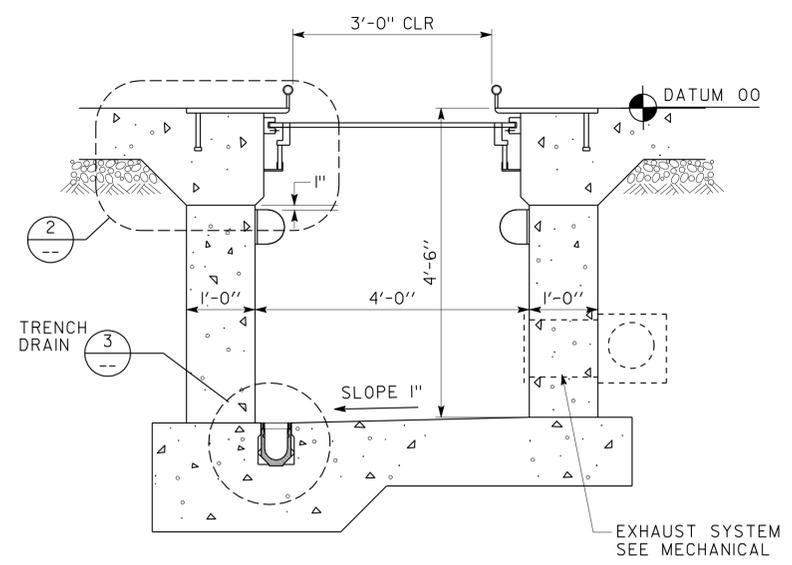
26-FEB-2013 13:22

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	414	710

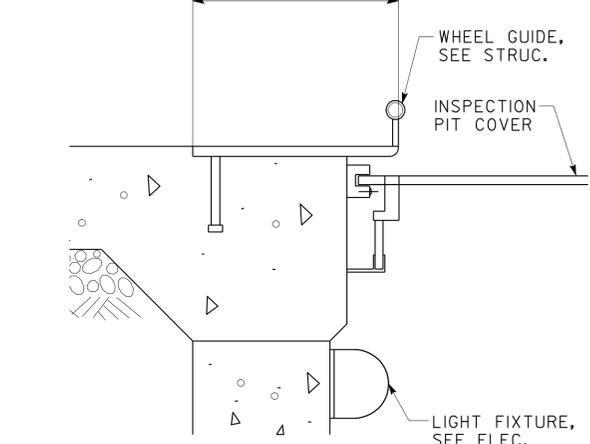
DOUG LOWE
 LICENSED ARCHITECT
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

12-12-12
 DATE
 2-25-13
 PLANS APPROVAL DATE
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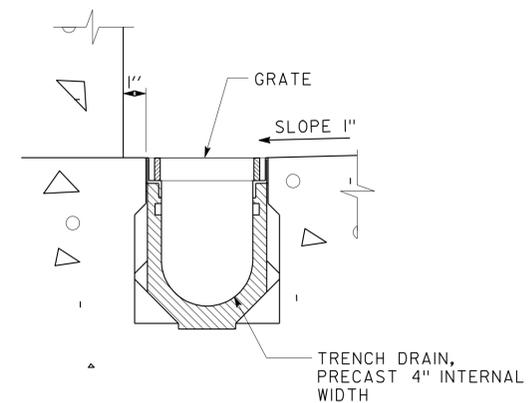
CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *G. Andersen*
G. ANDERSEN
 Approval date: 01-20-2011
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
08-368501
 DISTRICT - EA
 Reviewed by: *Y.A. Wang*
Y.A. WANG
 Date: 03-30-09



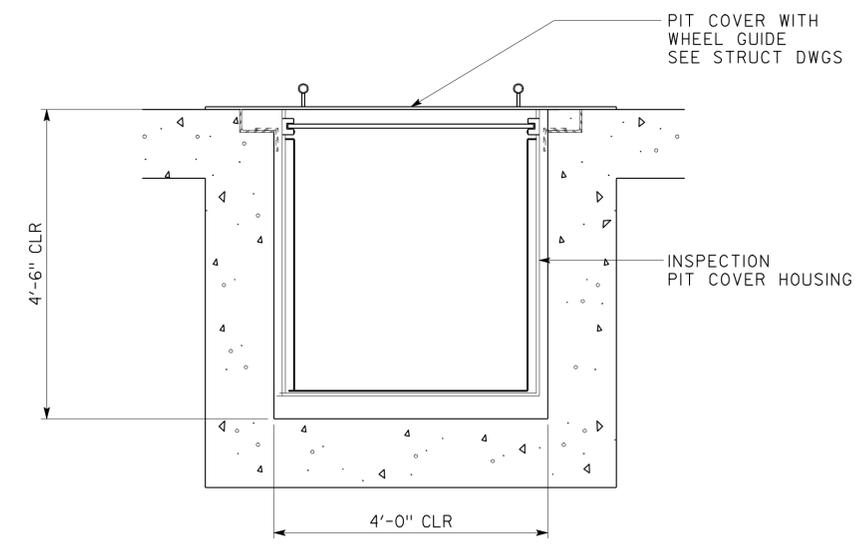
1 PIT SECTION
SCALE 3/4" = 1'-0"



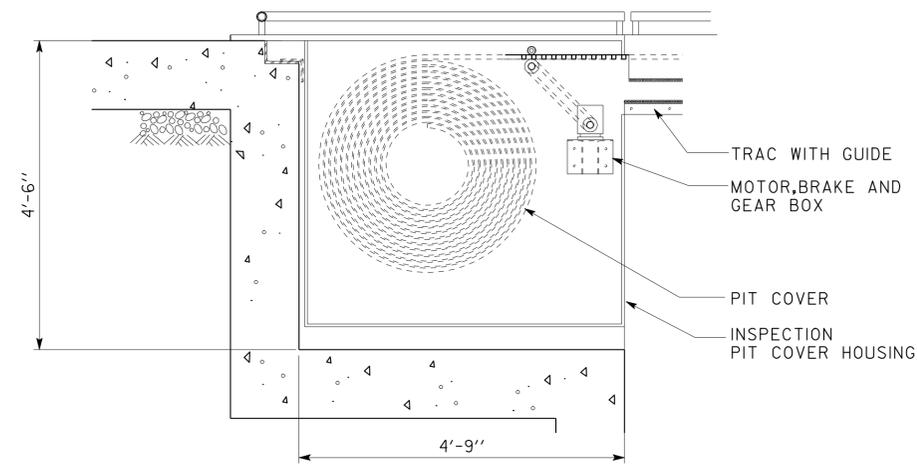
2 PIT WHEEL GUIDE
SCALE 1/2" = 1'-0"



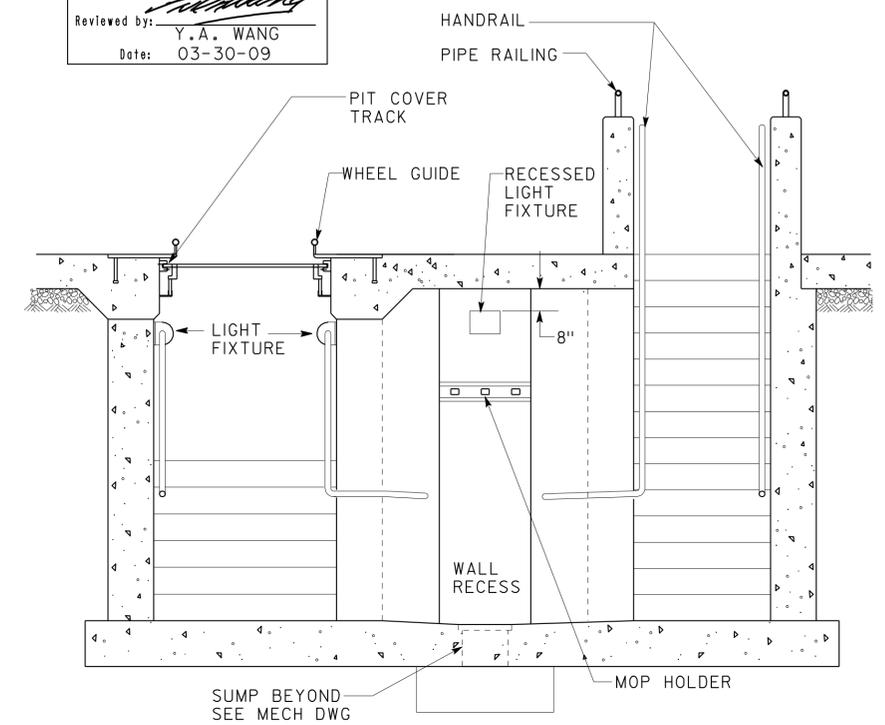
3 PIT DRAIN
SCALE 3" = 1'-0"



4 PIT SECTION
SCALE 3/4" = 1'-0"



5 PIT SECTION
SCALE 3/4" = 1'-0"



6 STAIR SECTION
SCALE 1/2" = 1'-0"

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JPOE		SHEET
CVEF	INSPECTION PIT DETAILS	A7-95.1

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
08 - 368501
DISTRICT - EA
Reviewed by: *[Signature]*
Y.A. WANG
Date: 03-30-09

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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Reviewed by: *[Signature]*
G. ANDERSEN
Approval date: 01-20-2011

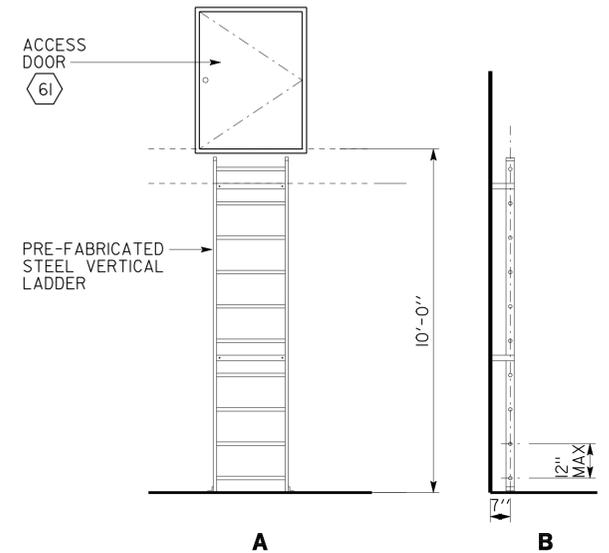
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	415	710

2-25-13
PLANS APPROVAL DATE

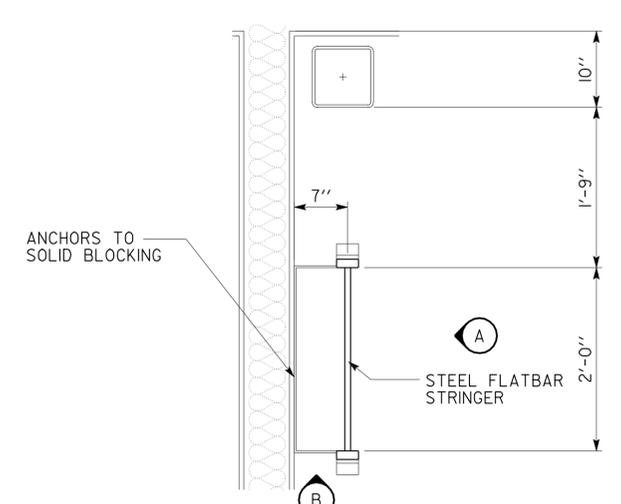
DOUG LOWE 12-12-12
LICENSED ARCHITECT DATE

LICENSED ARCHITECT
No. C-15341
Exp. 06-30-13
STATE OF CALIFORNIA

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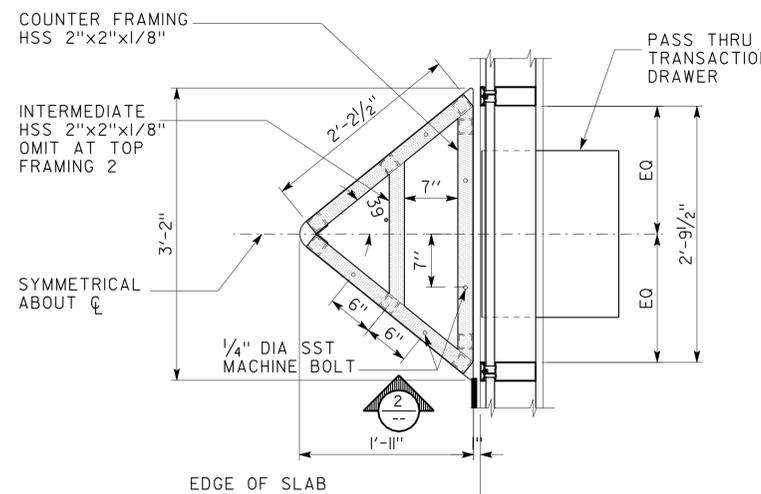
1 ACCESS LADDER ELEVATION
SCALE: 3/8" = 1'-0"



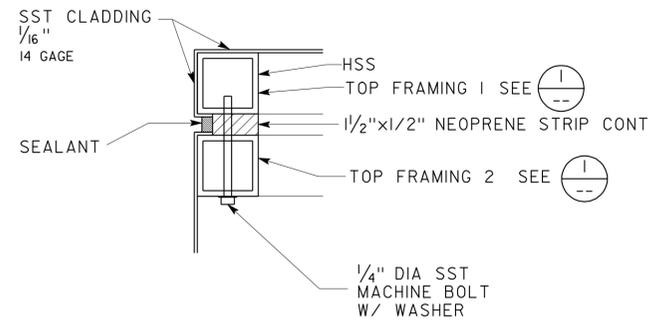
2 ACCESS LADDER PLAN
SCALE: 1" = 1'-0"

A7_96_ladder.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:22	DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET OF A7-96
	DETAILS BY	CHECKED C. FAUST			POST MILE 177.3/181.1		
QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3584 08000006281			EA 368501		

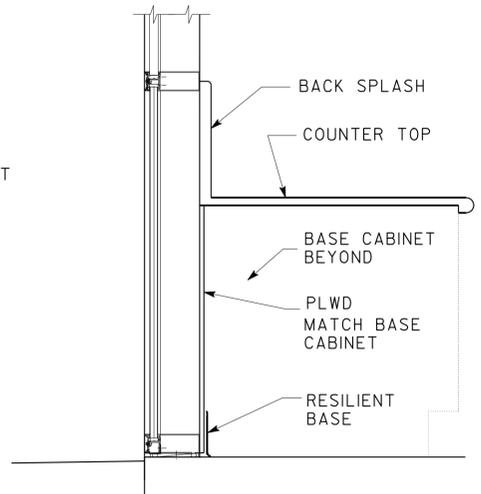
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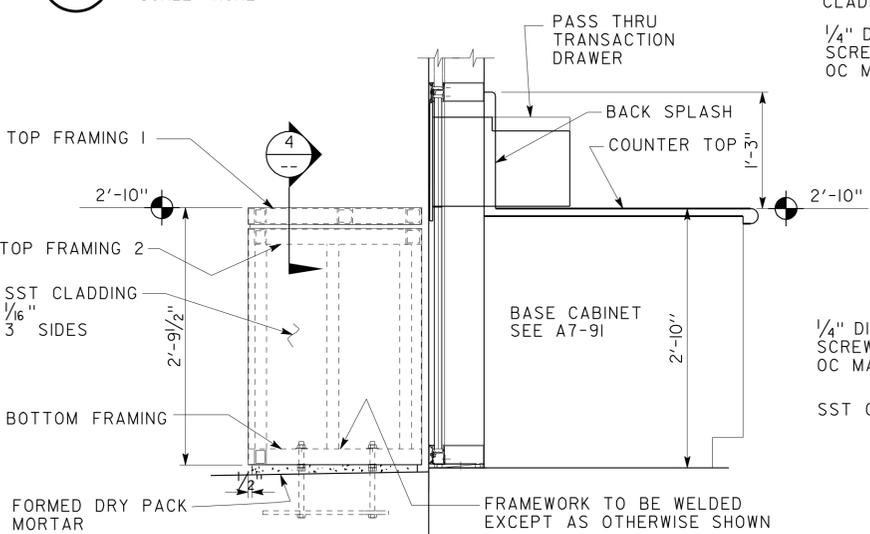
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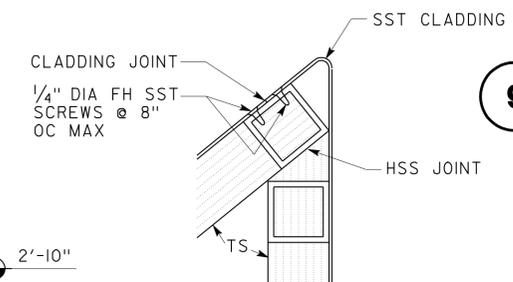
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SCALE NONE



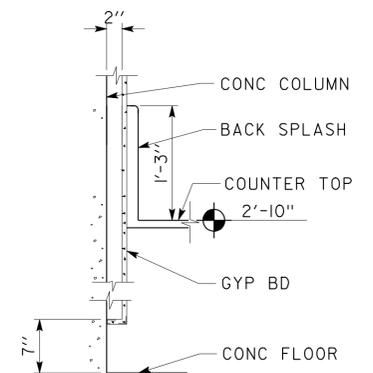
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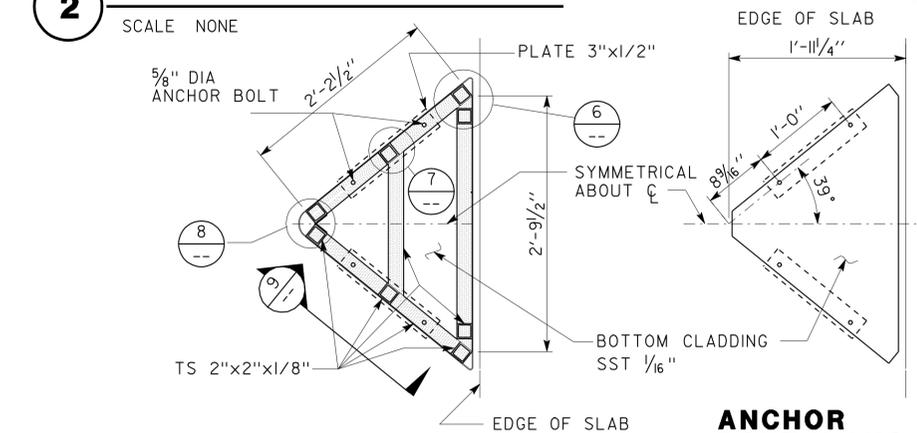
2 ELEVATION
SCALE NONE



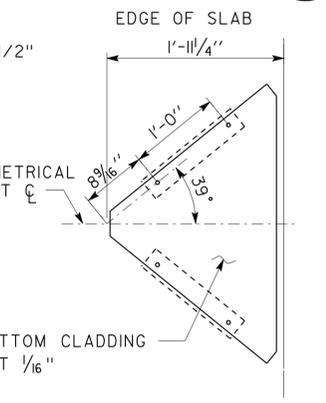
6 CORNER FRAMING
SCALE NONE



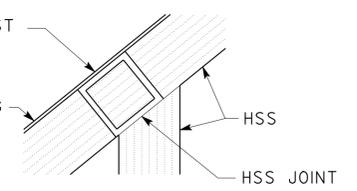
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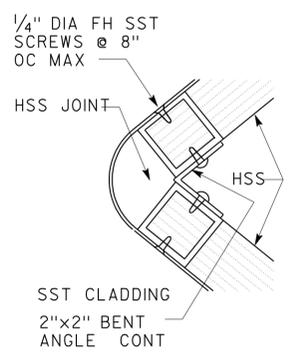
3 BOTTOM FRAMING
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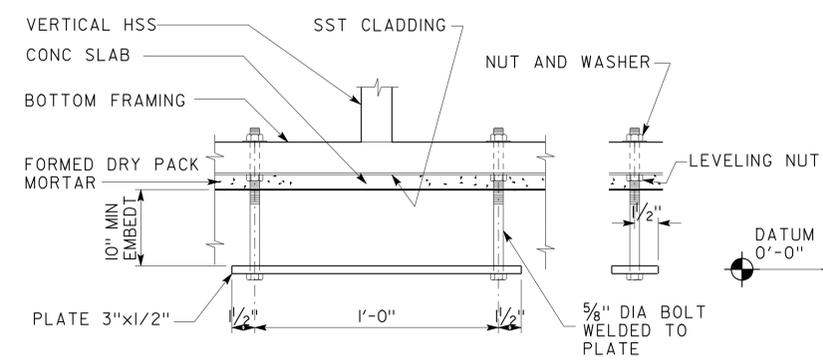
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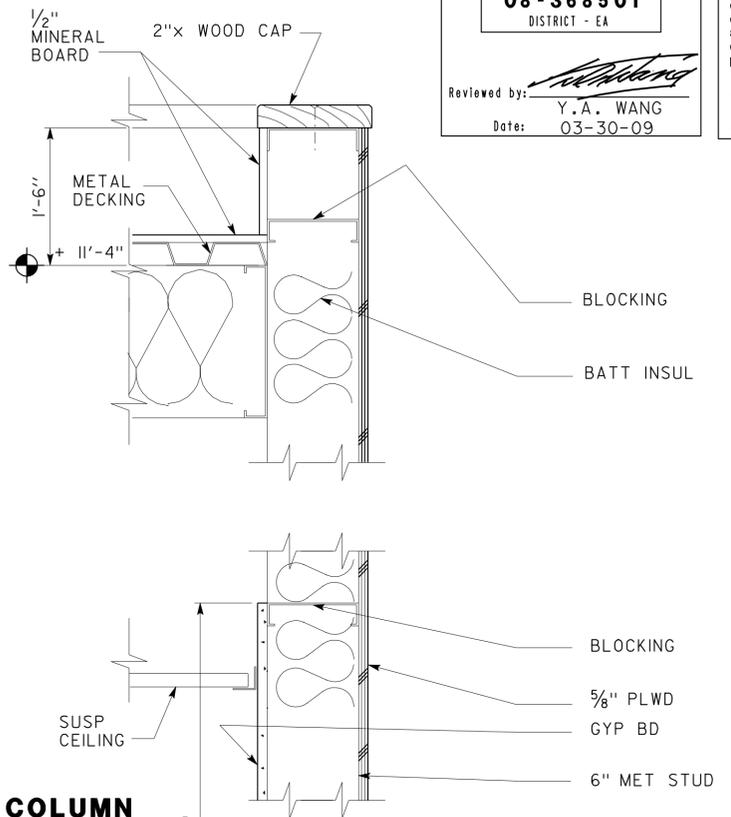
7 INTERMEDIATE FRAMING
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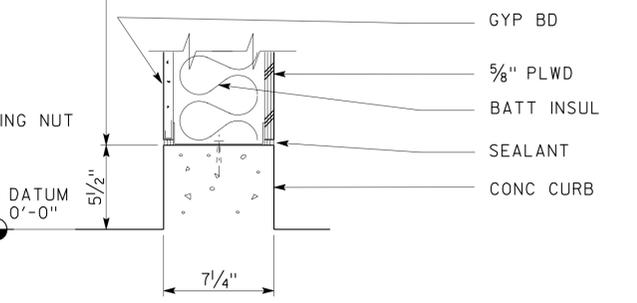
8 NOSE FRAMING
SCALE NONE



11 ANCHOR DETAIL
SCALE NONE



12 PARAPET
SCALE NONE



13 CONCRETE CURB
SCALE NONE

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	418	710

DOUG LOWE
 LICENSED ARCHITECT
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

12-12-12
 DATE
 2-25-13
 PLANS APPROVAL DATE

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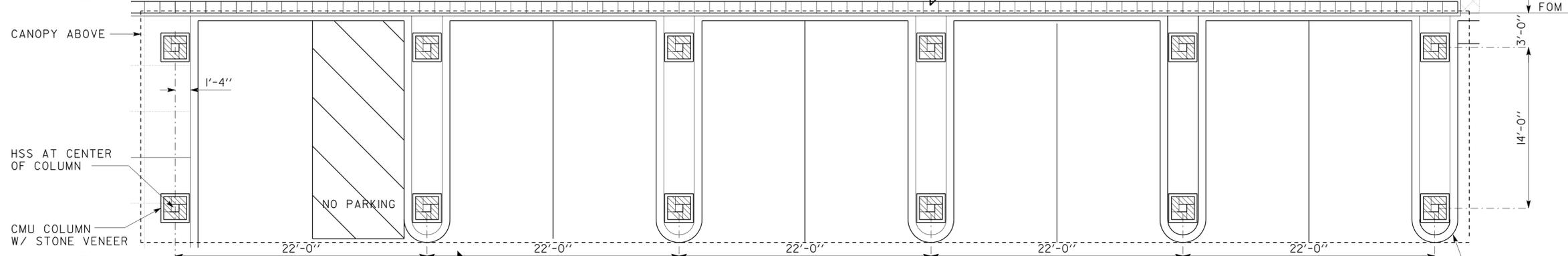
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 DOT / DES / OTA
08-368501
 DISTRICT - EA

Reviewed by: *Y.A. Wang*
 Date: 03-30-09

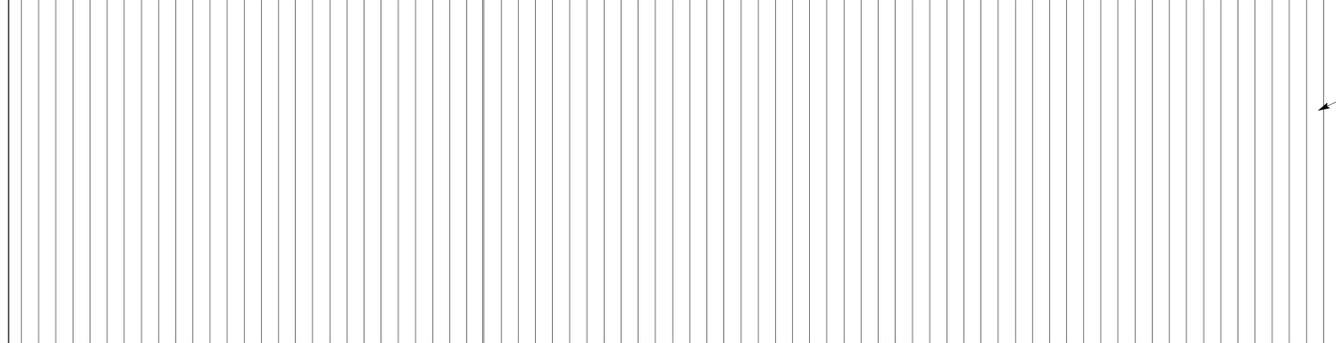
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *G. Andersen*
 Approval date: 01-20-2011

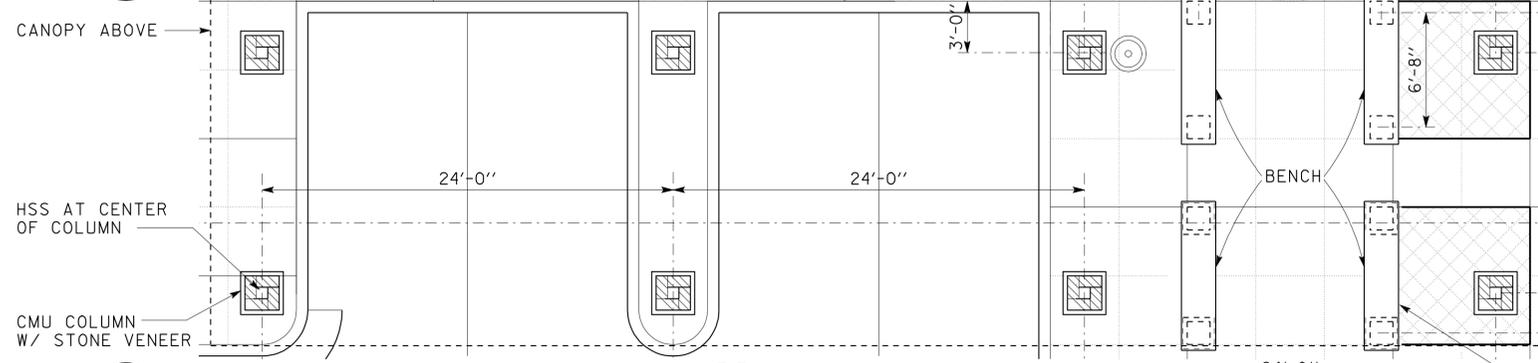
A CANOPY 1 PLAN
SCALE 3/16"=1'-0"



B CANOPY 1 GROUND PLAN
SCALE 3/16"=1'-0"



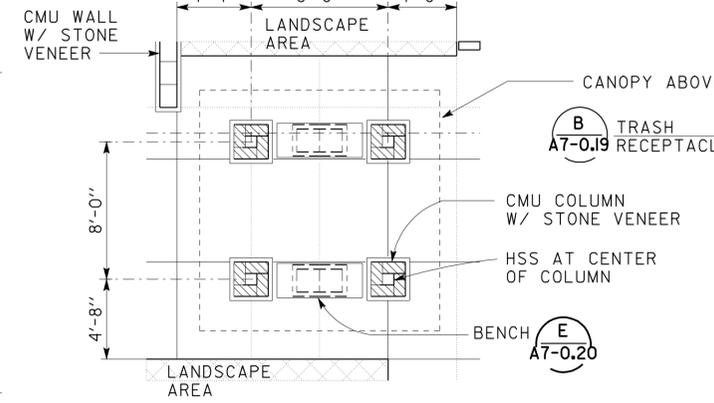
C CANOPY 2 PLAN
SCALE 3/16"=1'-0"



D CANOPY 2 GROUND PLAN
SCALE 3/16"=1'-0"



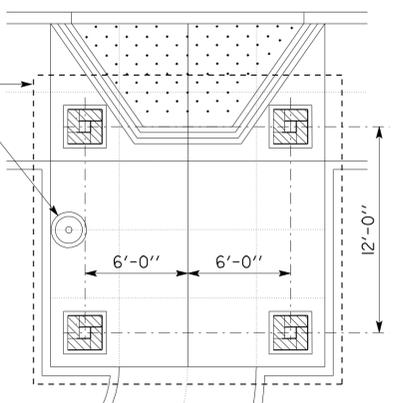
E CANOPY 3 PLAN
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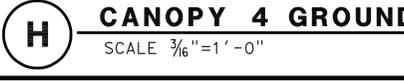
F CANOPY 3 GROUND PLAN
SCALE 3/16"=1'-0"



G CANOPY 4 PLAN
SCALE 3/16"=1'-0"



H CANOPY 4 GROUND PLAN
SCALE 3/16"=1'-0"



DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 CVEF
CANOPY PLANS

SHEET
A8-1

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	419	710

DOUG LOWE
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 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

12-12-12
 DATE

2-25-13
 PLANS APPROVAL DATE

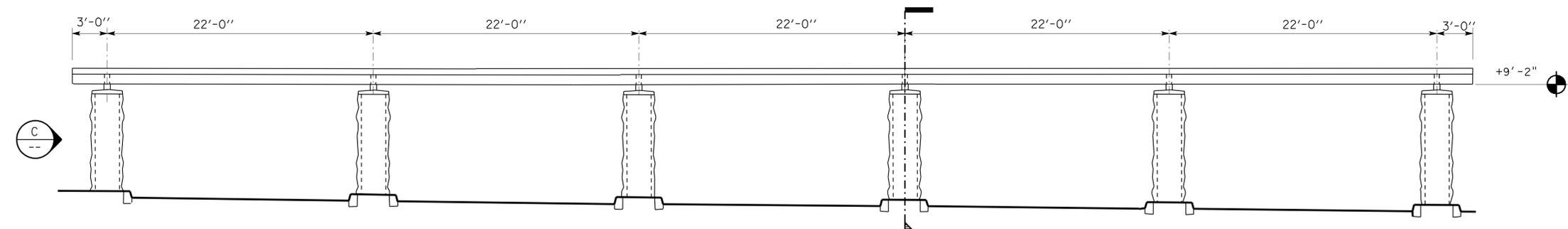
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08-368501
 DISTRICT - EA

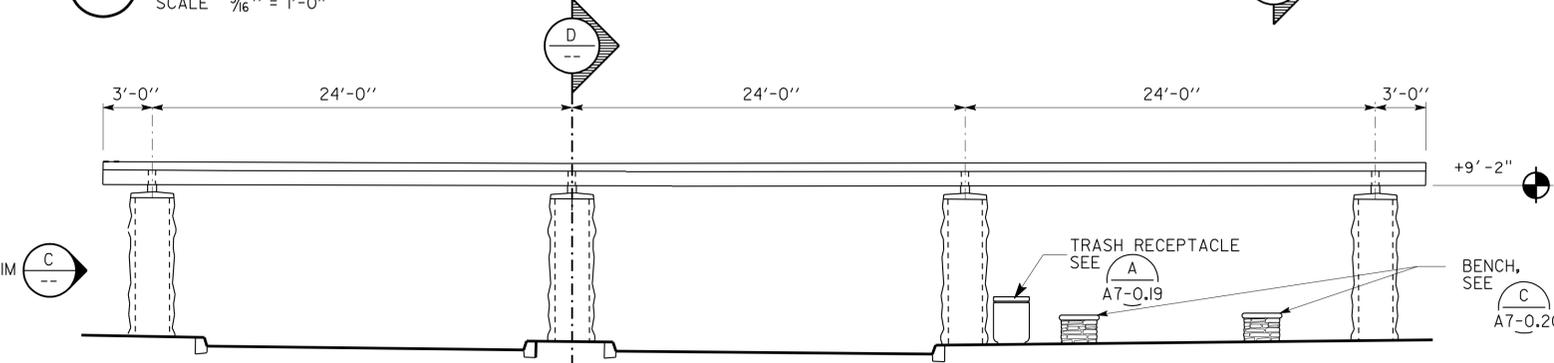
Reviewed by: *Y.A. WANG*
 Date: 03-30-09

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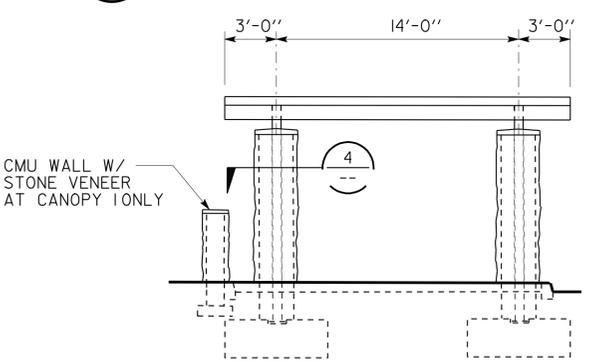
Reviewed by: *G. ANDERSEN*
 Approval date: 01-20-2011



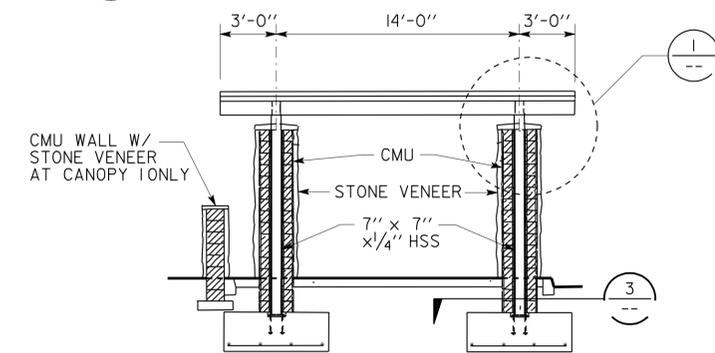
A CANOPY 1 ELEVATION
 SCALE 3/16" = 1'-0"



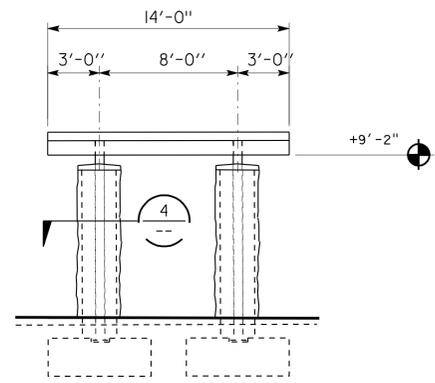
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 SCALE 3/16" = 1'-0"



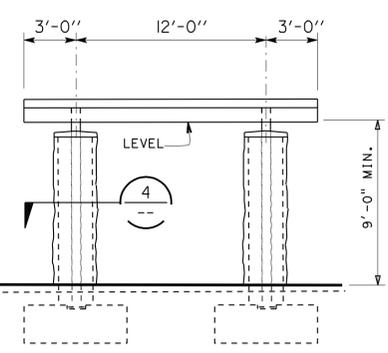
C CANOPY 1 END ELEVATION
 SCALE 3/16" = 1'-0"



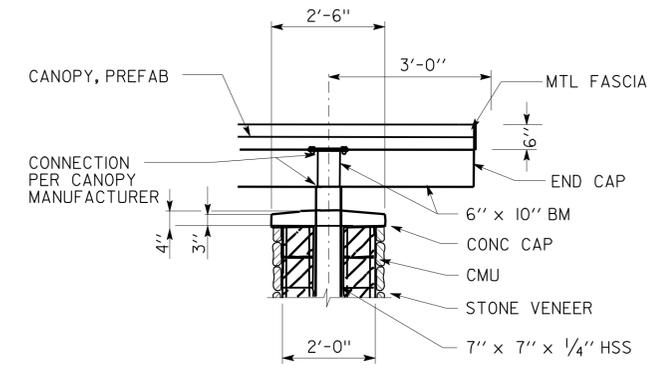
D CANOPY 1 SECTION
 SCALE 3/16" = 1'-0"



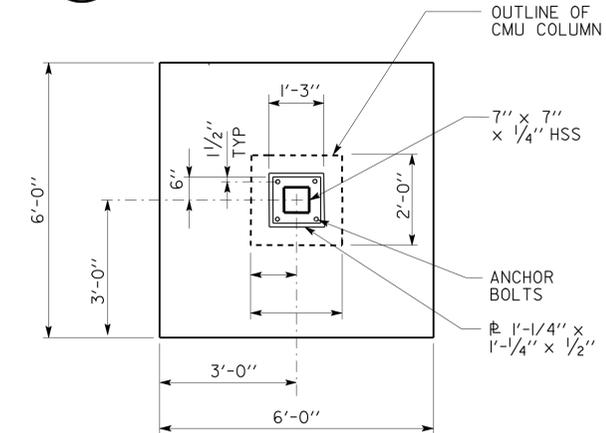
E CANOPY 3 ELEVATION
 SCALE 3/16" = 1'-0"



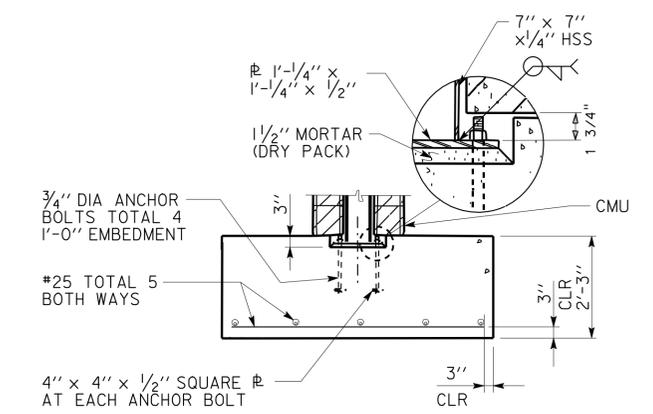
F CANOPY 4 ELEVATION
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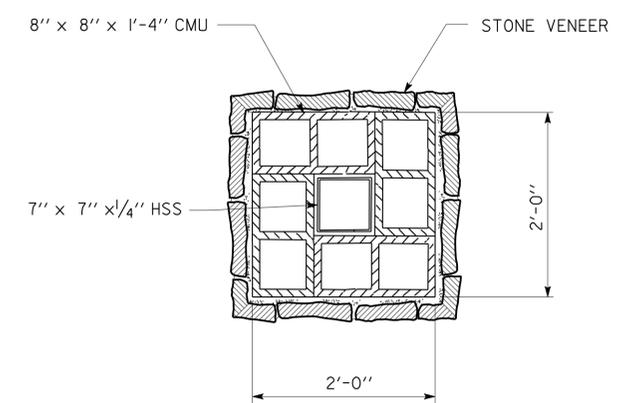
1 TOP OF COLUMN DETAIL
 SCALE 1/2" = 1'-0"



2 FOOTING PLAN
 SCALE 1/2" = 1'-0"



3 FOOTING DETAIL
 SCALE 1/2" = 1'-0"



4 COLUMN SECTION
 SCALE 1" = 1'-0"

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE		SHEET
CVEF	CANOPY ELEVATIONS	A8-2

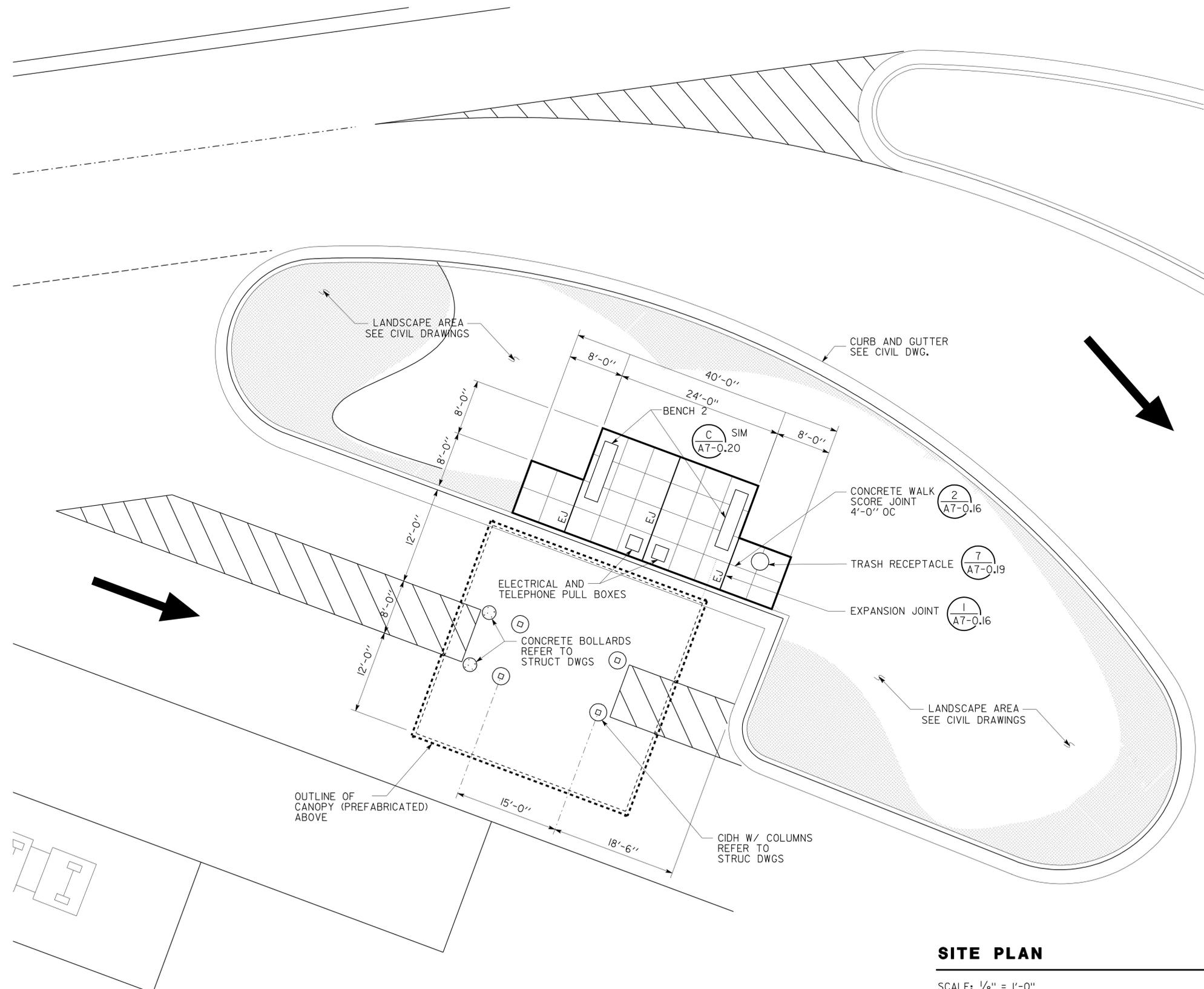
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	420	710

DOUG LOWE
 LICENSED ARCHITECT
 12-12-12
 DATE

LICENSED ARCHITECT
 DOUG LOWE
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08-368501 DISTRICT - EA Reviewed by: <i>Y.A. Wang</i> Y.A. WANG Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>G. Andersen</i> G. ANDERSEN Approval date: 01-20-2011
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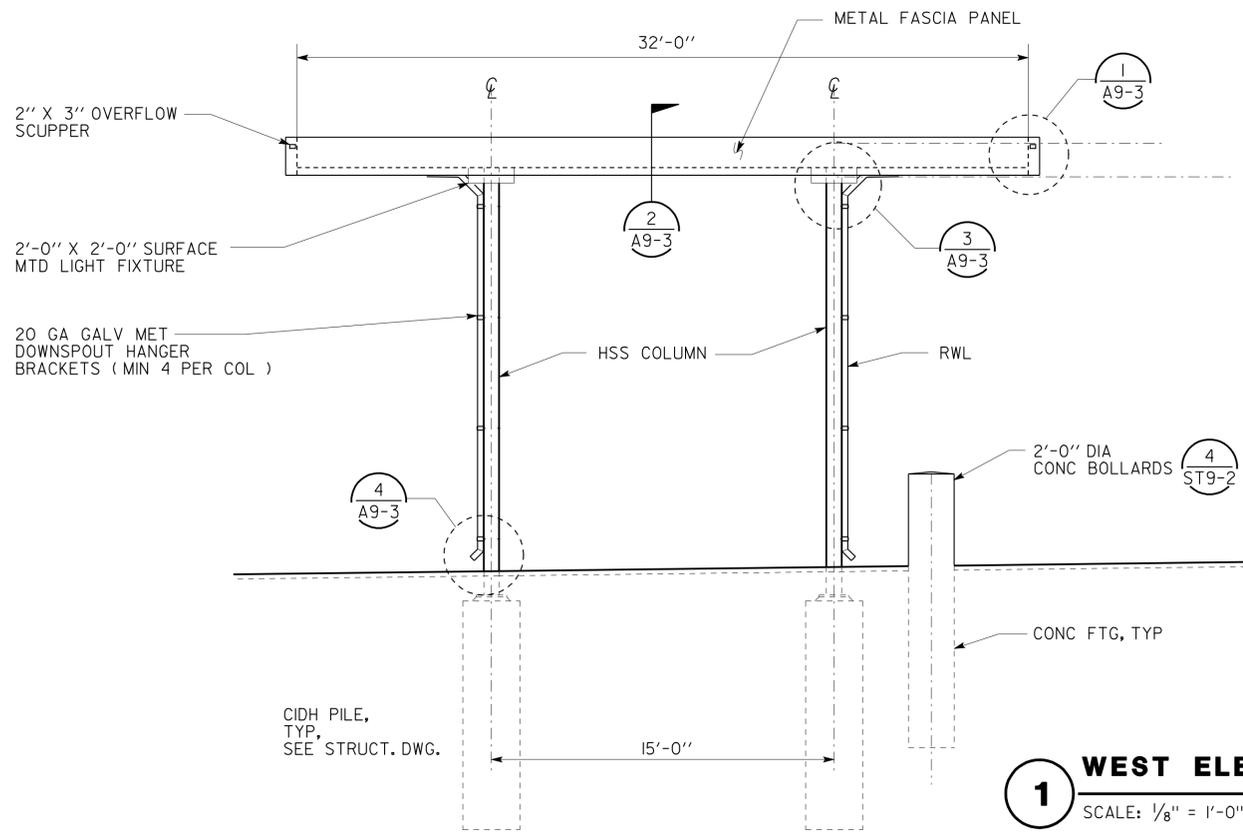
SITE PLAN

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

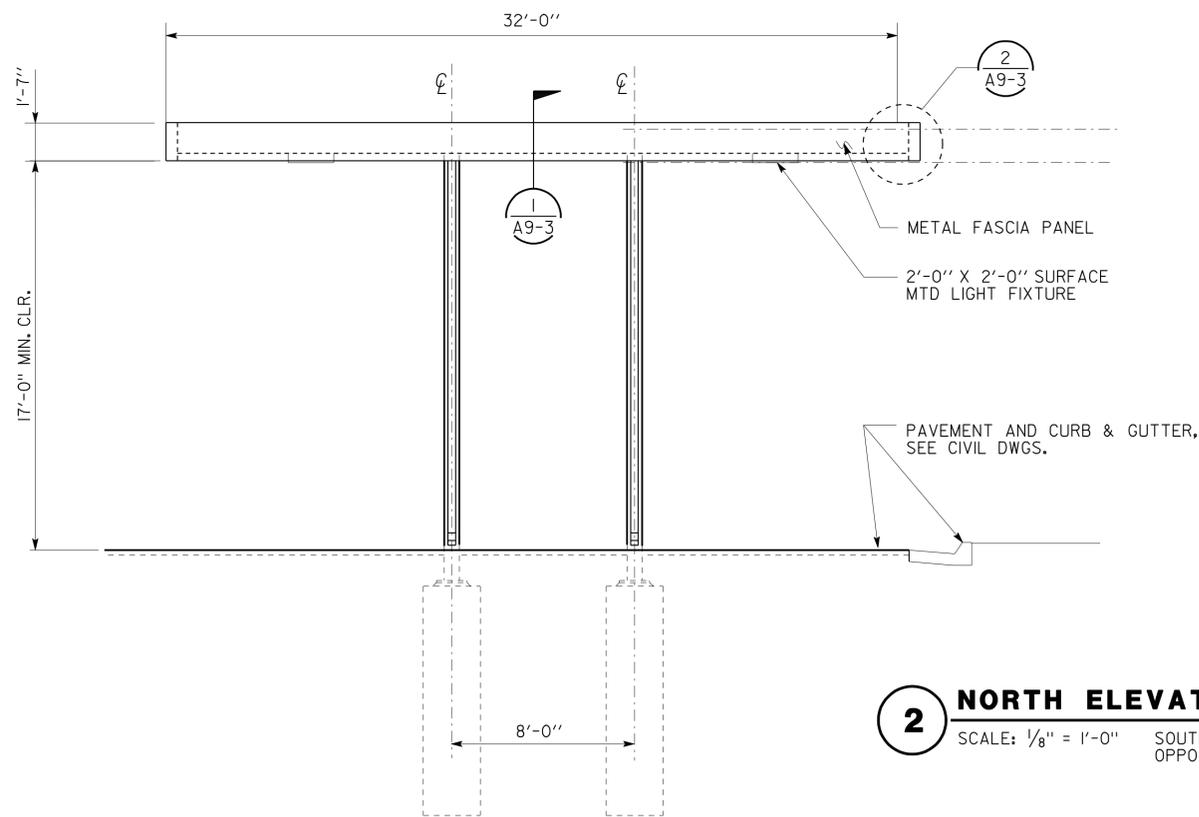


a9_01arbsite.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:23	DESIGN BY D. LOWE CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE AIR RESOURCE BOARD SITE PLAN	SHEET A9-1
	DETAILS BY CHECKED C. FAUST		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3584 08000006281		DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-24-10 11-30-12

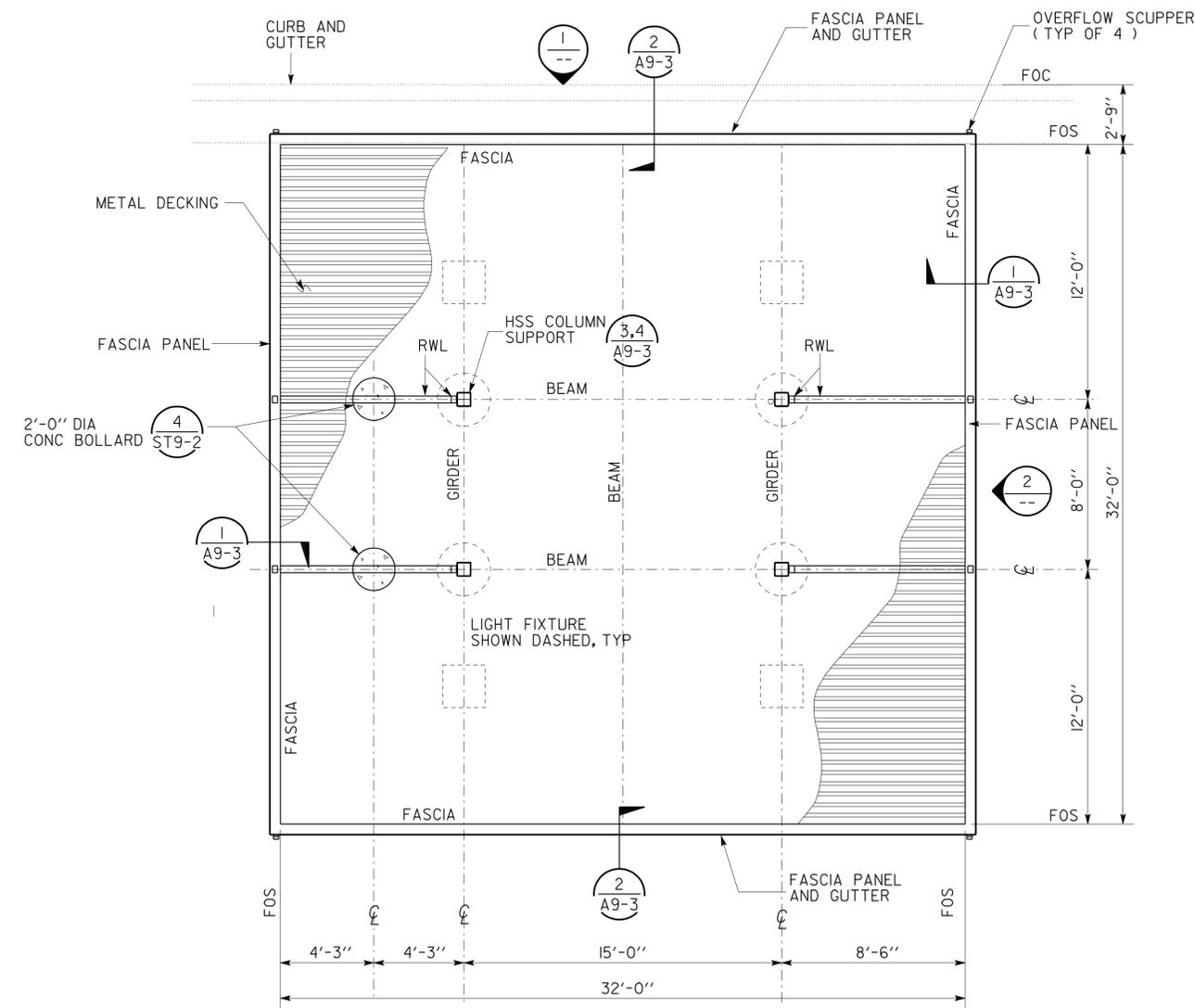
26-FEB-2013 13:23



1 WEST ELEVATION
 SCALE: 1/8" = 1'-0" EAST ELEVATION SIMILAR
 OPPOSITE HAND - SYMETRICAL



2 NORTH ELEVATION
 SCALE: 1/8" = 1'-0" SOUTH ELEVATION SIMILAR
 OPPOSITE HAND - SYMETRICAL



FLOOR PLAN AND ROOF PLAN
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL STEEL SHALL BE MILLED, PREFRABRICATED, SHOP- PRIMED, AND COMPLETE FOR ERECTION ON SITE.
2. ALL EXPOSED STEEL AND SHEET METAL INCLUDING FASCIAS, RAIN GUTTERS, RWL, DOWNSPOUTS, METAL ROOF DECK, FLASHING, CONDUITS, AND JUNCTION BOXES, SHALL BE PAINTED IN COMPLIANCE WITH THE SPECIFICATIONS. COLOR: SEE FINISH SCHEDULE 5 SHEET A7-0.6
3. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS AND CONDITIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIAL.
4. MANUFACTURER DESIGNATIONS USED TO INDICATE PATTERN, COLOR, TYPE, OR CONFIGURATION ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO SHOW A PREFERENCE FOR A PARTICULAR BRAND OR PRODUCT.
5. CONCRETE BOLLARD SHALL BE PAINTED SAFETY YELLOW.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	421	710

DOUG LOWE
 LICENSED ARCHITECT
 DATE 12-12-12
 PLANS APPROVAL DATE 2-25-13

STATE OF CALIFORNIA
 LICENSED ARCHITECT
 No. C-15341
 Exp. 06-30-13

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
08-368501
 DISTRICT - EA

Reviewed by: *Y.A. WANG*
 Y. A. WANG
 Date: 03-30-09

CALIFORNIA STATE FIRE MARSHAL
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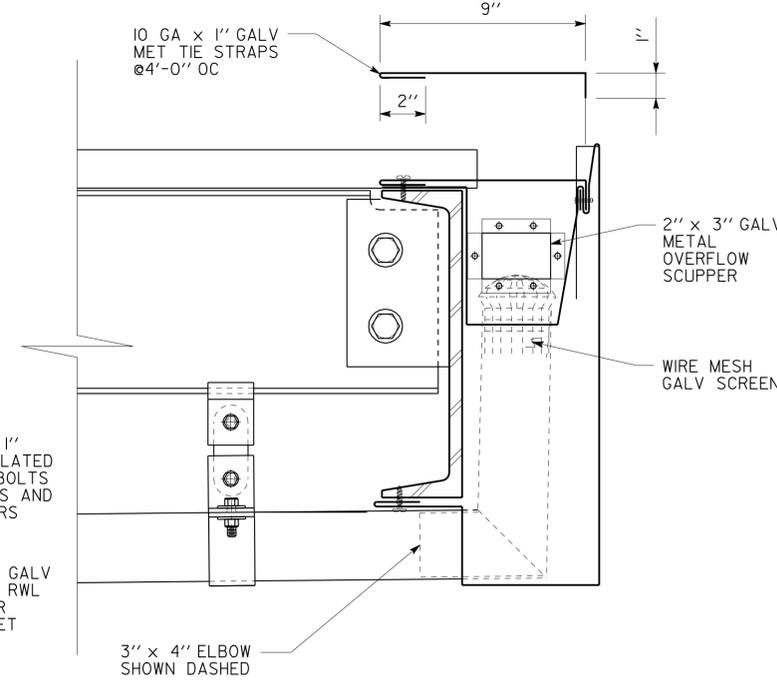
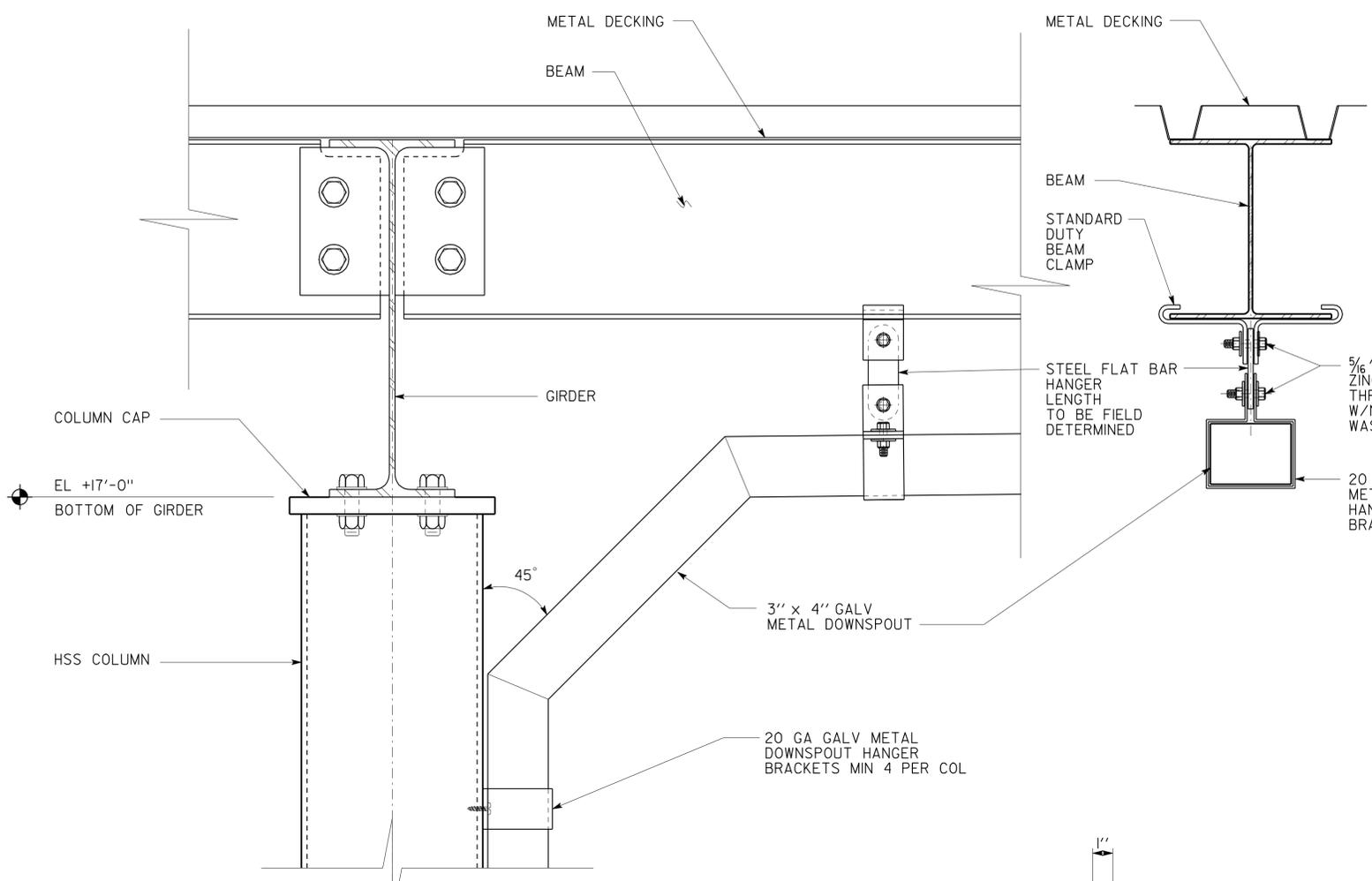
Reviewed by: *G. ANDERSEN*
 G. ANDERSEN
 Approval date: 01-20-2011

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	422	710

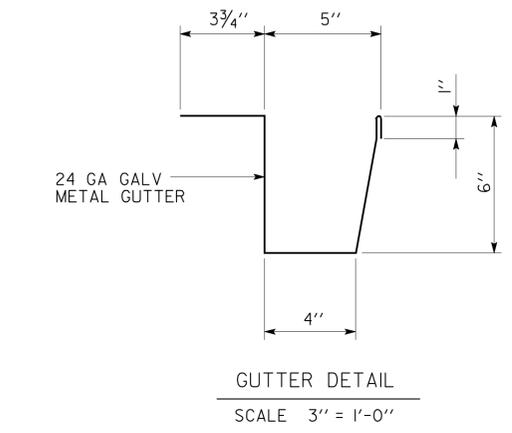
DOUG LOWE
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 12-12-12 DATE
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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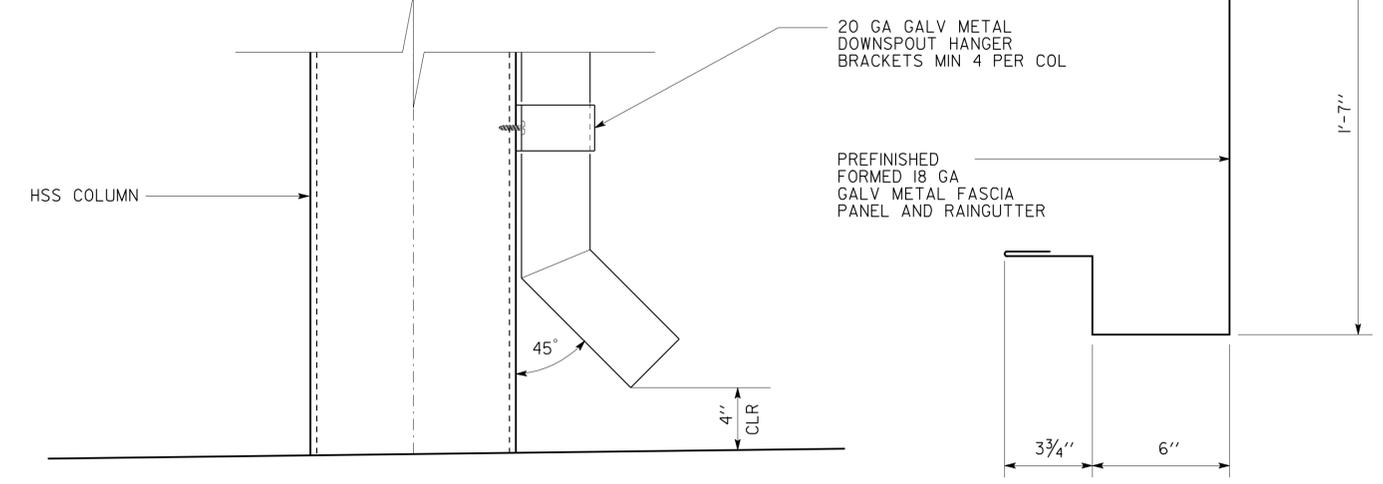
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08-368501 DISTRICT - EA Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> G. ANDERSEN Approval date: 01-20-2011
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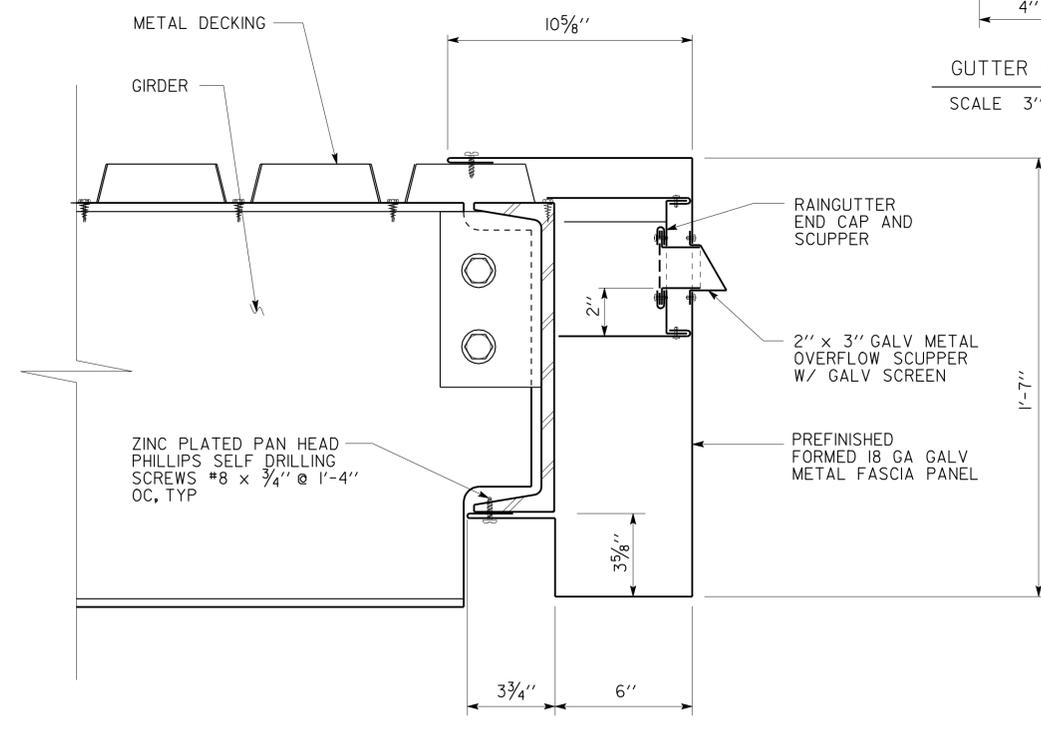
1 RAIN GUTTER DETAIL
SCALE 3" = 1'-0"



3 RWL @ COLUMN DETAIL
SCALE 3" = 1'-0"



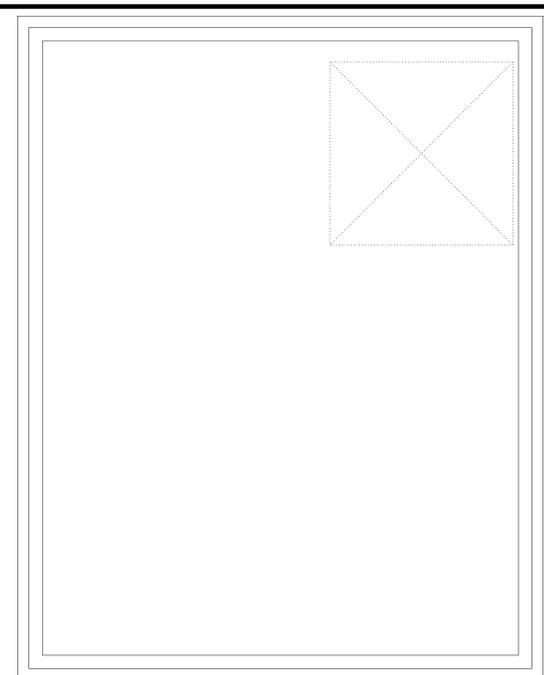
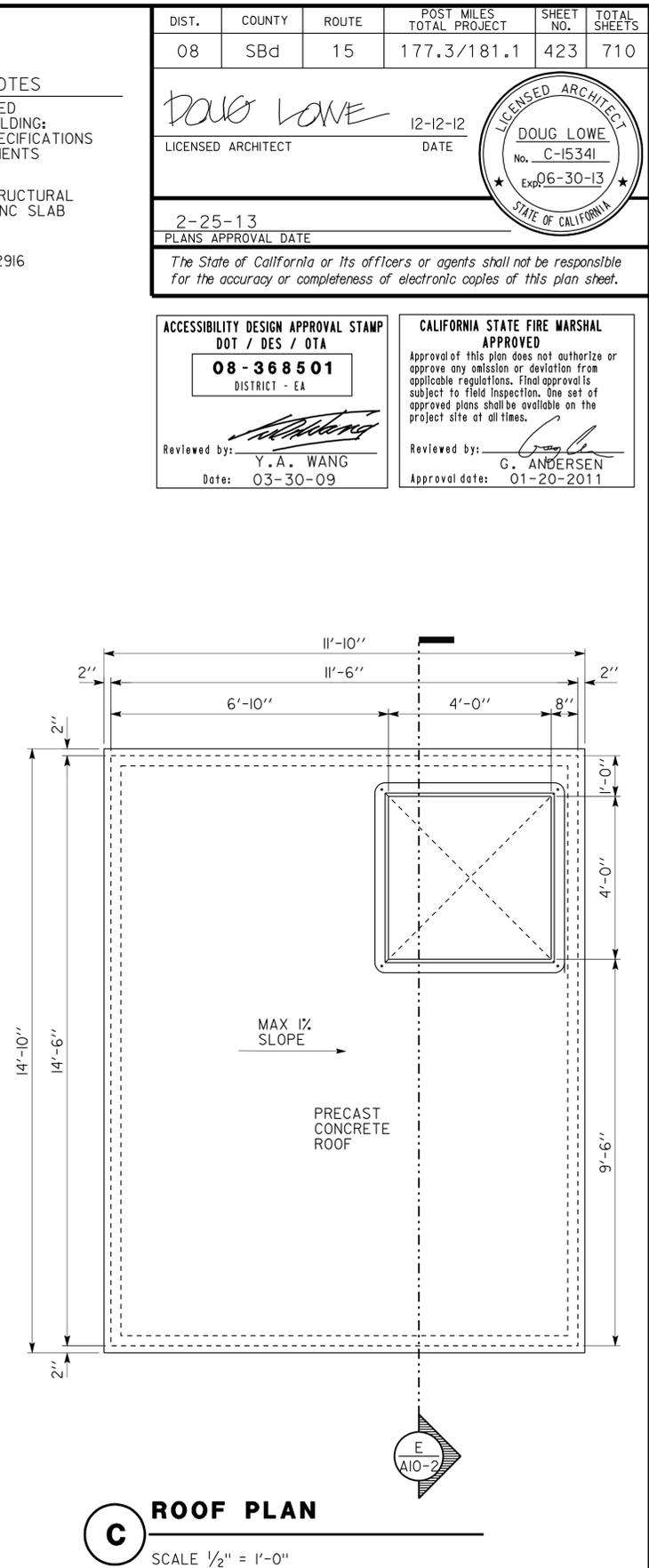
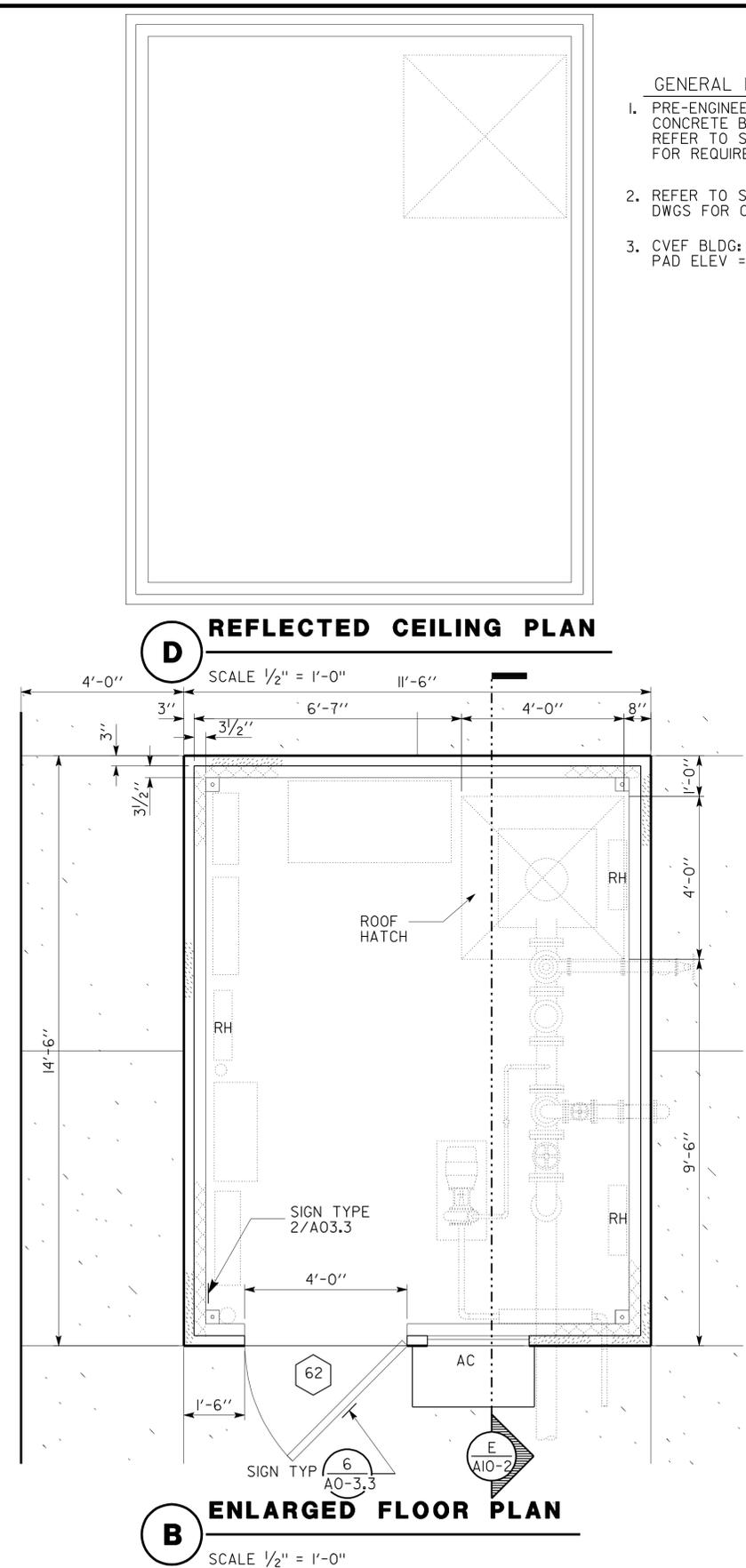
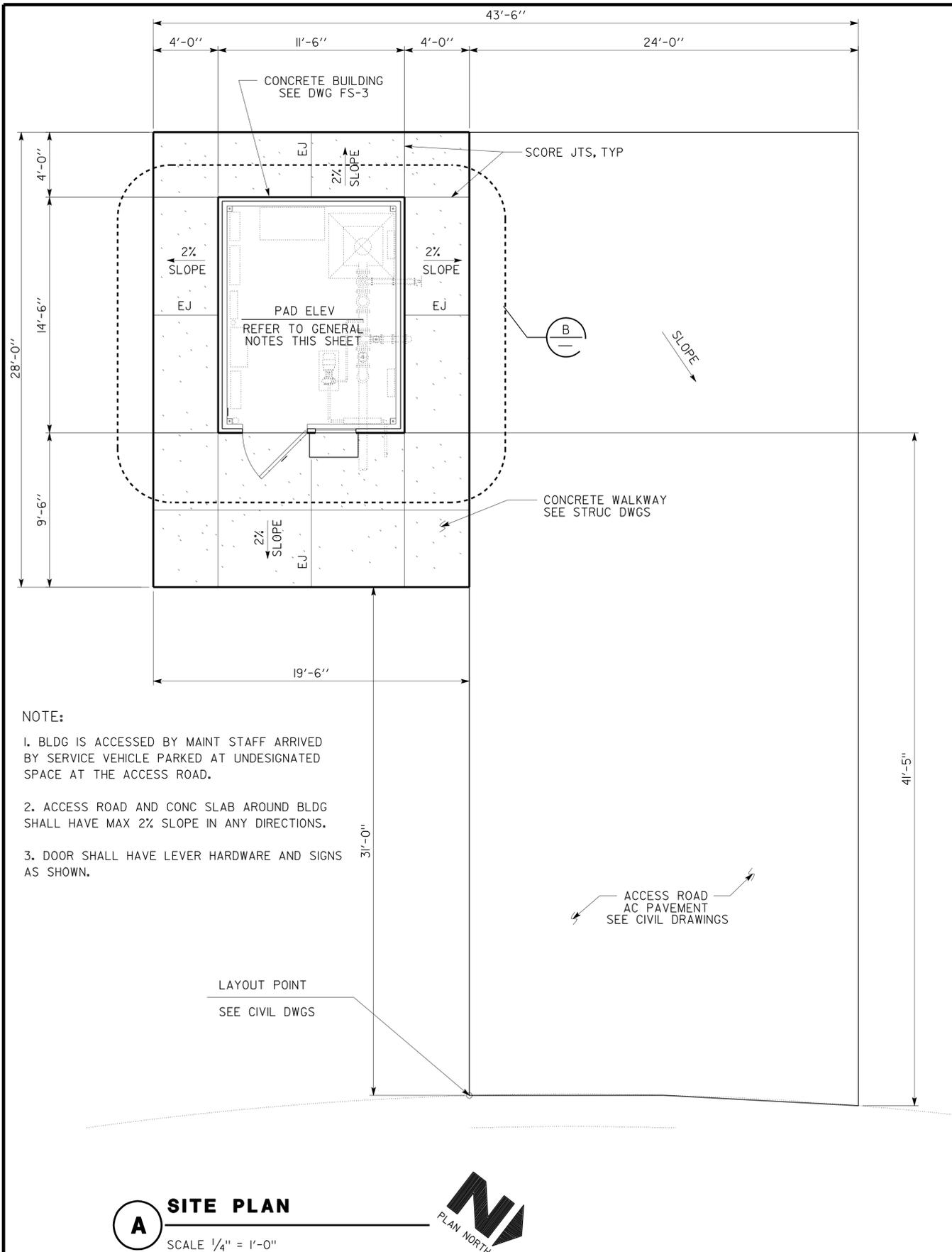
4 RWL @ COLUMN DETAIL
SCALE 3" = 1'-0"



2 FASCIA DETAIL
SCALE 3" = 1'-0"

DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE AIR RESOURCE BOARD CANOPY DETAILS	SHEET A9-3	
DETAILS BY	CHECKED C. FAUST		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 177.3/181.1		CVEF	OF
QUANTITIES BY	CHECKED		PROJECT NUMBER & PHASE 08000006281	EA 368501		REVISION DATES (PRELIMINARY STAGE ONLY)	REVISION DATES (PRELIMINARY STAGE ONLY)

a9_03arbdetails.dgn
 TAEMWV Imperial Rev. 7/10
 DS OSD Imperial Rev. 11/98
 26-FEB-2013 13:23
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 UNIT PROJECT NUMBER & PHASE 3584 08000006281
 DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-24-10 11-30-12
 a9_03arbdetails.dgn



- GENERAL NOTES**
- PRE-ENGINEERED CONCRETE BUILDING; REFER TO SPECIFICATIONS FOR REQUIREMENTS
 - REFER TO STRUCTURAL DWGS FOR CONC SLAB
 - CVEF BLDG: PAD ELEV = 2916

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	423	710

DOUG LOWE
LICENSED ARCHITECT
DATE: 12-12-12
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08-368501
DISTRICT - EA

Reviewed by: *Y. A. WANG*
Date: 03-30-09

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Reviewed by: *G. ANDERSEN*
Approval date: 01-20-2011

DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE FIRE PUMP AND WELL HOUSE SHEET A10-1
DETAILS BY	CHECKED C. FAUST		
QUANTITIES BY	CHECKED		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES: 11-21-10 11-30-12

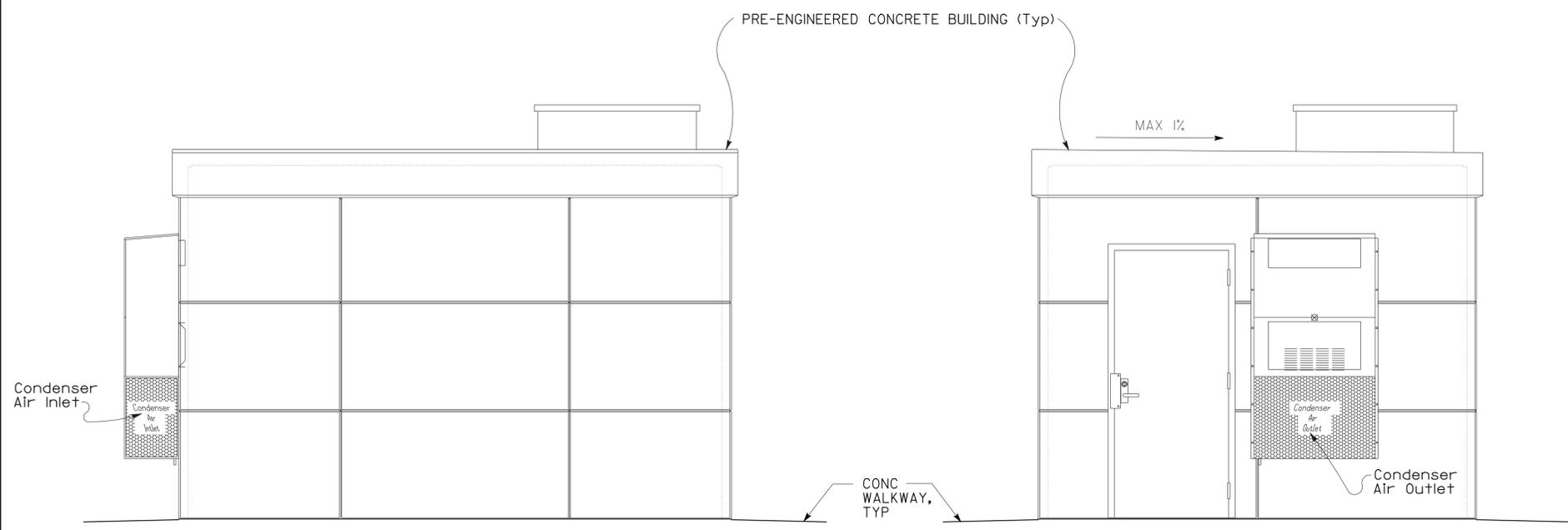
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	424	710

DOUG LOWE
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 DATE
 2-25-13
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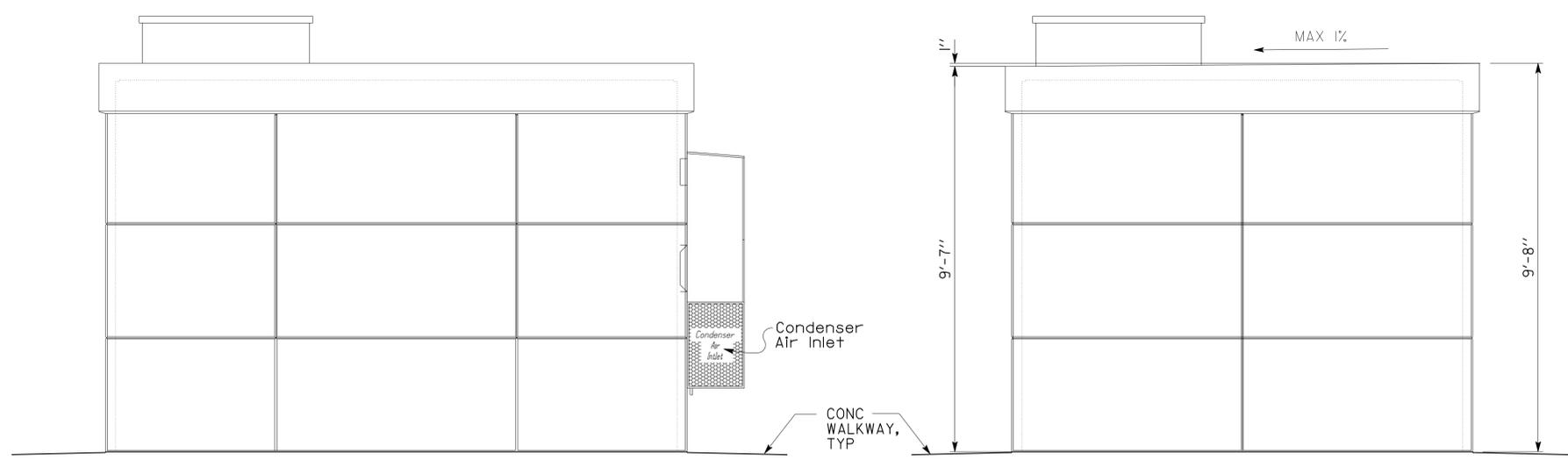


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA 08-368501 DISTRICT - EA Reviewed by: <i>[Signature]</i> Y.A. WANG Date: 03-30-09	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> G. ANDERSEN Approval date: 01-20-2011
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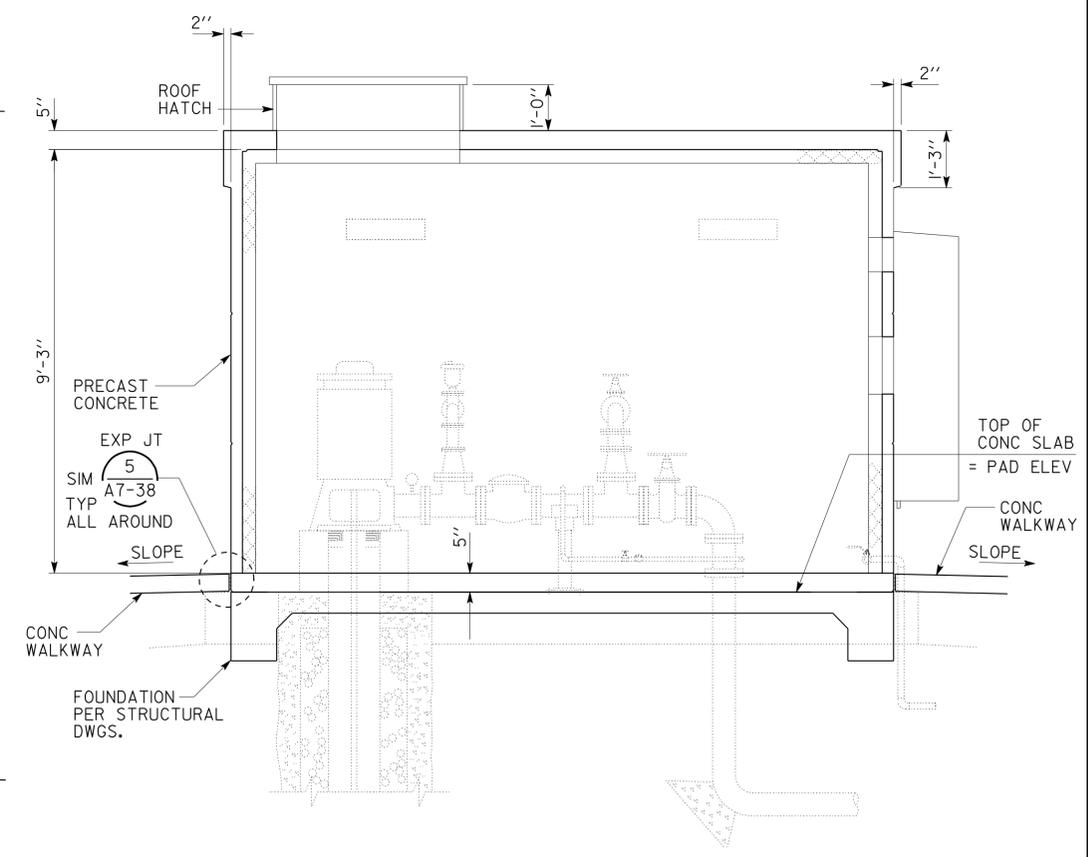
A NORTH ELEVATION
SCALE 1/2" = 1'-0"

B EAST ELEVATION
SCALE 1/2" = 1'-0"



C SOUTH ELEVATION
SCALE 1/2" = 1'-0"

D WEST ELEVATION
SCALE 1/2" = 1'-0"



E SECTION
SCALE 1/2" = 1'-0"

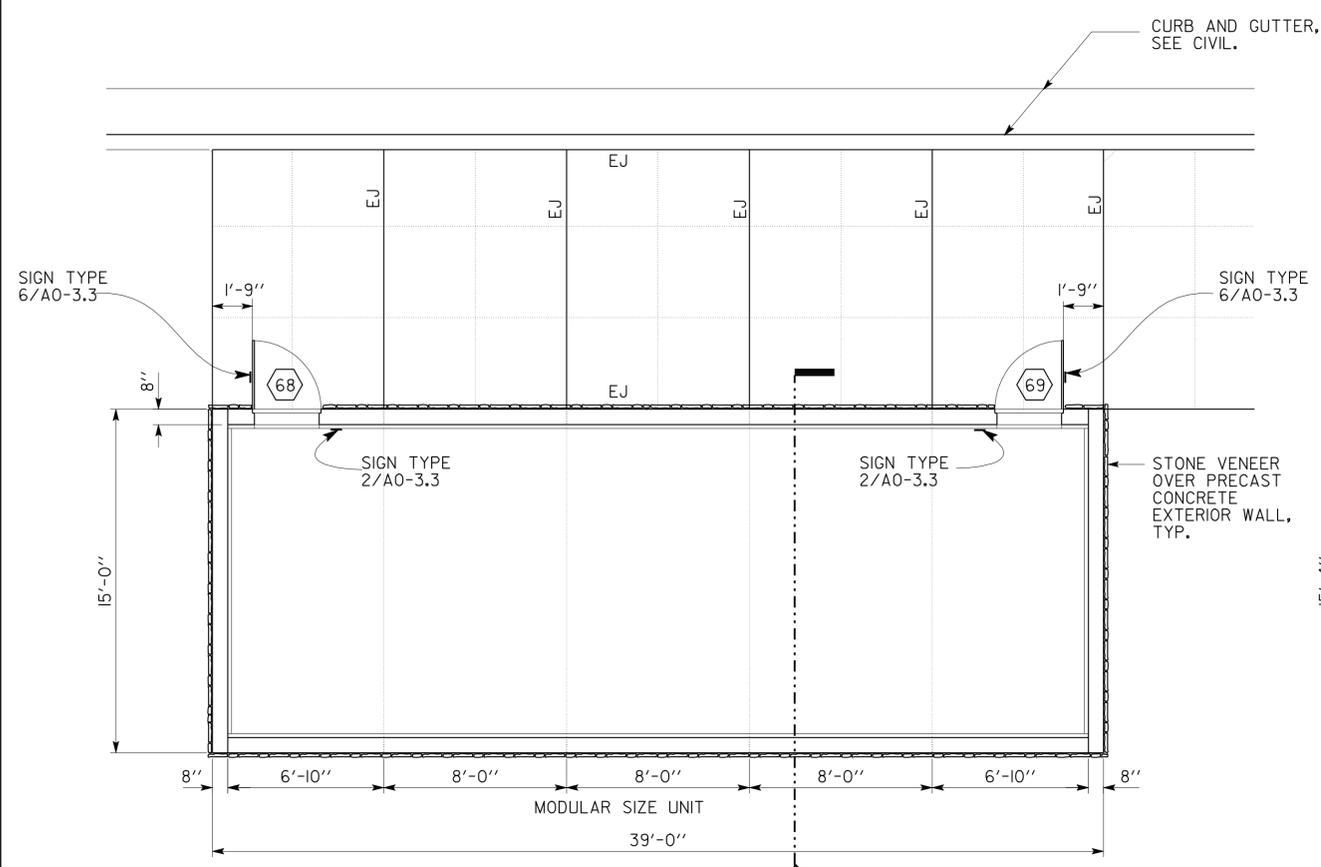
a10_02frmp-well.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:23	DESIGN BY D. LOWE CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE		SHEET A10-2
	DETAILS BY CHECKED C. FAUST		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3584 08000006281	CVEF	FIRE PUMP AND WELL HOUSE	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

26-FEB-2013 13:23

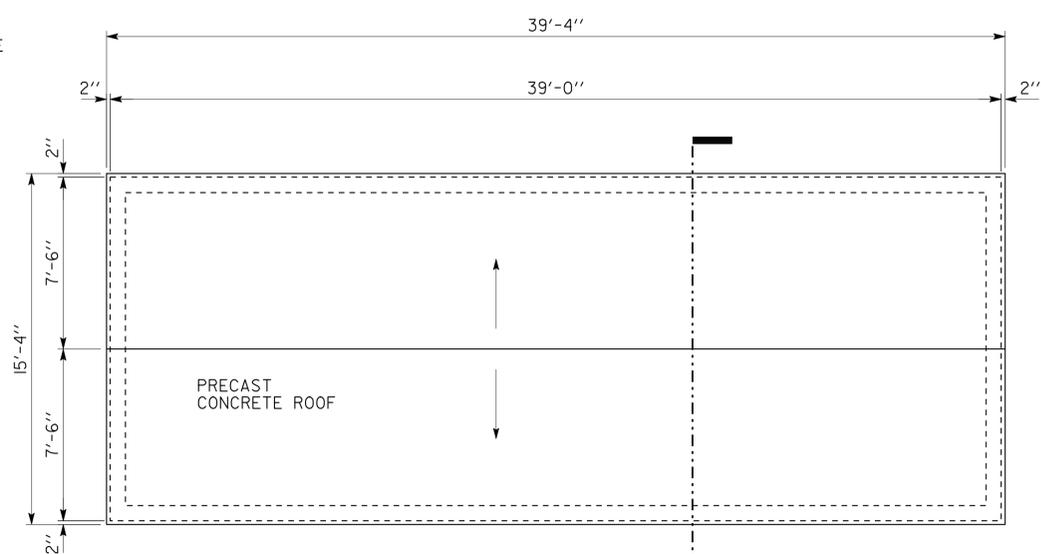
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	425	710

DOUG LOWE
 LICENSED ARCHITECT
 12-12-12
 DATE
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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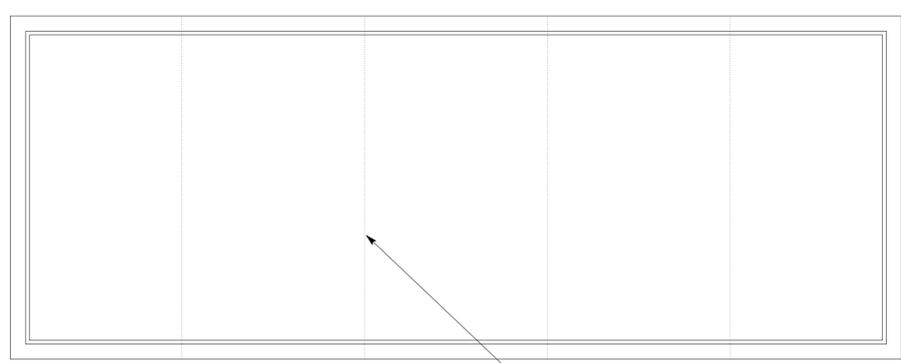


A FLOOR PLAN
 SCALE 1/4" = 1'-0"
 PLAN NORTH



B ROOF PLAN
 SCALE 1/4" = 1'-0"
 PLAN NORTH

ACCESSIBILITY DESIGN APPROVAL STAMP	CALIFORNIA STATE FIRE MARSHAL
DOT / DES / OTA 08-368501 DISTRICT - EA Reviewed by: <i>[Signature]</i> Y.A. WANG Date: 03-30-09	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> G. ANDERSEN Approval date: 01-20-2011



C REFLECTED CEILING PLAN
 SCALE 1/4" = 1'-0"
 PLAN NORTH

GENERAL NOTES:

1. CONSTRUCTION: PRE-ENGINEERED CONCRETE BUILDING
2. INTERIOR SURFACE SHALL BE LINED WITH 3/4" C-C PLYWOOD OVER 2" RIGID INSULATION WITH "Z" METAL FURRING
3. FOR SLAB / FOOTING SEE STRUCTURAL SHEETS
4. EXTERIOR SHALL BE CLADD WITH STONE VENEER AS INDICATED ON A11-2
5. DOORS SHALL HAVE SIGNS AS SHOWN.

MODULAR UNIT JOINT, TYP.

a11_01commhub.dgn DS OSD Imperial Rev. 11/98 26-FEB-2013 13:23	DESIGN BY D. LOWE	CHECKED C. FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE COMMUNICATION BUILDING	SHEET OF A11-1
	DETAILS BY	CHECKED C. FAUST		PROJECT NUMBER & PHASE 08000006281	POST MILE 177.3/181.1		CVEF
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3584 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-24-10 11-30-12	SHEET OF

26-FEB-2013 13:23

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	426	710

Doug Lowe
 LICENSED ARCHITECT
 12-12-12
 DATE
 2-25-13
 PLANS APPROVAL DATE

LICENSED ARCHITECT
 DOUG LOWE
 No. C-15341
 Exp. 06-30-13
 STATE OF CALIFORNIA

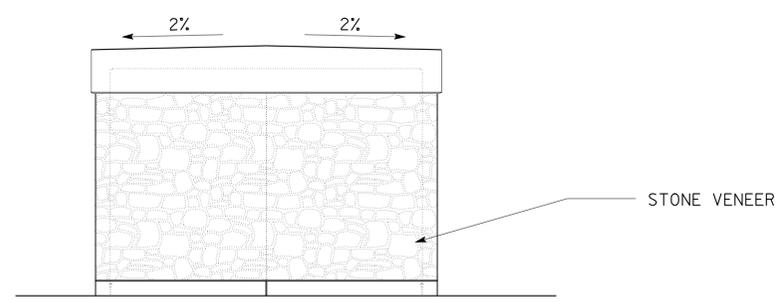
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
08-368501
 DISTRICT - EA

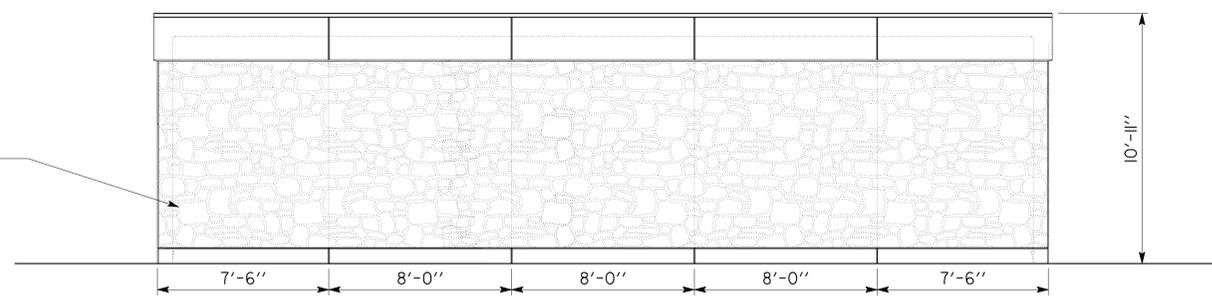
CALIFORNIA STATE FIRE MARSHAL
 APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Y.A. Wang*
 Y.A. WANG
 Date: 03-30-09

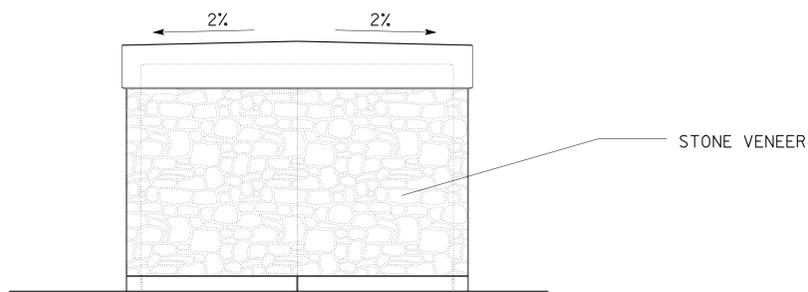
Reviewed by: *G. Andersen*
 G. ANDERSEN
 Approval date: 01-20-2011



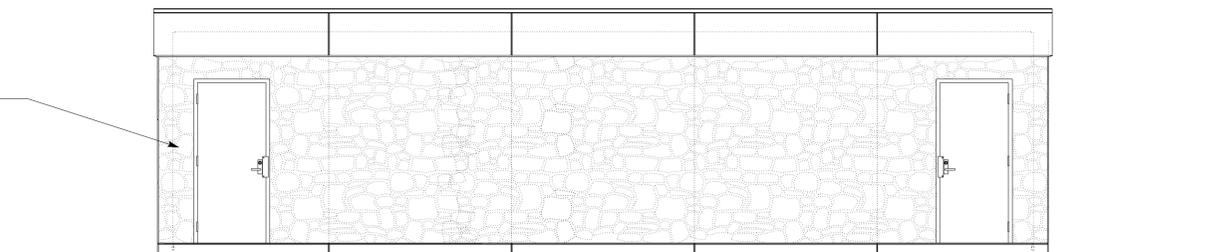
A NORTH ELEVATION
 SCALE 1/4" = 1'-0"



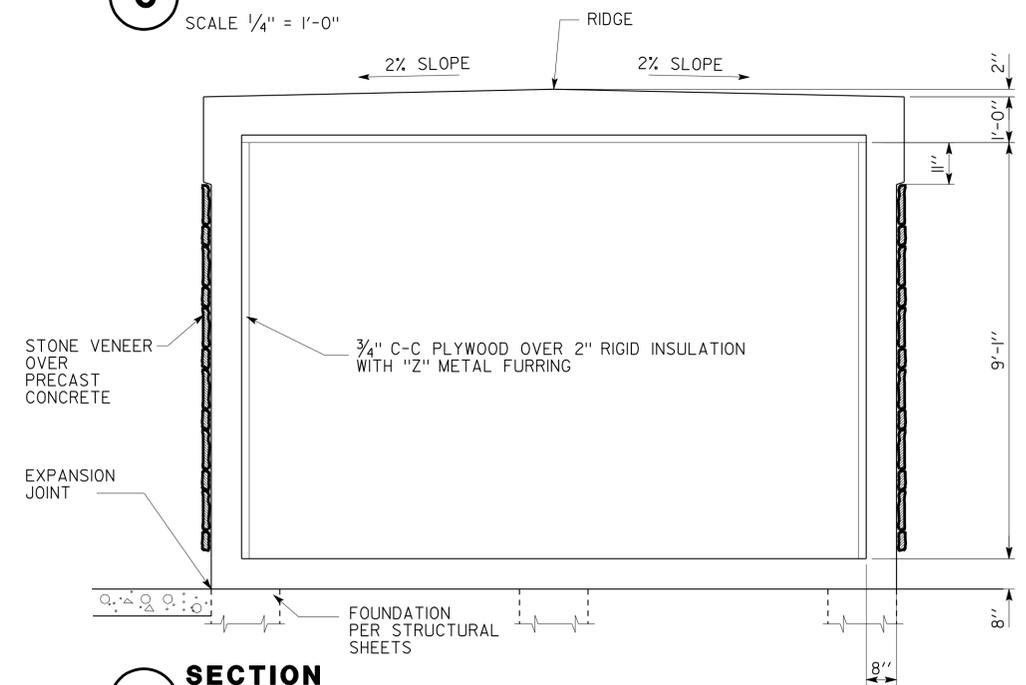
B EAST ELEVATION
 SCALE 1/4" = 1'-0"



C SOUTH ELEVATION
 SCALE 1/4" = 1'-0"



D WEST ELEVATION
 SCALE 1/4" = 1'-0"



E SECTION
 SCALE 1/2" = 1'-0"

DESIGN	BY D. LOWE	CHECKED C. FAUST
DETAILS	BY	CHECKED C. FAUST
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

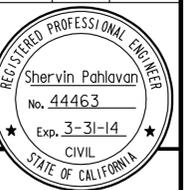
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 COMMUNICATION BUILDING

SHEET
A11-2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	428	710

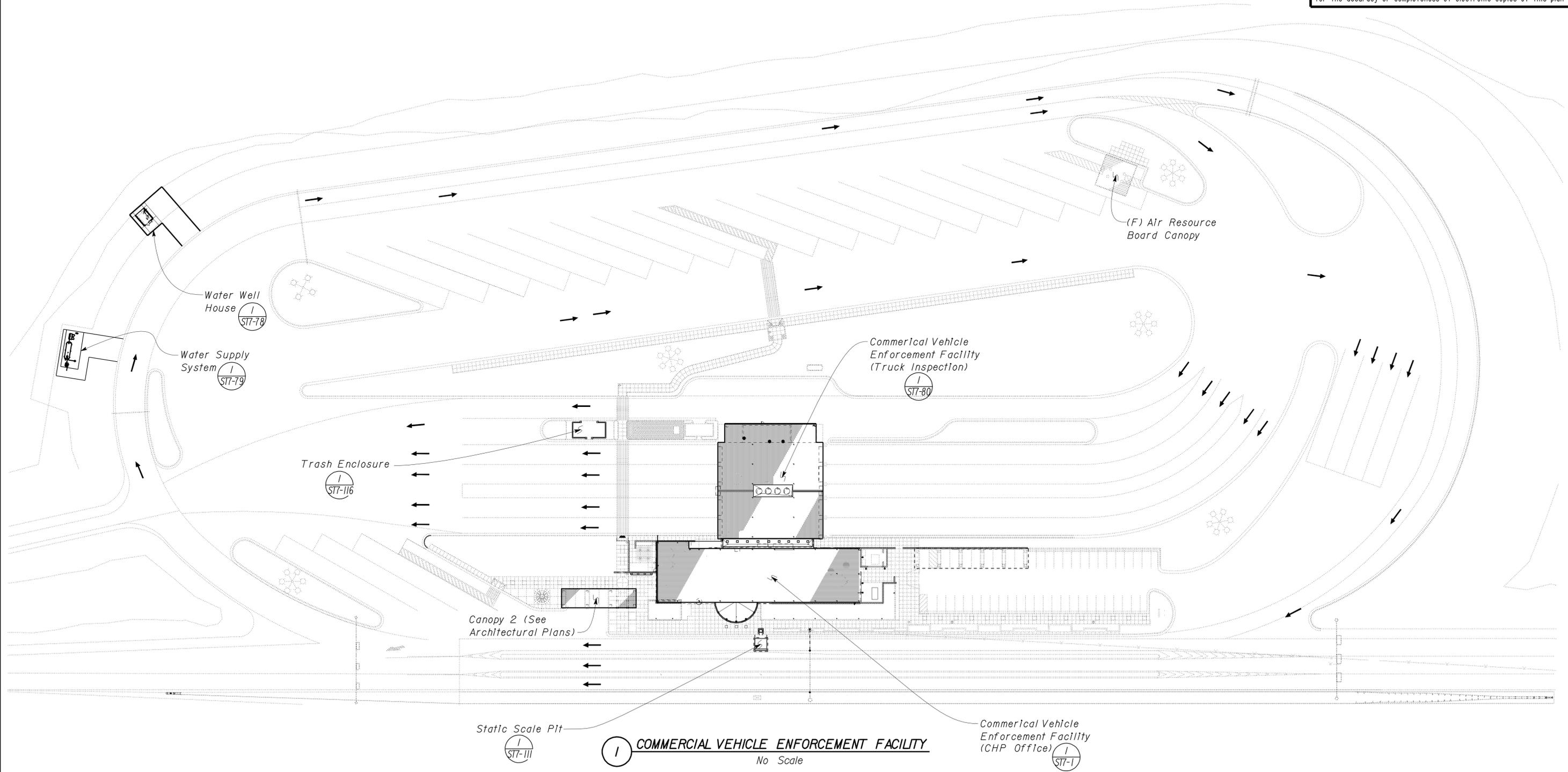
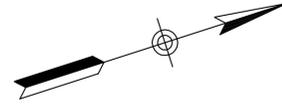
Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
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.

--- Denotes Future Construction not part of this Contract



Static Scale Pit
(I) ST7-111

(I) COMMERCIAL VEHICLE ENFORCEMENT FACILITY
No Scale

Commercial Vehicle Enforcement Facility (CHP Office)
(I) ST7-1

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

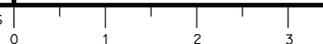
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
54-1216J
POST MILE
177.3/181.1

MOUNTAIN PASS JOE
CVPF
STRUCTURAL PLAN

SHEET
ST-0B



REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
07-18-10	11-01-12	2-10-12	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	429	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

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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
CFS	Cold-Formed Steel	Mech	Mechanical
CIDH	Cast In Drilled Hole	Mfr	Manufacturer
CJ	Control Joint	mm	Millimeter
Clr	Clear	Min	Minimum
CMU	Concrete Masonry Unit	MIW	Malleable Iron Washer
Conc	Concrete	OC	On Center
Const	Construction	OCBF	Ordinary Concentric Braced Frame
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
F	Future	Stagg	Staggered
FDGM	Free Draining Granular Material	Std	Standard
FG	Finish Grade	SW	Stud Weld
FL	Flow Line	Sym	Symmetrical
Flr	Floor	T&G	Tongue-and-Groove
FN	Face (Field) Nail	TN	Toe Nail
FOC	Face of Concrete	TS	Tube Steel
FOM	Face of Masonry	Typ	Typical
FOS	Face of Stud	UON	Unless Otherwise Noted
Ftg	Footing	Vert	Vertical
Ga	Gage		
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 DRAWING DATE 1-04		DESIGN BY <i>Sean Samal</i> CHECKED <i>George E. Rowe</i> SUBMITTED BY <i>Sean Samal</i> DESIGN ENGINEER		APPROVED <i>R.E. Travis</i> DESIGN SUPERVISOR		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 54-1216J POST MILE 177.3/181.1		MOUNTAIN PASS JOE LEGEND				SHEET ST-1 OF	
TAEMWW Imperial Rev. 7/10						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3599 PROJECT NUMBER & PHASE 08000006281		DISREGARD PRINTS BEARING EARLIER REVISION DATES				REVISION DATES (PRELIMINARY STAGE ONLY) 07-18-10 11-01-10 12-10-12		SHEET OF	

26-FEB-2013 11:04

st_01.dgn

A

FRAMING NOTES

- 1. Dimensions are typically shown to face of stud for exterior walls, to centerline of stud at interior walls, and to centerline of openings. Vertical dimensions are typically shown from rough floor or slab to top of plate or to underside of lintels. Dimensions shown as "clear" are from surface to surface.
2. Bearing, shear and exterior walls shall be sheathed with 3/8" structural plywood sheathing.
3. All roofs shall be sheathed with 5/8" structural plywood sheathing.
4. Plywood for floors and roofs shall be placed face grain perpendicular to supports. Where possible, plywood shall be placed in full sheets and staggered one-half sheet length. Any partial plywood sheet shall not be less than 2'-0" in length or width unless fully blocked. Plywood for wainscots, siding and wall sheathing may be placed parallel to framing and with the C-C plugged face exposed. See Detail 2, sheet ST-1B.
5. All wood members shall be Douglas Fir-Larch (DF) quality grade stamped. Grade stamps shall indicate compliance with the grading requirements of WWP, WCLIB or other approved lumber inspection agency.
6. Structural plywood sheathing shall be APA grade stamped plywood conforming to Voluntary Product Standard PSI, Grade C-D, Exposure 1. Thickness and span rating shall be as shown on the plans.
7. Wood grades (unless otherwise noted):
A. For horizontal members:
Joists & Rafters Grade #2
Beams & Stringers Grade #1
Ledgers Grade #1
B. For vertical members:
2"x4" Studs Construction Grade
2"x6" & larger studs Grade #2
Posts & Timbers Grade #1
C. Glue laminated beams:
Simple spans 24F-V4 DF/DF
Cantilevers & Continuous 24F-V8 DF/DF
8. Glue laminated members shall be engineered, stress rated and factory laminated with adhesive for wet use.
9. Exposed members shall be "architectural appearance" grade and non-exposed members shall be "industrial appearance" grade.
10. All wood in direct contact with concrete or masonry shall be pressure treated Douglas Fir-Larch.
11. Joists framed into the side of wood girders shall be supported by joist hangers.
12. Joists shall be supported laterally at the ends and at each support by solid blocking or other approved means except where the ends of joists are nailed to a header, band or rim joist or to an adjoining stud. Solid blocking shall not be less than 2"x in thickness and the full depth of the joist.
13. Joists and roof rafters 1'-0" or deeper shall have full depth 2"x thick solid blocking at 8'-0" maximum spacing.
14. Provide 2"x blocking to secure fixtures shown on the project plans.
15. Joists under and parallel to bearing walls shall be doubled.
16. When there are multiple holes and notches in one structural element or when there are holes and notches occurring in more than two consecutive structural elements, the Engineer's approval is required, unless the details are shown on plans.
17. Notches or cuts in bearing or shear wall studs may be to a depth not exceeding 25% of its width. Wood studs in non-bearing and non-shear walls supporting only their weight may be notched or cut to a depth not greater than 40%. (See note 16 above).
18. Bored hole diameters shall not exceed 40% of the stud width in bearing walls and 60% in non-bearing walls. The top plates may not be bored or cut, without the Engineer's approval. Neither bearing nor shear wall top plates may be bored greater than 40%, unless detailed on the plans. Holes shall not be closer than 5/8" to the edge of the stud. (See note 16 above)
19. When it is necessary to cut the sole plate, sill plate or wood stud for plumbing, heating or other pipes, a 1/16" thick x 1/2" wide galvanized metal stud shoe plate shall be fastened w/6-16d to the plate across the opening.
20. Equivalent metal bridging or ties may be submitted to the Engineer for approval.

B

MINIMUM NAILING SCHEDULE

- 1. All structural nailing shall be common wire. Alternate fasteners may be substituted as approved by the Engineer.
2. For wood to wood joints, the spacing of nails shall not be less than the required nail penetration. Edge or end distances shall not be less than 1/2 the required nail penetration. Where pre-drilling is required to avoid splitting of the wood, the hole diameter shall not exceed three-fourths of the nail diameter.
3. Nailing not noted below or on the project plans shall be a minimum of 2 nails at each contact, 8d for 1"x members and 16d for 2"x members.
4. Joists or Rafters:
a. Bearing (sill, girder, top plate) Toe Nail 3-8d
b. Laps (parallel members over walls or beams) Face Nail 4-16d
For each additional 3" member depth beyond 6" member add 2-16d
c. Rim joist to floor joist, End Nail 2-16d
For each additional 4" member depth beyond 8" member add 1-16d
d. Rim joist to top plate, Toe Nail 8d @ 6" OC
e. Double joists under bearing walls, staggered Face Nail. 16d @ 1'-0" OC
5. Studs:
a. Double studs, Face Nail 16d @ 2'-0" OC
b. Top plate to stud, End Nail 2-16d
c. Stud to sole plate, Toe Nail 3-16d or 4-8d
d. Sole plate to stud, End Nail 2-16d
e. Stud to continuous header, Toe Nail 3-16d or 4-8d
f. Built-up corner studs, Face Nail 16d @ 2'-0" OC
6. Plates:
a. Top plate doubled, Face Nail 16d @ 1'-4" OC
b. Top plate intersection, Face Nail 2-16d
c. Sole plate to rim joist or blocking, Face Nail 16d @ 1'-4" OC
d. Sole plate to floor framing, Face Nail 16d @ 1'-4" OC
7. Blocking:
a. To studs, joists or rafters, Toe Nail 3-16d or 4-8d or End Nail 2-16d
For each additional 4" member depth beyond 8" member add, Toe Nail 2-8d or End Nail 1-16d
b. To plates, Toe Nail 16d @ 1'-0" OC
8. 2" Subfloor to each joist or girder one blind and one Face Nail. 2-16d
9. Structural Plywood Nailing:
a. Spacing at subflooring, decking, roof and wall structural plywood sheathing to framing:
LOCATION 3/8" Plwd 1/16" - 1" Plwd
At supported edges (edge nailing) & over bearing (beams, girders, walls, etc.) 8d @ 6" OC 10d @ 6" OC
At intermediate supports (field nailing) 8d @ 6" OC 10d @ 1'-0" OC
Where bearing is 4'-0" or greater (field nailing) 10d @ 6" OC
b. Structural plywood edge nailing shall be staggered at supports, Detail 2, Sheet ST-1B; at double plates, Detail 3, Sheet ST-1B; and at double studs located at wall intersections and corners, Details 9A and 9B, Sheet ST-1B.
c. Decking and Underlayment: Use deformed shank nail (see Sheet ST-1B for nail size and spacing)
d. Panel siding to framing: Use zinc coated nail (see Sheet ST-1B for nail size and spacing)
10. Finish Plywood Nailing (non-structural):
a. Finish plywood to framing where the thickness is 1/2" or less:
1) Finish nail at supported edges (edge nailing) 6d @ 6" OC
2) Finish nail at intermediate supports (field nailing) 6d @ 1'-0" OC
11. Gypsum Sheathing (Structural):
a. Wall structural gypsum board sheathing to framing where the thickness 5/8" or less:
1) Cooler nail, parker nail or wallboard nail with a flat or concave head and diamond point at all edges and intermediate supports (field nailing) 6d @ 4" OC

Table with 3 columns: LOCATION, 3/8" Plwd, 1/16" - 1" Plwd. Rows include supported edges, intermediate supports, and where bearing is 4'-0" or greater.

Professional Engineer seal for Shervin Pahlavan, No. 44463, State of California. Includes project info: DIST. 08, COUNTY SBd, ROUTE 15, POST MILES TOTAL PROJECT 177.3/181.1, SHEET NO. 430, TOTAL SHEETS 710. Date: 11-27-12. Plans Approval Date: 2-25-13.

C

MECHANICAL FASTENER NOTES

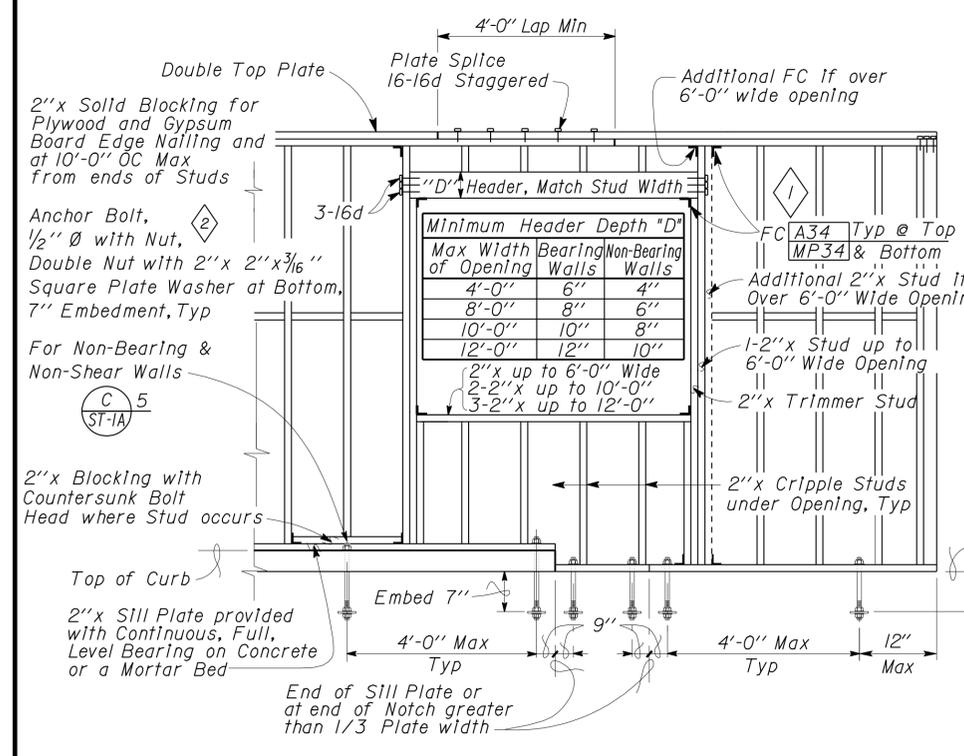
- 1. The clearance holes for lag screw shanks shall be the same diameter and depth as the unthreaded shank. The lead hole for the threaded portion shall be of a diameter equal to 60% of the shank diameter for screws up to 1/2" diameter, and 75% of the shank diameter for larger lag screws. The lead hole shall be at least the length of the threaded portion.
2. Lag screws shall be turned into pre-drilled holes and not be driven.
3. All bolts and lag screws shall be tightened and retightened before closing in, or at completion of job.
4. All bolts and lag screws shall be provided with metal washers under heads and nuts which bear on wood.

Table titled 'MINIMUM WASHER FOR BOLTS & LAG SCREWS'. Columns: Size, Malleable Iron Washer, Steel Plate Washer. Rows: 1/2" Ø, 5/8" Ø, 3/4" Ø, 7/8" Ø, 1" Ø.

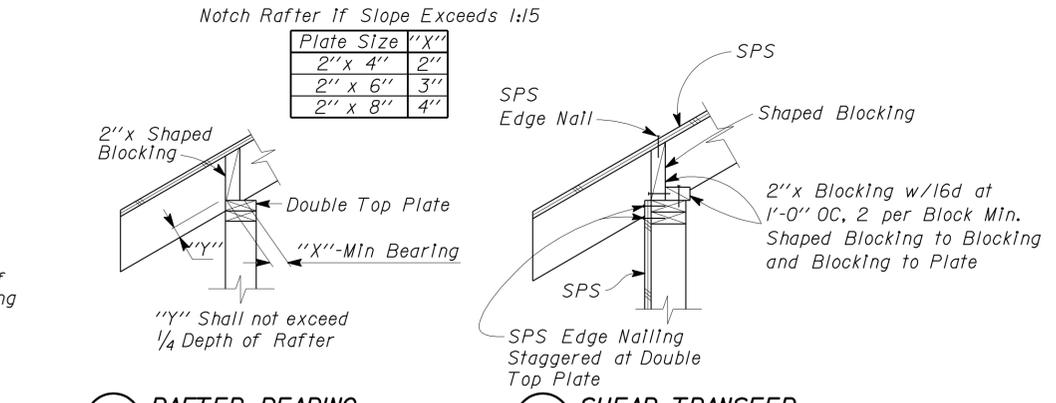
- 5. Fastener alternatives for non-bearing and non-shear walls: Two minimum per member and at 9" from ends.
a. 1/8" Ø Powder driven anchor with 1" penetration @ 2'-0" OC.
b. 1/4" Ø expansion anchorage device embedded 1/2" minimum at 2'-0" OC.
c. 1/2" Ø anchor bolt with 2 1/2" embedment @ 4'-0" OC.
6. Equivalent mechanical fasteners may be submitted to the Engineer for approval.

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

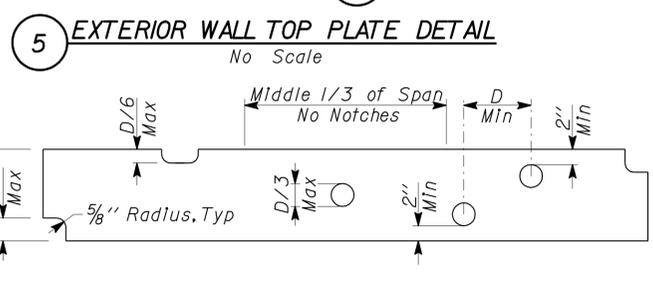
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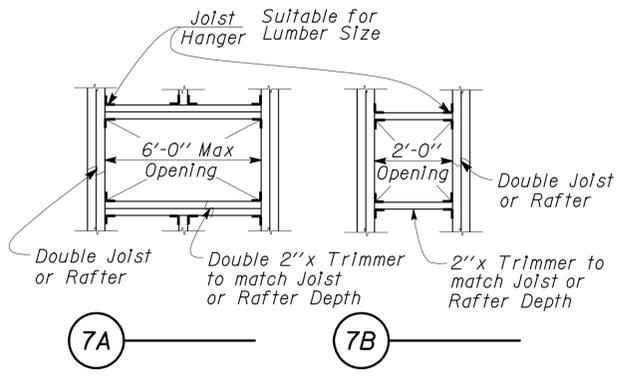
1 TYPICAL WALL AND OPENING FRAMING
No Scale



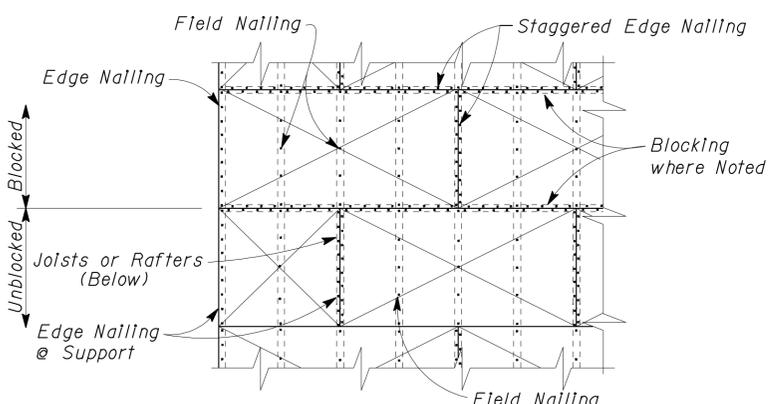
5A RAFTER BEARING **5B SHEAR TRANSFER**



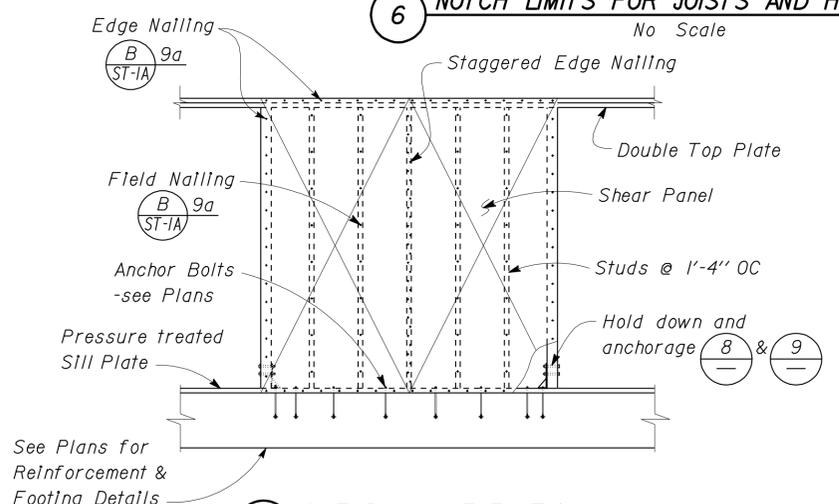
5 EXTERIOR WALL TOP PLATE DETAIL
No Scale



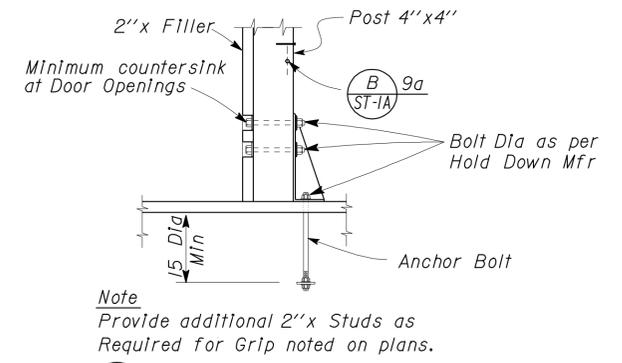
7A FRAMING AT OPENINGS **7B FRAMING AT OPENINGS**



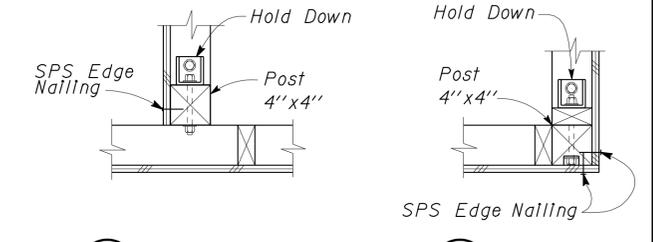
2 STRUCTURAL PLYWOOD LAYOUT
No Scale



3 SHEAR WALL ELEVATION
No Scale

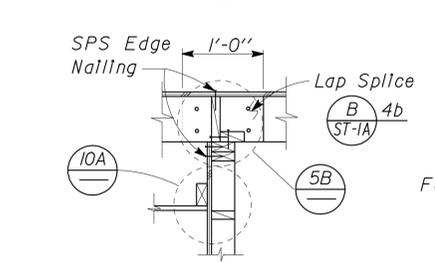


8 INTERIOR HOLD DOWN
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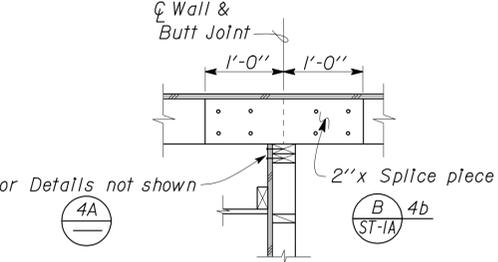


9A INTERSECTION **9B CORNER**

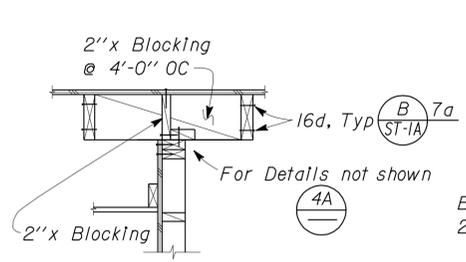
9 INTERIOR AND CORNER WALL FRAMING DETAILS
No Scale



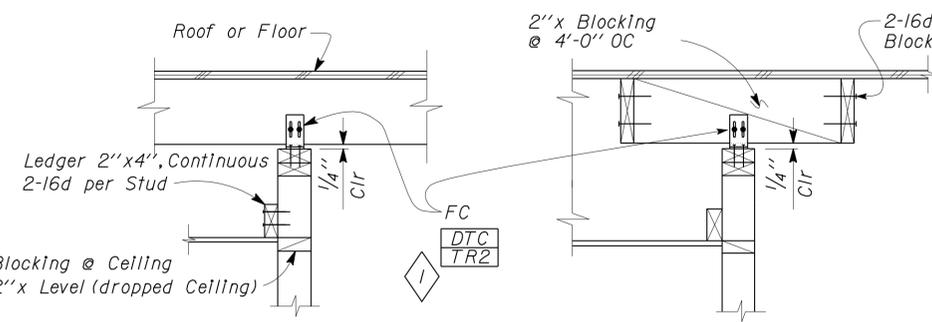
4A LAP SPLICE ACROSS JOISTS



4B BUTT SPLICE ACROSS JOISTS

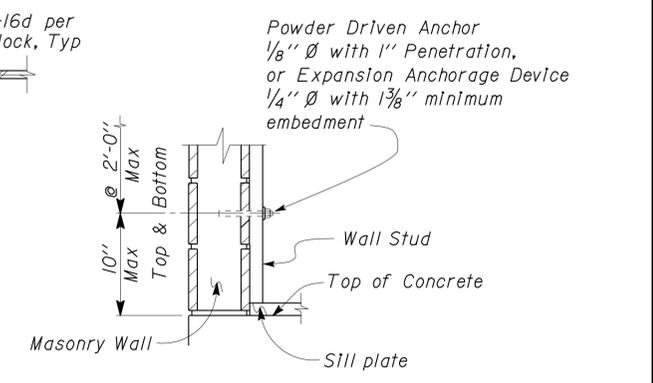


4C JOISTS PARALLEL TO WALL



10A ACROSS JOISTS **10B PARALLEL TO JOISTS**

10 NON-BEARING WALL TOP PLATE CONNECTION
No Scale



11 STUD ANCHORAGE TO MASONRY
No Scale

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

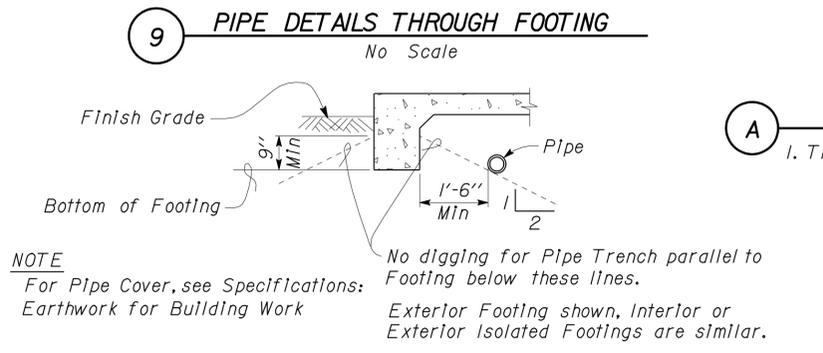
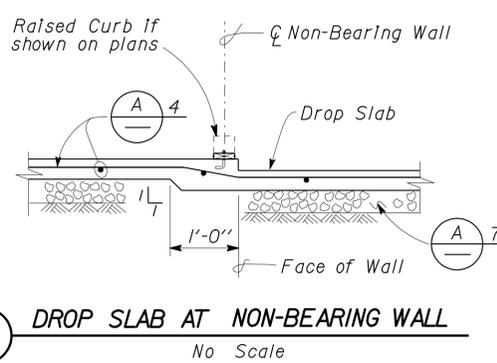
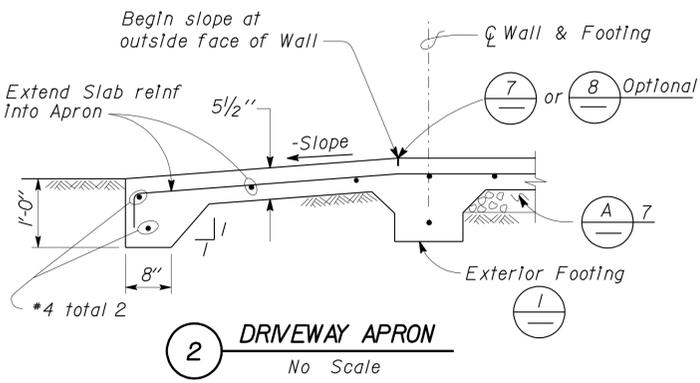
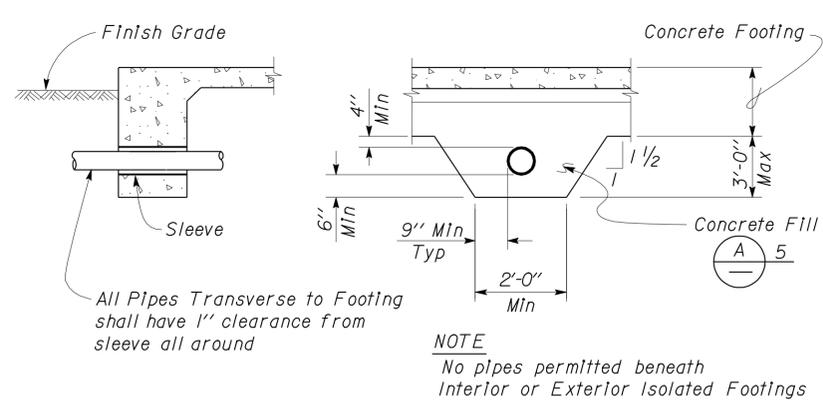
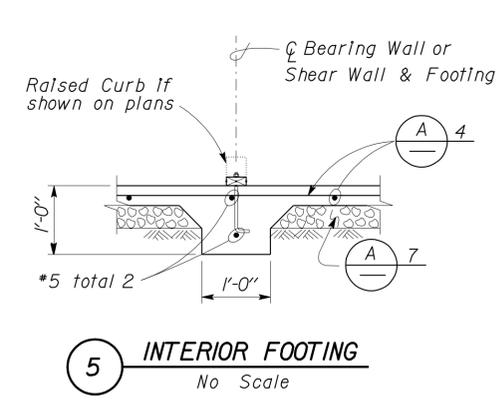
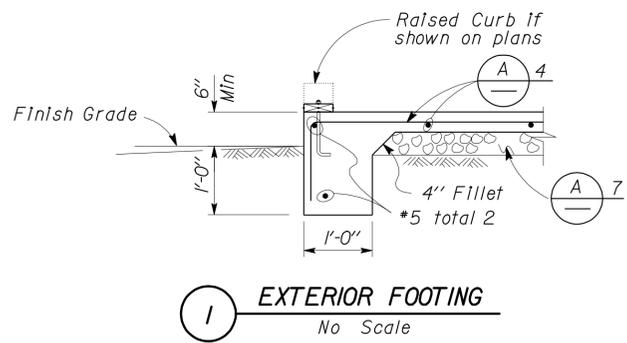
FILE NO. XS-25-5.1	DESIGN BY Sean Seavel	CHECKED Joe Ender	APPROVED RE Travis
DRAWING DATE 1-04	DETAILS BY Peter F. von Sawoy	CHECKED	DESIGN SUPERVISOR
SUBMITTED BY Sean Seavel		DESIGN ENGINEER	

Revision - 11-02-2006 Updated USP connector ID.
Anchor Bolt size & defnition.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1
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MOUNTAIN PASS JOE		SHEET ST-1B
WOOD FRAMING STANDARD - DETAILS		
DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
		03-11-10 11-01-12 12-10-12

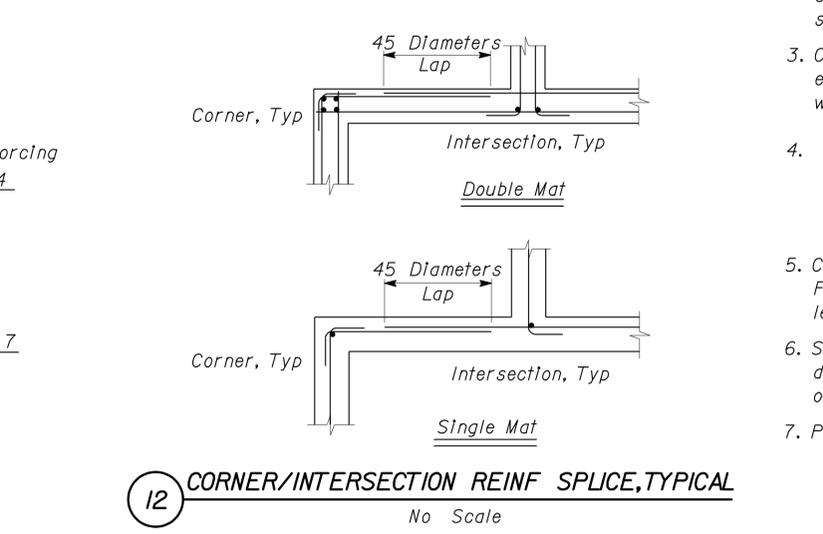
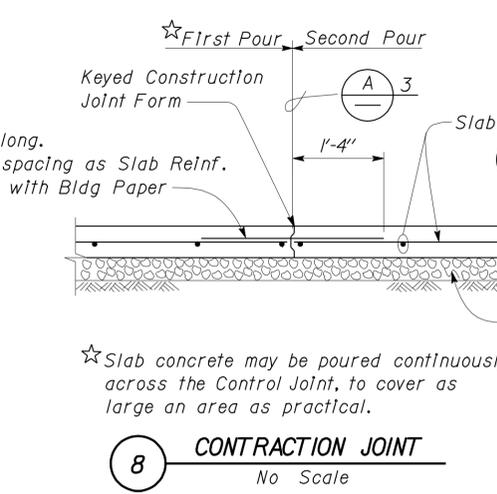
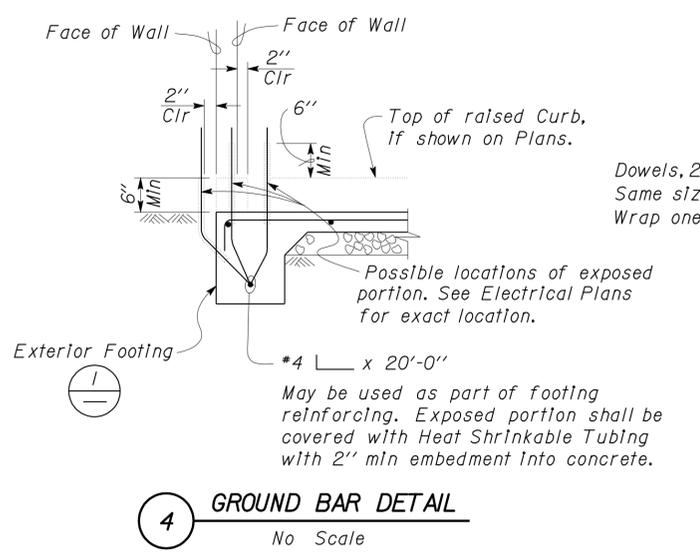
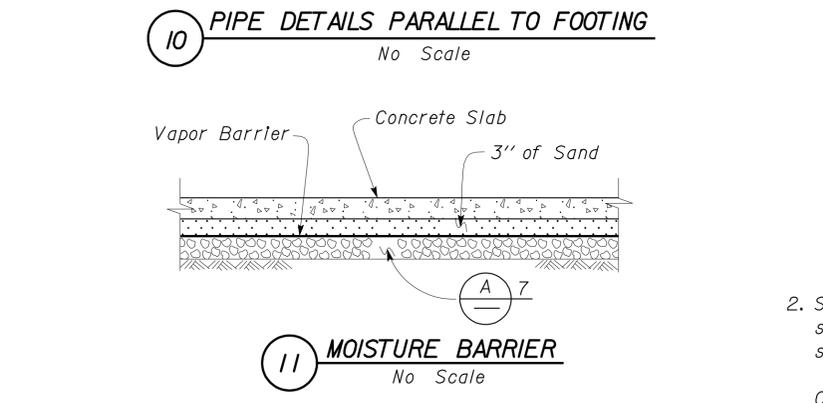
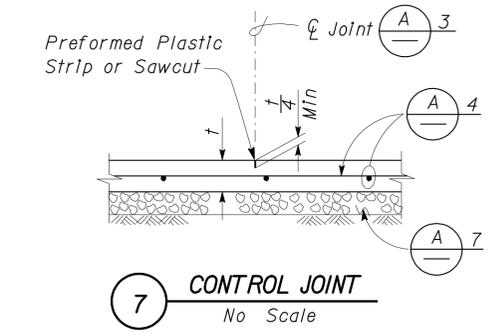
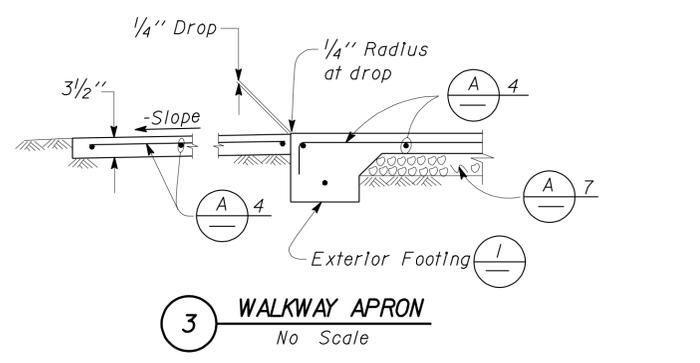
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	432	710
Shervin Pahlavan REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



A 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"



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 Seavel	CHECKED Steve Gaudin	APPROVED R.E. Travis
DRAWING DATE 1-04	DETAILS BY Peter F. von Davy	CHECKED [Signature]	DESIGN SUPERVISOR
SUBMITTED BY Sean Seavel		DESIGN ENGINEER	

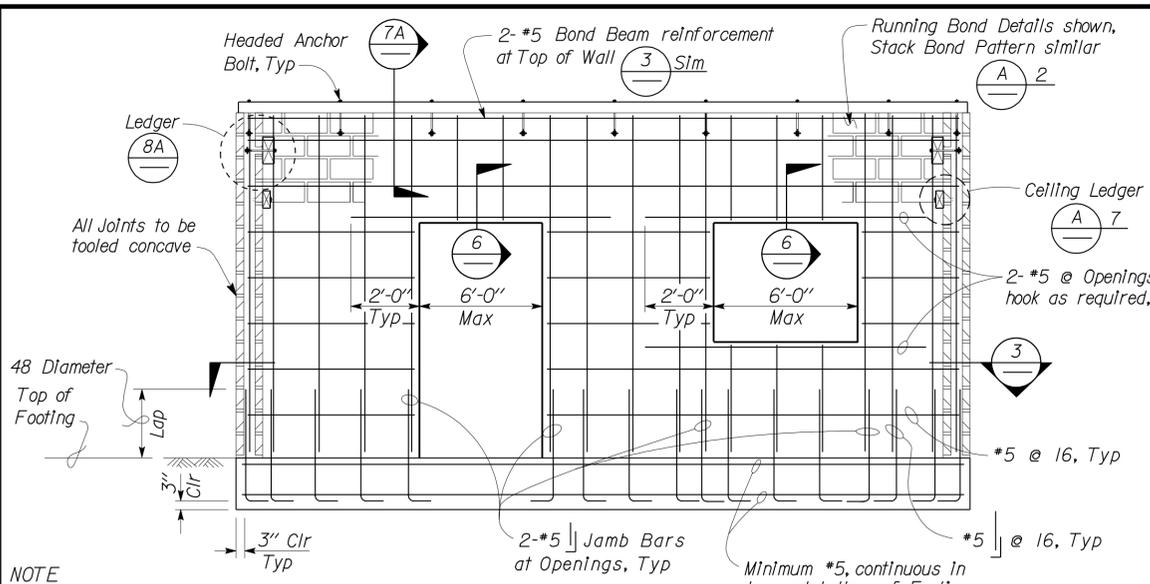
STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST-2
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 177.3/181.1	CONCRETE STANDARD	

UNIT PROJECT NUMBER & PHASE	3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
EA 368501			12-17-10 11-01-12 12-10-12	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	TAEMWW Imperial Rev. 7/10	26-FEB-2013 11:04
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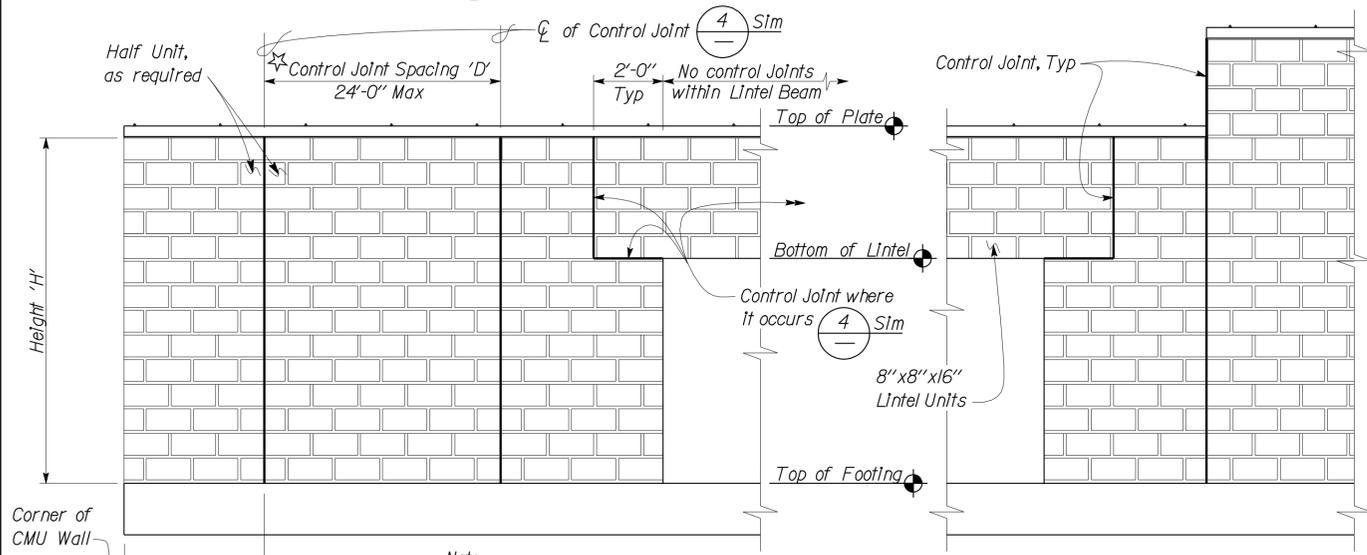
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	433	710
Shervin Pahlavan 11-27-12 REGISTERED CIVIL ENGINEER DATE					
2-25-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



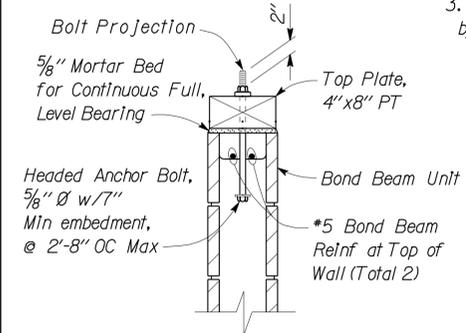
1 WALL ELEVATION
No Scale

NOTE
See Architectural Plans for Concrete Masonry Unit size and pattern, 8"x8"x16" Unit shown.

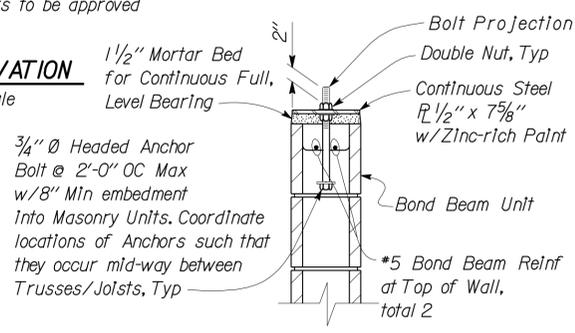


Note
 1. Control Joint spacing; 'D' ≤ 1.5H
 2. Minimum one Control Joint per each Wall Line.
 3. Location of the Control Joints to be approved by the Engineer.

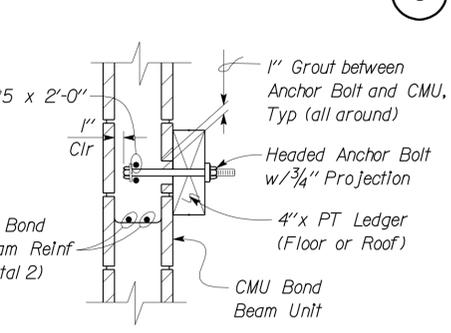
2 WALL ELEVATION
No Scale



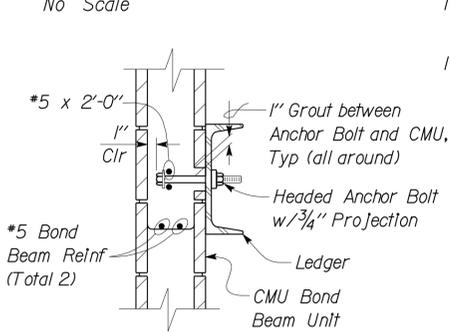
7A WOOD TOP PLATE DETAIL
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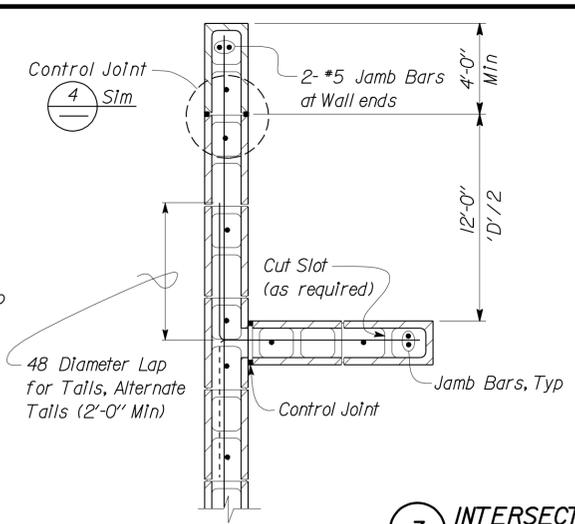
7B STEEL TOP PLATE DETAIL
No Scale



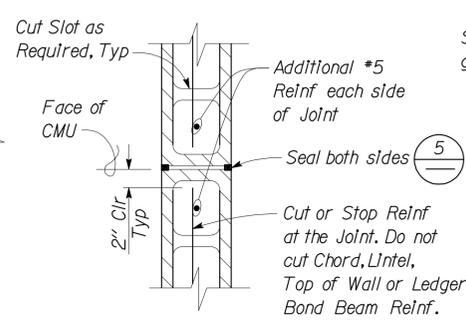
8A WOOD LEDGER DETAIL
No Scale



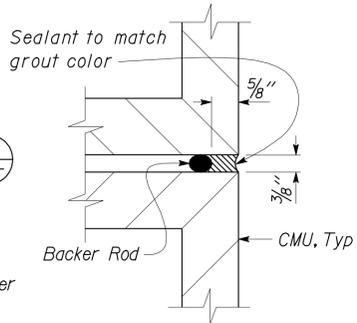
8B STEEL LEDGER DETAIL
No Scale



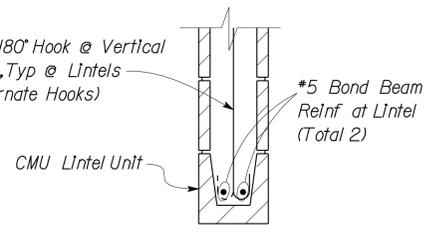
3 INTERSECTING WALL DETAILS
No Scale



4 CONTROL JOINT DETAIL
No Scale



5 JOINT SEAL DETAIL
No Scale



6 LINTEL DETAIL
No Scale

A REINFORCED CONCRETE MASONRY UNIT NOTES

- All Walls shown on plans shall be solid grout, open end units, UON.
- Stack Bond requires open end Bond Beam Units throughout.
- All vertical reinforcement shall be centered in cell, UON. The minimum coverage of other reinforcement from the exposed surface of Concrete Masonry Unit shall be 2".
- Reinforcement splices shall be as follows:
 - Length of lap splice for a #7 or smaller bar shall be 48 diameters.
 - Lintel lap splices, if necessary, shall be at midspan for top bars and beyond support for bottom bars.
- There shall be a minimum 8" return at any Jamb adjacent to corner.
- Dowels shall be at least the same size and spacing as wall reinforcement.
- Ceiling Ledger shall be anchored with 1/4" Ø Expansion Anchors installed at 2'-8" OC maximum spacing. Expansion Anchors shall have 1/2" minimum distance to any edge of the masonry unit. Minimum embedment measured from the outside face of the unit shall be 2".
- Pipes shall not be embedded in any Masonry Wall except when shown on plans or as approved by the Engineer.
- Electrical Conduit, Panels or Fixtures may be placed in cells with the following restrictions:
 - The Conduits shall not interfere with or displace the reinforcing steel.
 - Conduits shall not be placed in such a congested manner as to prevent the complete filling of the cells with grout.
 - Horizontal run of 3/4" maximum size conduit may be placed in a bond beam unit course that does not have horizontal reinforcing steel.
 - Recesses more than 1" deep for Electrical Panels or Fixtures shall be framed and have similar reinforcement as doors and windows.
- Steel washers shall be provided for all anchor bolts, over-sized holes and high strength bolts.
- See Architectural and Mechanical Plans for offsets, sizes and locations of ducts, wall openings, vents and other details not shown on Structural sheets.

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

FILE NO. XS-25-2	DESIGN BY <i>Sean Sennel</i>	CHECKED BY <i>Joe Colton</i>	APPROVED BY <i>RE Travis</i>
DRAWING DATE 1-04	DESIGNER	CHECKER	DESIGN SUPERVISOR
SUBMITTED BY <i>Sean Sennel</i> , DESIGN ENGINEER			

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST-3
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 177.3/181.1	CONCRETE MASONRY UNIT STANDARD	

UNIT PROJECT NUMBER & PHASE	3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
EA 368501			03-11-10 11-01-12 12-10-12	

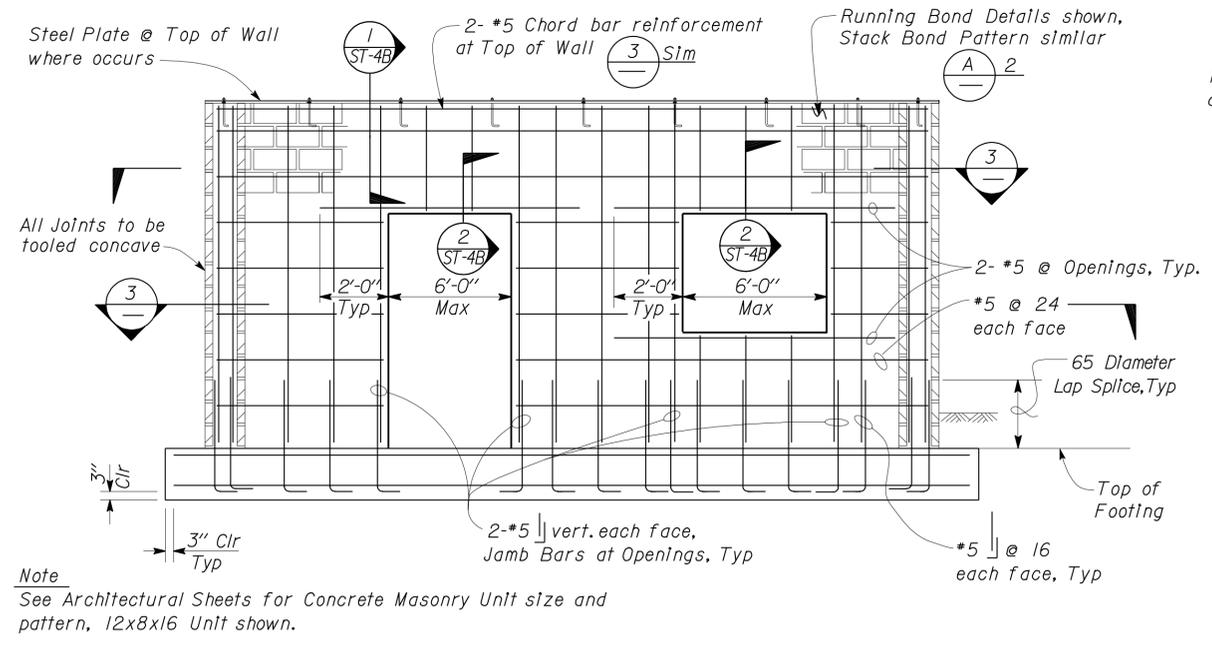
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
		EA 368501			03-11-10 11-01-12 12-10-12	

26-FEB-2013 11:04
st_03.dgn

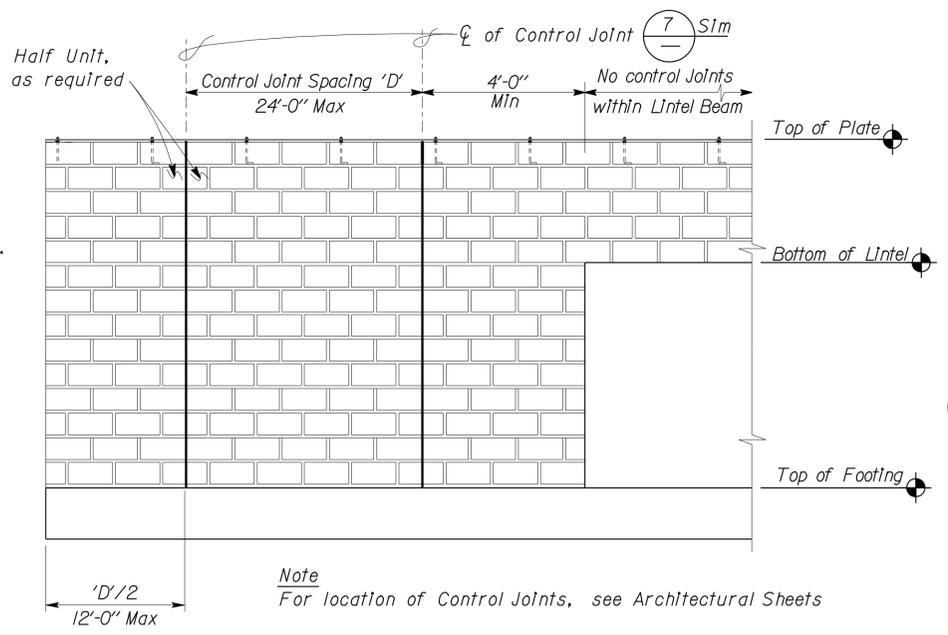
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	434	710

Sherwin Pahlavan REGISTERED CIVIL ENGINEER No. 44463 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA	11-27-12 DATE
2-25-13 PLANS APPROVAL DATE	

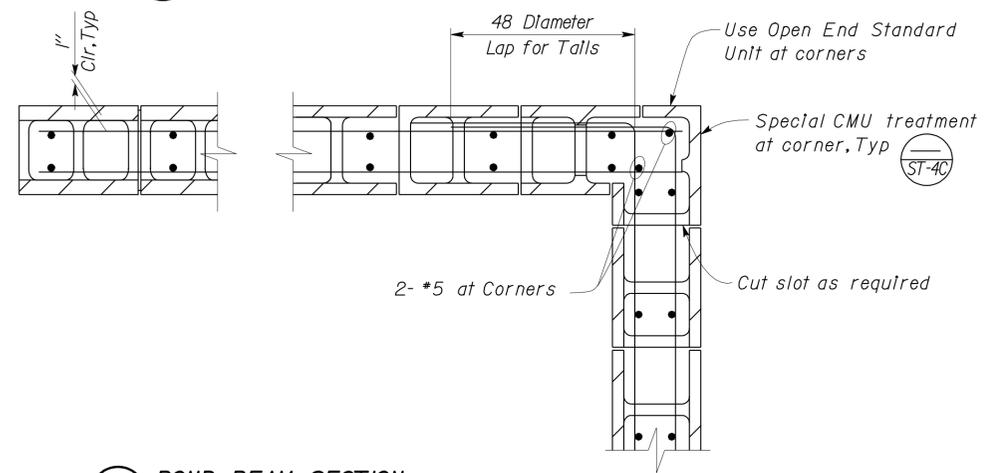
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



1 WALL ELEVATION
No Scale



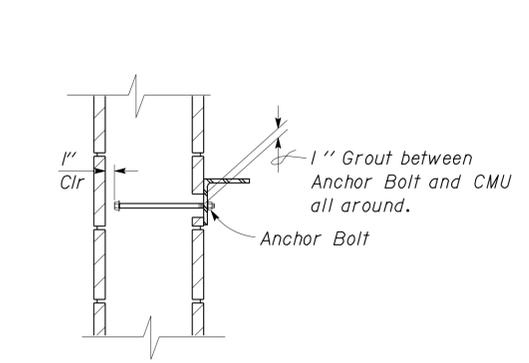
2 WALL ELEVATION
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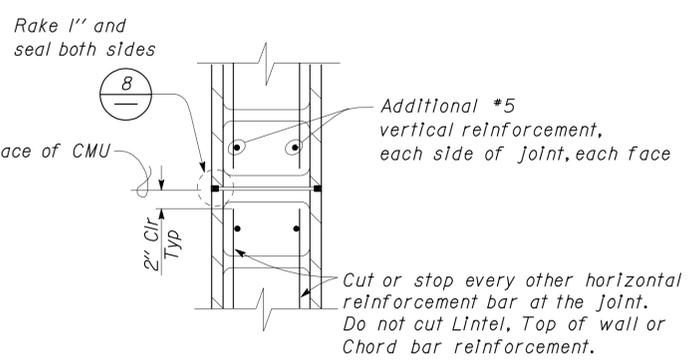
3 BOND BEAM SECTION
No Scale

DETAIL OMITTED
6 No Scale

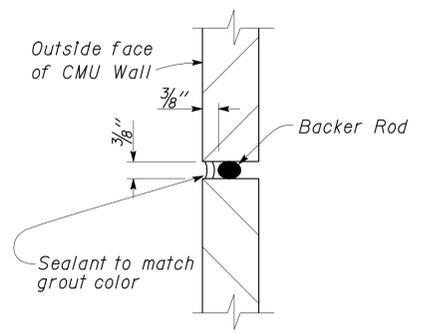
DETAIL OMITTED
4 No Scale



5 ANCHOR BOLT DETAIL
No Scale



7 CONTROL JOINT DETAIL
No Scale



8 JOINT SEAL DETAIL
No Scale

- A REINFORCED CONCRETE MASONRY UNIT NOTES**
- All Walls shown on plans shall be solid grouted.
 - Stack Bond requires open end Bond Beam Units throughout.
 - The minimum coverage of other reinforcement from the exposed surface of Concrete Masonry Unit shall be 2".
 - Reinforcement splces shall be as follows:
 - Length of a lap splice for a No.7 or smaller bar shall be 65 bar diameters, typical unless noted otherwise
 - Lintel lap splces, if necessary, shall be at midspan for top bars and beyond support for bottom bars.
 - Dowels shall be at least the same size and spacing as wall reinforcement.
 - Pipes shall not be embedded in any Masonry Wall except where shown on plans or as approved by the Engineer.
 - Electrical Conduit, Panels or Fixtures may be placed in cells with the following restrictions:
 - The Conduits shall not interfere with or displace the reinforcing steel.
 - Conduits shall not be placed in such a congested manner as to prevent the complete filling of the cells with grout.
 - Horizontal run of 3/4" maximum size conduit may be placed in a bond beam unit course that does not have horizontal reinforcing steel.
 - Recesses for Electrical Panels or Fixtures shall be framed and have similar reinforcement as doors and windows.
 - See Architectural and Mechanical drawings for offsets, sizes and locations of ducts, wall openings, vents and other details not shown on Structural sheets.

12" CMU

DESIGN	BY	Sherwin Pahlavan	CHECKED	Brian Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE CONCRETE MASONRY UNIT DETAILS	SHEET ST-4A
	DETAILS	BY	Andrew Lovato	CHECKED					
QUANTITIES	BY		CHECKED		UNIT PROJECT NUMBER & PHASE	3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

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

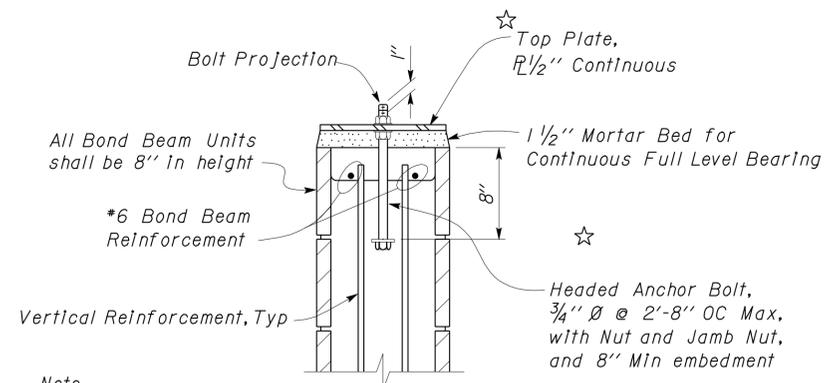
EA 368501

26-FEB-2013 11:04

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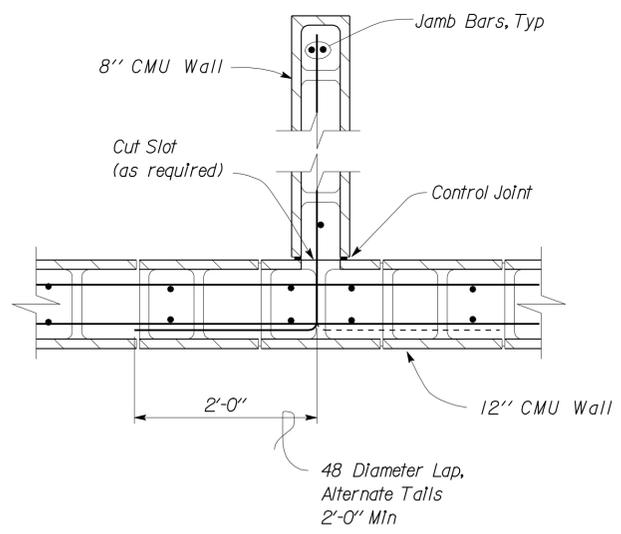
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	435	710

<i>Shervin Pahlavan</i> 11-27-12 REGISTERED CIVIL ENGINEER DATE		
2-25-13 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.		

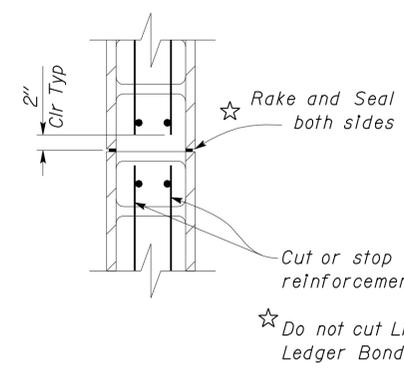


Note
 1. Vertical Reinforcement not shown.
 2. CMU height varies, see Architectural plans.

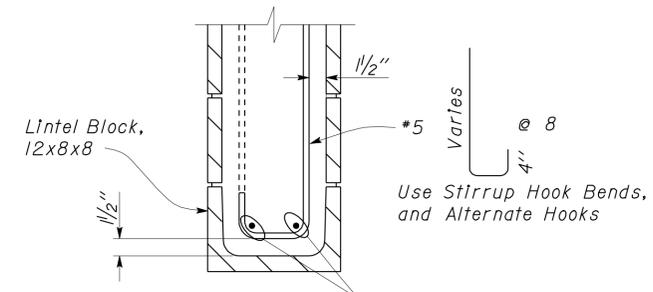
1 STEEL TOP PLATE DETAIL
 Scale 1 1/2" = 1' - 0"



4 8" to 12" CMU WALL DETAIL
 Scale 1" = 1' - 0"

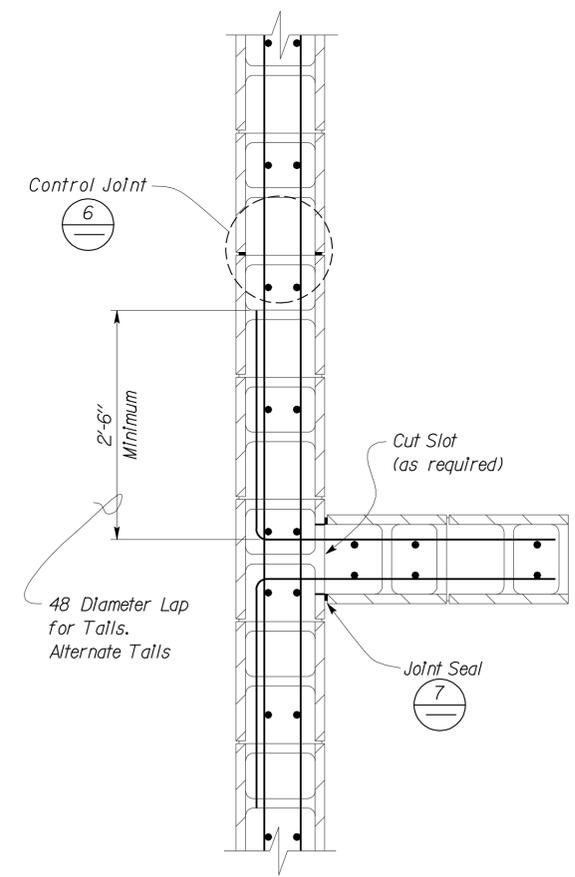


6 CONTROL JOINT DETAIL
 Scale 1" = 1' - 0"

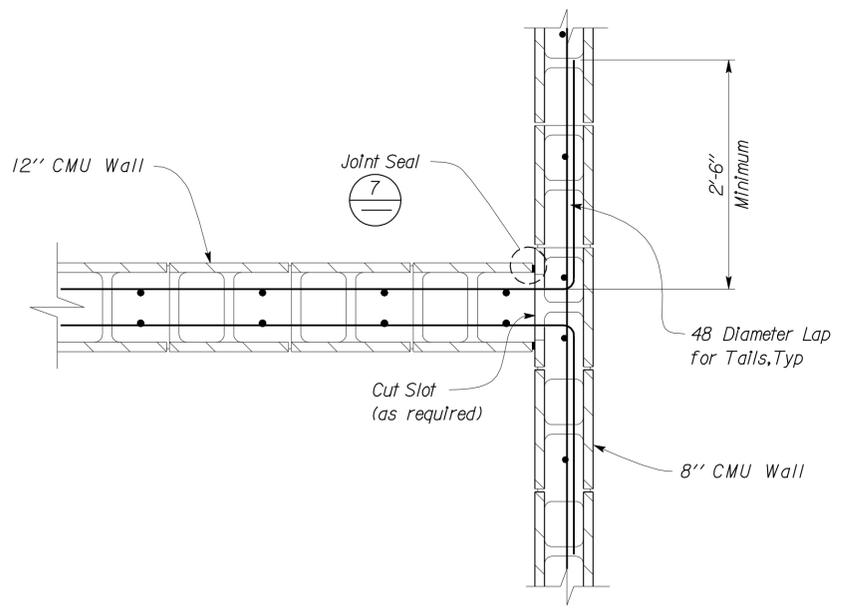


Note
 CMU height varies, see Architectural plans.

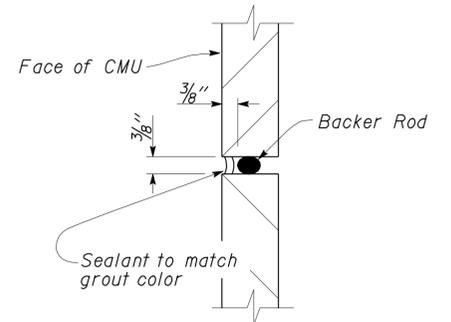
2 LINTEL DETAIL
 Scale 1 1/2" = 1' - 0"



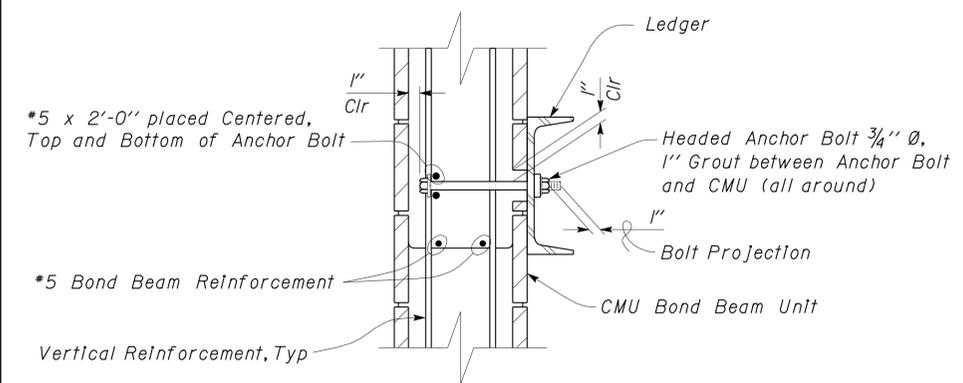
5 INTERSECTING WALL DETAIL
 Scale 1" = 1' - 0"



8 12" TO 8" CMU WALL INTERSECTION DETAIL
 Scale 1" = 1' - 0"



7 JOINT SEAL DETAIL
 No Scale



3 STEEL LEDGER DETAIL
 Scale 1 1/2" = 1' - 0"

12" CMU

DESIGN BY Shervin Pahlavan	CHECKED BY Brian Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE	SHEET ST-4B
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY	CHECKED BY	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	EA 368501	03-11-10 11-01-12 12-11-12		

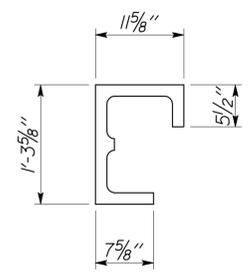
26-FEB-2013 11:05

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	436	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

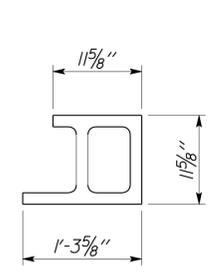
2-25-13
 PLANS APPROVAL DATE

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.



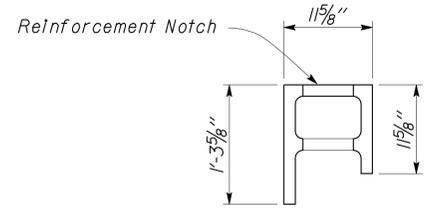
Note
CMU shall be cut or formed as shown; to form Corner Unit of 12" CMU Walls.

1 12" CMU CORNER UNIT 'A' DETAIL
Scale 1" = 1'-0"



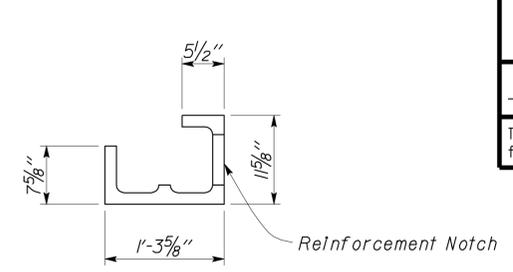
Note
CMU shall be cut or formed as shown; to form Corner Unit of 12" CMU Walls.

2 12" CMU CORNER UNIT 'B' DETAIL
Scale 1" = 1'-0"



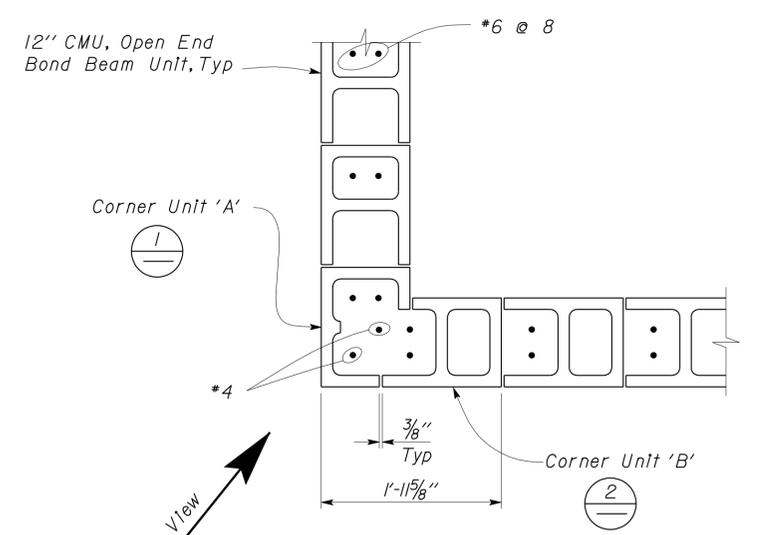
Note
CMU shall be cut or formed as shown; to form Corner Unit of 12" CMU Walls.

3 12" CMU CORNER UNIT 'C' DETAIL
Scale 1" = 1'-0"



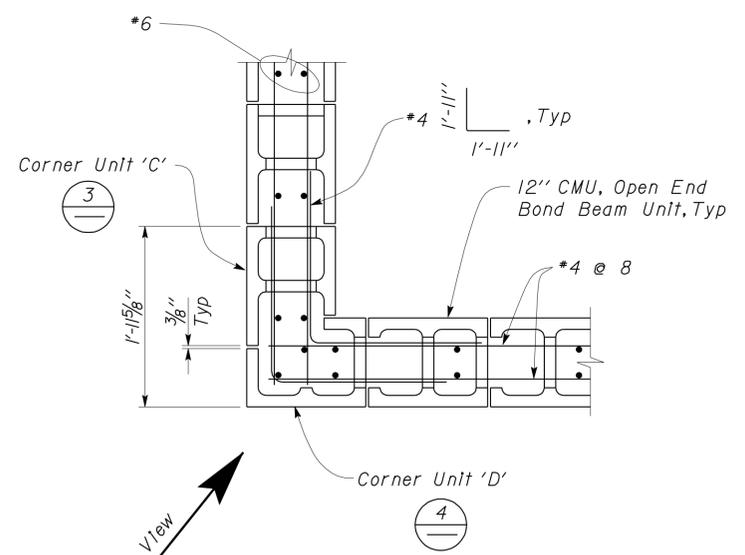
Note
CMU shall be cut or formed as shown; to form Corner Unit of 12" CMU Walls.

4 12" CMU CORNER UNIT 'D' DETAIL
Scale 1" = 1'-0"



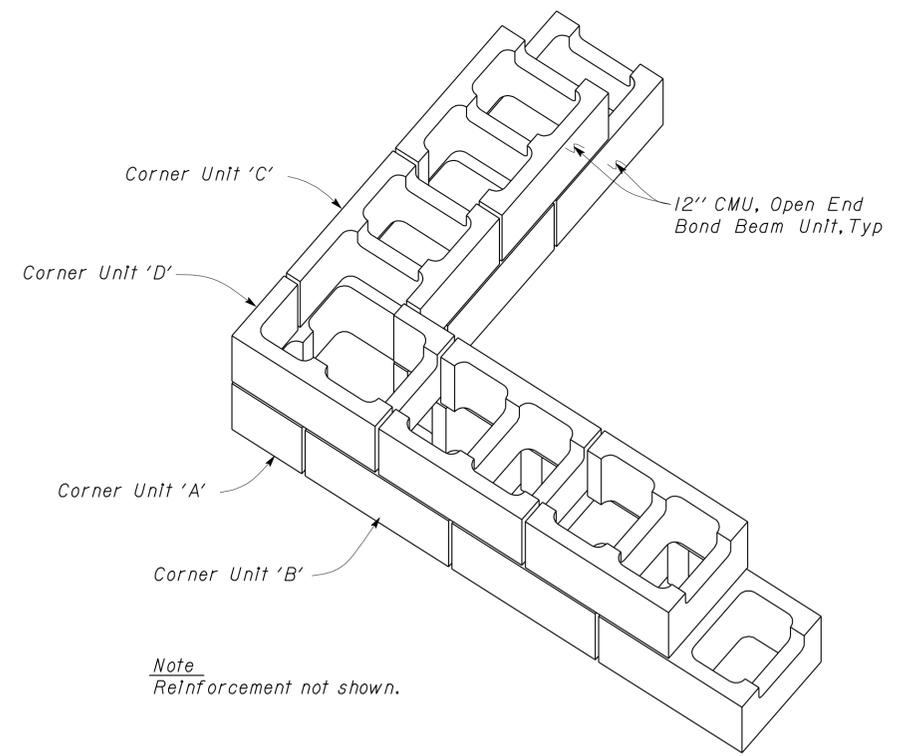
Note
Bottom Course uses Open End Standard Units.

5 12" CMU CORNER BOTTOM COURSE LAYOUT
Scale 1" = 1'-0"



Note
Alternate Course uses Open End Bond Beam Units.

6 12" CMU CORNER ALTERNATE COURSE LAYOUT
Scale 1" = 1'-0"



Note
Reinforcement not shown.

7 ISOMETRIC VIEW OF CORNER DETAIL
No Scale

12" CMU

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JPOE
CMU CORNER LAYOUT AND DETAILS

SHEET **ST-4C** OF

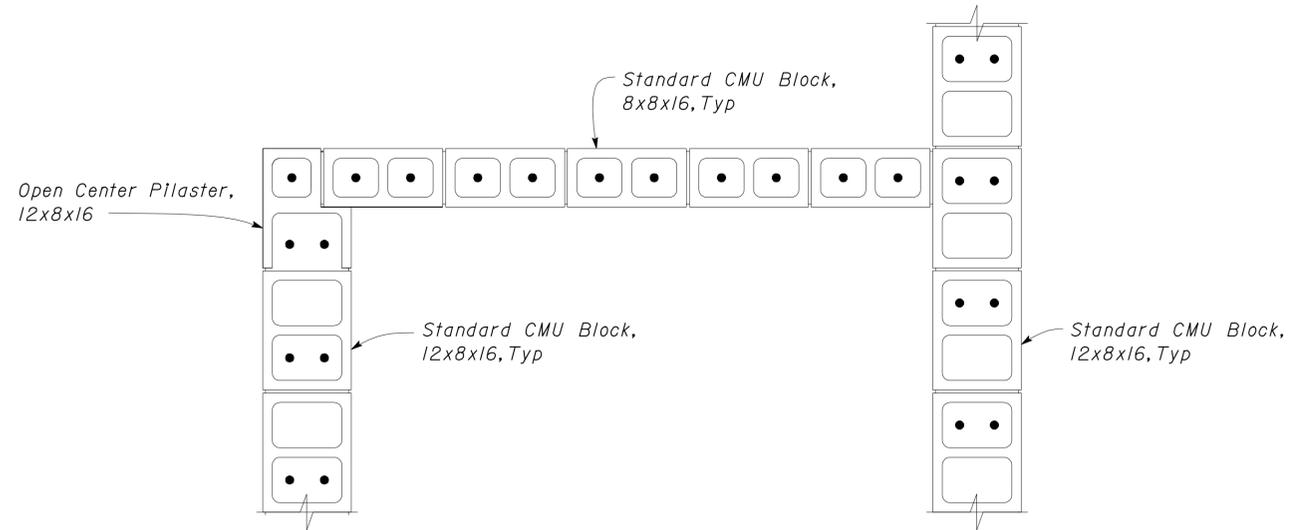
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	437	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE

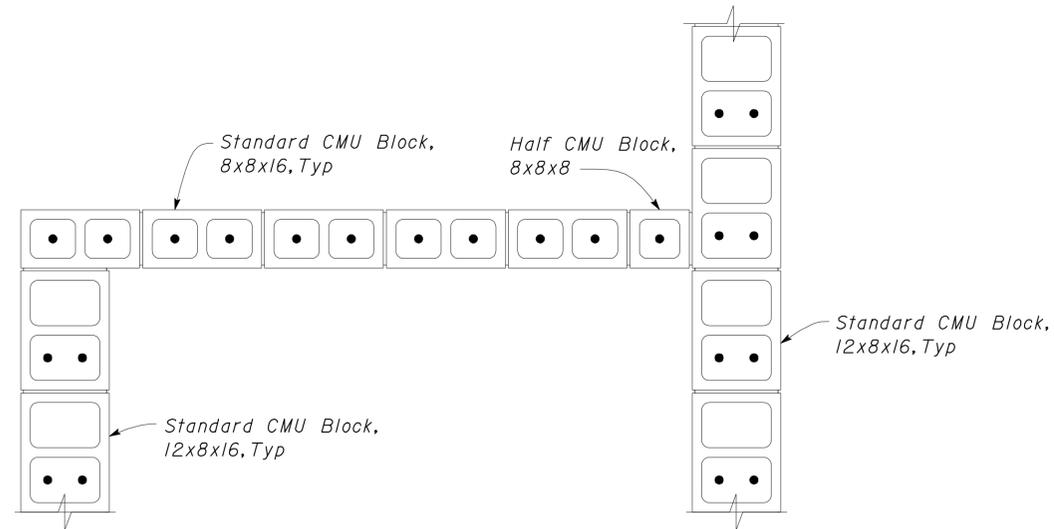


2-25-13
PLANS APPROVAL DATE

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1 LAYOUT, ALTERNATE COURSE AND VERTICAL REINFORCING
Scale 1" = 1' - 0"



2 LAYOUT, ALTERNATE COURSE AND VERTICAL REINFORCING
Scale 1" = 1' - 0"

12' CMU

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

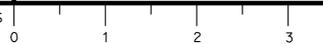
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
CONCRETE MASONRY UNIT DETAILS

SHEET ST-4D OF

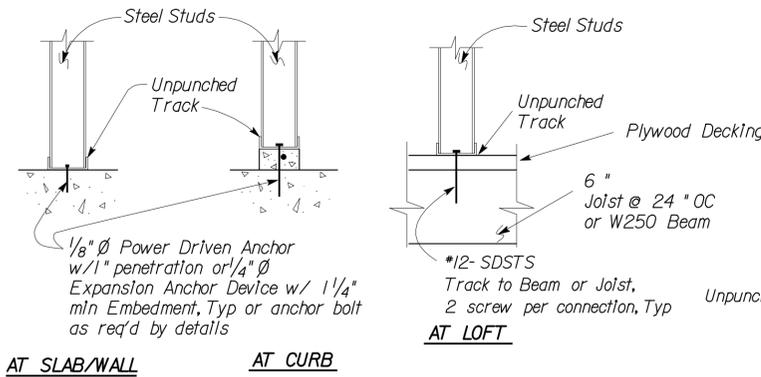


REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
03-11-10	11-01-12	12-11-12	

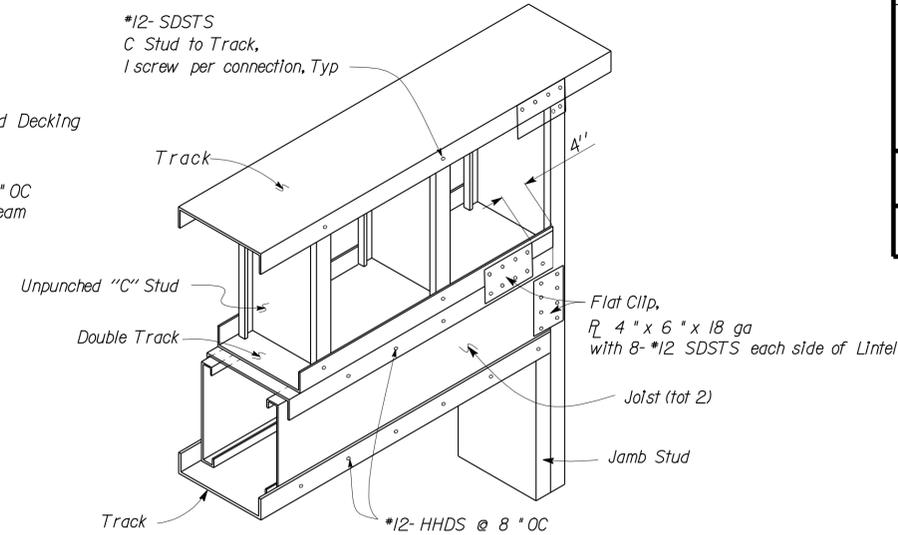
COLD FORMED STEEL SECTIONS

LOCATION	ITEM	SECTION
Walls	Stud	600S200-54
	Track	600T150-54
	Blocking	600T150-54
Ceiling	Jolst	1200S200-68
	Track	1200T150-68
	Blocking	1200T150-68

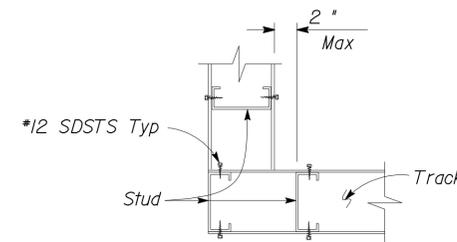
- NOTES**
- Section designations shall conform to the Metal Stud Manufacturer's Association publication dated June 1992.
 - Framing screws shall be #10 x 5/8" Modified Truss Head
 - All screws to be ICC approved.
 - Studs shall not be spliced.



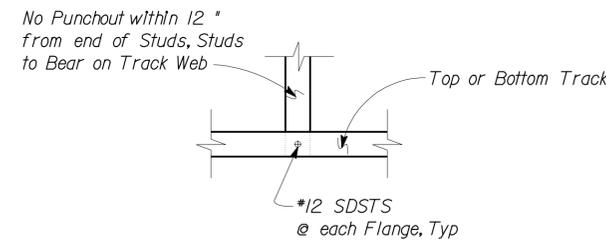
3 BOTTOM TRACK DETAIL
No Scale



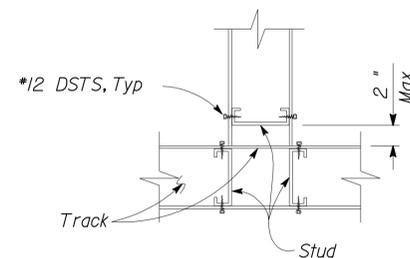
7 LINTEL DETAIL
No Scale



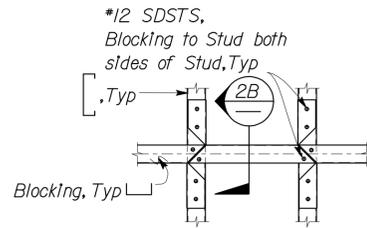
4 CORNER
No Scale



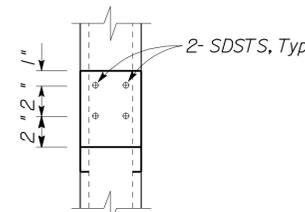
5 BOTTOM/TOP TRACK DETAIL
No Scale



6 INTERSECTION
No Scale



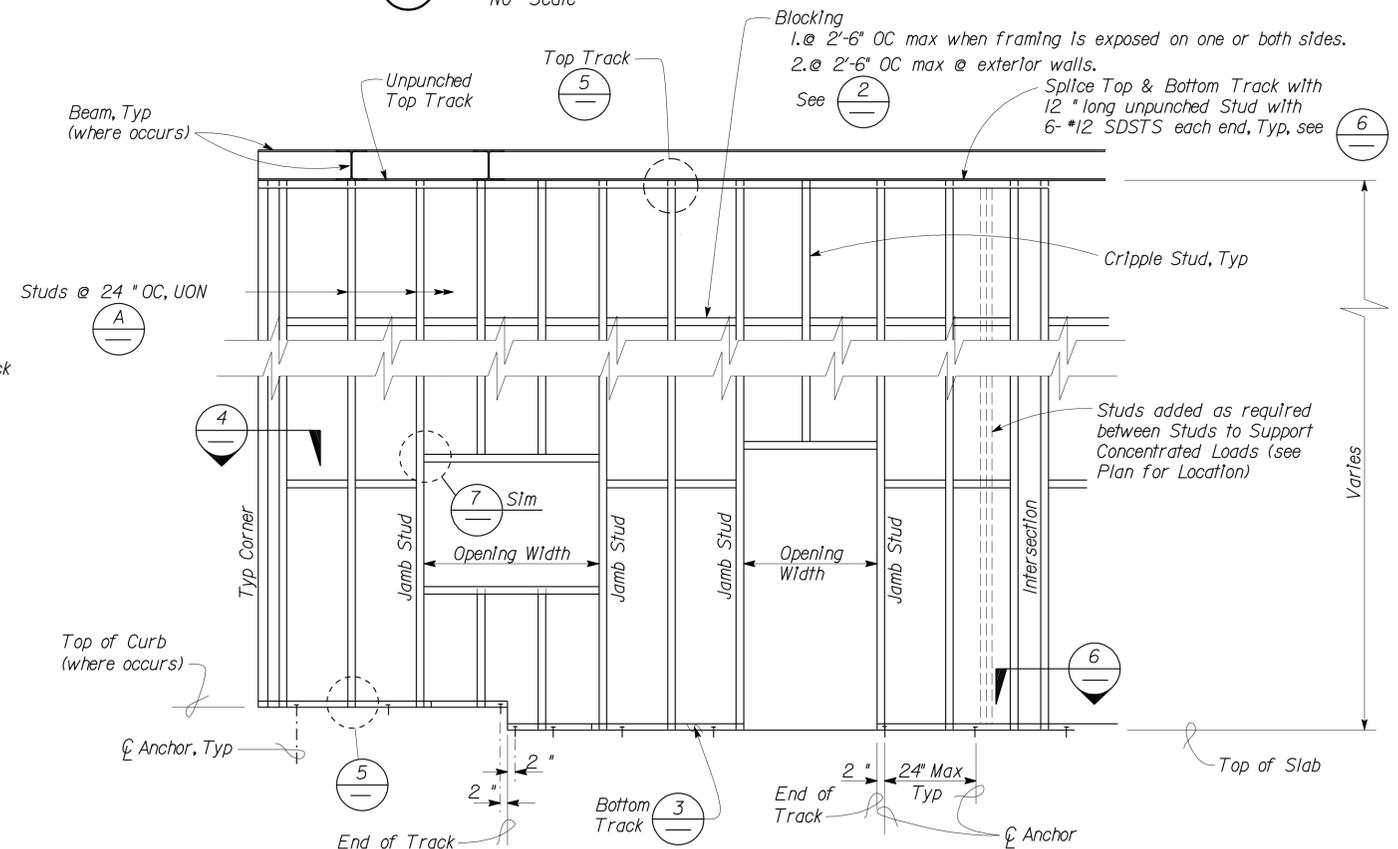
2A ELEVATION



2B SECTION

NOTE:
Use a piece of Track or Stud as Blocking, Cut Flanges of Track and bend Web.

2 BLOCKING DETAIL
No Scale



8 BEARING PARTITION WALL FRAMING
No Scale

DESIGN	BY Sherwin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 54-1216J
 POST MILE 177.3/181.1
MOUNTAIN PASS JOE
 COLD FORM STEEL
 USEFUL INFORMATION AND DETAILS

SHEET ST-5A
 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	439	710

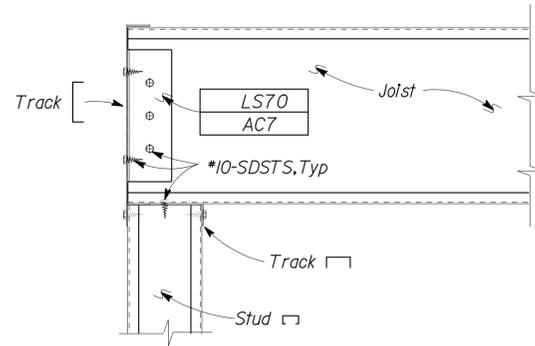
Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

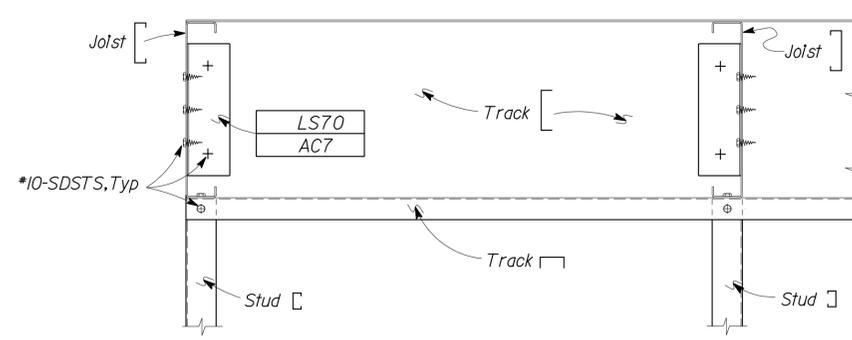
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Detail Removed

1 No Scale



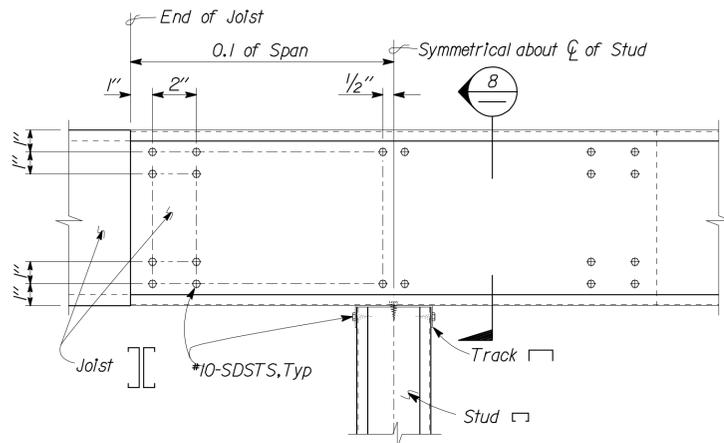
4 JOIST AT STUD CONNECTION
No Scale



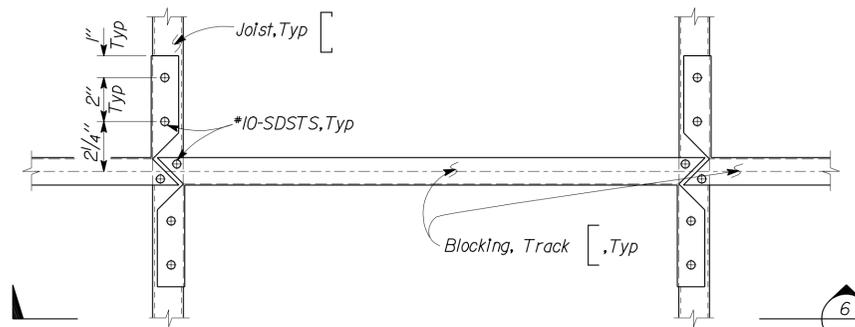
7 JOIST TRANSVERSE SECTION
No Scale

A METAL FRAMING NOTES

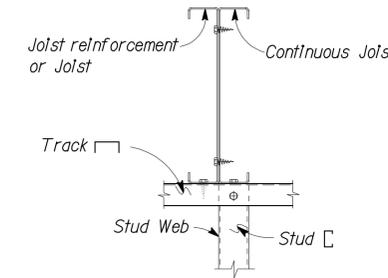
1. Splices in studs shall not be permitted.
2. Prefabricated panels shall have components attached in a manner as to prevent racking, and to minimize distortion while lifting.



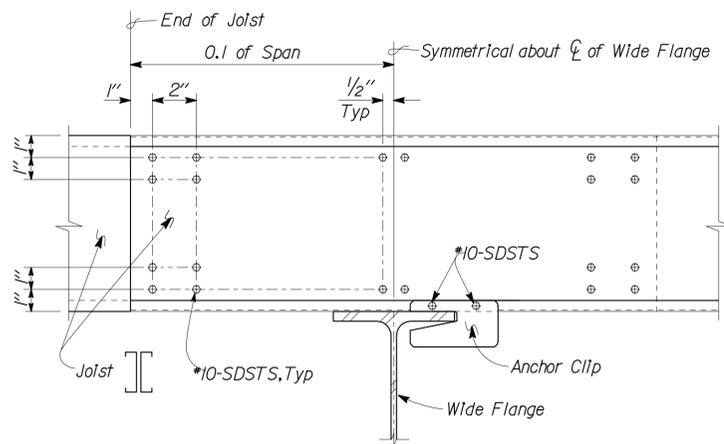
2 JOIST LAP AT STUD
No Scale



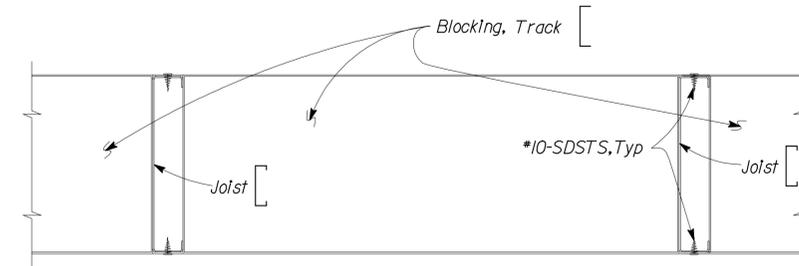
5 JOIST BLOCKING PLAN
No Scale



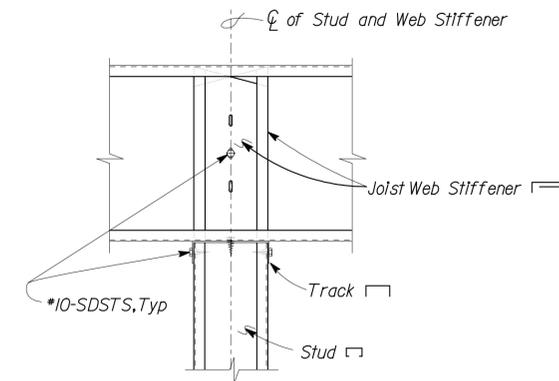
8 JOIST REINFORCEMENT SECTION
No Scale



3 JOIST LAP AT WIDE FLANGE
No Scale



6 JOIST BLOCKING ELEVATION
No Scale



9 JOIST WEB STIFFENER DETAIL
No Scale

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
COLD FORM STEEL
WALL AND CEILING FRAMING

SHEET **ST-5B**



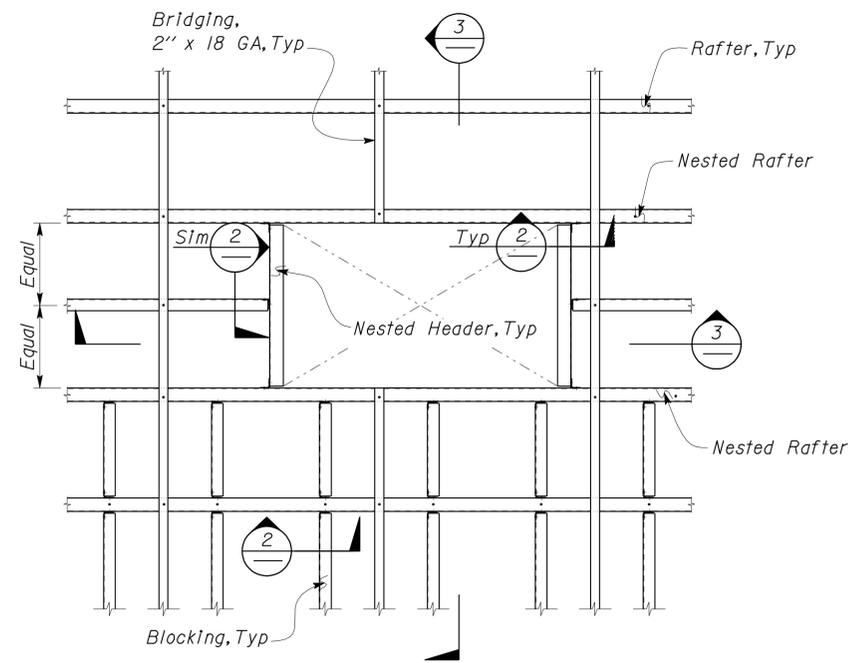
REVISION DATES (PRELIMINARY STAGE ONLY)	03-11-10	11-01-12	12-11-12
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	440	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

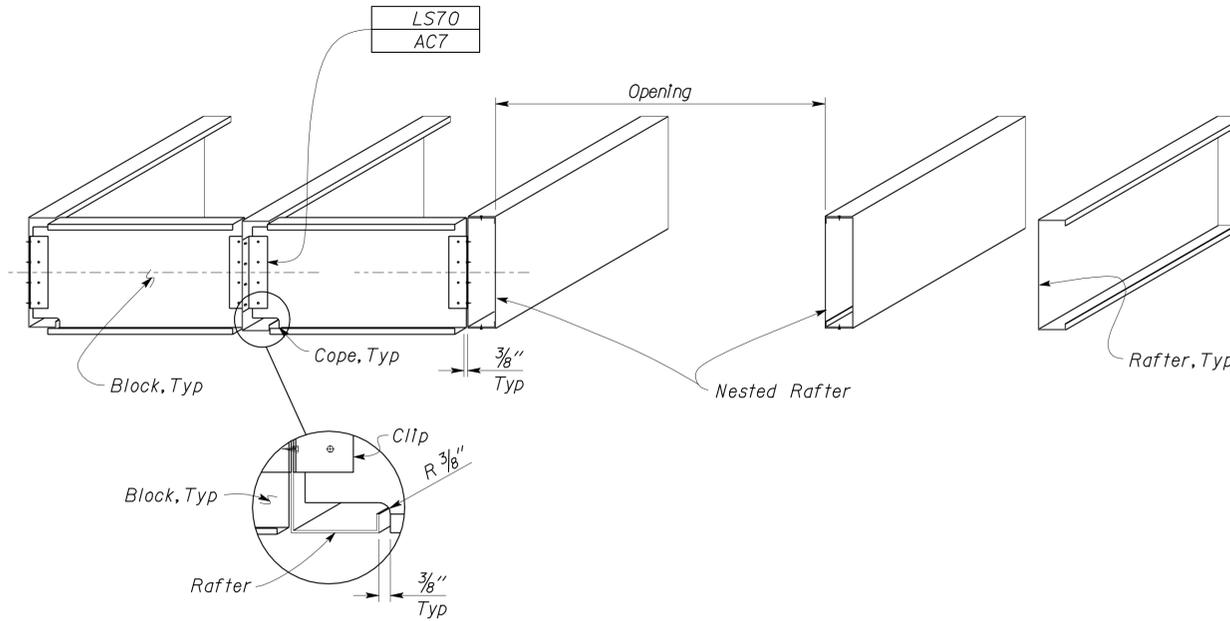
2-25-13
 PLANS APPROVAL DATE

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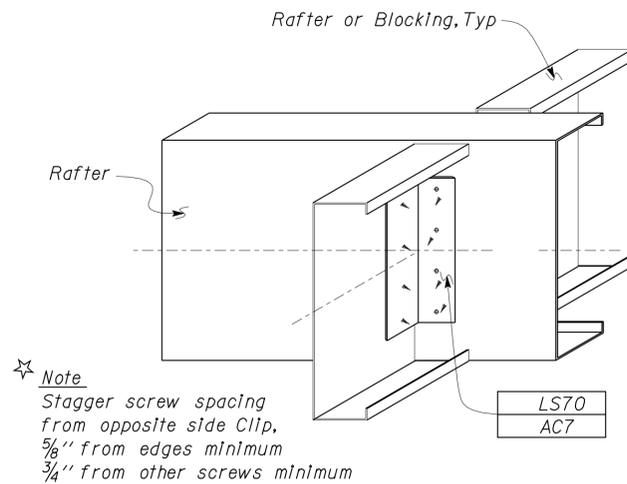


Note
Ceiling SPS not shown

1 COLD-FORM STEEL CEILING OPENING
No Scale



3 CEILING BLOCKING DETAIL
No Scale



☆ Note
Stagger screw spacing
from opposite side clip,
5/8\"/>

2 CEILING CONNECTION DETAIL
No Scale

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

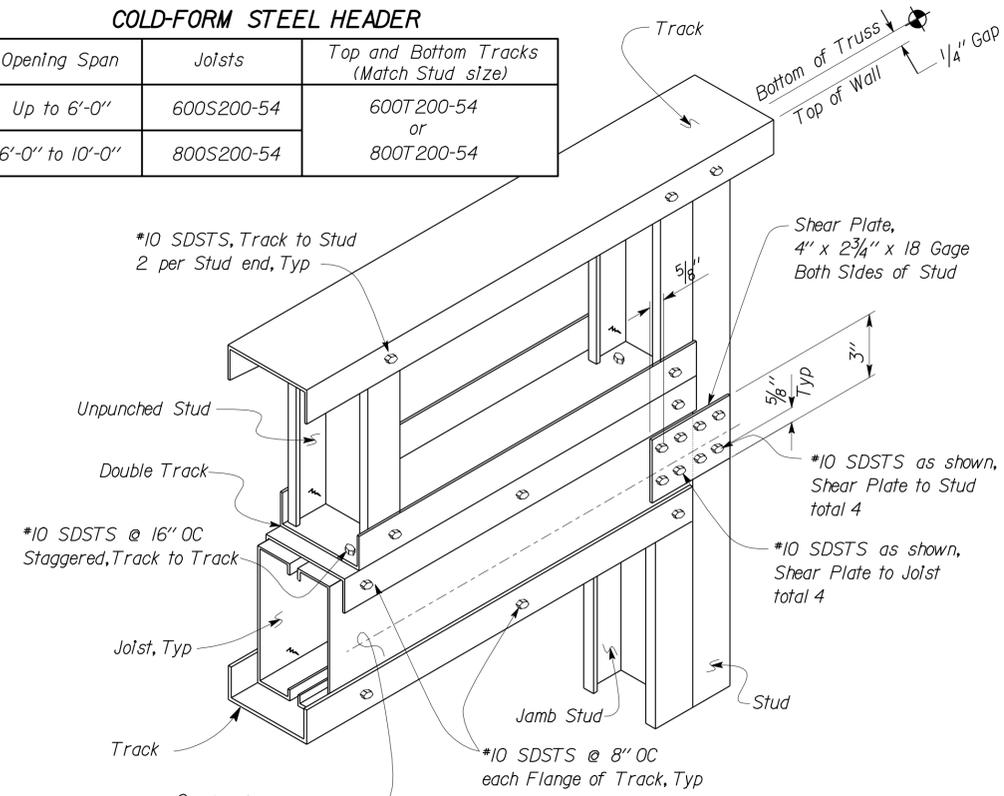
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
COLD FORM STEEL
CEILING OPENING DETAILS

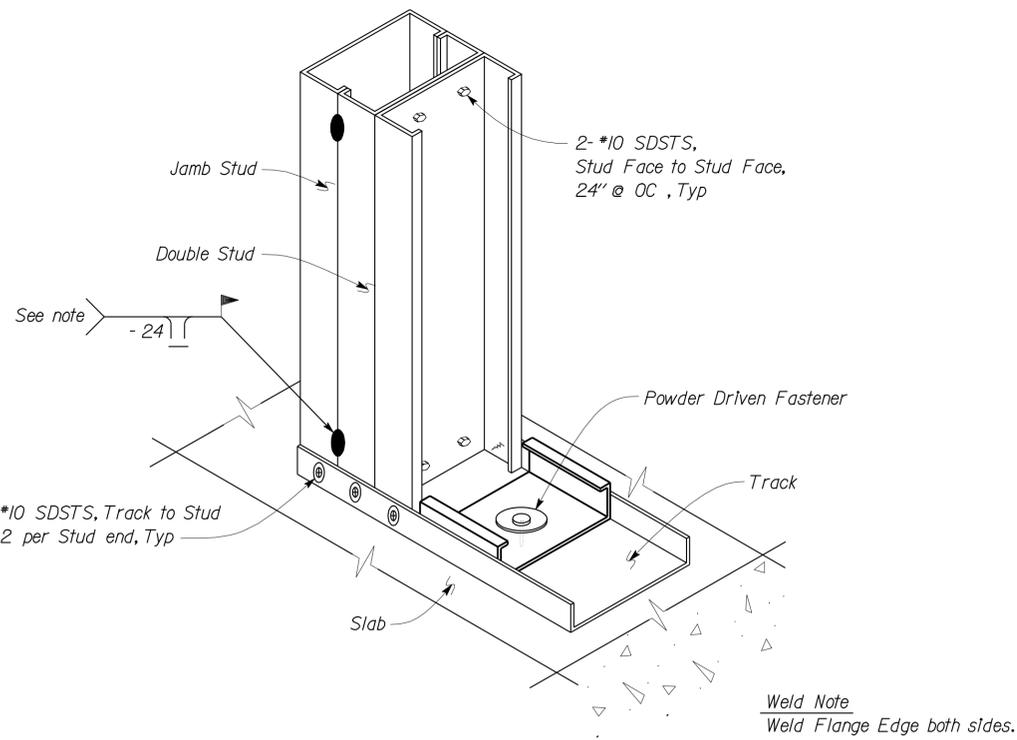
SHEET ST-5C

COLD-FORM STEEL HEADER

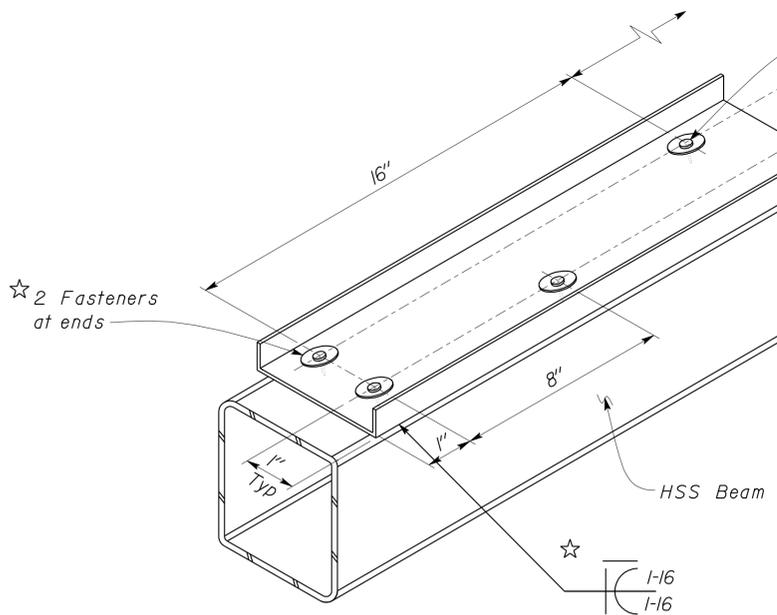
Opening Span	Jolsts	Top and Bottom Tracks (Match Stud size)
Up to 6'-0"	600S200-54	600T200-54 or 800T200-54
6'-0" to 10'-0"	800S200-54	800T200-54



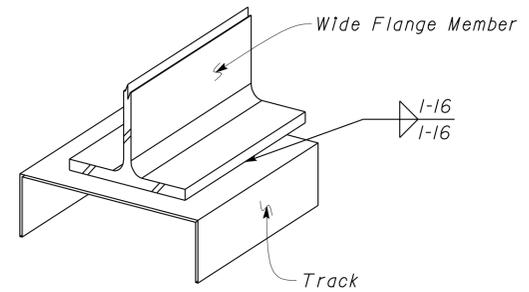
1 PARTITION LINTEL DETAIL
No Scale



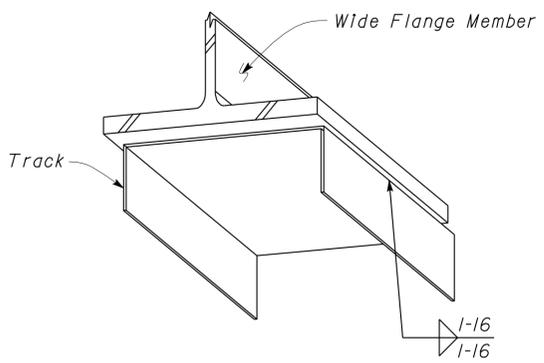
2 DOUBLE STUD WITH JAMB STUD DETAIL
No Scale



HSS BEAM DETAIL

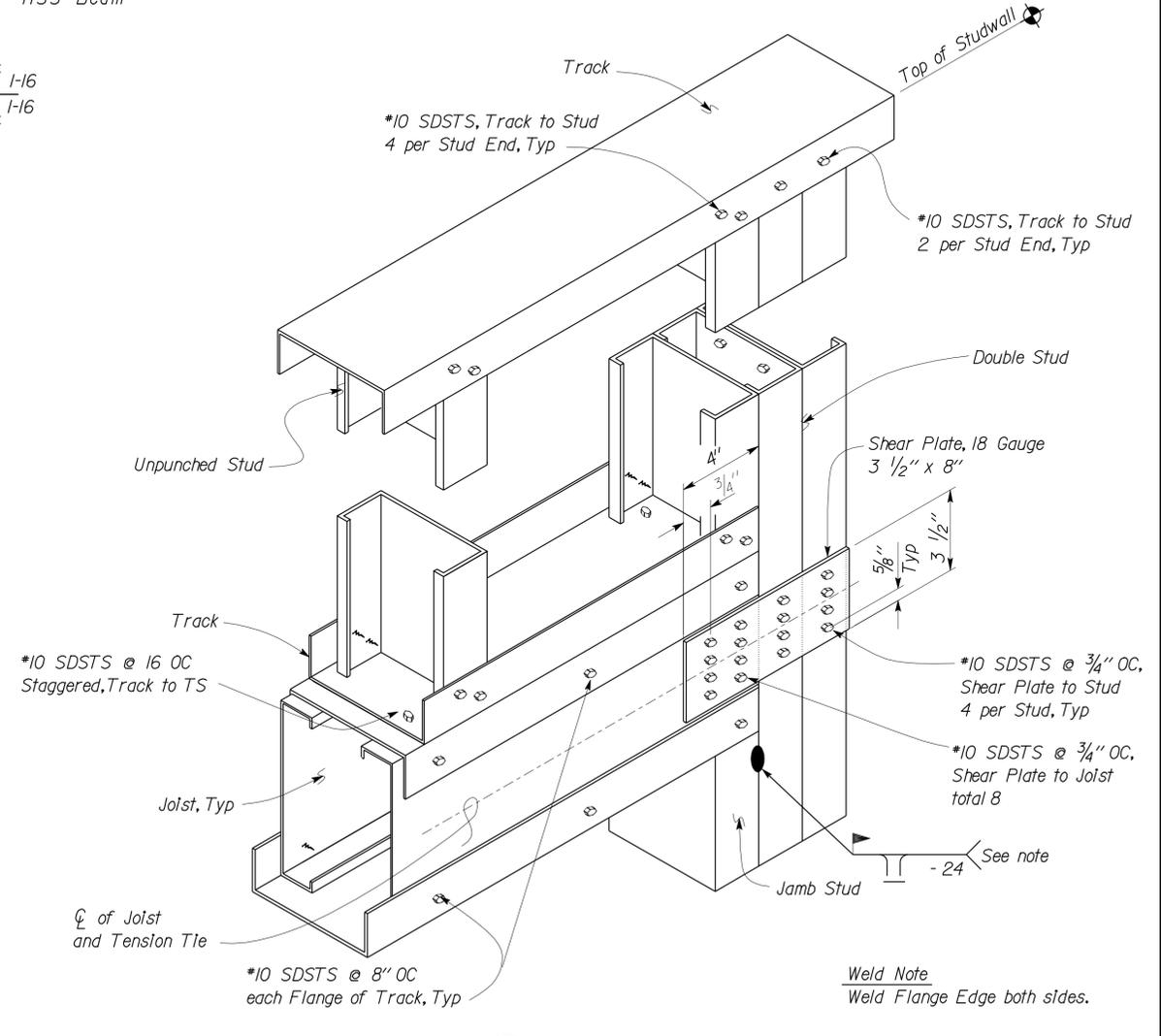
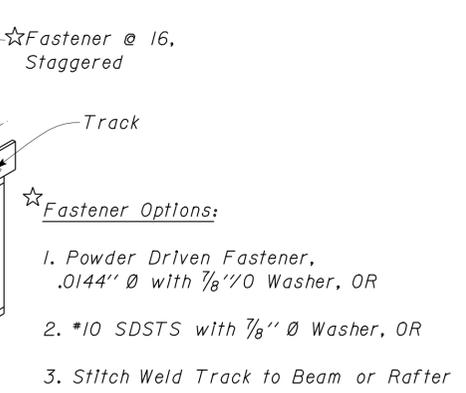


NARROW FLANGE DETAIL



WIDE FLANGE DETAIL

3 TRACK TO HSS BEAM OR FLANGE MEMBER
No Scale



4 BEARING/SHEAR WALL LINTEL DETAIL
No Scale

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	441	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J	MOUNTAIN PASS JOE	SHEET ST-5D
POST MILE	177.3/181.1		
COLD FORM STEEL STUD WALL DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)	
DISREGARD PRINTS BEARING EARLIER REVISION DATES		03-11-10 11-01-12 12-11-12	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE 3599 08000006281

EA 368501

SHEET OF

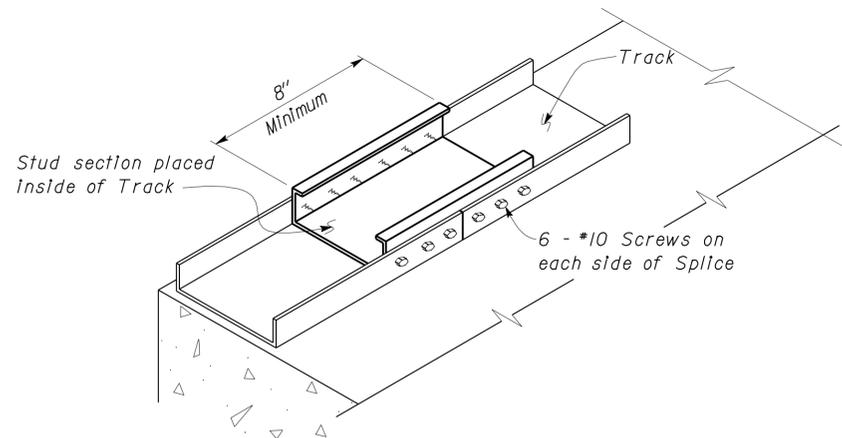
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	442	710

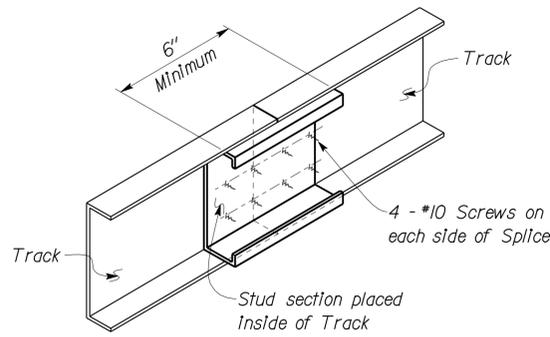
Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

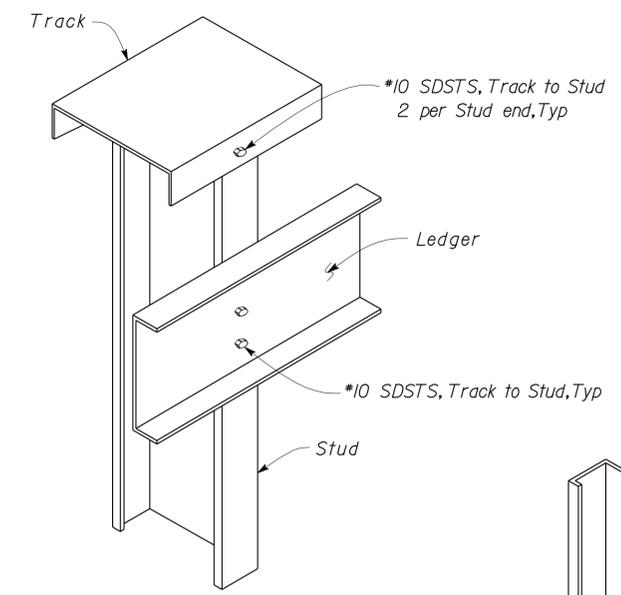
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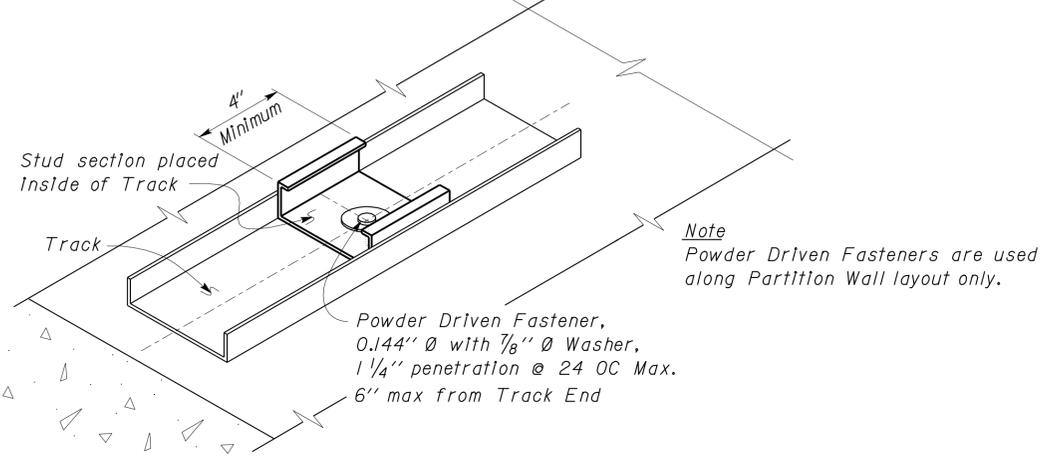
1 FLOOR TRACK SPLICE
No Scale



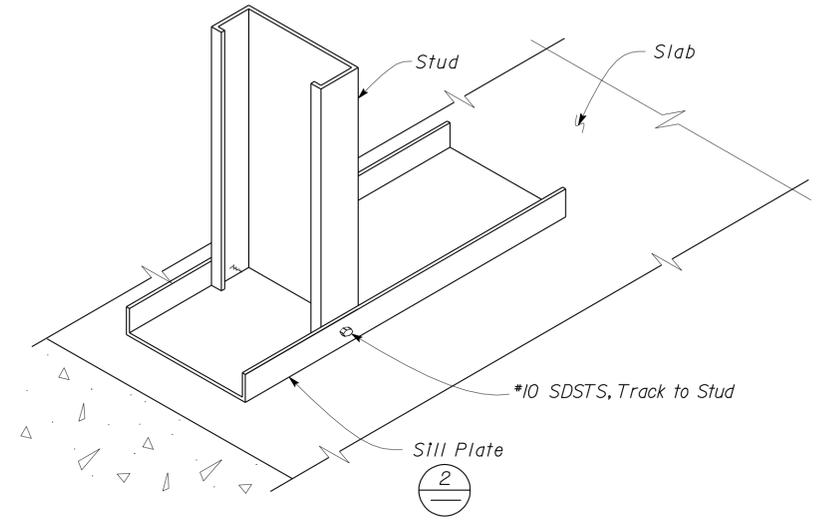
4 WALL TRACK SPLICE
No Scale



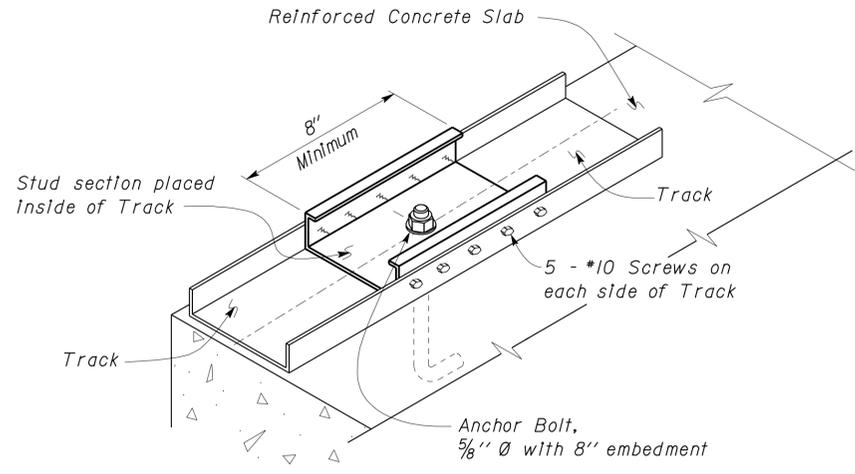
6 TOP OF WALL DETAIL
No Scale



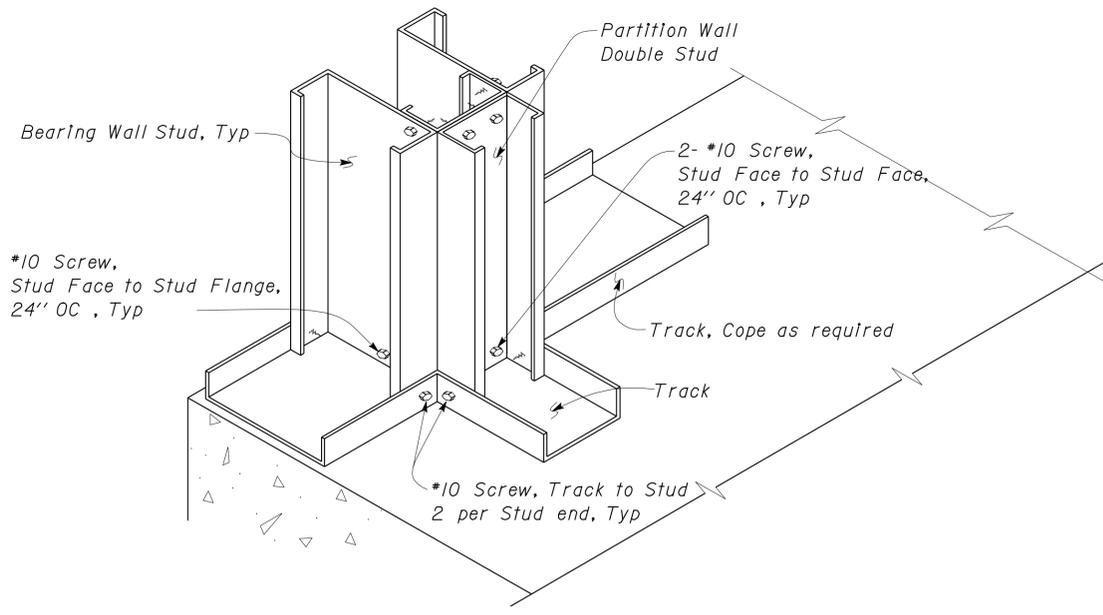
2 SILL PLATE ANCHORAGE
No Scale



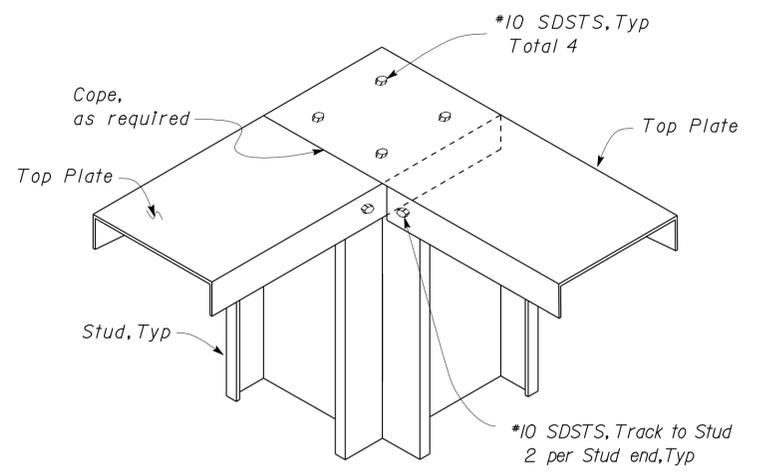
7 STUD TO SILL PLATE
No Scale



3 EXTERIOR WALL TRACK ANCHORAGE
No Scale



5 WALL INTERSECTION DETAIL
No Scale



8 TOP PLATE CONNECTION
No Scale

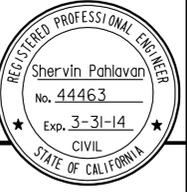
DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J	MOUNTAIN PASS JOE	SHEET ST-5E
POST MILE	177.3/181.1		
REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
03-11-10 11-01-12 12-11-12			

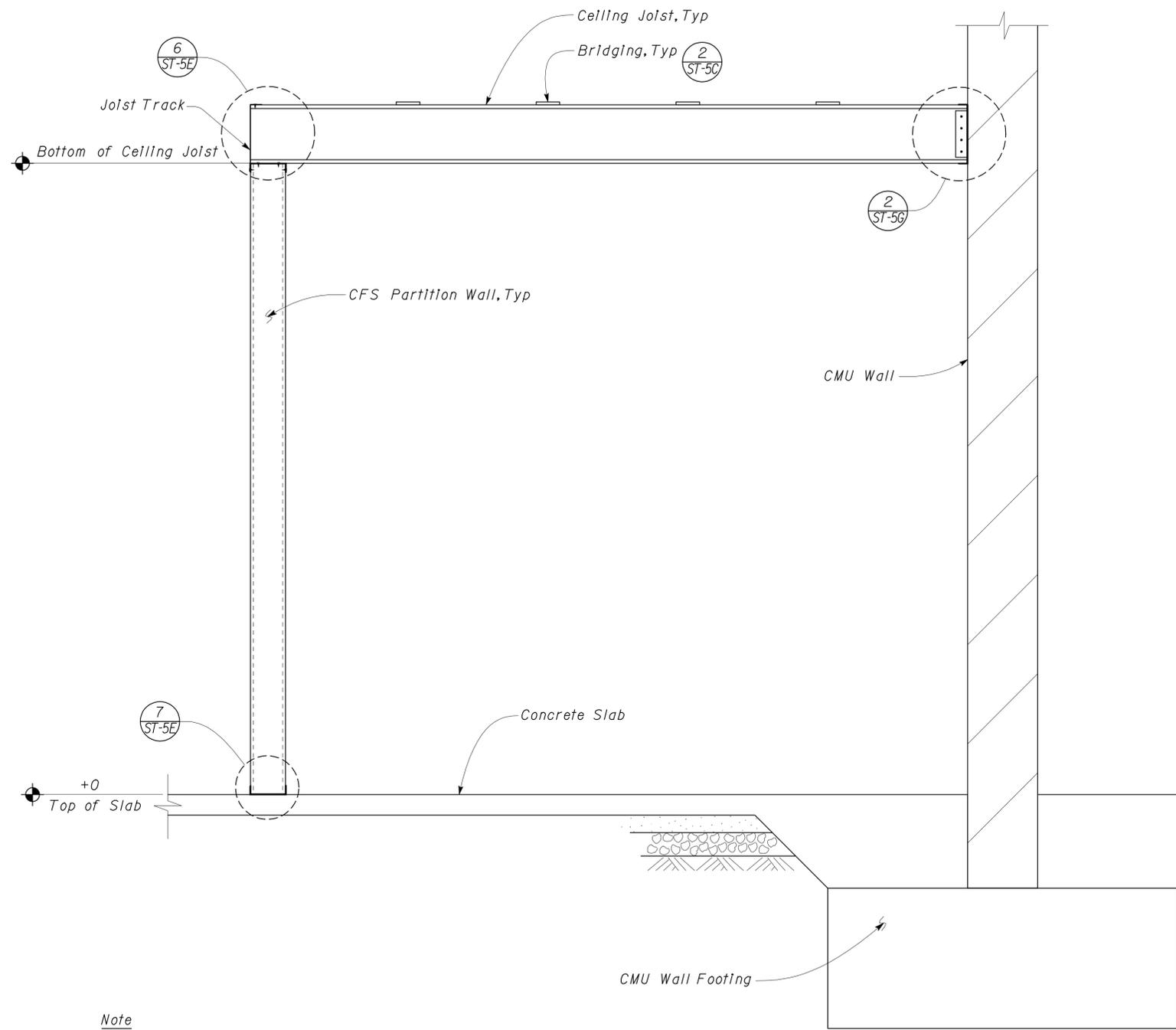
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	443	710

Sherwin Pahlavan 11-21-12
REGISTERED CIVIL ENGINEER DATE



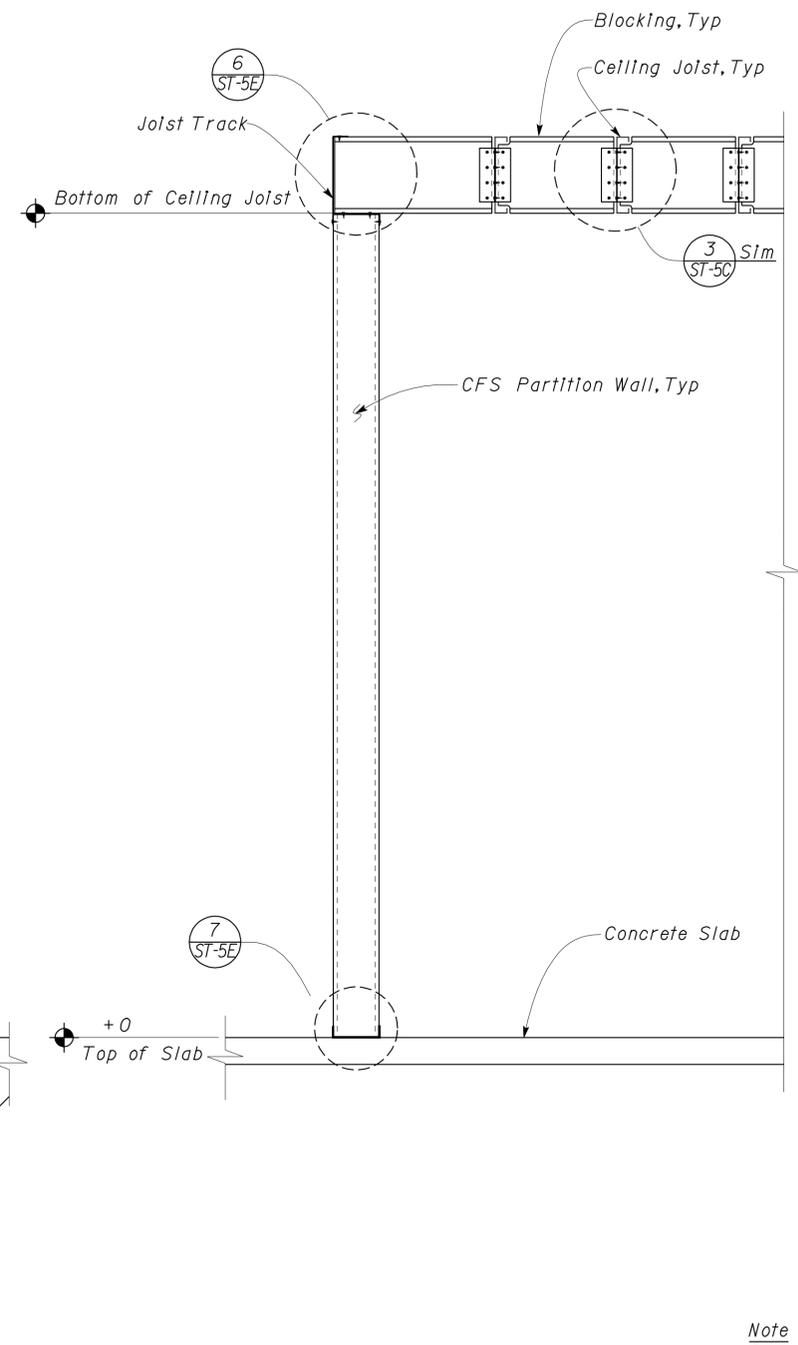
2-25-13
PLANS APPROVAL DATE

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Note
See Architectural Plans for Ceiling Joist heights.

1 CEILING JOIST TO WALLS
Scale 1" = 1'-0"



Note
See Architectural Plans for Ceiling Joist heights.

2 CEILING JOIST BLOCKING TO WALL
Scale 1" = 1'-0"

DESIGN	BY Sherwin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

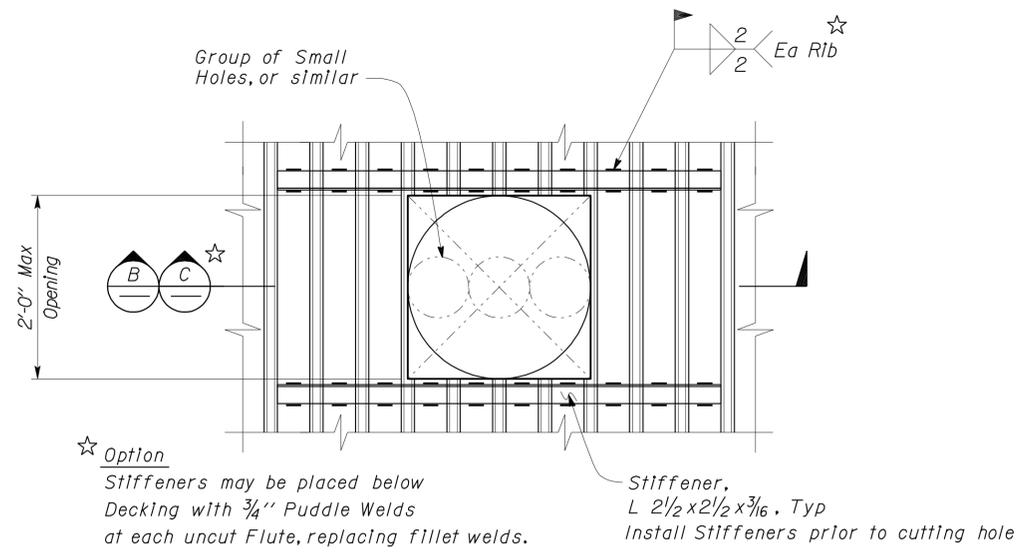
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
COLD FORM STEEL
CEILING JOIST TO WALL CONNECTIONS

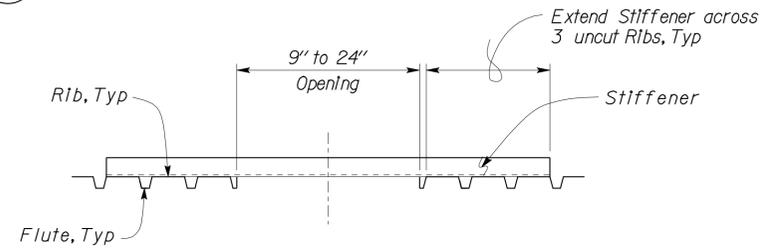
SHEET
ST-5F

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	444	710

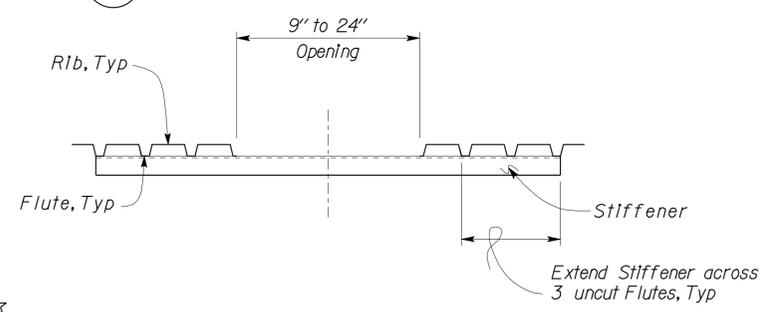
Shervin Pahlavan 11-27-12 REGISTERED CIVIL ENGINEER DATE		
2-25-13 PLANS APPROVAL DATE		
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A ROUND OR SQUARE STEEL DECK OPENING PLAN

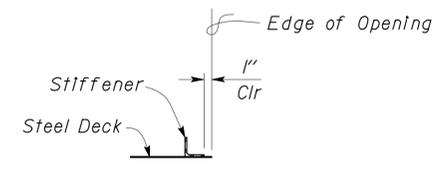


B STEEL DECK OPENING SECTION



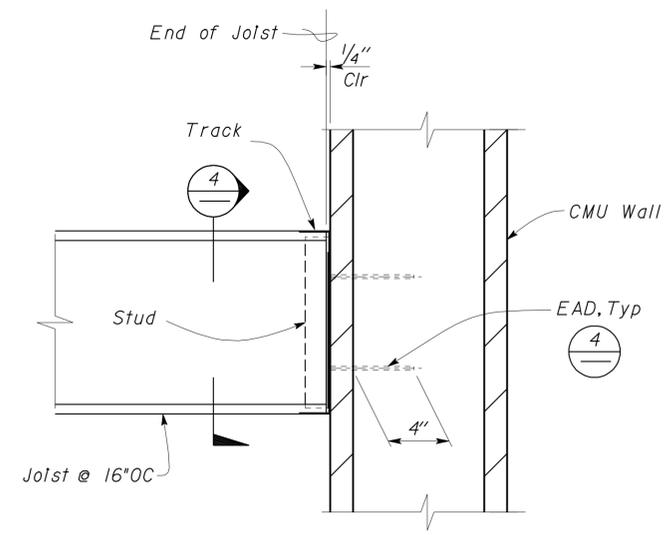
C ALTERNATE STEEL DECK OPENING SECTION

Note
Rib connection shown,
Flute connection similar.

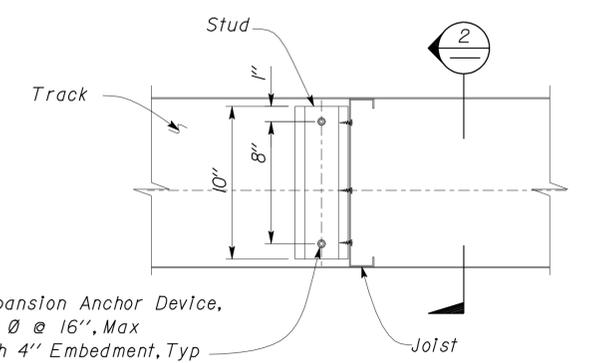


D STEEL DECK OPENING DETAIL

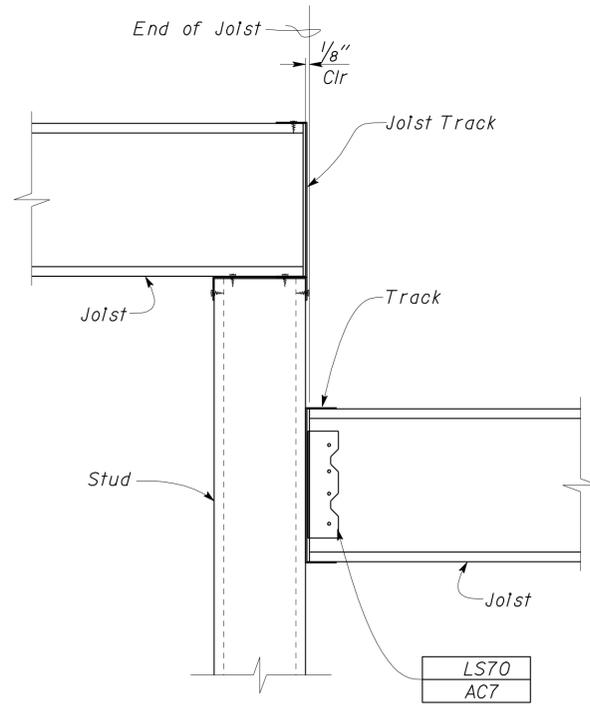
I STEEL DECK OPENING DETAIL
No Scale



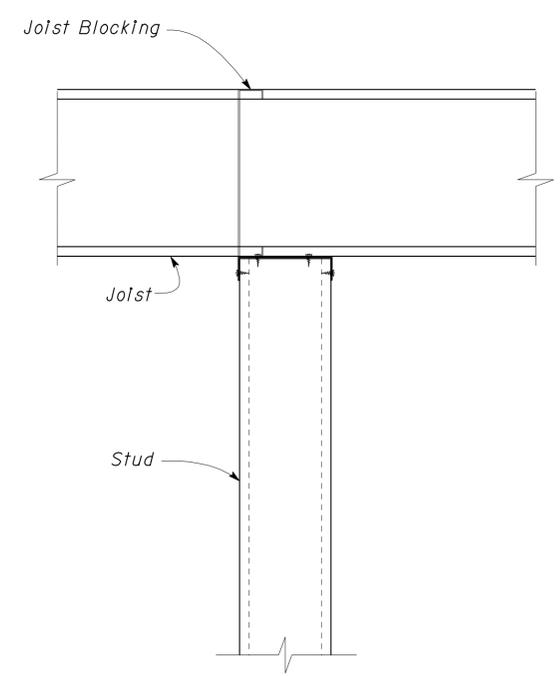
2 CEILING JOIST TO CMU WALL
Scale 2" = 1' - 0"



4 LEDGER TO CMU WALL
Scale 2" = 1' - 0"



3 CEILING JOIST TO CFS WALL
Scale 2" = 1' - 0"



5 CEILING JOIST TO CFS WALL
Scale 2" = 1' - 0"

DESIGN	BY	Shervin Pahlavan	CHECKED	Brian Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE COLD FORM STEEL CEILING JOIST TO WALL DETAILS	SHEET ST-5G
	DETAILS	BY	Andrew Lovato	CHECKED					
QUANTITIES	BY		CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3599 08000006281	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
					0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	03-11-10 11-01-12 12-11-12		

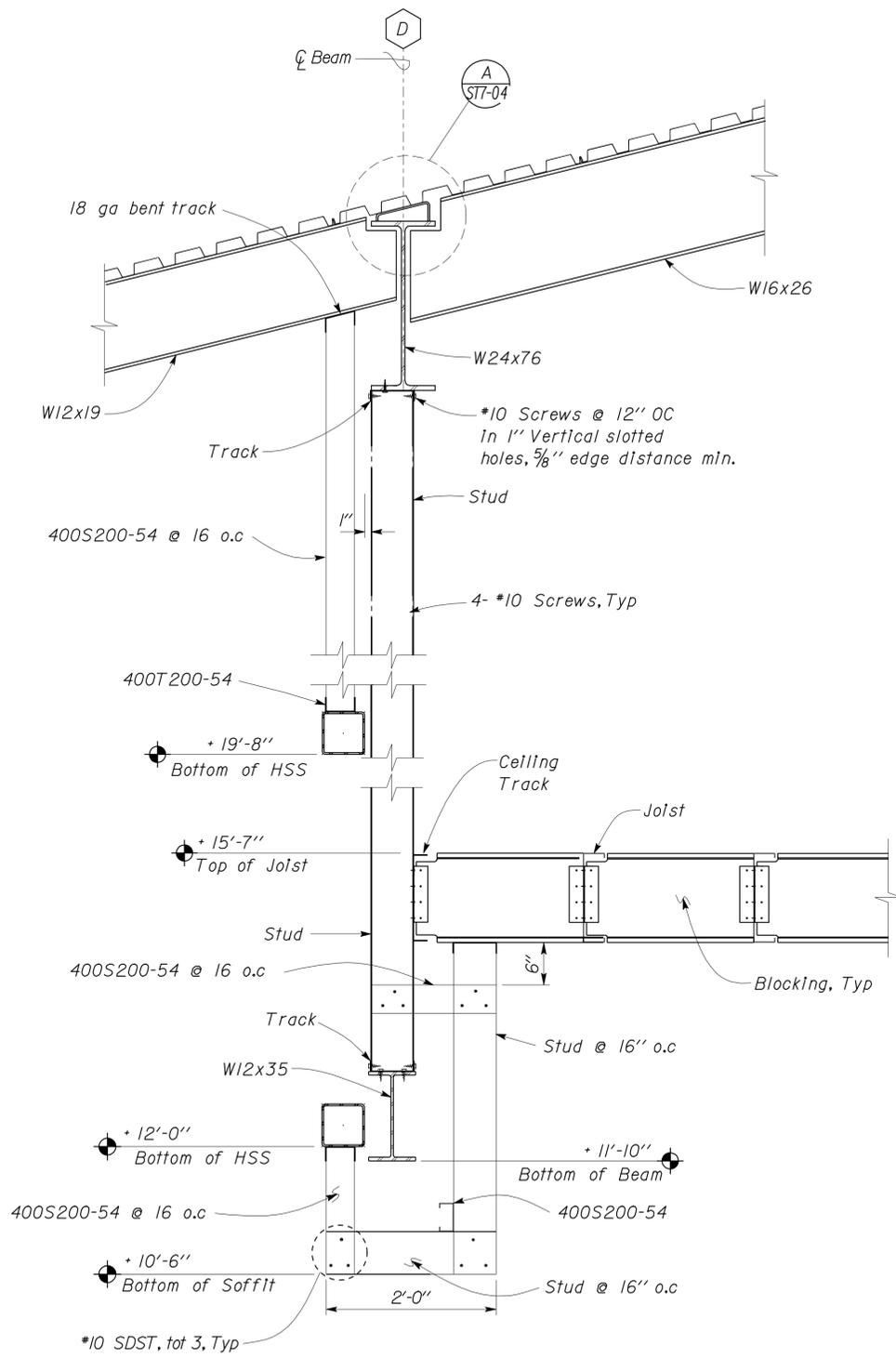
26-FEB-2013 11:05

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	445	710

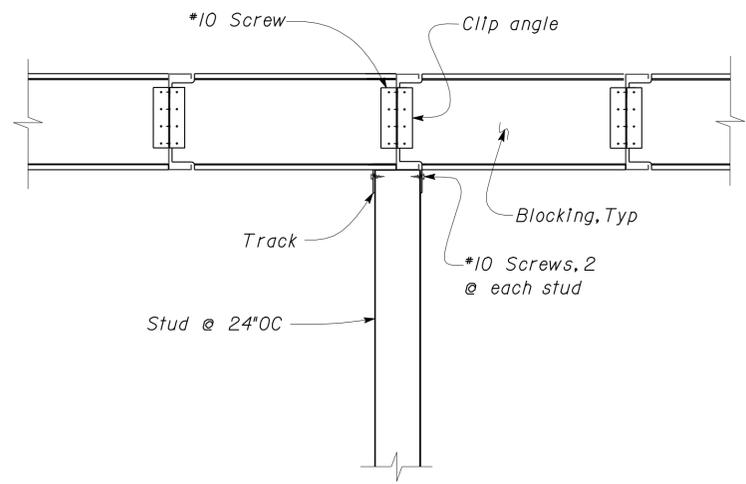
Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

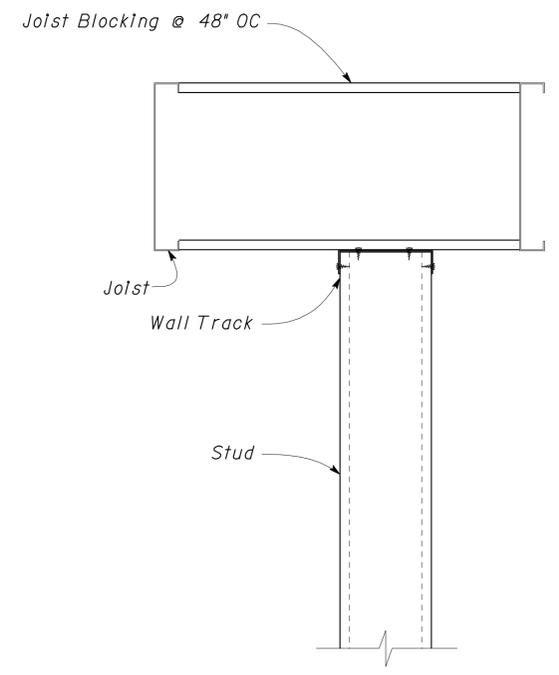
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1 INTERIOR WALL FOOTING DETAIL
Scale 1" = 1'-0"



2 INTERIOR WALL JOIST CONNECTION DETAIL
Scale 1" = 1'-0"



3 CEILING JOIST TO CFS WALL
Scale 2" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 COLD FORM STEEL FRAMING DETAILS

SHEET ST-5H

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE
 3599 08000006281

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
03-11-10 11-01-12 12-11-12	

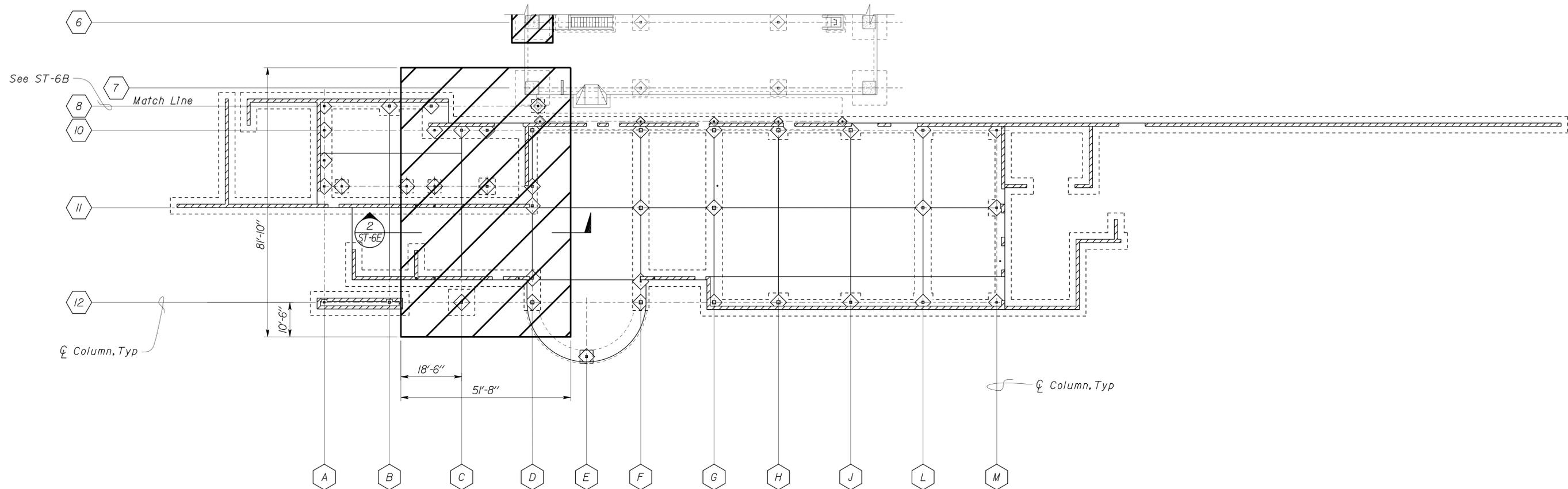
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	446	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
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 STRUCTURAL EXCAVATION LIMITS
Scale 1/16" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JPOE
STRUCTURAL EXCAVATION LIMITS

SHEET
ST-6A



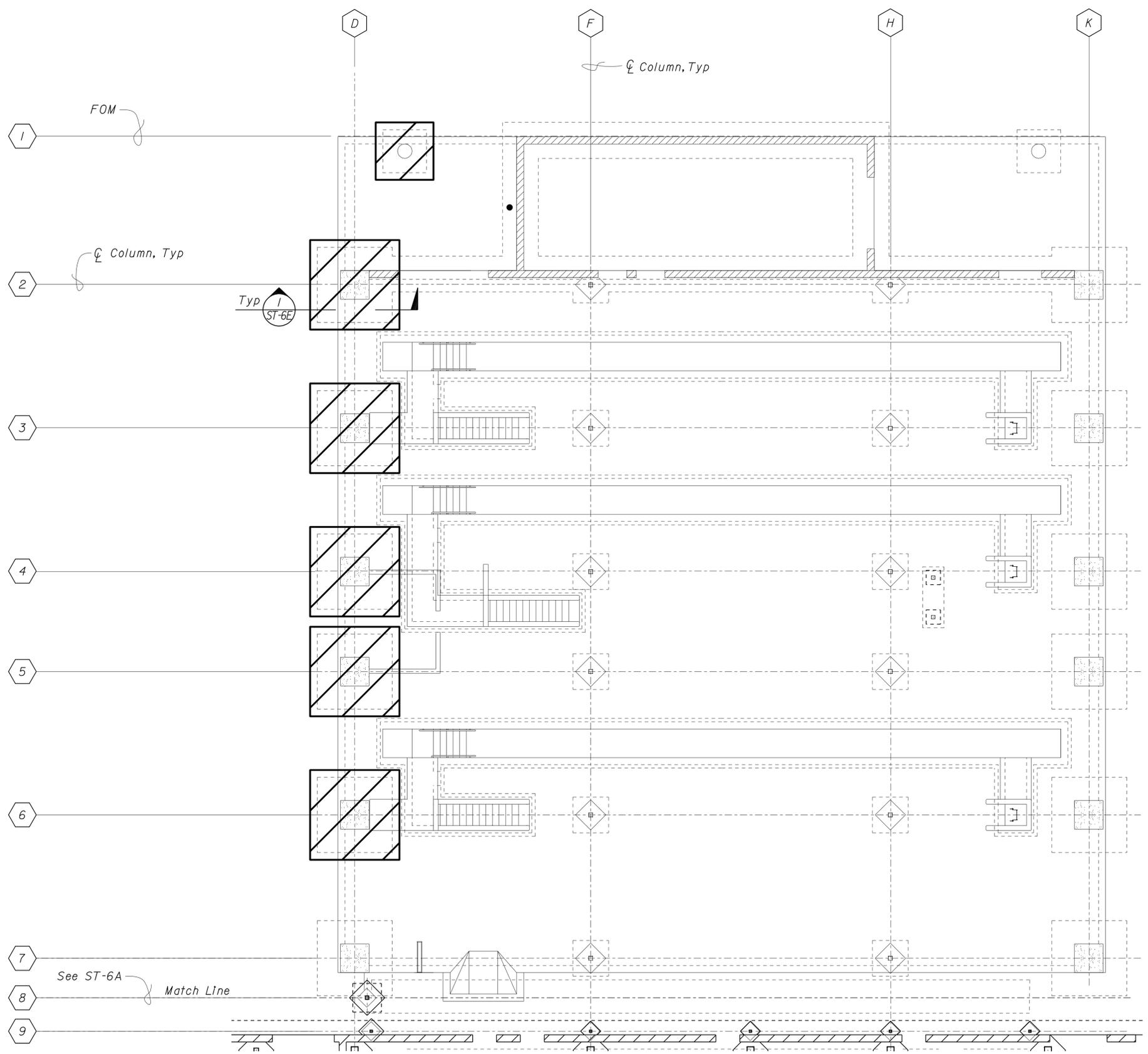
REVISION DATES (PRELIMINARY STAGE ONLY)	
07-18-10	12-11-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	447	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE

2-25-13
 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 STRUCTURAL EXCAVATION LIMITS
 Scale 1/8" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

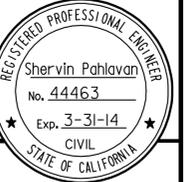
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 STRUCTURAL EXCAVATION LIMITS

SHEET
ST-6B

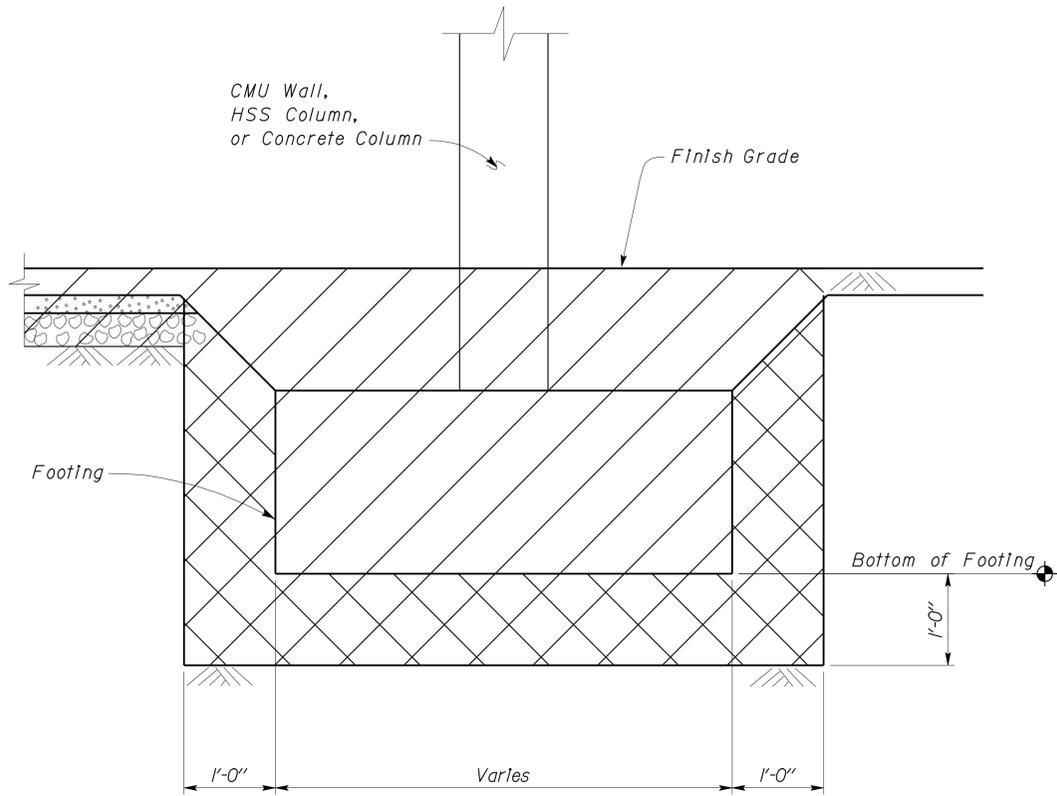
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	448	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

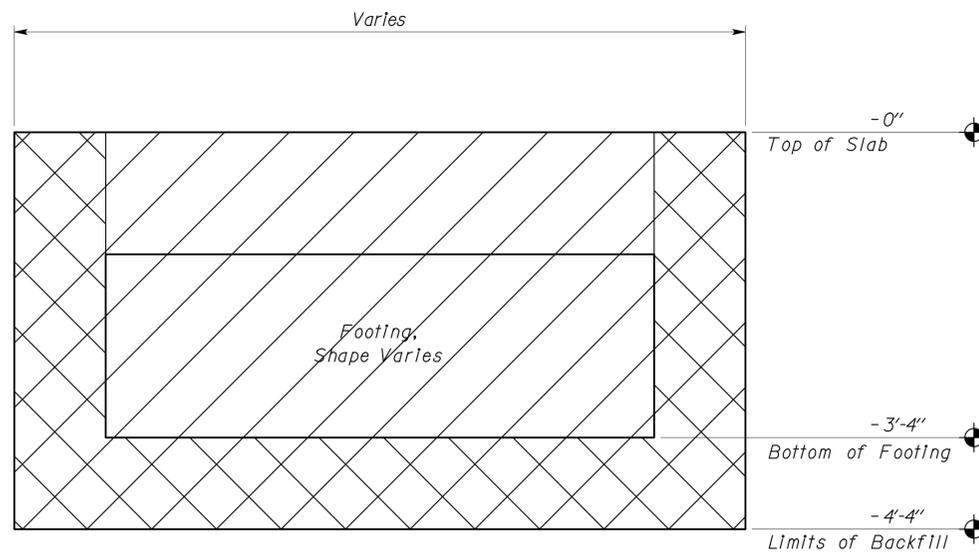
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



LEGEND

Structure Excavation	
Structure Backfill	

1 STRUCTURE EXCAVATION AND STRUCTURE BACKFILL DETAIL
No Scale



2 STRUCTURE EXCAVATION AND STRUCTURE BACKFILL DETAIL
No Scale

DESIGN	BY Shervin Pahlavan	CHECKED Brian Sutliff
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
STRUCTURAL EXCAVATION AND BACKFILL DETAILS

SHEET ST-6E



REVISION DATES (PRELIMINARY STAGE ONLY)	
03-11-10	11-01-12
12-11-12	

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2007 California Building Code (2006 IBC).

LOADS

SEISMIC: Occupancy Factor = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.356$ $S_{DS} = 0.360$
 $S_I = 0.174$ $S_{DI} = 0.245$

Seismic Design Category = D
Seismic Force-Resisting System:
 Building Frame System
North - South
 Ordinary steel concentrically braced frames.
 $R = 3.25$ $C_S = 0.1110$

Building Frame System
East - West
 Ordinary steel concentrically braced frames.
 $R = 3.25$ $C_S = 0.1110$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C
 Internal Pressure Coefficient $GC_{PI} = \pm 0.18$
 Wind Pressure on Components and Cladding = 22 psf

LIVE LOAD: Roof = 20 psf

MATERIALS

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

FOUNDATION:
 Soils report dated: Jun 26, 2002
 Allowable Soil Pressure (DL + LL) = 2,000 psf
 For Soil Classification, see Log of Test Borings Sheets.

REINFORCED CONCRETE MASONRY UNITS:
 (Allowable Stress Design):
 $f'_m = 1,500$ psi
 $f_y = 60,000$ psi

STRUCTURAL STEEL: (Allowable Strength Design):
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ 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 Timber and Sawn Lumber see:
 "Wood Framing Standard - Notes"
 "Wood Framing Standard - Details"
- For Concrete see:
 "Concrete Standard"
- For Masonry see:
 "Concrete Masonry Unit Standard"
- All bolts shall be hex head A325 High Strength Bolts, unless otherwise noted.
- All miscellaneous metal shall be hot-dipped galvanized after fabrication.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	449	710


 Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 2-25-13
 PLANS APPROVAL DATE

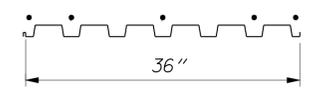
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

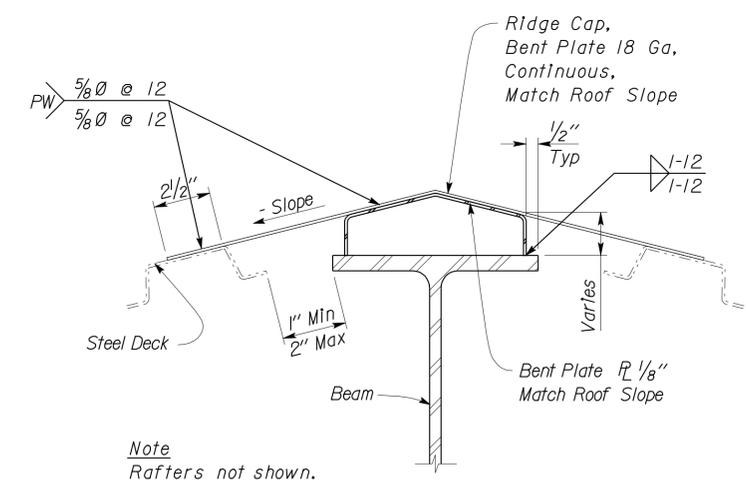
STEEL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Steel Decking	1/2" x 18 Ga	0.292 in ⁴ /ft	0.318 in ³ /ft	0.327 in ³ /ft	33 Ksi

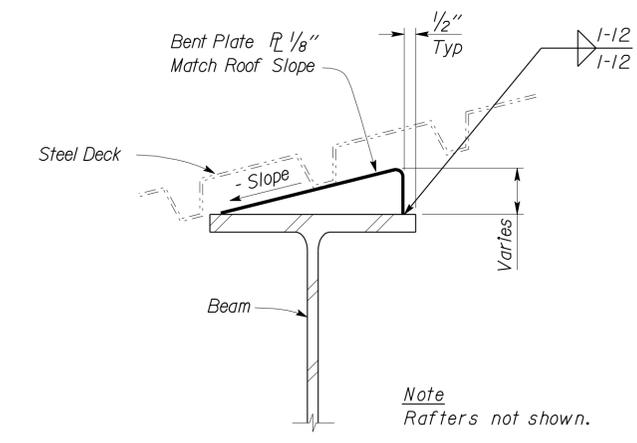
Note
 Minimum 3 Span Condition

WELDING SCHEDULE and STEEL DECK PROFILE

Steel Deck Profile	X" Diameter Puddle Weld			Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	5 - Puddle Welds Per Support	10" OC	10" OC	650 lb/ft



RIDGE CAP SUPPORT DETAIL



STEEL DECK SUPPORT DETAIL

A STEEL DECK NOTES AND DETAILS
 No Scale

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-0A
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	UNIT 3599	PROJECT NUMBER & PHASE 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 03-26-09 10-30-12 12-10-12	SHEET OF
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 368501	D:\user\Projects\A Expedite Process Folder\st7_000A.dgn		

26-FEB-2013 11:05

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2007 California Building Code (2006 IBC).

LOADS

SEISMIC: Occupancy Factor = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.356$ $S_{DS} = 0.360$
 $S_I = 0.174$ $S_{DI} = 0.245$

Seismic Design Category = D

Seismic Force-Resisting System:

North - South

$R = 3.25$ $C_S = 0.1110$

East - West

$R = 3.25$ $C_S = 0.1110$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C
 Internal Pressure Coefficient $GC_{pf} = \pm 0.18$
 Wind Pressure on Components and Cladding = 22 psf

LIVE LOAD: Roof = 20 psf

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):

$f'_c = 3,000$ psi
 $f_y = 60,000$ psi

FOUNDATION:

Soils report dated : Jun 26, 2002
 Allowable Soil Pressure (DL + LL) : = 2,000 psf
 For Soil Classification, see Log of Test Borings Sheets.

REINFORCED CONCRETE MASONRY UNITS:

(Allowable Stress Design):
 $f'_m = 1,500$ psi
 $f_y = 60,000$ psi

SPECIAL INSPECTION NOT REQUIRED

STRUCTURAL STEEL: (Allowable Strength Design):

Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ 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 Timber and Sawn Lumber see:
 "Wood Framing Standard - Notes"
 "Wood Framing Standard - Details"
- For Concrete see:
 "Concrete Standard"
- For Masonry see:
 "Concrete Masonry Unit Standard"
- All bolts shall be hex head A325 High Strength Bolts, unless otherwise noted.
- All miscellaneous metal shall be hot-dipped galvanized after fabrication.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	450	710



 Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE

2-25-13
 PLANS APPROVAL DATE

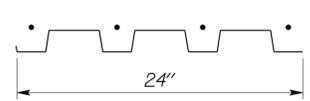
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

STEEL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Steel Decking	3" x 16 Ga	1.745 in ⁴ /ft	0.893 in ³ /ft	0.944 in ³ /ft	33 Ksi

Note
 Minimum 3 Span Condition

SCREW SCHEDULE and STEEL DECK PROFILE

Steel Deck Profile	Self-Drilling Self-Tapping Screws			Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - #12 Per Support	#12 @ 10" OC	#12 @ 10" OC	639 lb/ft

A STEEL DECK NOTES AND DETAILS
 No Scale

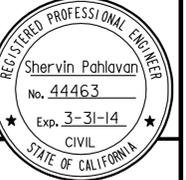
DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE DESIGN CRITERIA AND DETAIL NOTES	SHEET ST7-0B
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan			POST MILE 177.3/181.1		CVEF TRUCK INSPECTION BUILDING
QUANTITIES BY	CHECKED BY			REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT PROJECT NUMBER & PHASE: 3599 08000006281
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 03-26-09 10-30-12 12-10-12
 EA 368501 D:\user\Projects\A Expedite Process Folder\st7_000B.dgn

26-FEB-2013 11:05

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	451	710

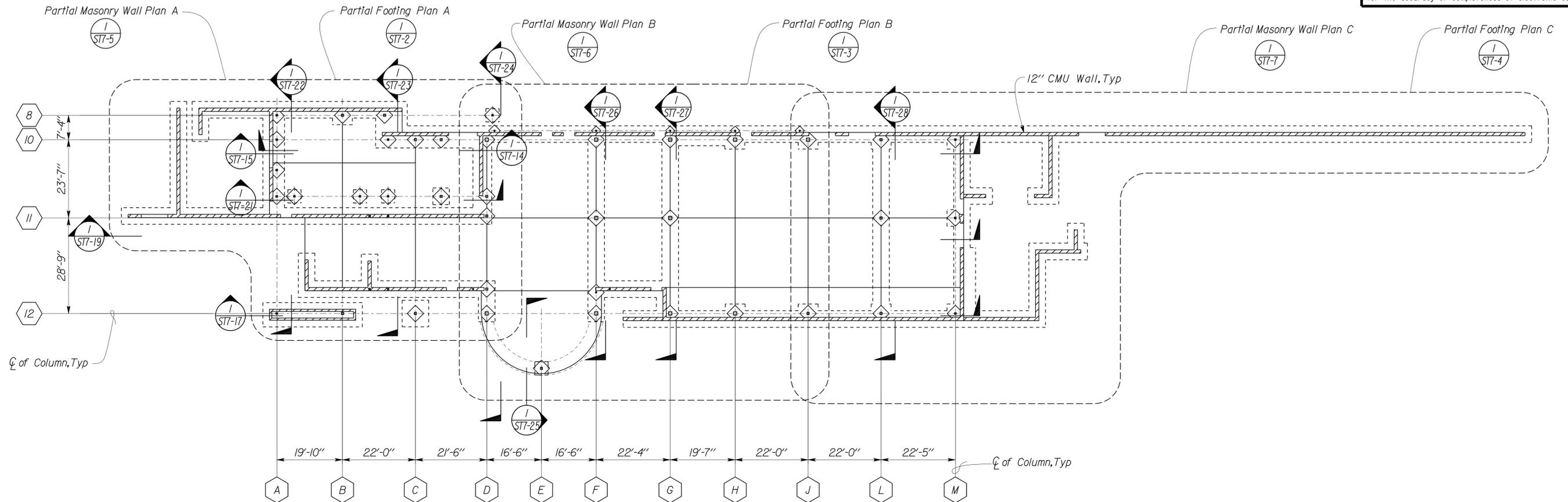
Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
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.

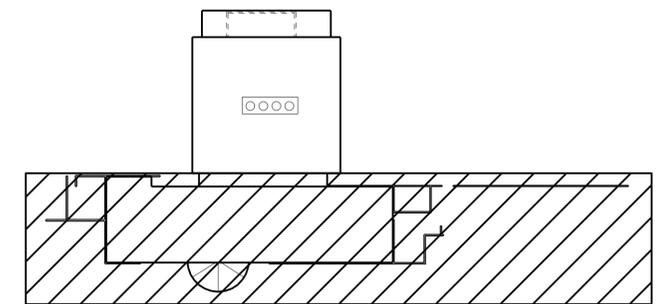
← CVEF Truck Inspection Building (not shown for clarity) →



Note
For Limits of Structural Excavation and Structural Backfill, see (I) ST-6A

Elevation 2908.38 = Datum 0'-0"

(I) MASONRY WALL PLAN
Scale 1/16" = 1'-0"



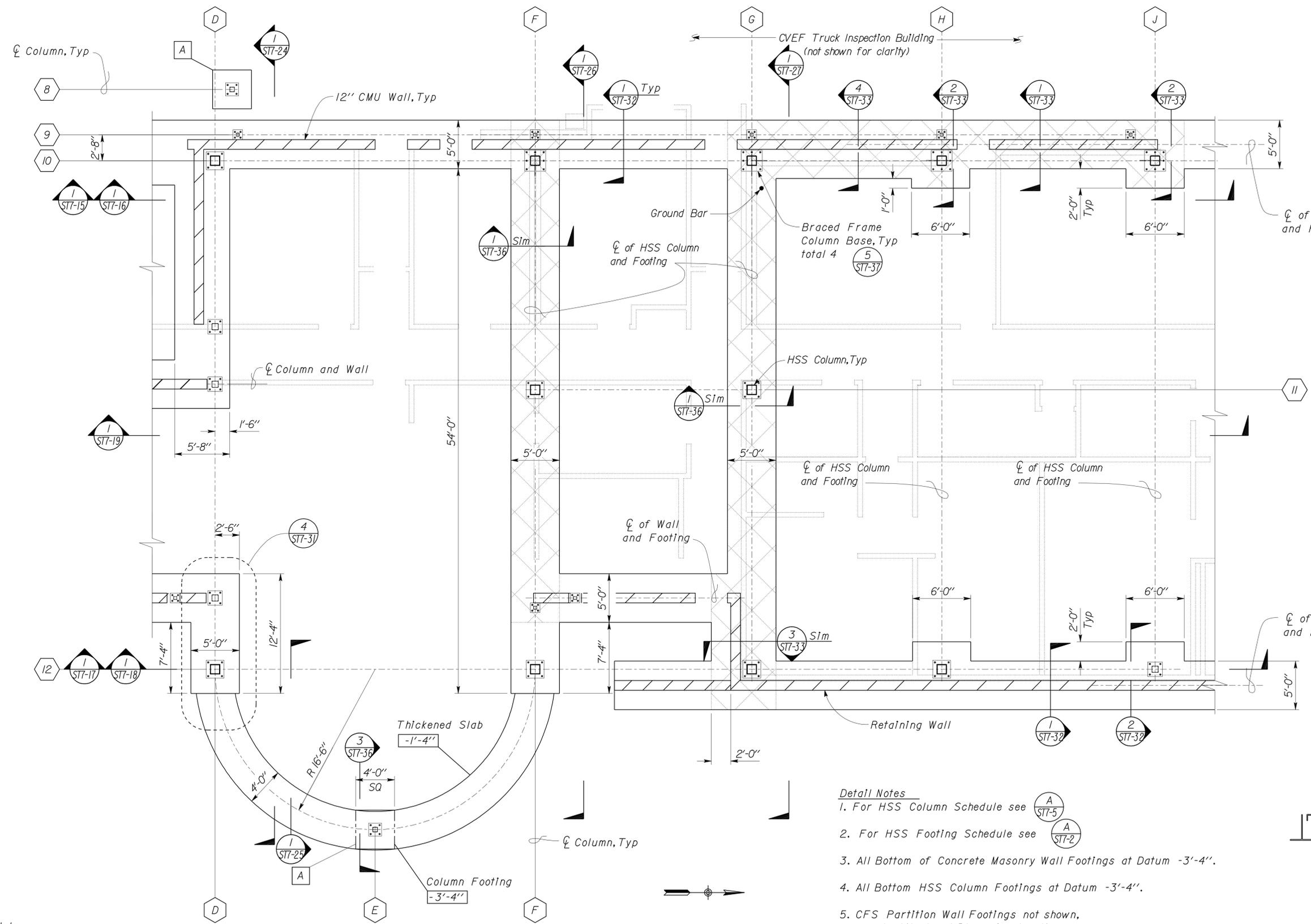
KEY PLAN

TAEMWW Imperial Rev. 7/10	DESIGN ENGINEER	DESIGN BY Shervin Pahlavan	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-1
		DETAILS BY Andrew Lovato	CHECKED Shervin Pahlavan			POST MILE 177.3/181.1		
		QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 08000006281	EA 368501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

26-FEB-2013 11:05

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	453	710

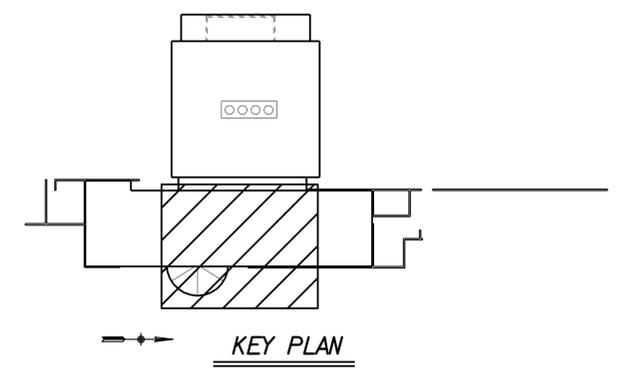
<i>Shervin Pahlavan</i> 11-27-12 REGISTERED CIVIL ENGINEER DATE		
2-25-13 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



SYMBOL

Indicates Limits of Braced Frame Footing Reinforcement

- Detail Notes**
- For HSS Column Schedule see
 - For HSS Footing Schedule see
 - All Bottom of Concrete Masonry Wall Footings at Datum -3'-4".
 - All Bottom HSS Column Footings at Datum -3'-4".
 - CFS Partition Wall Footings not shown, see Architectural Plans for locations. For Details see



Note
 Observation Room Storefront Anchorage not shown.
 See Architectural Plans for Anchorage details.

I PARTIAL FOOTING PLAN B
 Scale 3/16" = 1'-0"

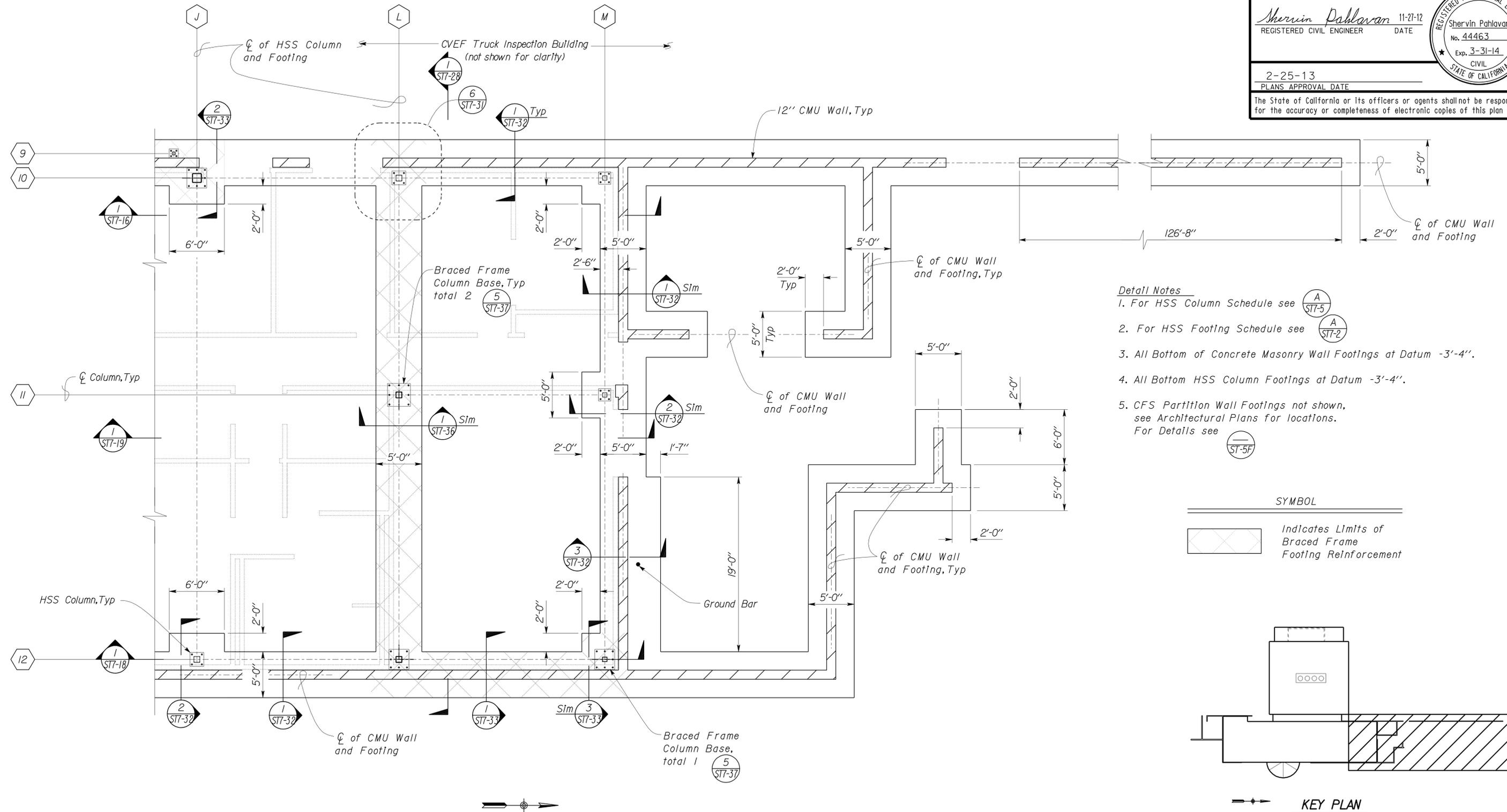
DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-3
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	UNIT 3599	PROJECT NUMBER & PHASE 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED BY	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	07-18-10 11-08-12 12-10-12		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	454	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

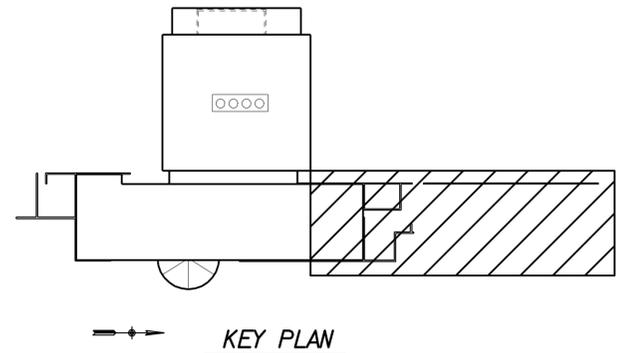
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



- Detail Notes**
- For HSS Column Schedule see (A) ST7-5
 - For HSS Footing Schedule see (A) ST7-2
 - All Bottom of Concrete Masonry Wall Footings at Datum -3'-4".
 - All Bottom HSS Column Footings at Datum -3'-4".
 - CFS Partition Wall Footings not shown, see Architectural Plans for locations. For Details see (A) ST-5F

SYMBOL

Indicates Limits of Braced Frame Footing Reinforcement



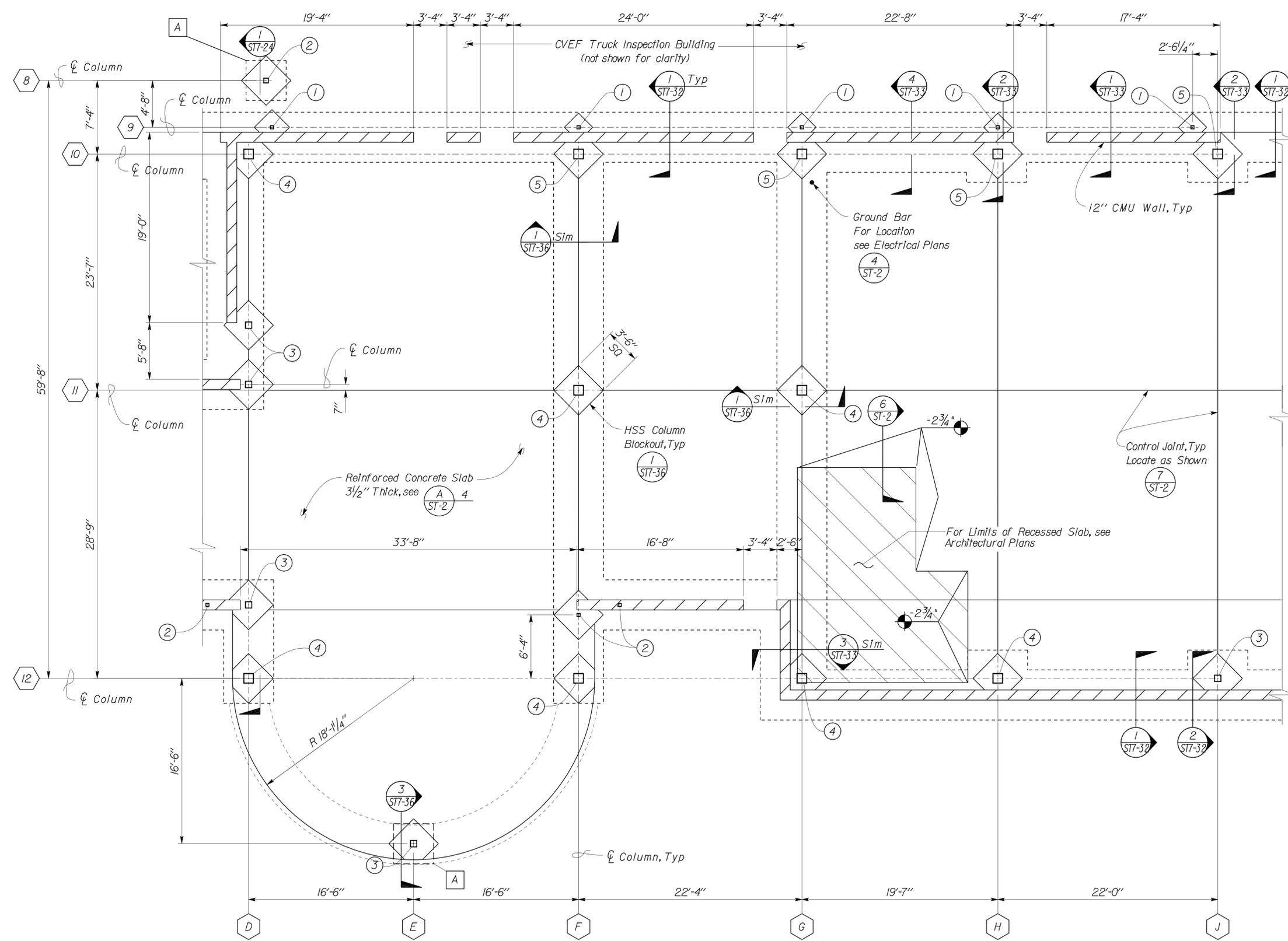
1 PARTIAL FOOTING PLAN C
 Scale 3/16" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

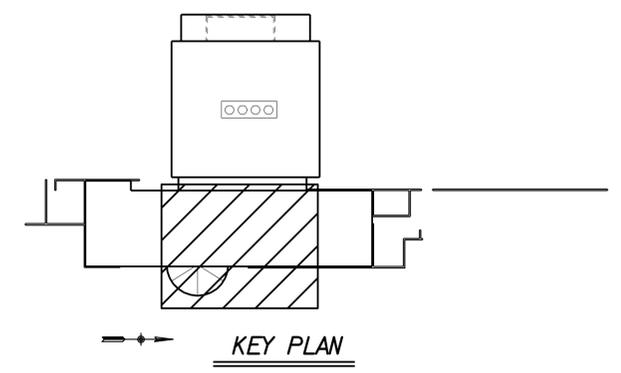
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J	MOUNTAIN PASS JOE	SHEET ST7-4
POST MILE	177.3/181.1		
CVF CHP OFFICE		PARTIAL FOOTING PLAN C	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	456	710
Shervin Pahlavan REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 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.					



- Detail Notes**
- For HSS Column Schedule see
 - For HSS Footing Schedule see
 - All Bottom of Concrete Masonry Wall Footings at Datum -3'-4".
 - All Bottom HSS Column Footings at Datum -3'-4".
 - CFS Partition Wall Footings not shown, see Architectural Plans for locations. For Details see



I PARTIAL MASONRY WALL PLAN
Scale 3/16" = 1' - 0"

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE PARTIAL MASONRY WALL PLAN B	SHEET ST7-6
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	03-11-10 11-08-12 12-10-12		

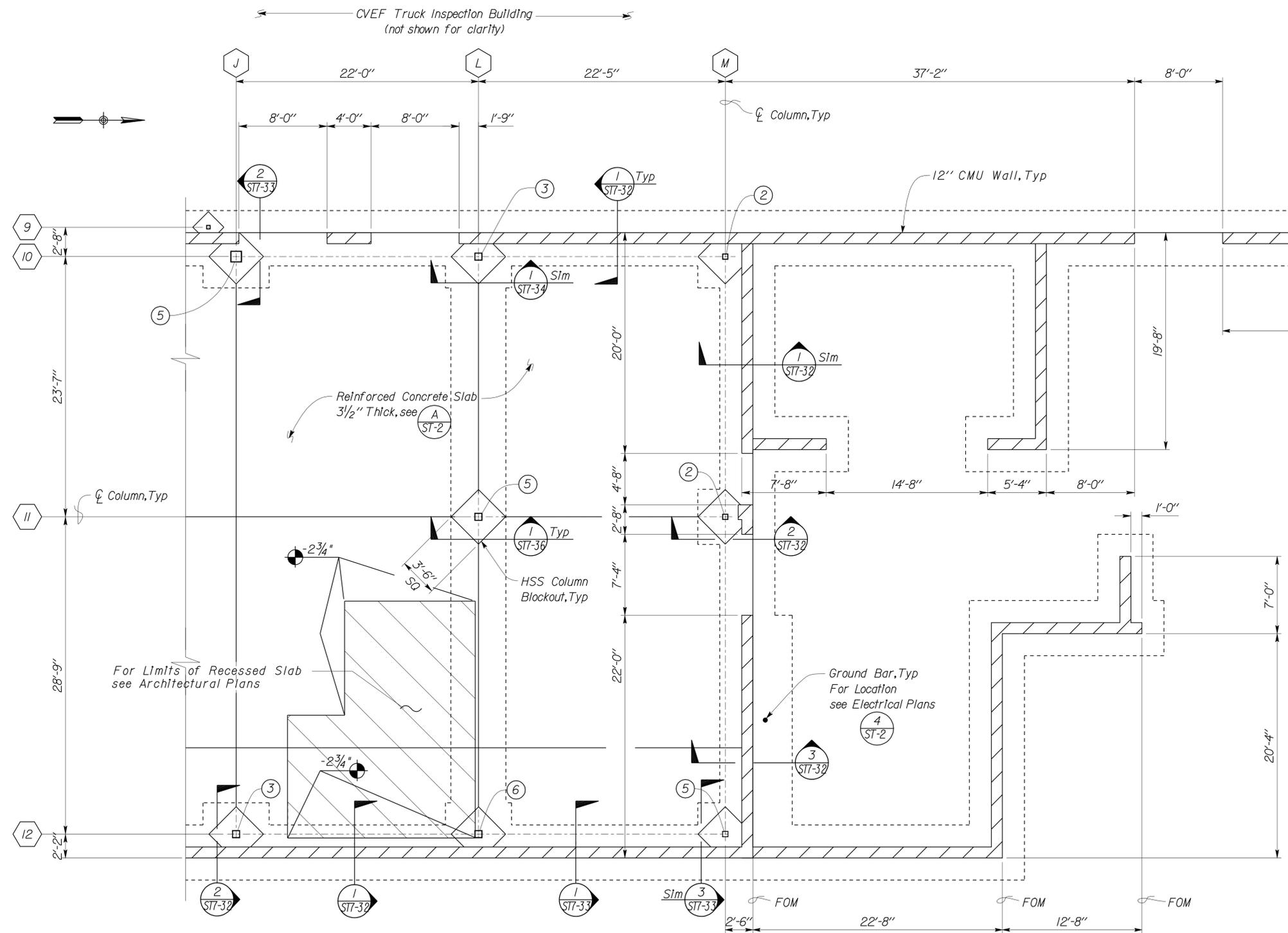
TAEMWW Imperial Rev. 7/10

EA 368501

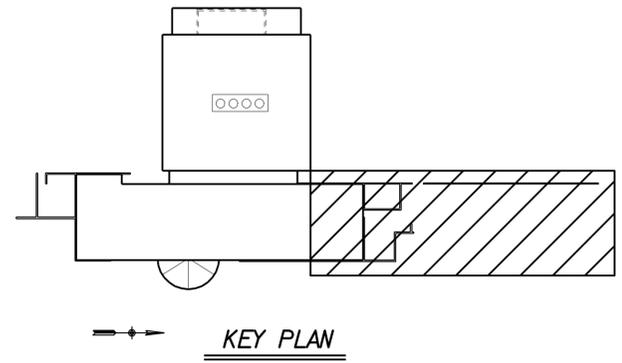
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26-FEB-2013 11:05

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	457	710
Sherwin Pahlavan REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 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.					



- Detail Notes**
1. For HSS Column Schedule see
 2. For HSS Footing Schedule see
 3. All Bottom of Concrete Masonry Wall Footings at Datum -3'-4".
 4. All Bottom HSS Column Footings at Datum -3'-4".
 5. CFS Partttion Wall Footings not shown, see Architectural Plans for locations. For Details see



1 PARTIAL MASONRY WALL PLAN
Scale 3/16" = 1'-0"

DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-7
POST MILE 177.3/181.1		
CVEF CHP OFFICE	PARTIAL MASONRY WALL PLAN C	

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0	1	2	3
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UNIT PROJECT NUMBER & PHASE
3599 08000006281

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
07-19-10 11-08-12 12-10-12		

26-FEB-2013 11:05

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	458	710

<i>Shervin Pahlavan</i> 11-27-12 REGISTERED CIVIL ENGINEER DATE		
2-25-13 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.		

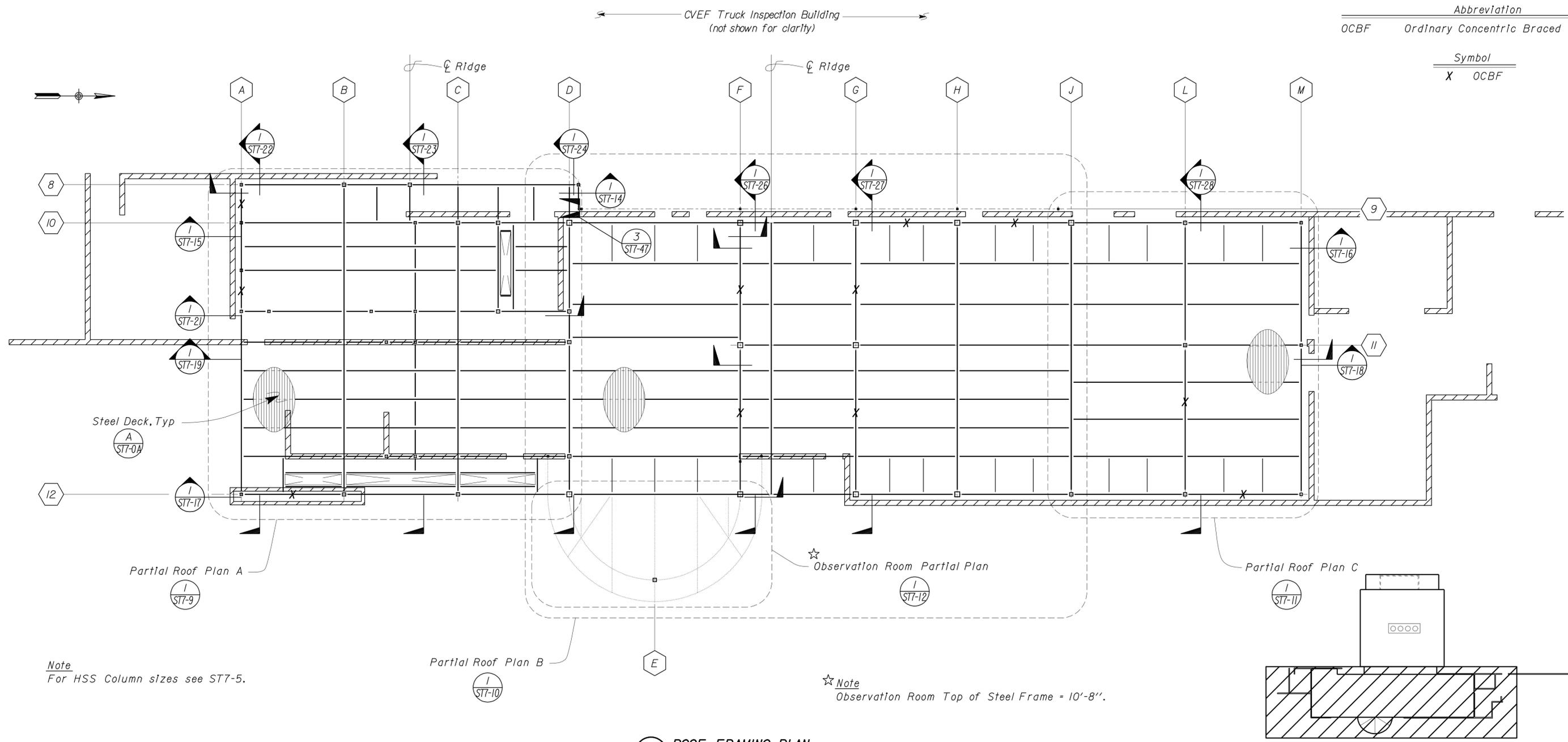
Legend

Abbreviation

OCBF Ordinary Concentric Braced Frame

Symbol

X OCBF



Note
For HSS Column sizes see ST7-5.

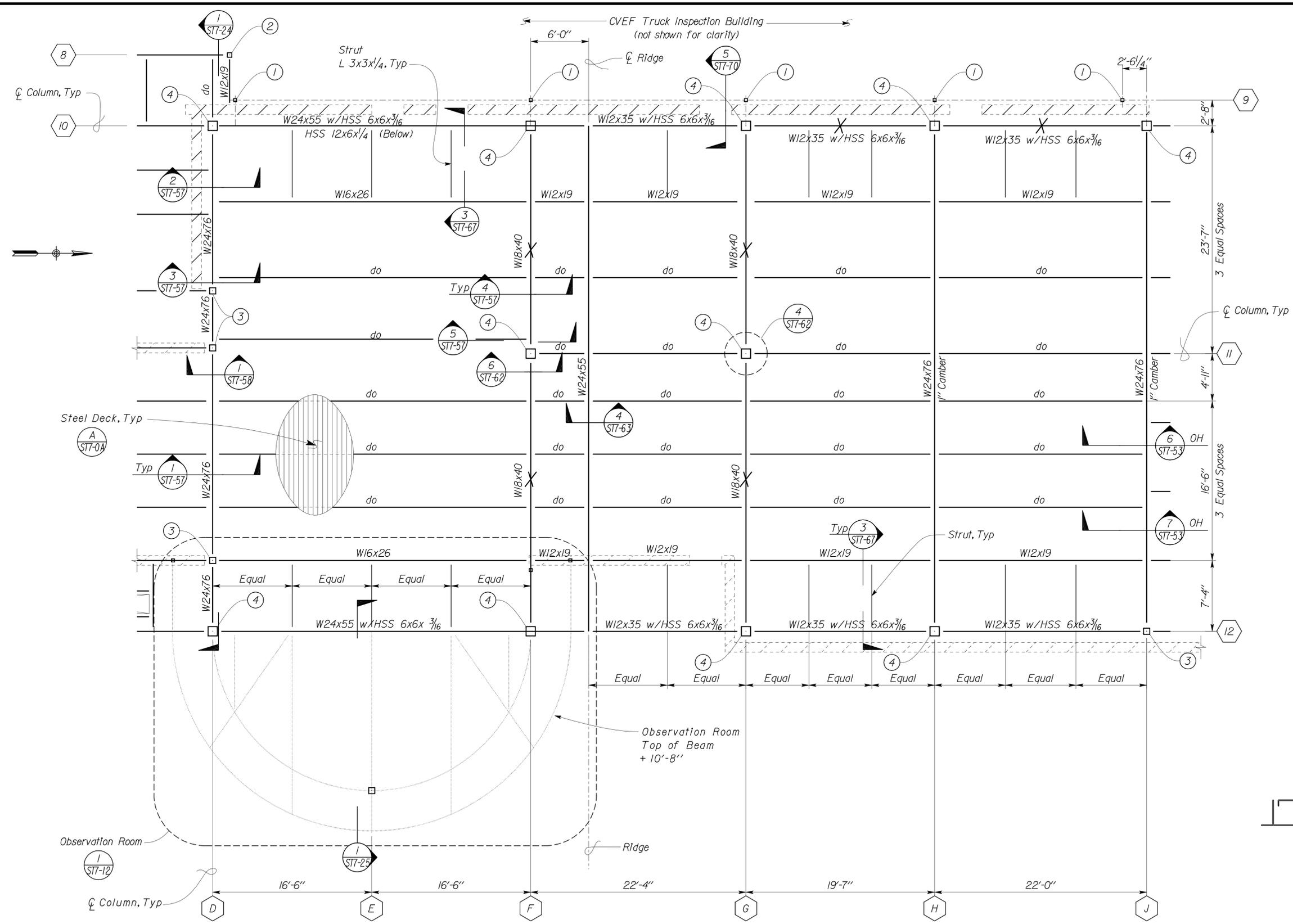
Note
Observation Room Top of Steel Frame = 10'-8".

1 ROOF FRAMING PLAN
Scale 1" = 10' - 0"

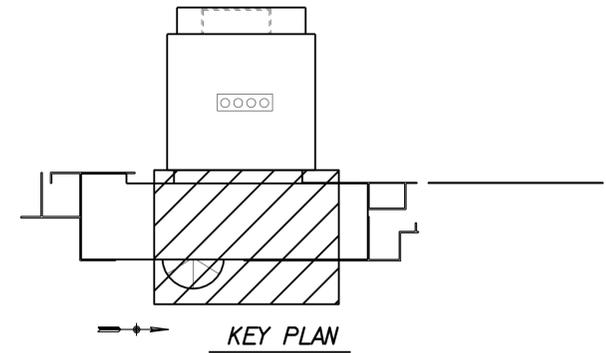
DESIGN BY Shervin Pahlavan CHECKED Joseph Camilleri	DETAILS BY Andrew Lovato CHECKED Shervin Pahlavan	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE ROOF FRAMING PLAN INDEX	SHEET ST7-8
					POST MILE 177.3/181.1		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT PROJECT NUMBER & PHASE 3599 08000006281		DISREGARD PRINTS BEARING EARLIER REVISION DATES		07-18-10 11-09-12 12-10-12
EA 368501			EA 368501		D:\user\Projects\A Expedite Process Folder\st7_008.dgn		27-FEB-2013 06:39

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	460	710

Shervin Pahlavan REGISTERED CIVIL ENGINEER No. 44463 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA	11-27-12 DATE
2-25-13 PLANS APPROVAL DATE	
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Symbology
 X Indicates location of OCBF



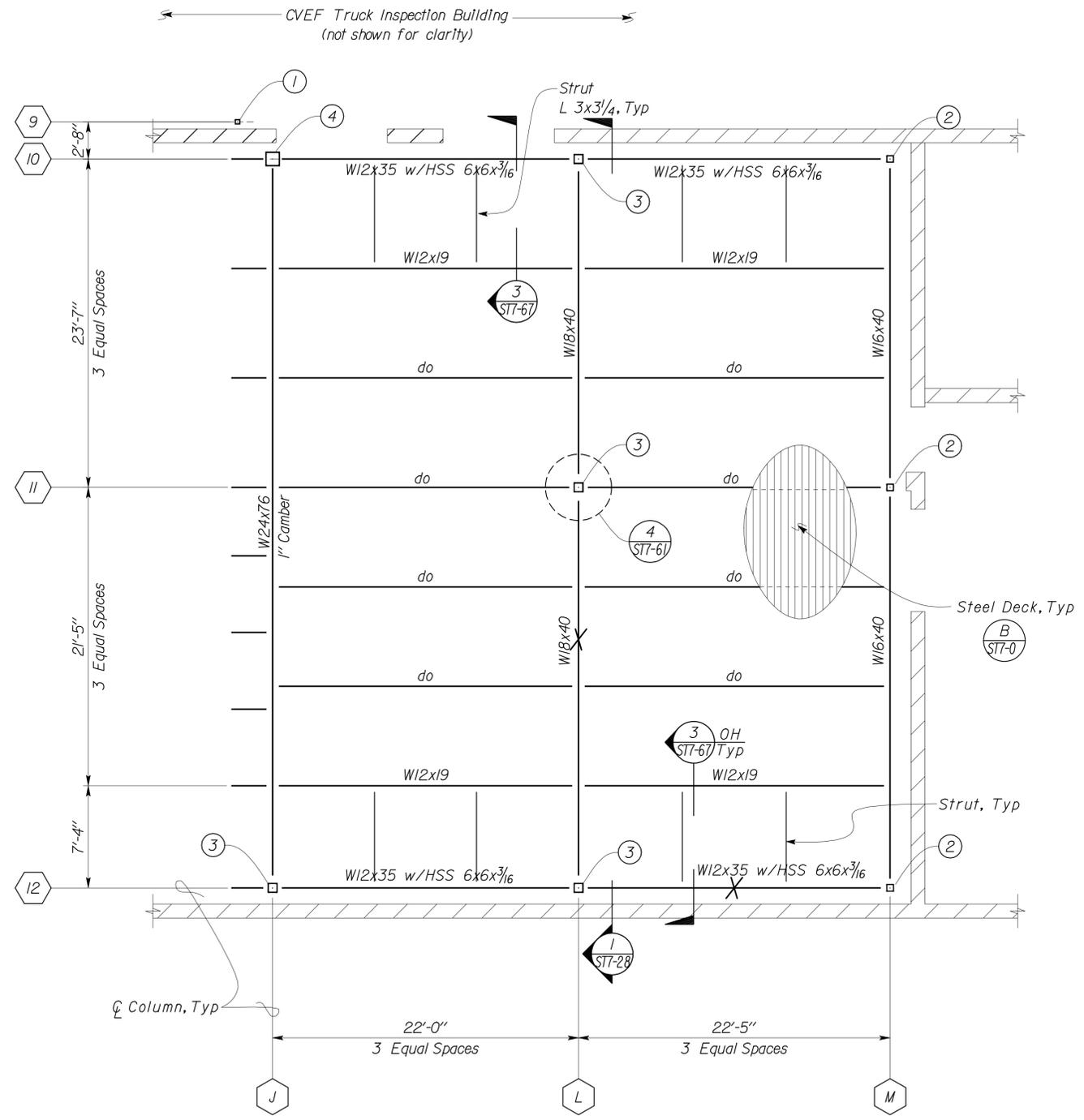
1 ROOF FRAMING PLAN
 Scale 3/16" = 1'-0"
 Note: For Column Schedule see (A) ST7-5

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE PARTIAL ROOF FRAMING PLAN B	SHEET ST7-10	
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan		PROJECT NUMBER & PHASE 08000006281	POST MILE 177.3/181.1		CVEF CHP OFFICE	REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES BY	CHECKED BY		UNIT 3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES		07-18-10 11-13-12 12-10-12	SHEET OF

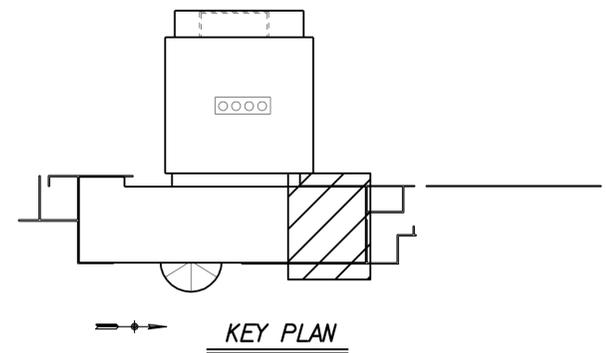
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	461	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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Symbology
 X Indicates location of OCBF



Note
 For Column Schedule see (A) ST7-5
1 PARTIAL ROOF FRAMING PLAN
 Scale 3/16" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

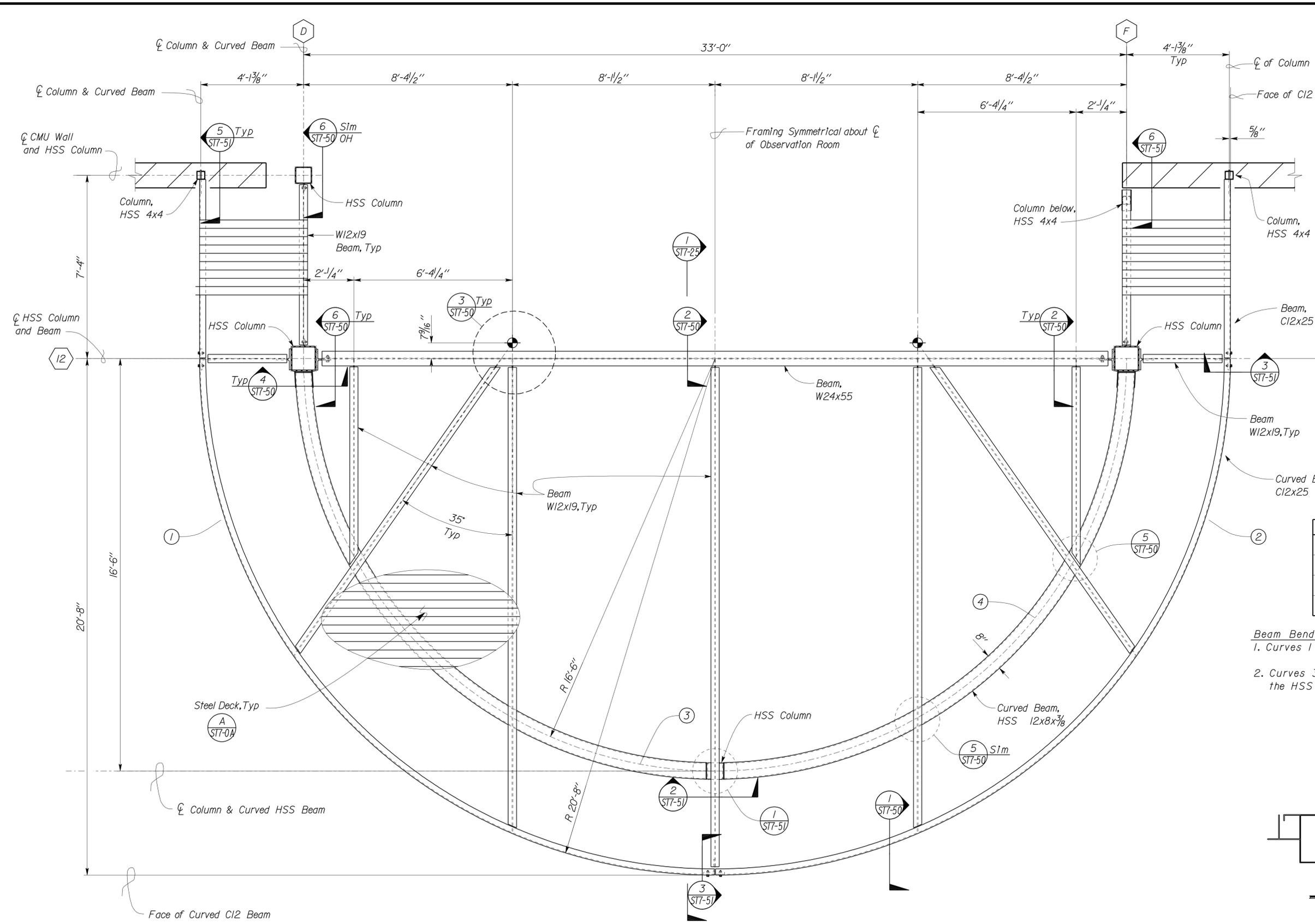
BRIDGE NO.	54-1216J	MOUNTAIN PASS JOE	SHEET ST7-11
POST MILE	177.3/181.1		
CVF CHP OFFICE		PARTIAL ROOF FRAMING PLAN C	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	462	710

Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

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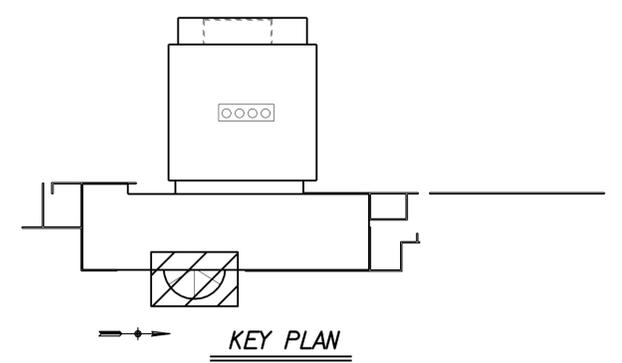


BEAM CURVE DATA

No.	R	Δ	L
1	20' - 8"	90°	32' - 5 1/8"
2	20' - 8"	90°	32' - 5 1/8"
3	16' - 6"	90°	25' - 7/8"
4	16' - 6"	90°	25' - 7/8"

Beam Bending Notes

- Curves 1 & 2 are measured along the face of the C Beams.
- Curves 3 & 4 are measured along the center line of the HSS Beams.



1 OBSERVATION ROOM FRAMING PLAN
 Scale 1/2" = 1' - 0"

DESIGN BY Sherwin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE OBSERVATION ROOM FRAMING PLAN	SHEET ST7-12	
DETAILS BY Andrew Lovato	CHECKED BY Sherwin Pahlavan			POST MILE 177.3/181.1		CVEF CHP OFFICE	OF
QUANTITIES BY	CHECKED BY			UNIT PROJECT NUMBER & PHASE 3599 08000006281		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 TAEMWW Imperial Rev. 7/10
 EA 368501
 D:\user\Projects\A Expedite Process Folder\st7_012.dgn

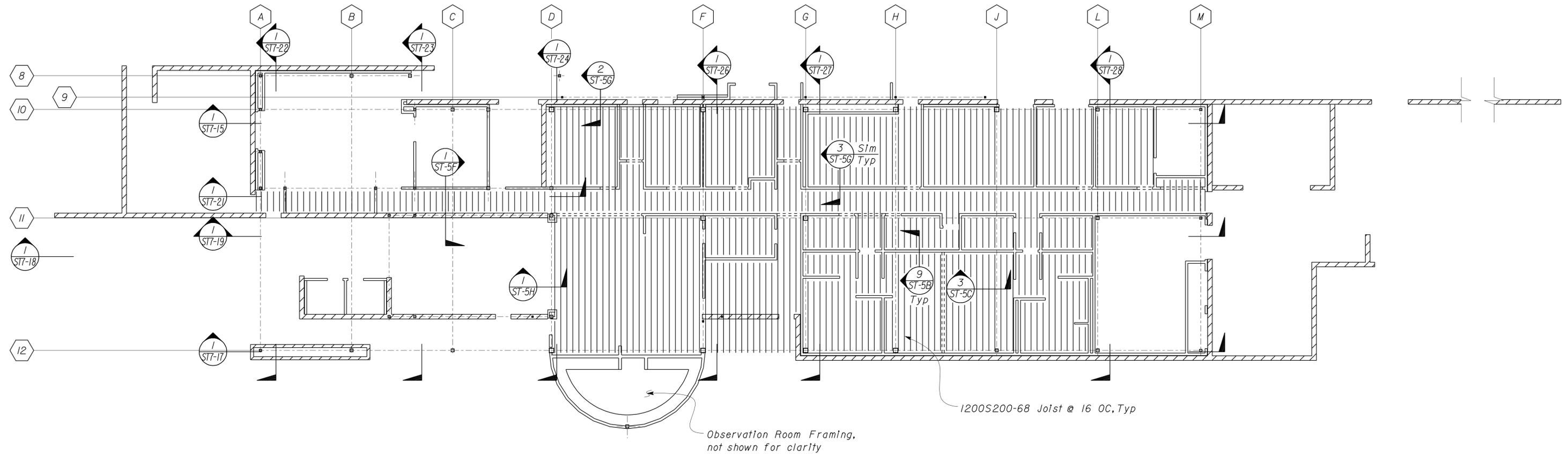
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	463	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



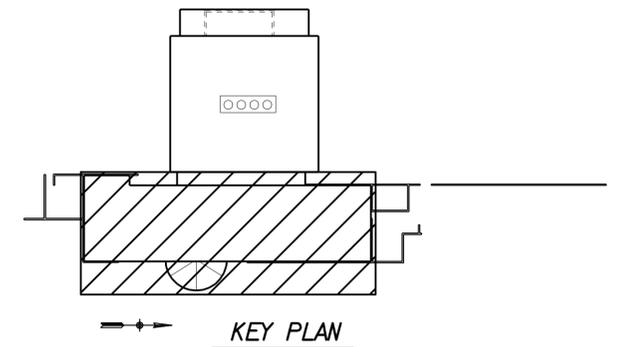
2-25-13
PLANS APPROVAL DATE

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Note
For ceiling elevations and limits, see Architectural Plans.

1 CEILING FRAMING PLAN
Scale 3/32" = 1'-0"



DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE	SHEET ST7-13
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	CHECKED	EA 368501	03-11-10 11-08-12 2-10-12			

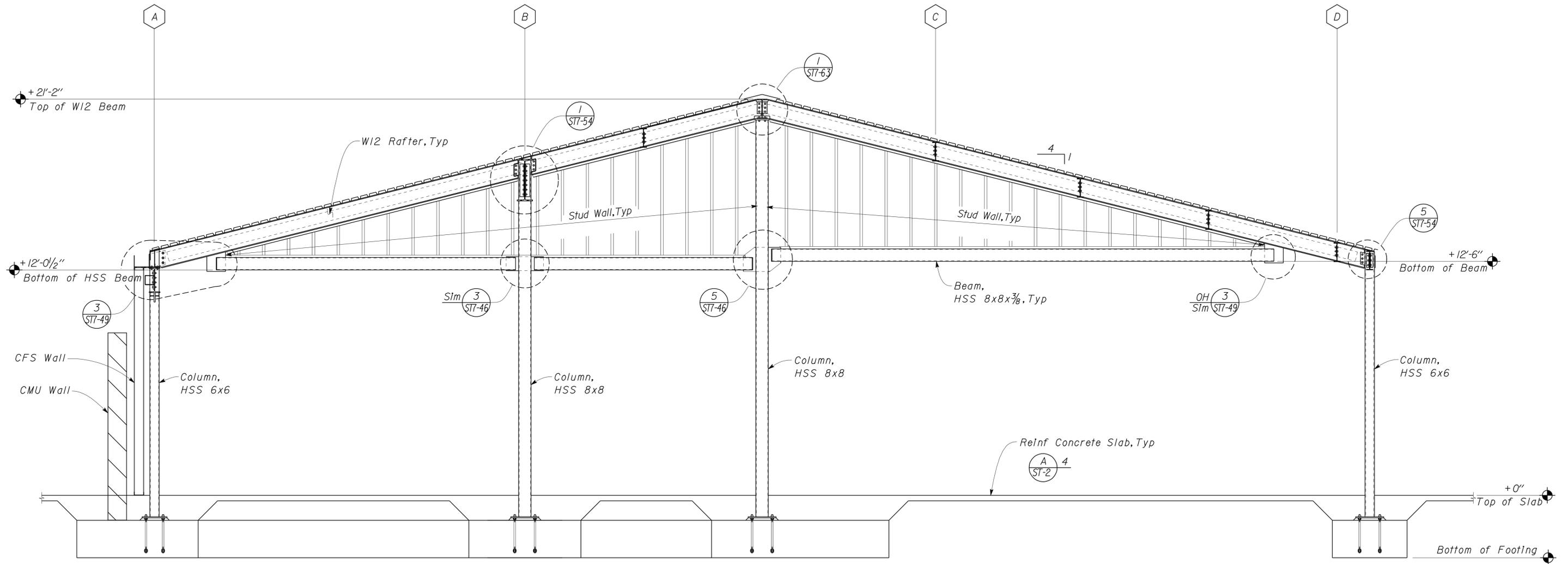
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	464	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE



2-25-13
 PLANS APPROVAL DATE

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

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 BUILDING SECTION

SHEET ST7-14 OF

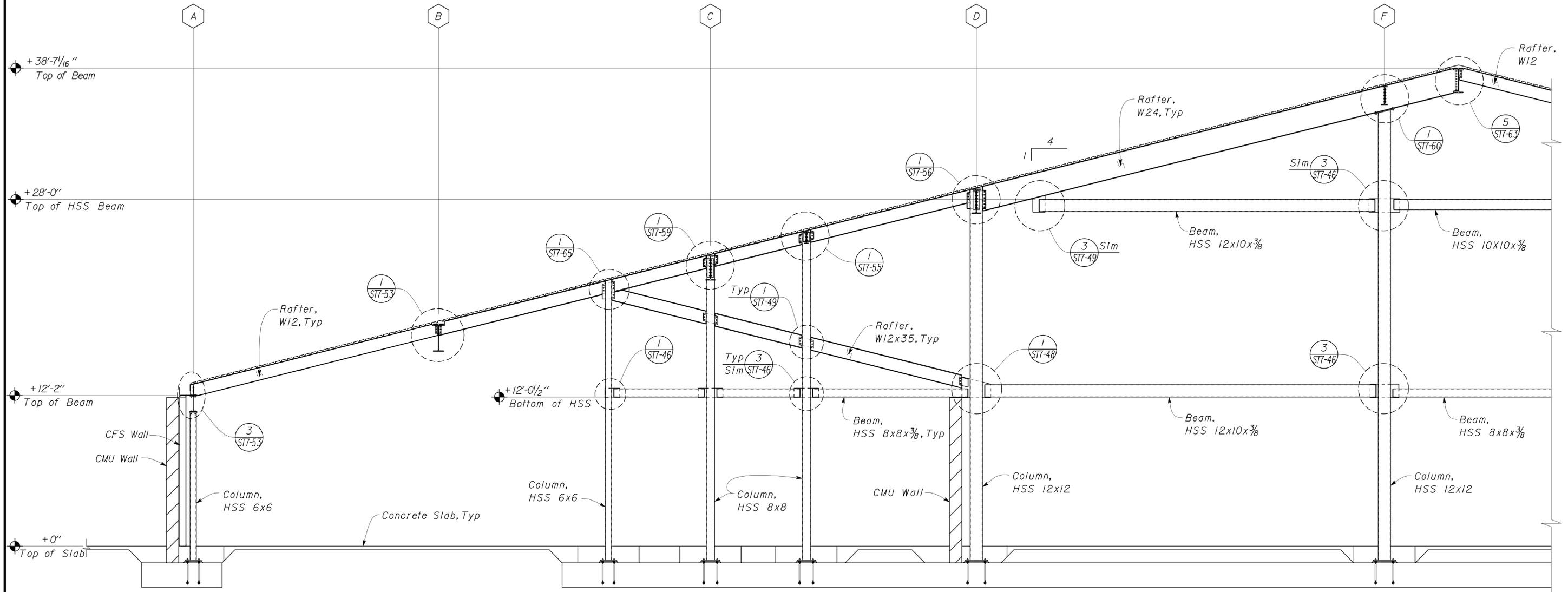
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	465	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE



2-25-13
 PLANS APPROVAL DATE

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- Notes**
1. For continuation of Building Section 1/SIT-16
 2. Stud Wall not shown, see Architectural Plans.

1 PARTIAL BUILDING SECTION AT GRIDLINE 10
 Scale 1/4" = 1'-0"

DESIGN BY Shervin Pahlavan CHECKED BY Joseph Camilleri	DETAILS BY Andrew Lovato CHECKED BY Shervin Pahlavan	QUANTITIES BY CHECKED BY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE	SHEET OF ST7-15
					POST MILE 177.3/181.1		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 03-11-10 11-13-12 12-10-12

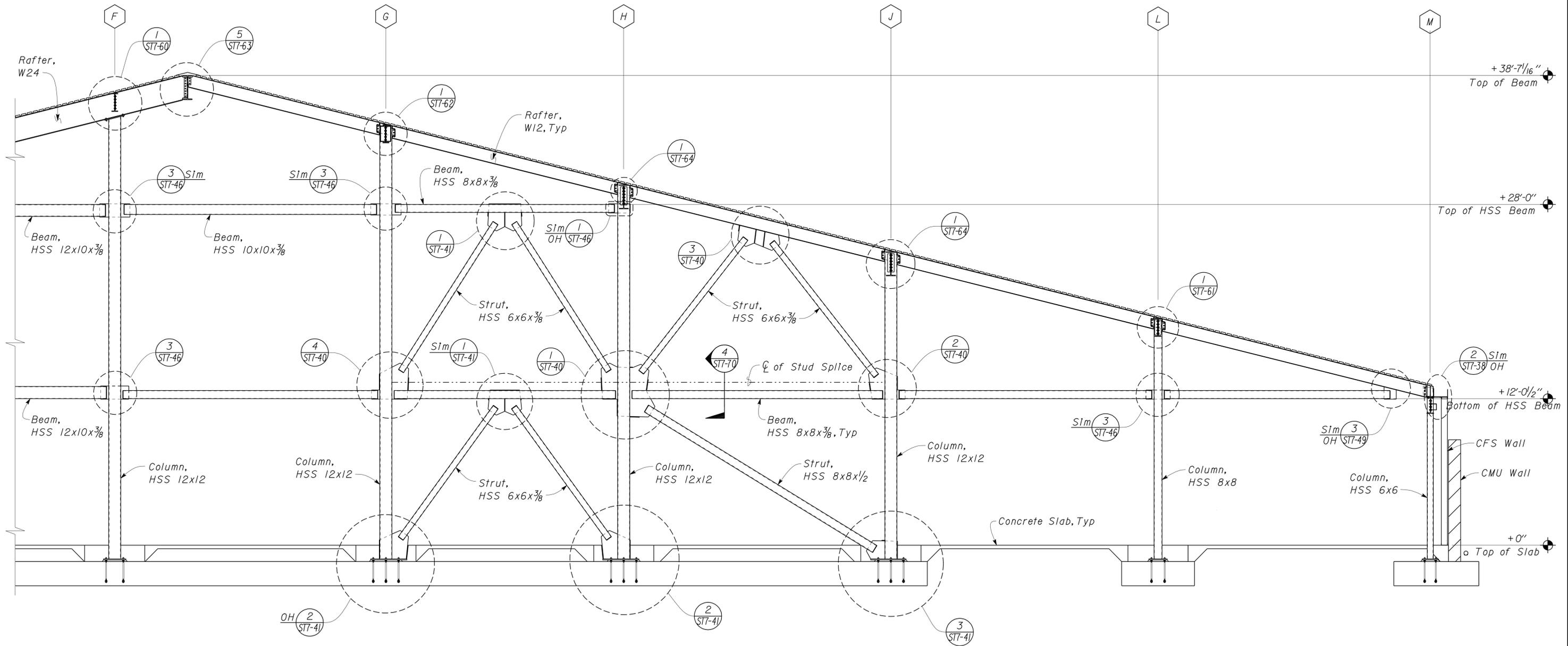
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	466	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE



2-25-13
 PLANS APPROVAL DATE

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Note
 Stud Wall not shown, see Architectural Plans.

1 PARTIAL BUILDING SECTION AT GRIDLINE 10
 Scale 1/4" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

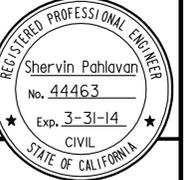
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 PARTIAL LONGITUDINAL BUILDING SECTION A

SHEET
ST7-16

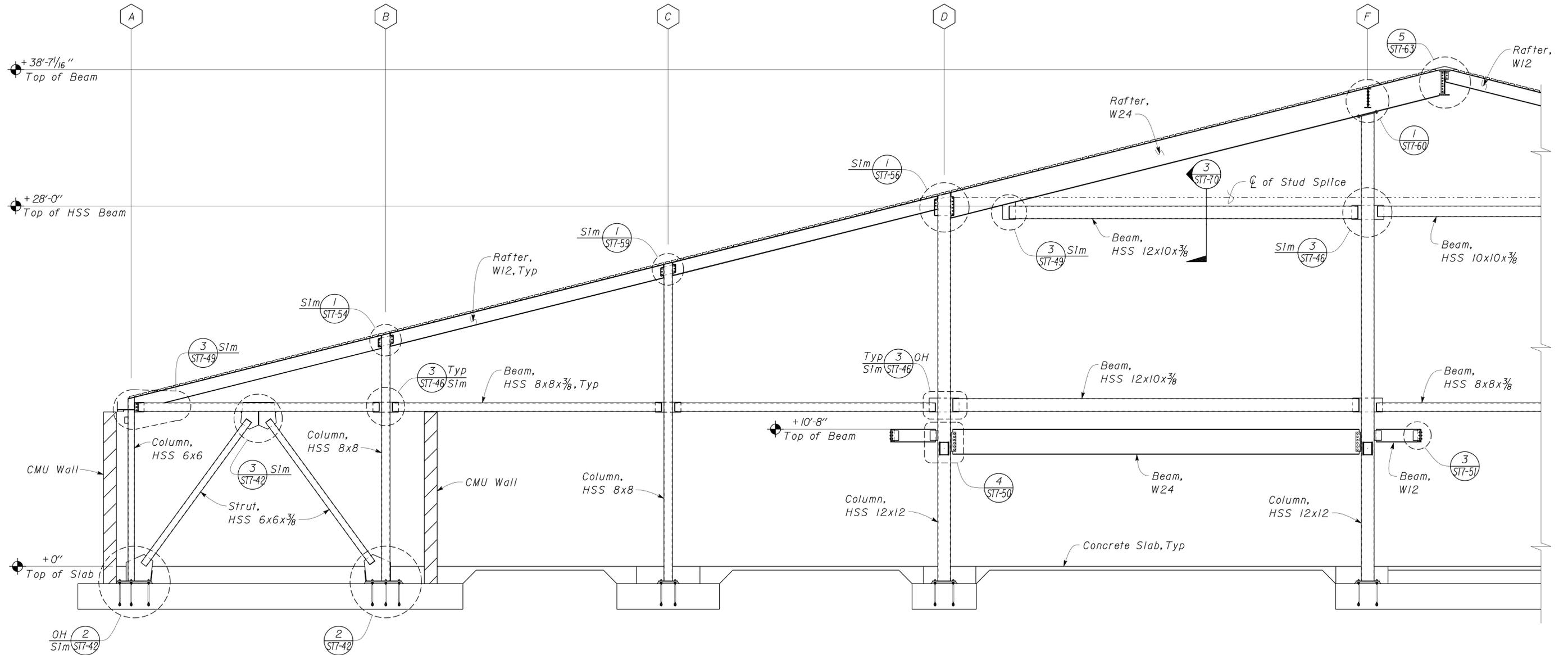
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	467	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

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- Notes
1. For continuation of Building Section ¹/_{ST7-18}
2. Stud Wall not shown, see Architectural Plans.

1 PARTIAL BUILDING SECTION AT GRIDLINE 12
Scale 1/4" = 1' - 0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES		CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
PARTIAL LONGITUDINAL BUILDING SECTION B

SHEET **ST7-17** OF



REVISION DATES (PRELIMINARY STAGE ONLY)			
03-11-10	11-13-12	12-10-12	

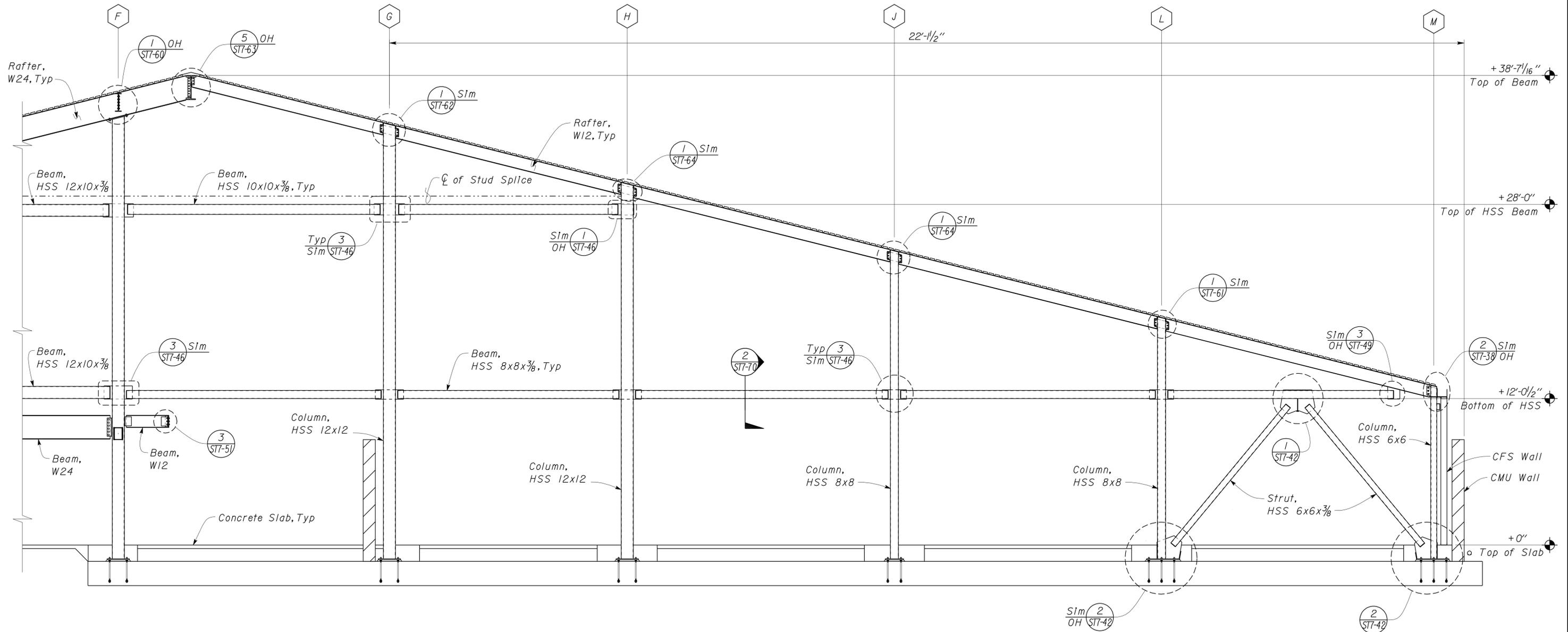
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	468	710

Sherwin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

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Note
Stud Wall not shown, see Architectural Plans

1 PARTIAL BUILDING SECTION AT GRIDLINE 12
Scale 1/4" = 1' - 0"

DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-18
POST MILE 177.3/181.1		
CVEF CHP OFFICE	PARTIAL LONGITUDINAL BUILDING SECTION B	

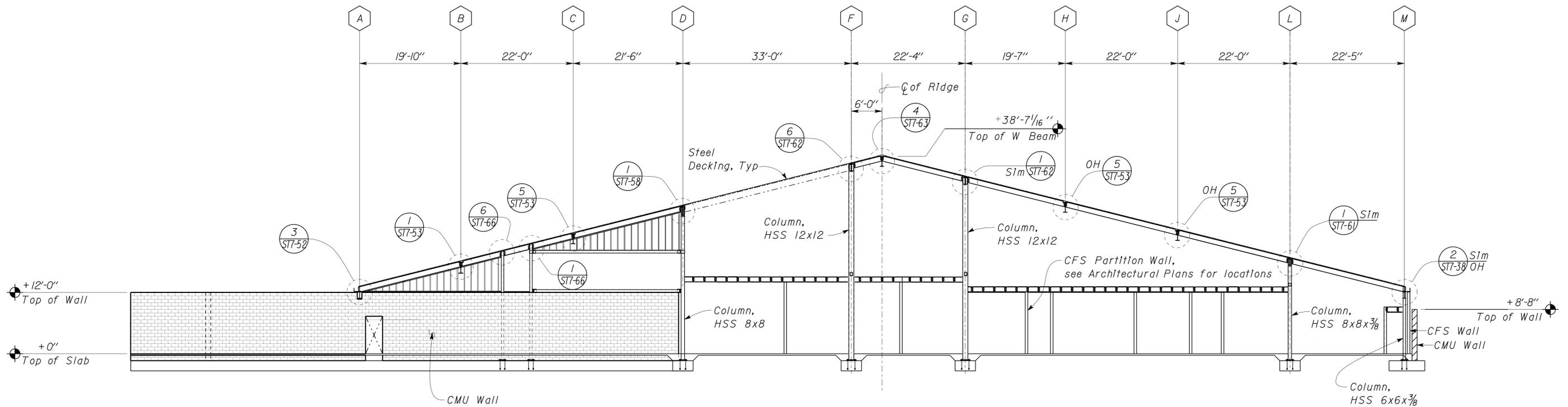
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	469	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE



2-25-13
 PLANS APPROVAL DATE

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I LONGITUDINAL SECTION AT GRIDLINE II
 Scale 1" = 10' - 0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

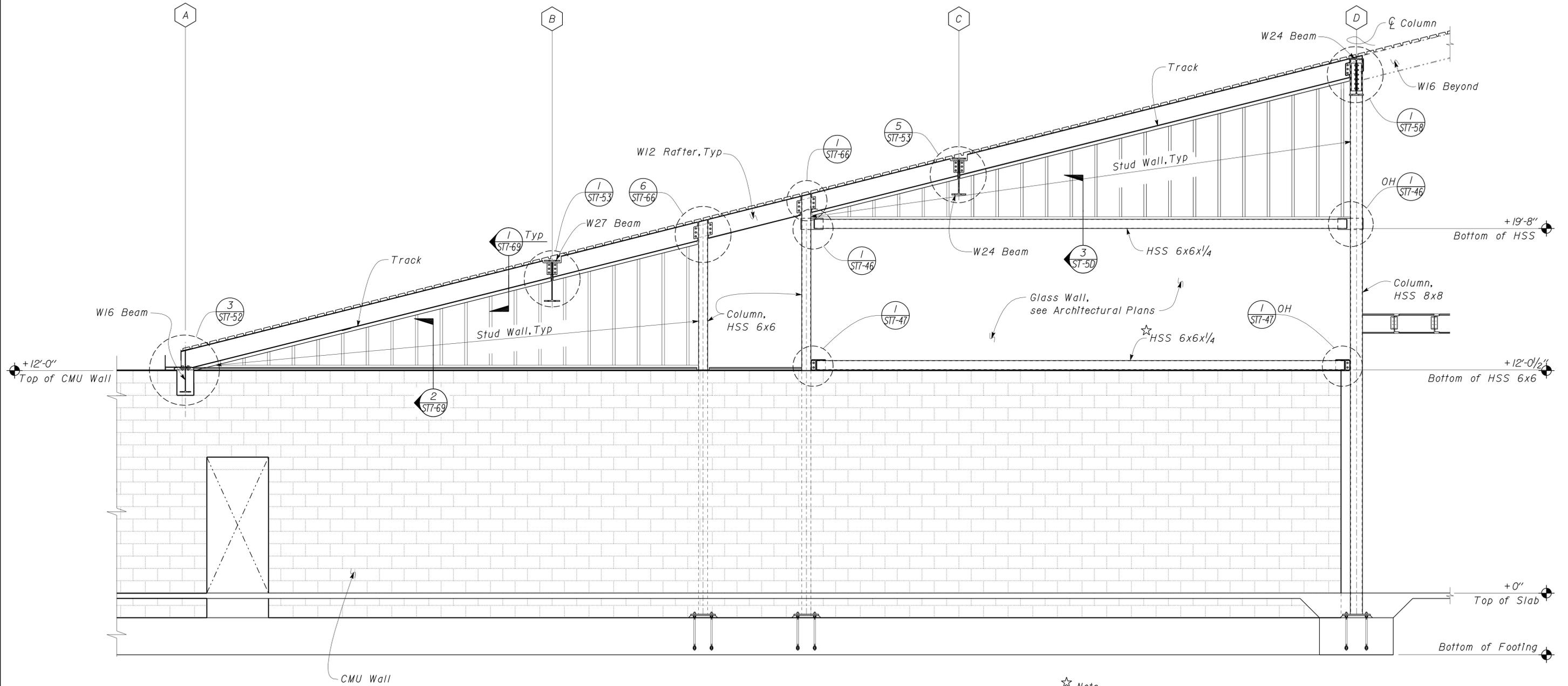
DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 LONGITUDINAL BUILDING SECTION

SHEET ST7-19 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	470	710
<i>Shervin Pahlavan</i> 11-27-12 REGISTERED CIVIL ENGINEER DATE			REGISTERED PROFESSIONAL ENGINEER <i>Shervin Pahlavan</i> No. 44463 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA		
2-25-13 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.					



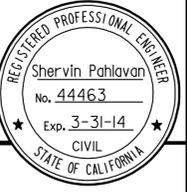
☆ *Note*
 Omit Mortar Bed and Steel Top Plate
 at top of CMU Wall, under the HSS 6x6.

I PARTIAL BUILDING SECTION AT GRIDLINE II
 Scale 3/8" = 1'-0"

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE	SHEET ST7-20
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED BY				03-11-10 11-01-12 12-10-12	
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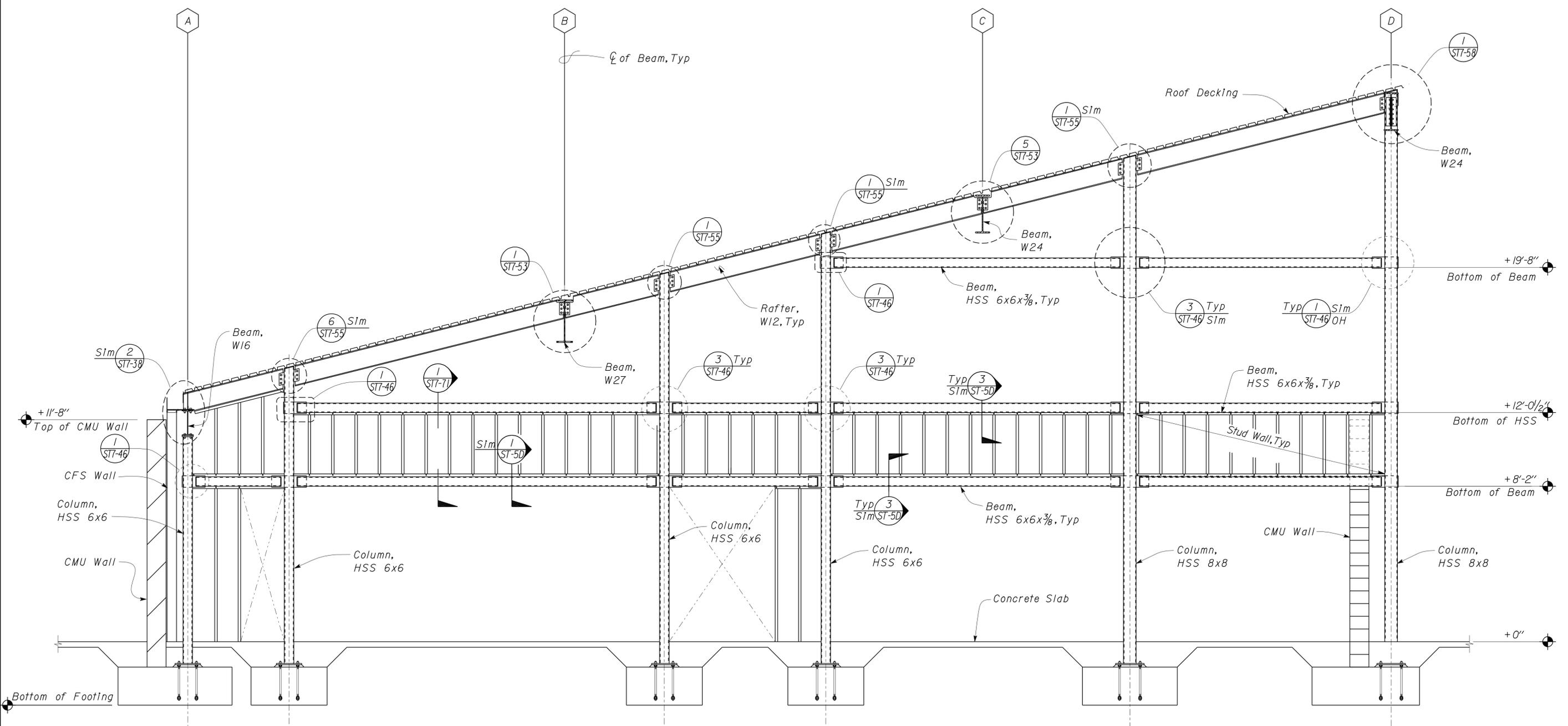
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SbD	15	177.3/181.1	471	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

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1 WALL FRAMING WEST OF GRIDLINE 11
Scale 3/8" = 1' - 0"

DESIGN BY Shervin Pahlavan CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET ST7-21
			POST MILE 177.3/181.1	PARTIAL INTERIOR FRAMING ELEVATION		
DETAILS BY Andrew Lovato CHECKED BY Shervin Pahlavan	UNIT 3599	PROJECT NUMBER & PHASE 08000006281	CVEF CHP OFFICE	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	07-18-10 11-09-12 12-10-12			

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT 3599 PROJECT NUMBER & PHASE 08000006281

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET OF

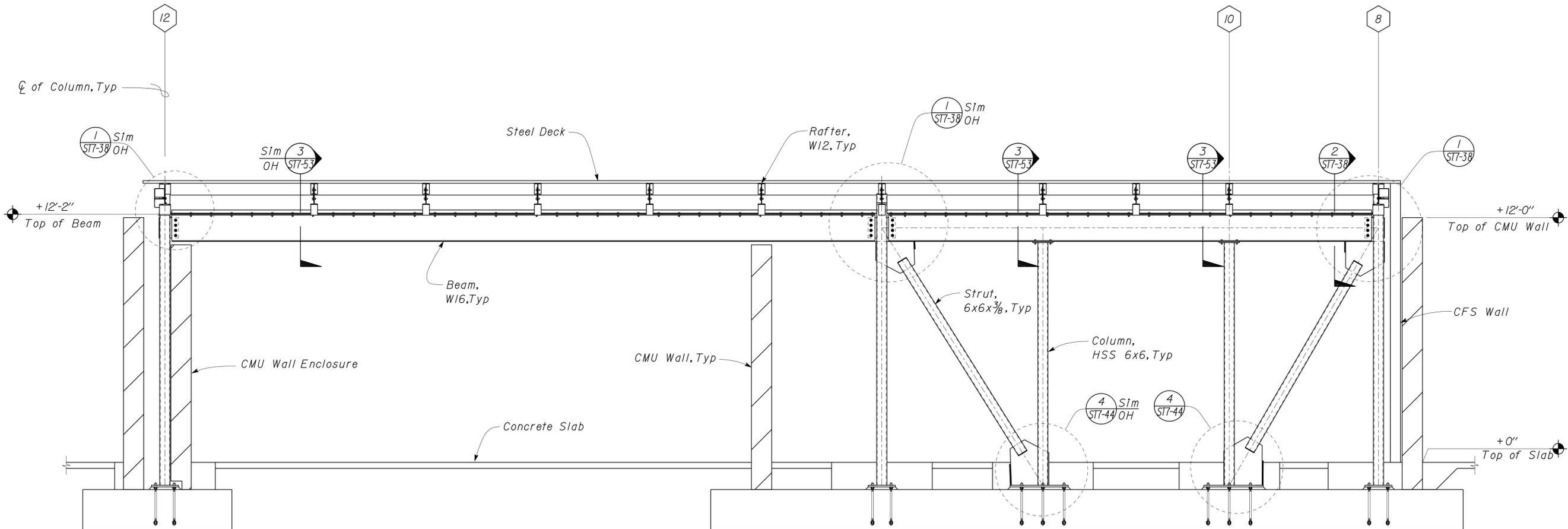
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	472	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

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1 SECTION AT GRIDLINE A
Scale 3/8" = 1' - 0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 54-1216J
POST MILE 177.3/181.1

MOUNTAIN PASS JOE
BRACED FRAME ELEVATION

SHEET ST7-22 OF



REVISION DATES (PRELIMINARY STAGE ONLY)	
08-16-10	12-10-12

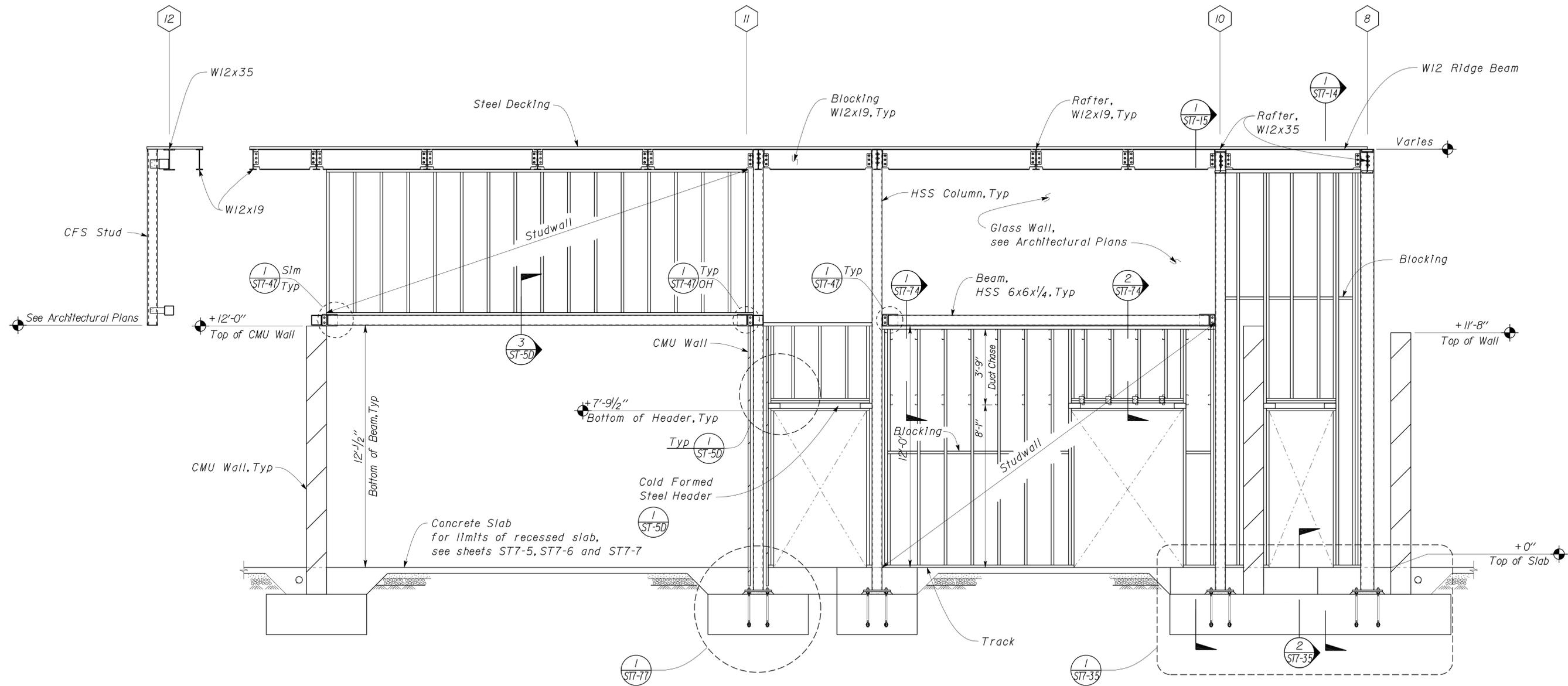
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	473	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE



2-25-13
 PLANS APPROVAL DATE

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1 BUILDING SECTION BETWEEN GRIDLINES B AND C
 Scale 3/8" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 54-1216J
 POST MILE 177.3/181.1

MOUNTAIN PASS JOE		SHEET ST7-23
BUILDING SECTION		OF

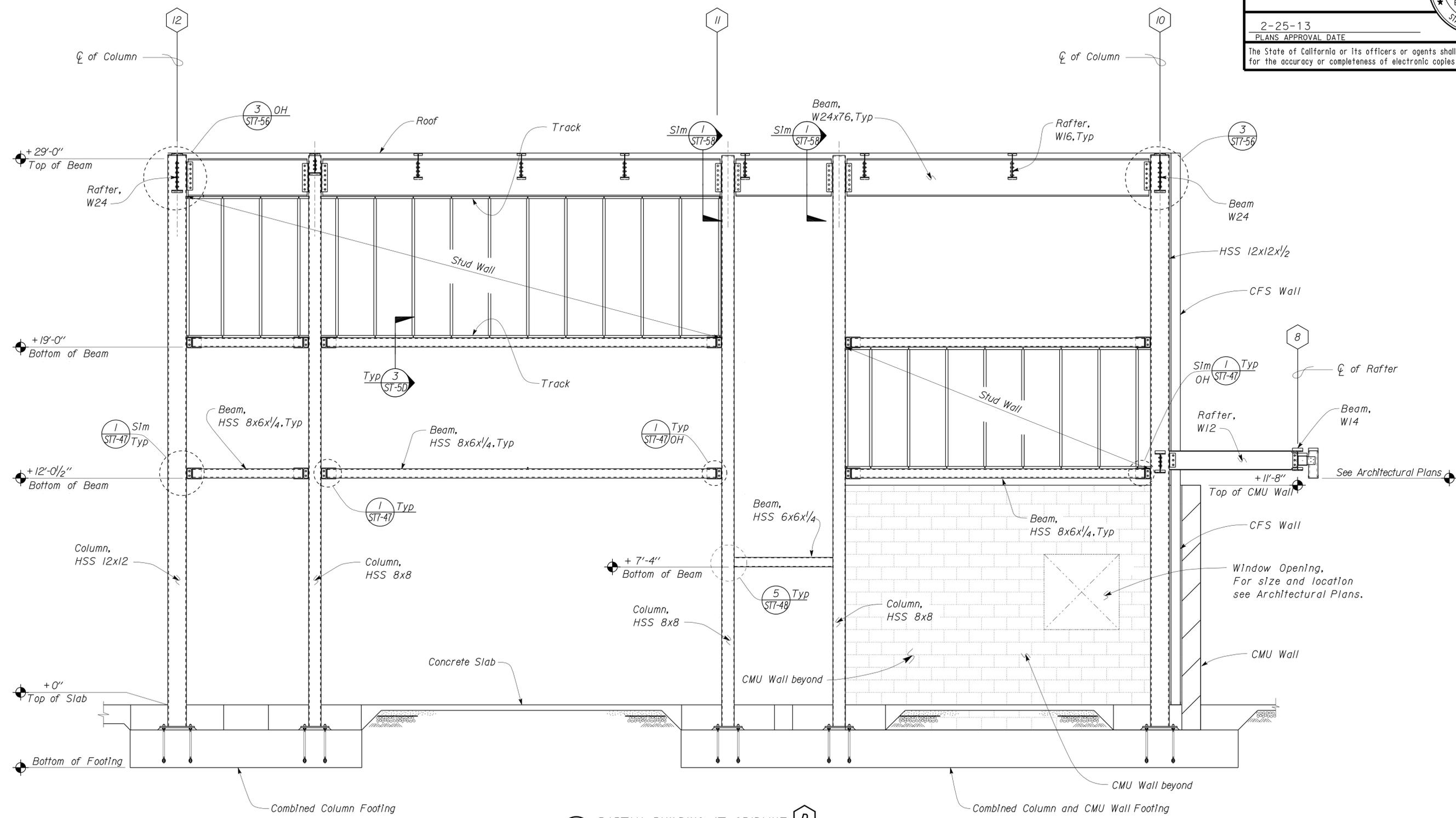


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	474	710

Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE

2-25-13
 PLANS APPROVAL DATE

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1 PARTIAL BUILDING AT GRIDLINE D
 Scale 3/8" = 1'-0"

DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1
CVEF	CHP OFFICE

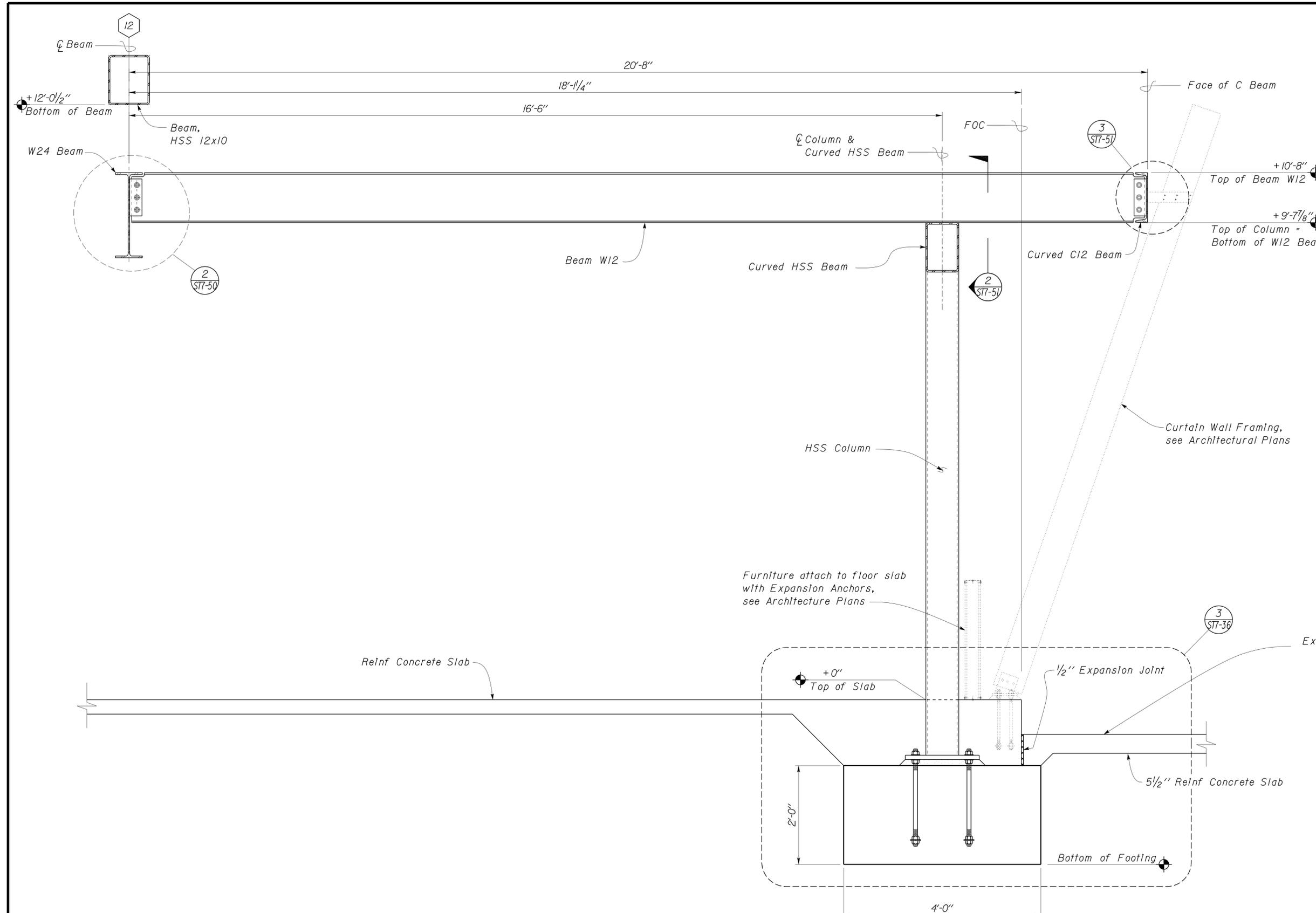
MOUNTAIN PASS JPOE
 PARTIAL BUILDING SECTION

SHEET
ST7-24

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	475	710

Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 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.

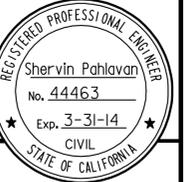


1 OBSERVATION ROOM SECTION
 Scale 1" = 1'-0"

DESIGN BY Shervin Pahlavan CHECKED Joseph Camilleri	DETAILS BY Andrew Lovato CHECKED Shervin Pahlavan	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-25
					POST MILE 177.3/181.1		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
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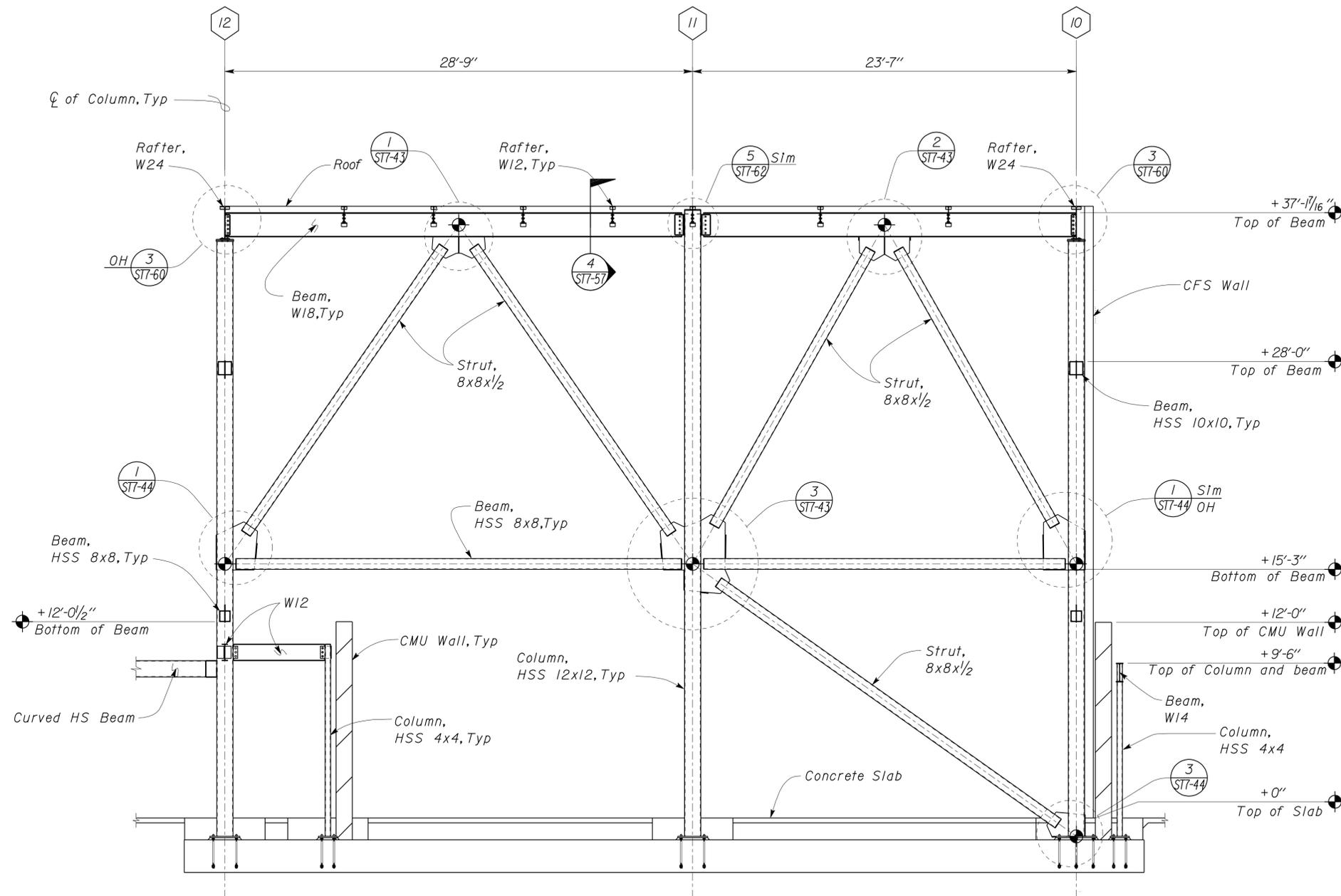
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	476	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

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1 BRACED FRAME ELEVATION AT GRIDLINE F
Scale 1/4" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

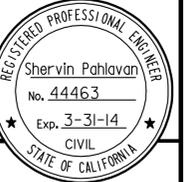
MOUNTAIN PASS JOE
BRACED FRAME ELEVATION

SHEET ST7-26 OF



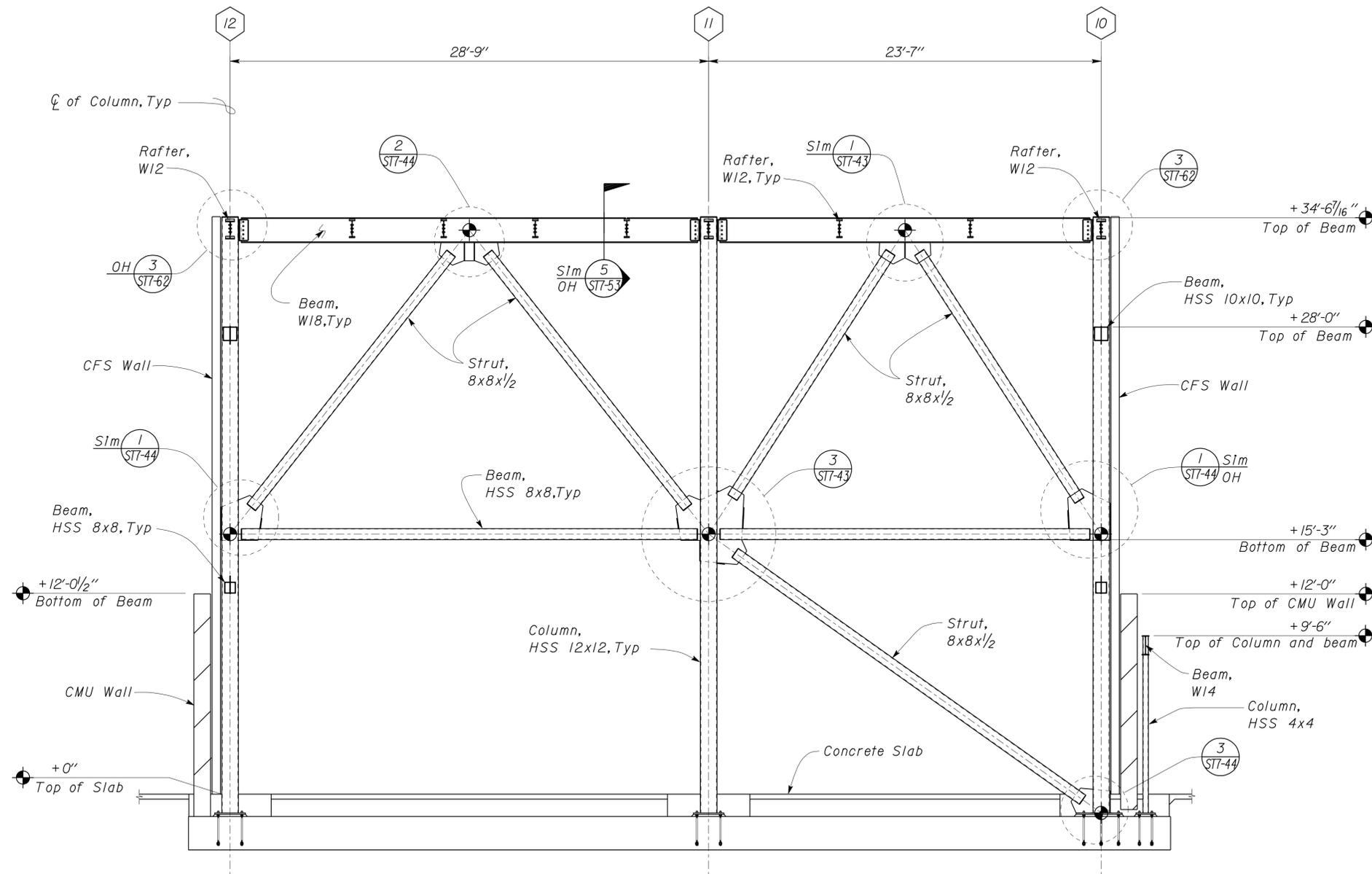
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	477	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
PLANS APPROVAL DATE

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1 BRACED FRAME ELEVATION AT GRIDLINE 6
Scale 1/4" = 1'-0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
BRACED FRAME ELEVATION

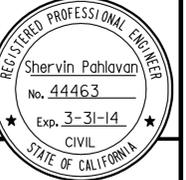
SHEET OF
ST7-27



REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
08-16-10	11-13-12	12-10-12	

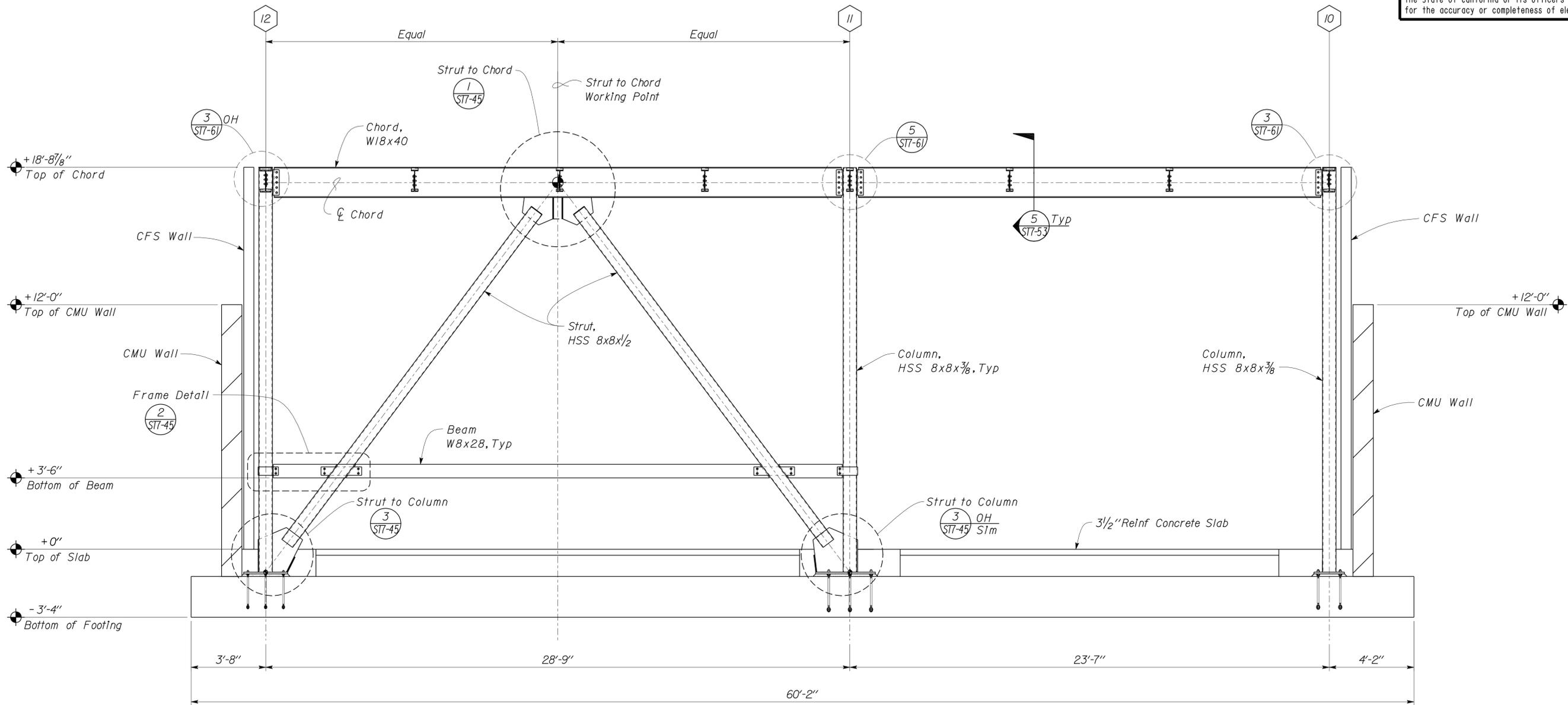
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	478	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE



2-25-13
 PLANS APPROVAL DATE

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Note
 CMU Wall not shown for clarity

1 BRACED FRAME ELEVATION AT GRIDLINE L
 Scale 3/8" = 1' - 0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

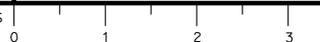
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 BRACED FRAME ELEVATION

SHEET OF
 ST7-28



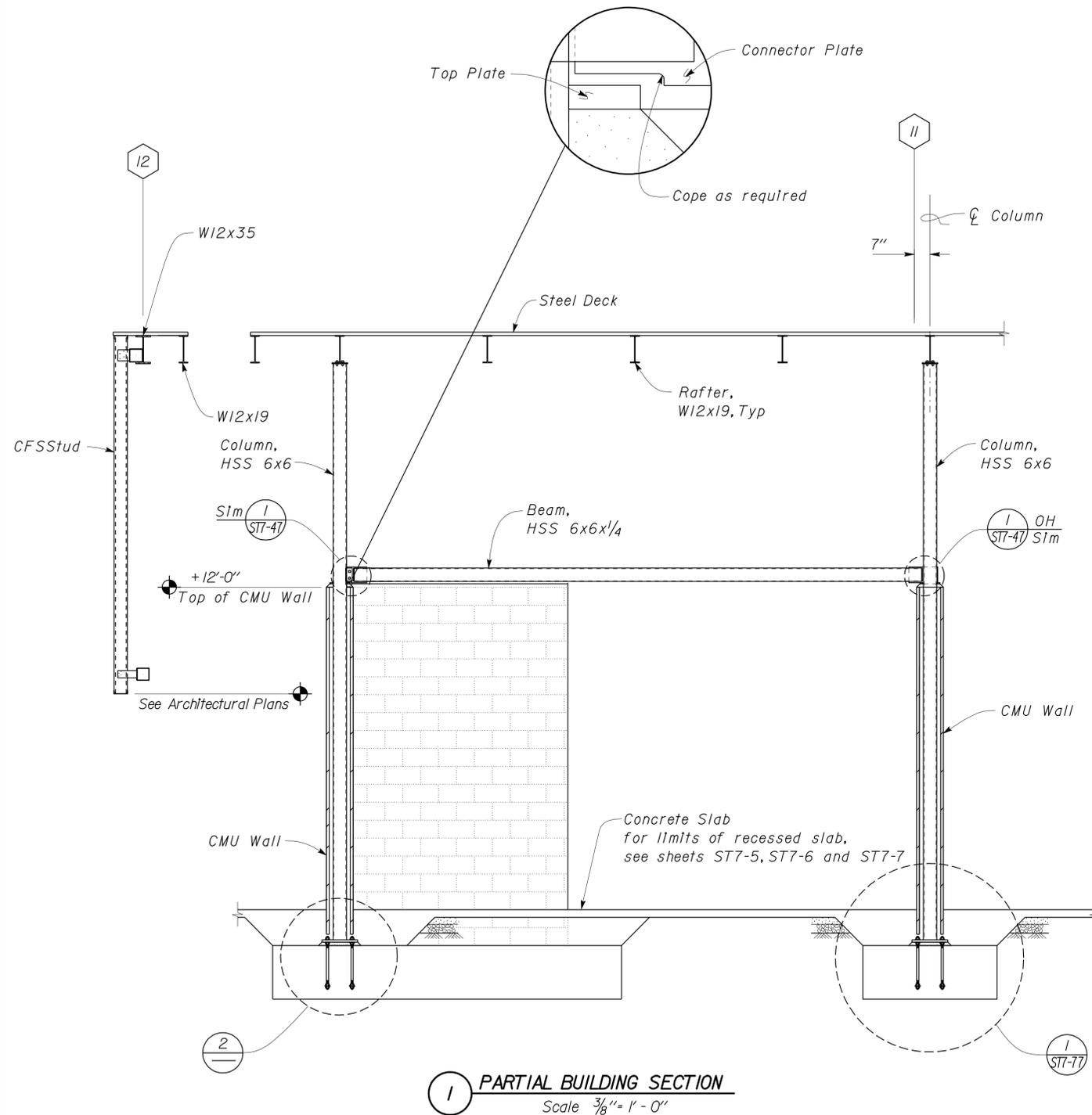
REVISION DATES (PRELIMINARY STAGE ONLY)			
03-11-10	11-13-12	12-10-12	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	479	710

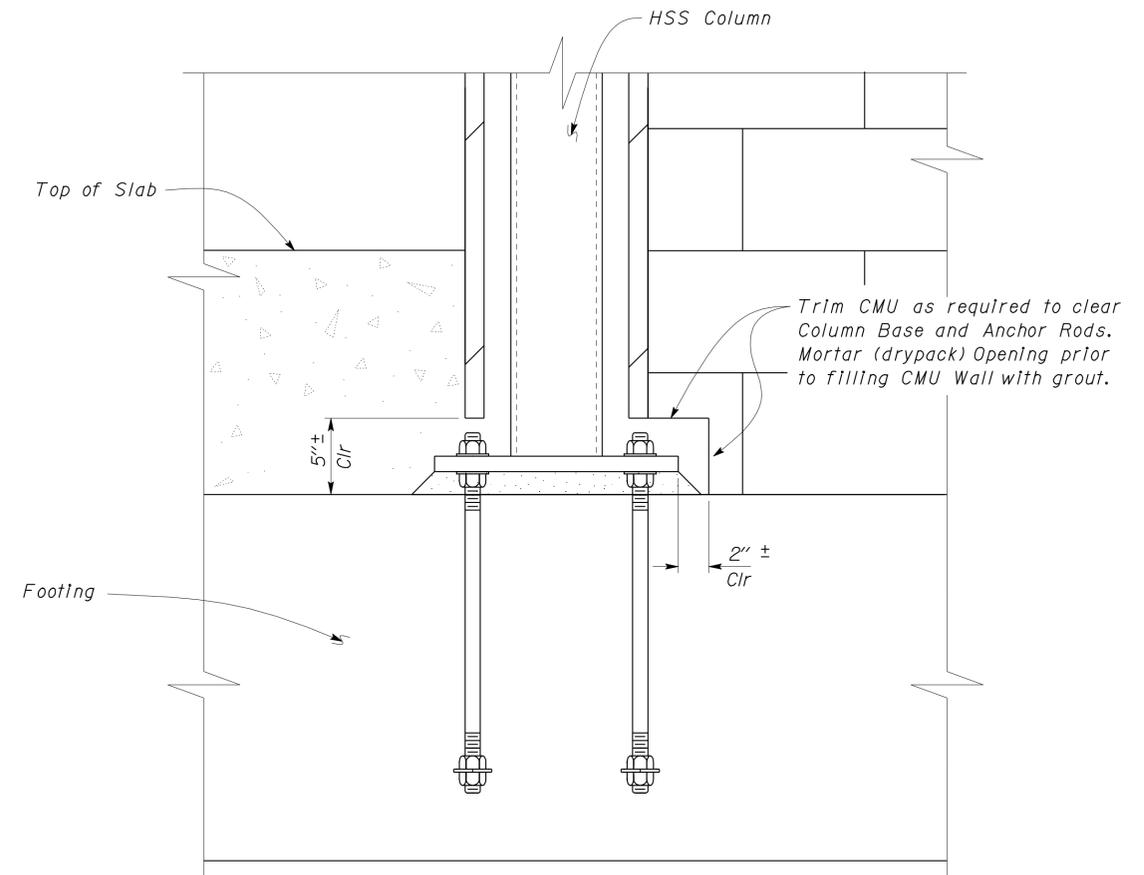
Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

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



2 CMU WALL AT COLUMN BASE DETAIL
Scale 2" = 1'-0"

DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

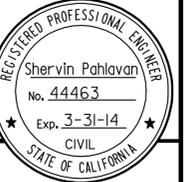
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
PARTIAL BUILDING SECTION

SHEET
ST7-29

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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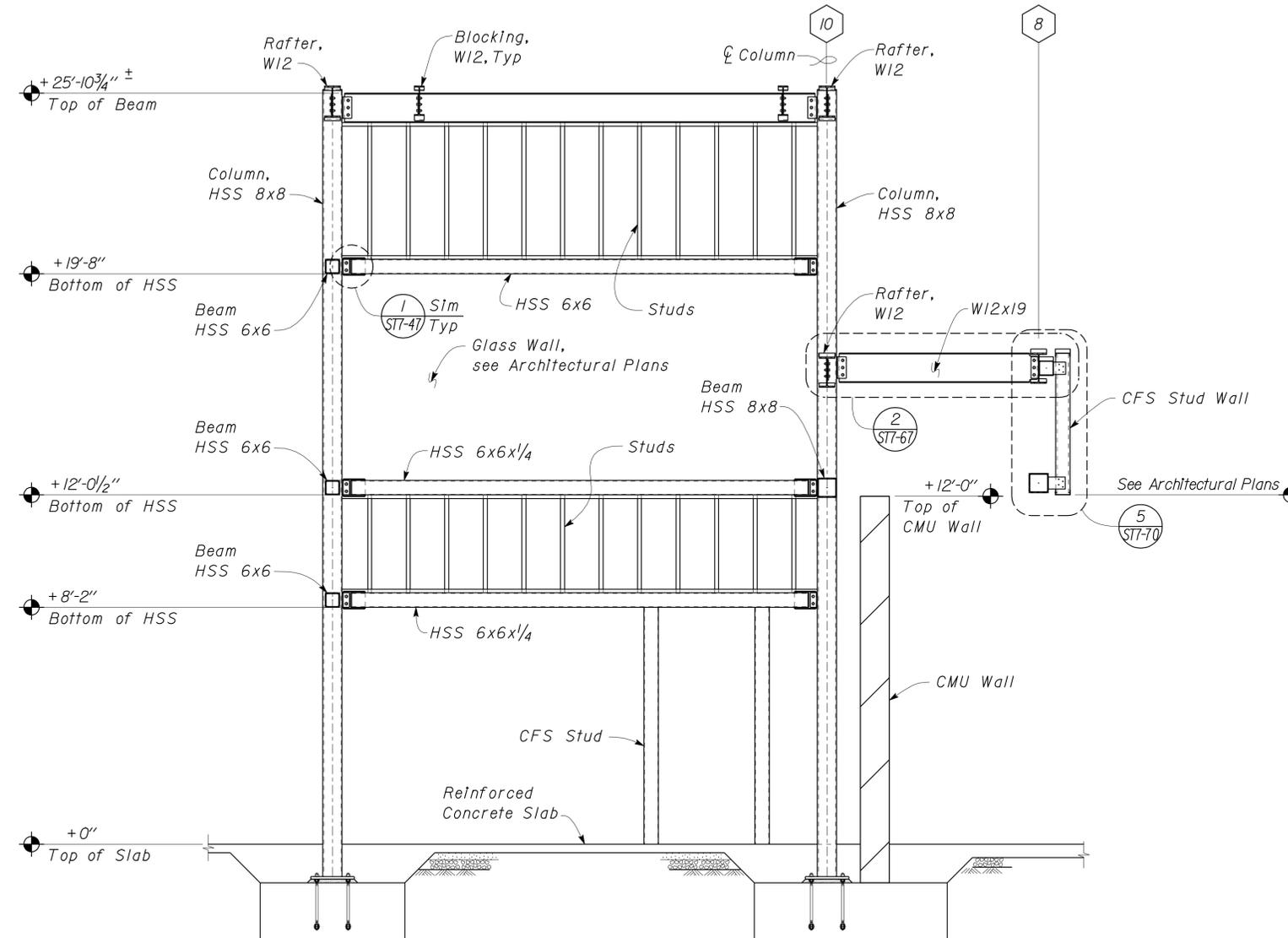
Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



2-25-13
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
Steel Deck Not Shown



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

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

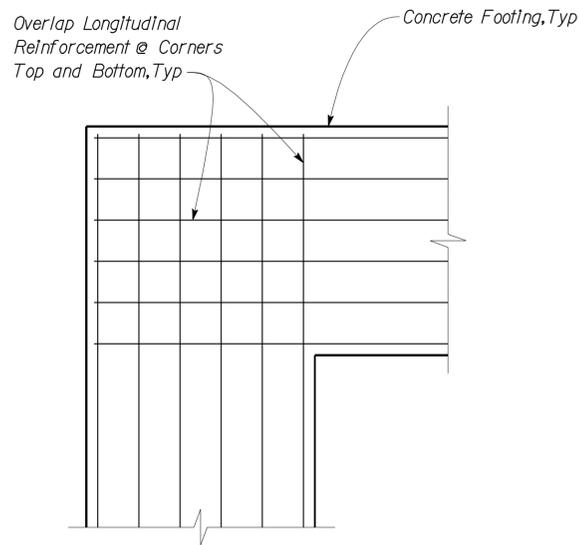
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
PARTIAL BUILDING SECTION

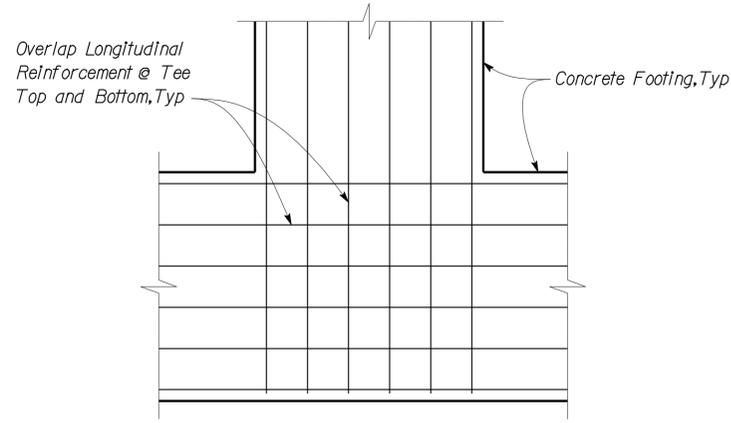
SHEET
ST7-30

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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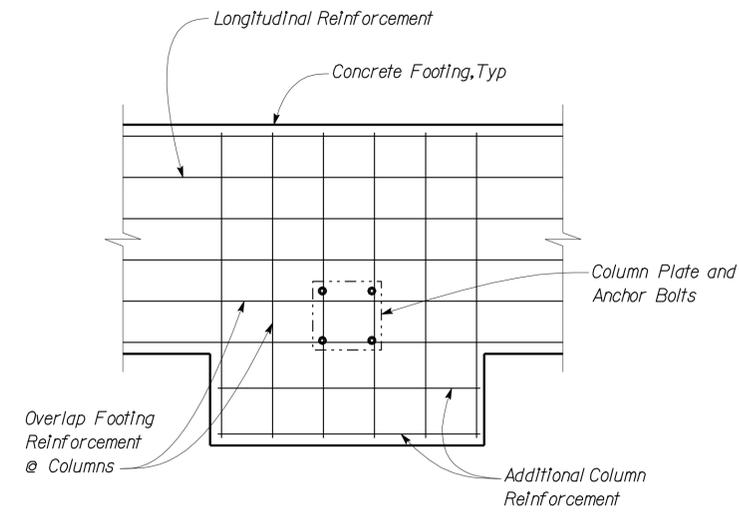
<i>Shervin Pahlavan</i> 11-21-12 REGISTERED CIVIL ENGINEER DATE		
2-25-13 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



1 CORNER REINFORCEMENT LAYOUT
Scale 1/2" = 1' - 0"

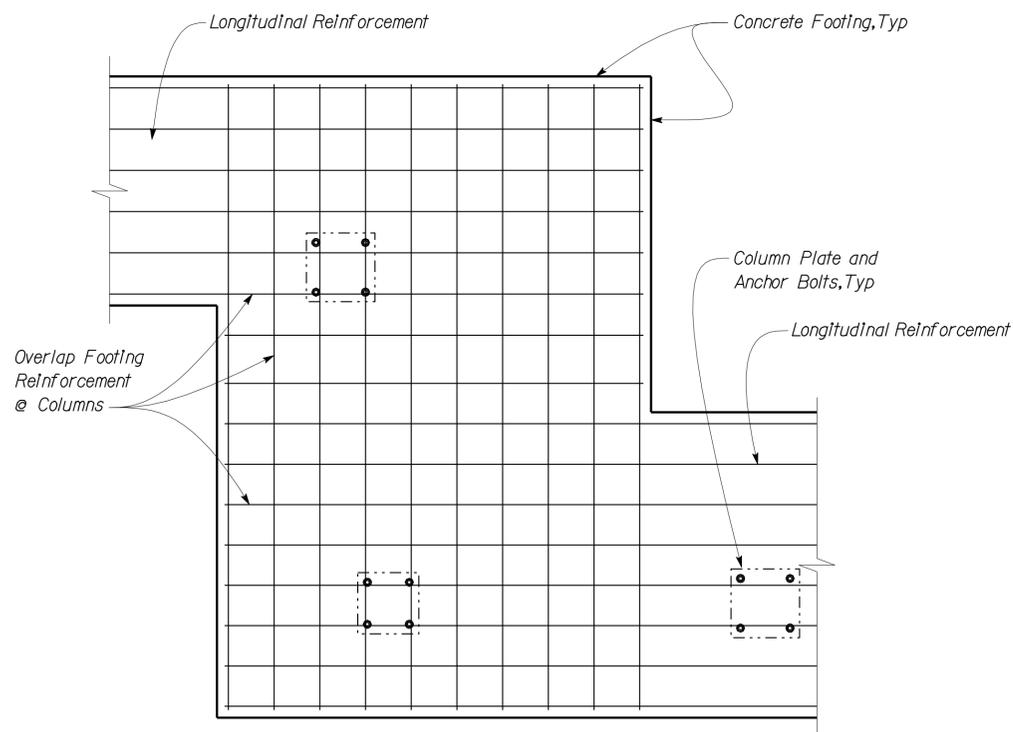


3 TEE REINFORCEMENT LAYOUT
Scale 1/2" = 1' - 0"

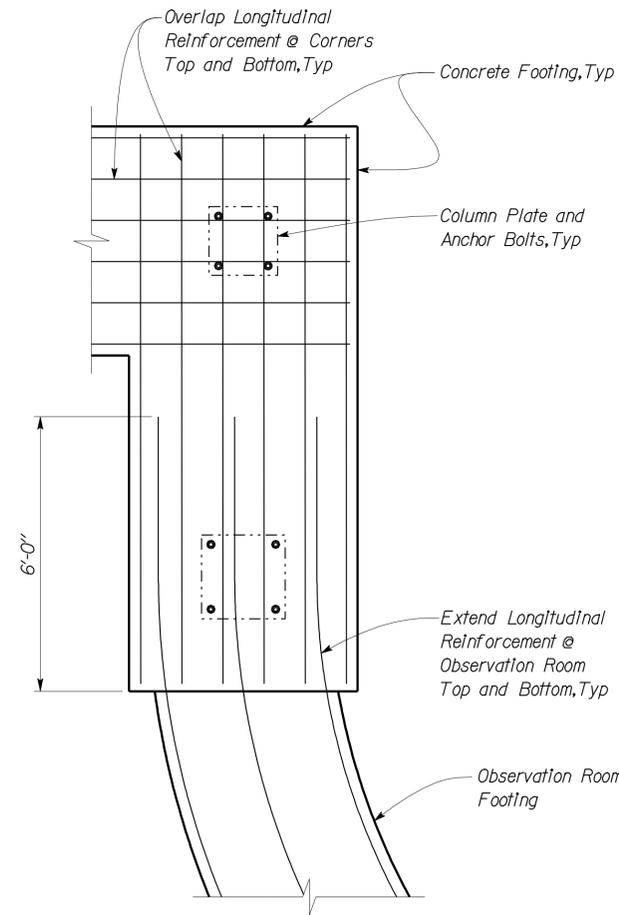


5 COLUMN REINFORCEMENT LAYOUT
Scale 1/2" = 1' - 0"

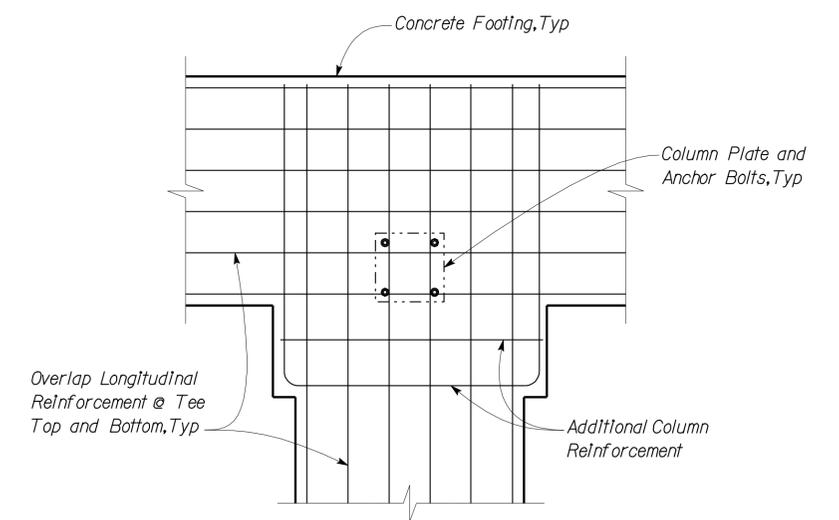
- A DETAIL NOTES**
1. For reinforcement not shown see footing details.
 2. CMU walls not shown.
 3. Column Anchors and Base Plates shown for reference.



2 OVERLAP REINFORCEMENT LAYOUT
Scale 1/2" = 1' - 0"



4 OBSERVATION ROOM REINFORCEMENT LAYOUT
Scale 1/2" = 1' - 0"



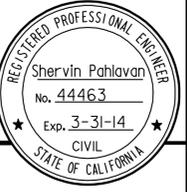
6 TEE REINFORCEMENT @ COLUMN LAYOUT
Scale 1/2" = 1' - 0"

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JPOE	SHEET ST7-31
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 08000006281	CVF CHP OFFICE	REVISION DATES (PRELIMINARY STAGE ONLY) 03-11-10 11-01-12 12-10-12	SHEET OF
QUANTITIES BY	CHECKED	EA 368501	DISREGARD PRINTS BEARING EARLIER REVISION DATES			

26-FEB-2013 10:52

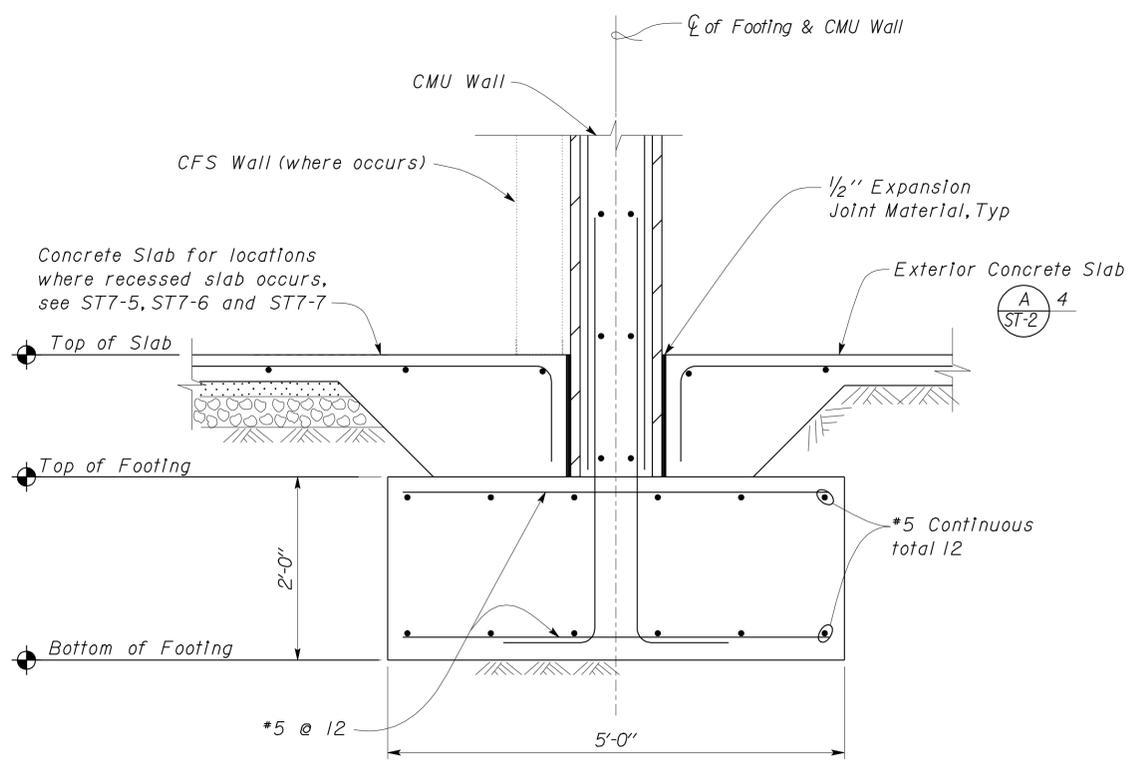
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	482	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE



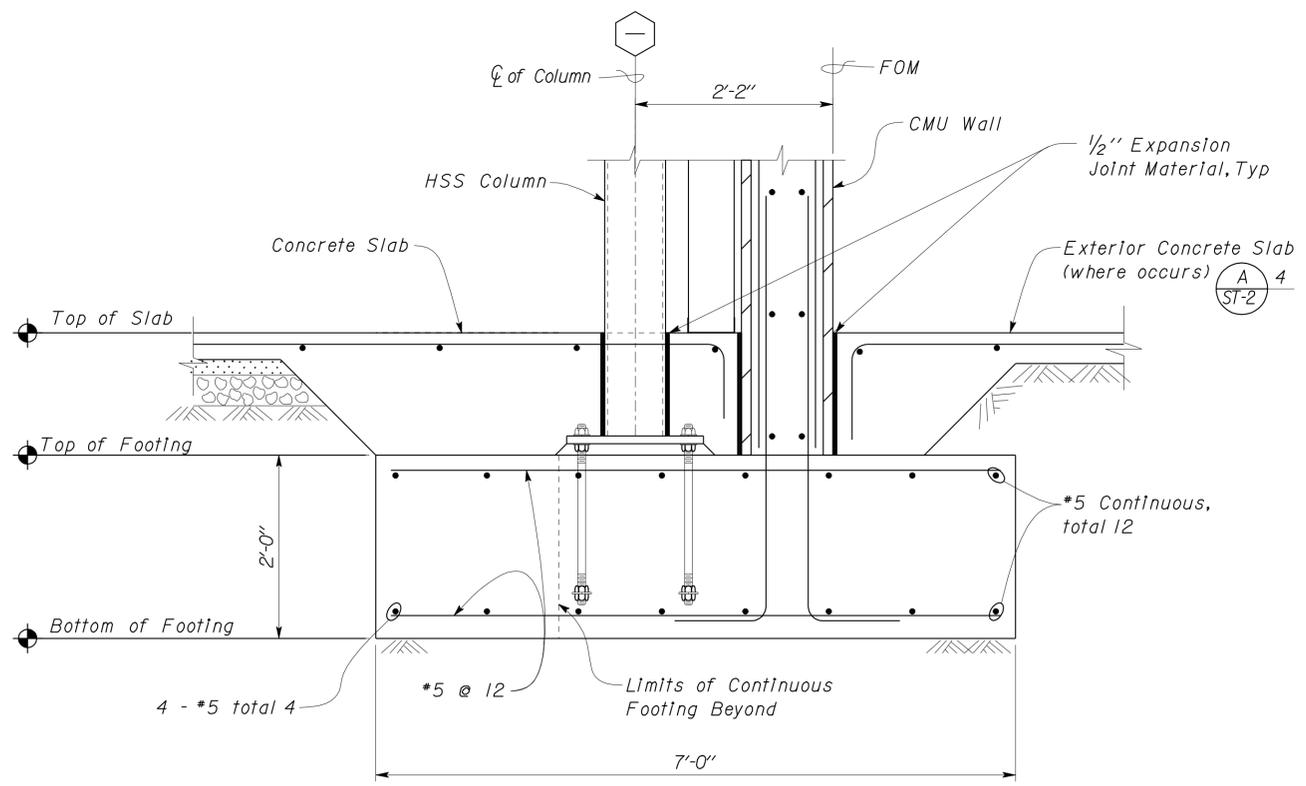
2-25-13
PLANS APPROVAL DATE

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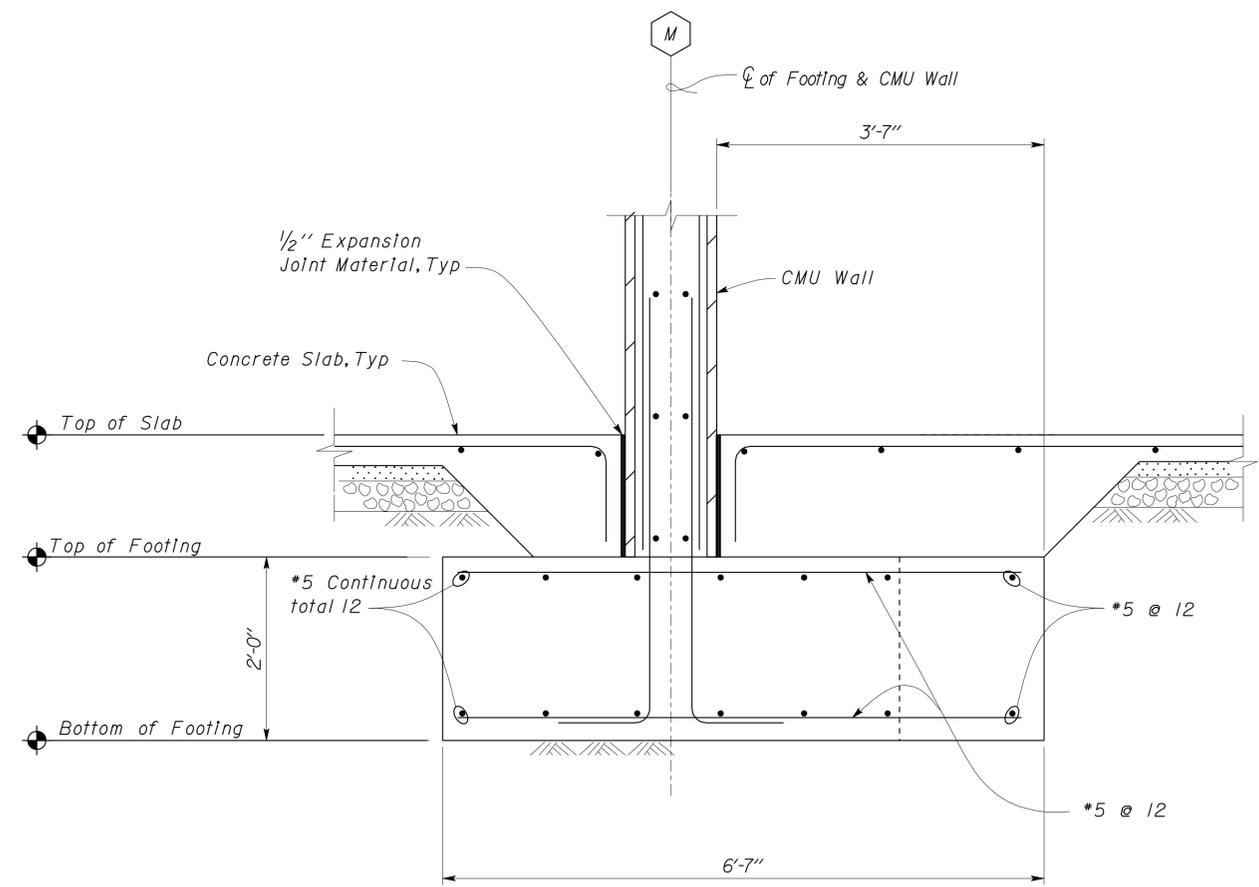
1 FOOTING DETAIL
Scale 1" = 1'-0"

Note
Where landscaping occurs next to Masonry Wall, see Architectural Plans for drainage details.



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

Note
Where landscaping occurs next to Masonry Wall, see Architectural Plans for drainage details.



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

Note
Where landscaping occurs next to Masonry Wall, see Architectural Plans for drainage details.

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
FOOTING DETAILS

SHEET **ST7-32** OF

TAEMWW Imperial Rev. 7/10

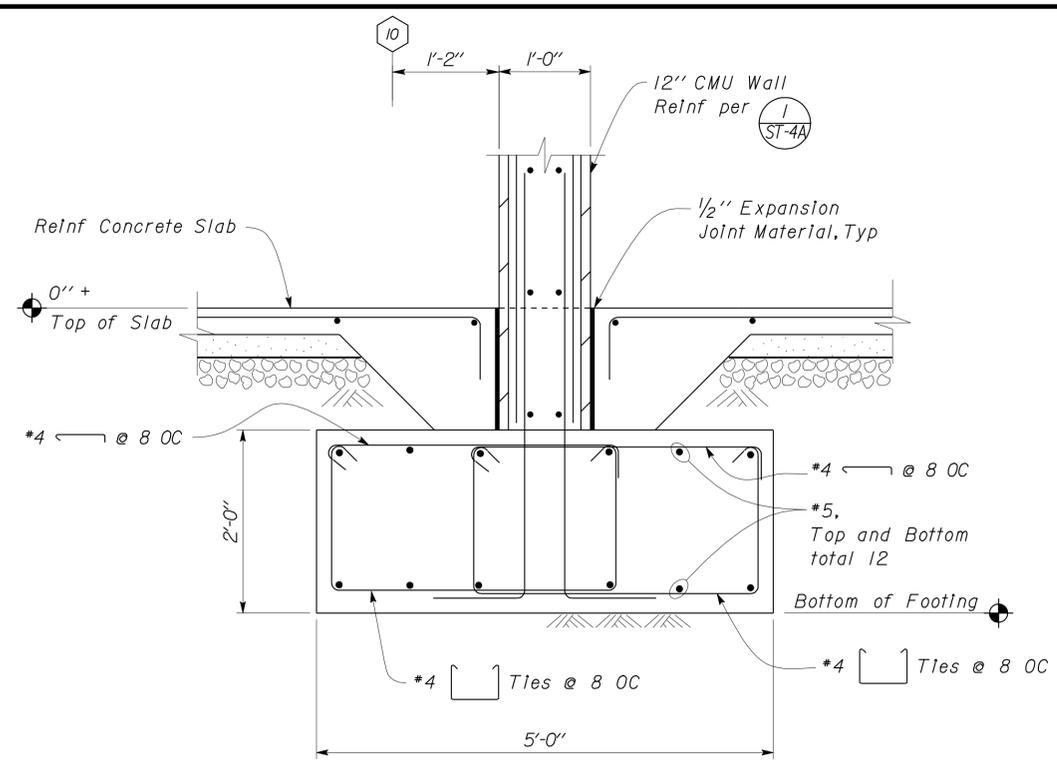
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE
3599 08000006281

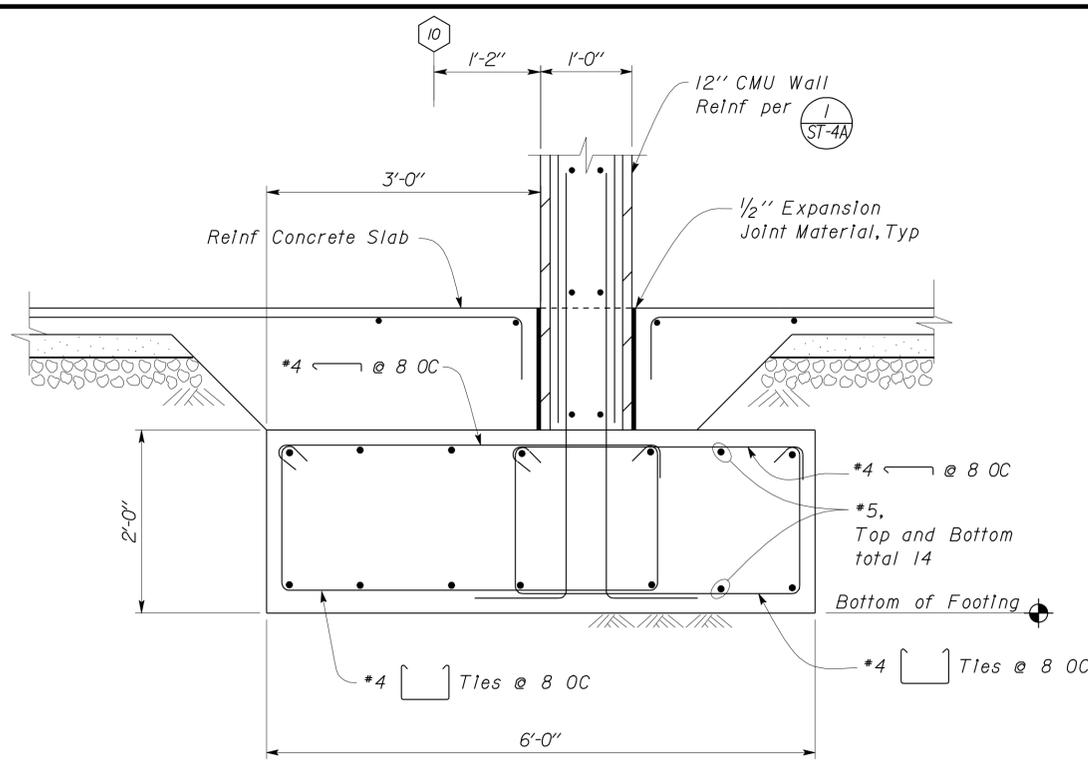
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
08-16-10 11-13-12 12-10-12		

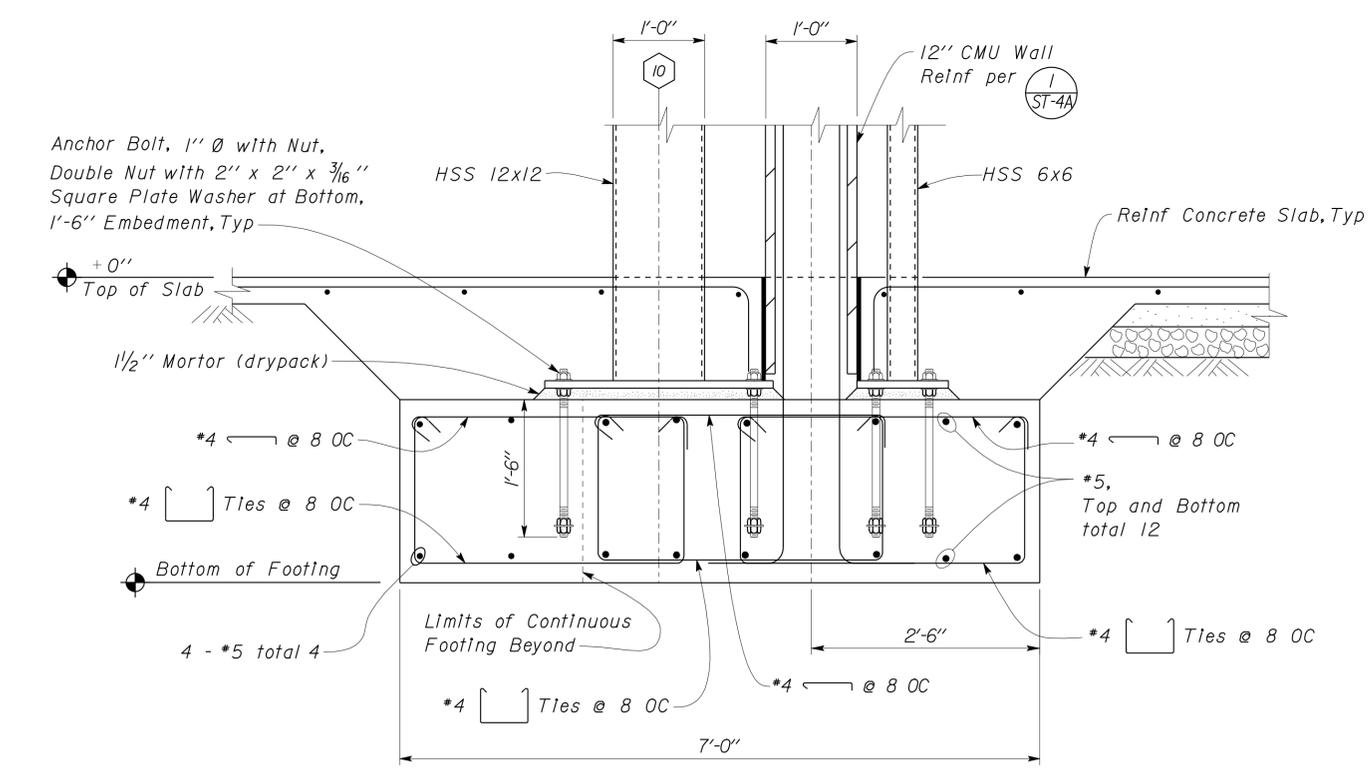
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	483	710
<i>Shervin Pahlavan</i> REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



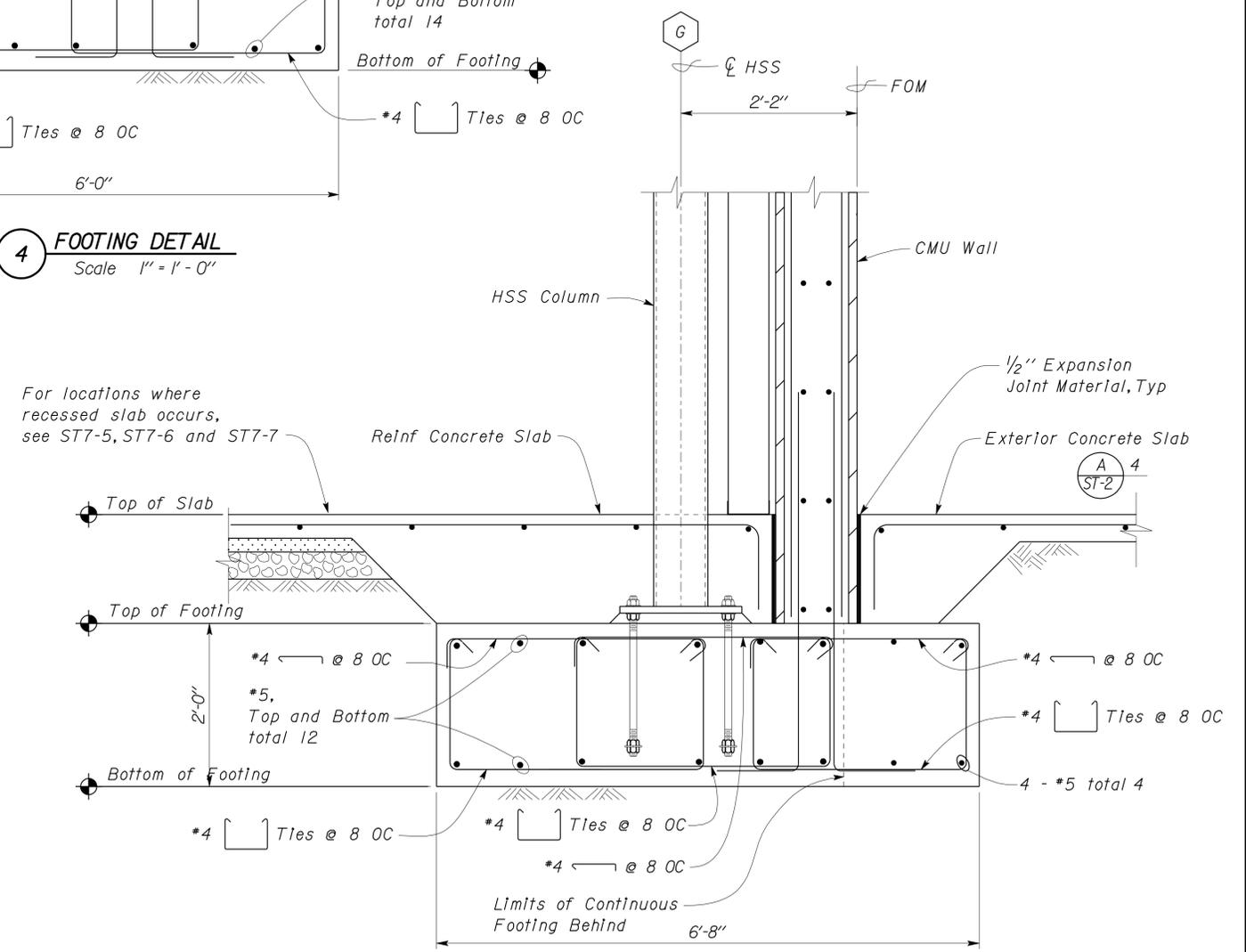
1 FOOTING DETAIL
Scale 1" = 1'-0"



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



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



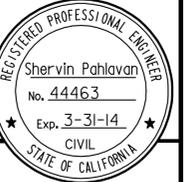
3 FOOTING DETAIL
Scale 1" = 1'-0"

DESIGN	BY	Shervin Pahlavan	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET ST7-33
	DETAILS	BY	Andrew Lovato	CHECKED				Shervin Pahlavan	POST MILE 177.3/181.1	
QUANTITIES	BY		CHECKED		UNIT PROJECT NUMBER & PHASE	3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	08-16-10 11-09-12 2-10-12	

26-FEB-2013 10:53

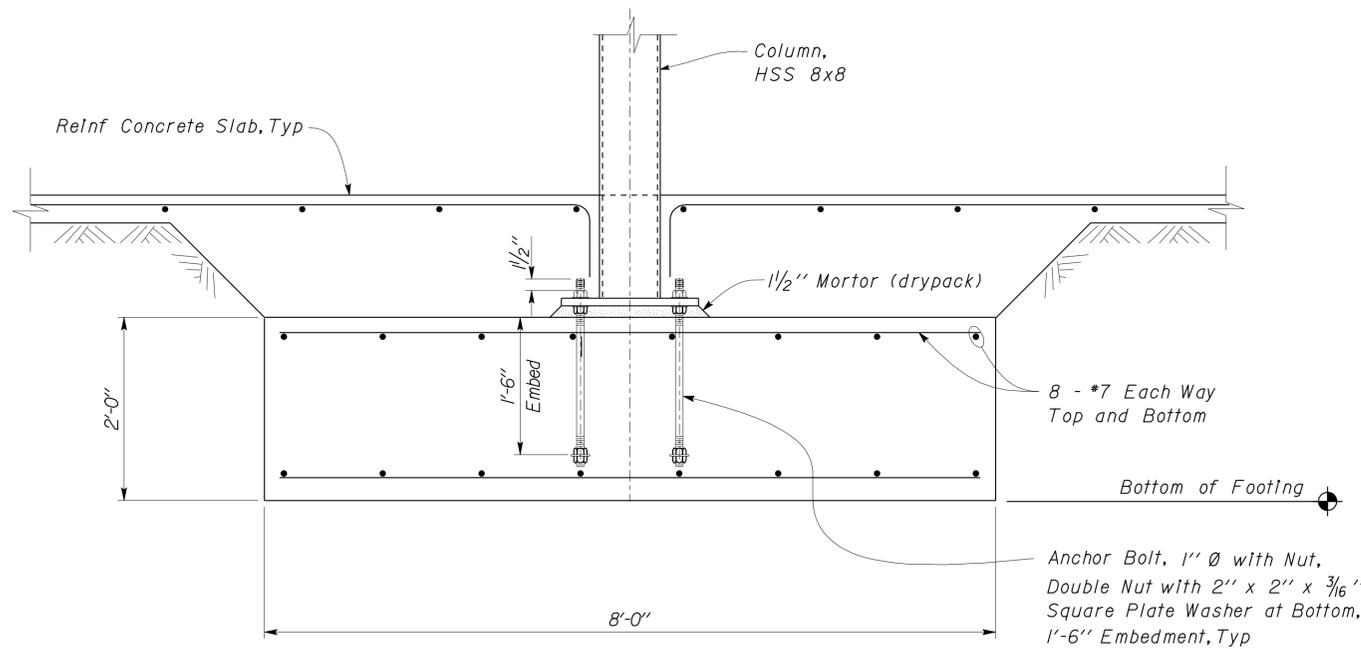
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	484	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE

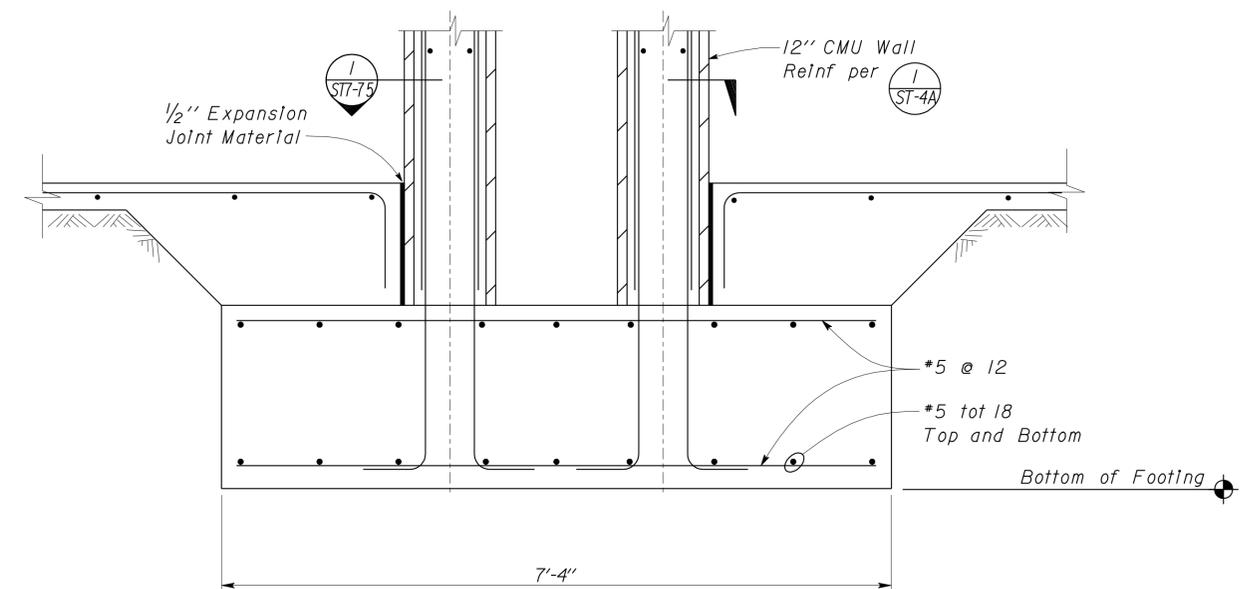


2-25-13
PLANS APPROVAL DATE

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



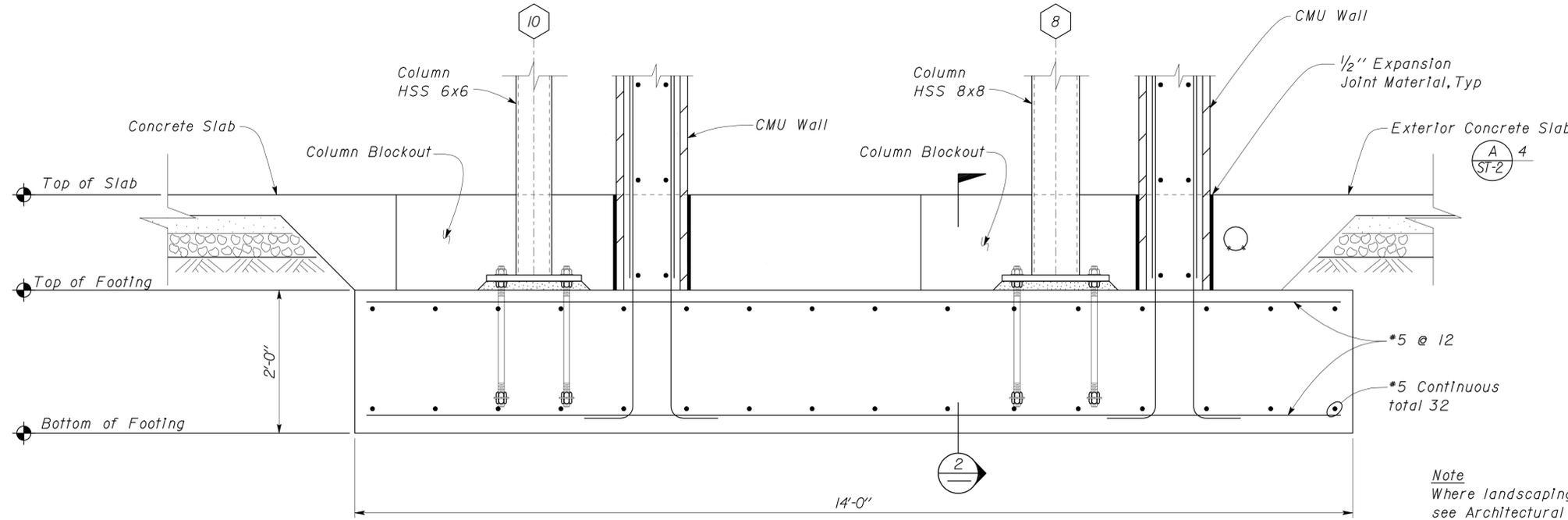
2 FOOTING DETAIL
Scale 1" = 1'-0"

DESIGN BY Shervin Pahlavan	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-34
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED Shervin Pahlavan	UNIT 3599	PROJECT NUMBER & PHASE 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	0	1	2	3	OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	485	710

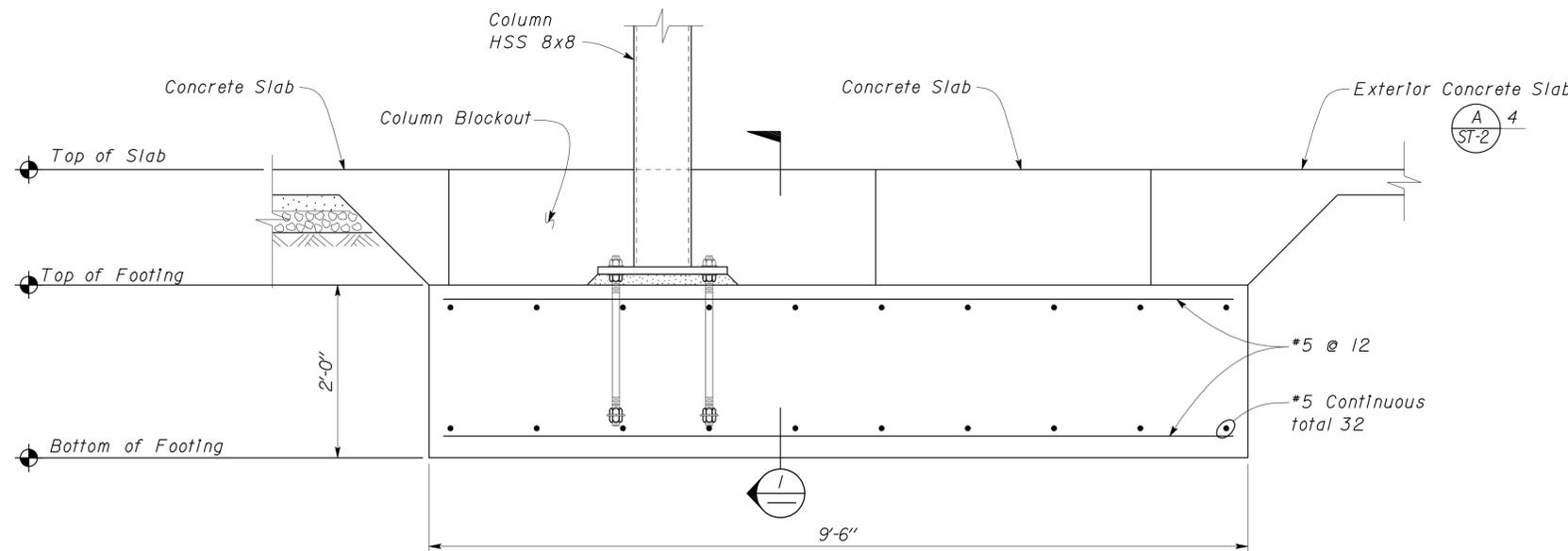
Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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Note
 Where landscaping occurs next to Masonry Wall, see Architectural Plans for drainage details.

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



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

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

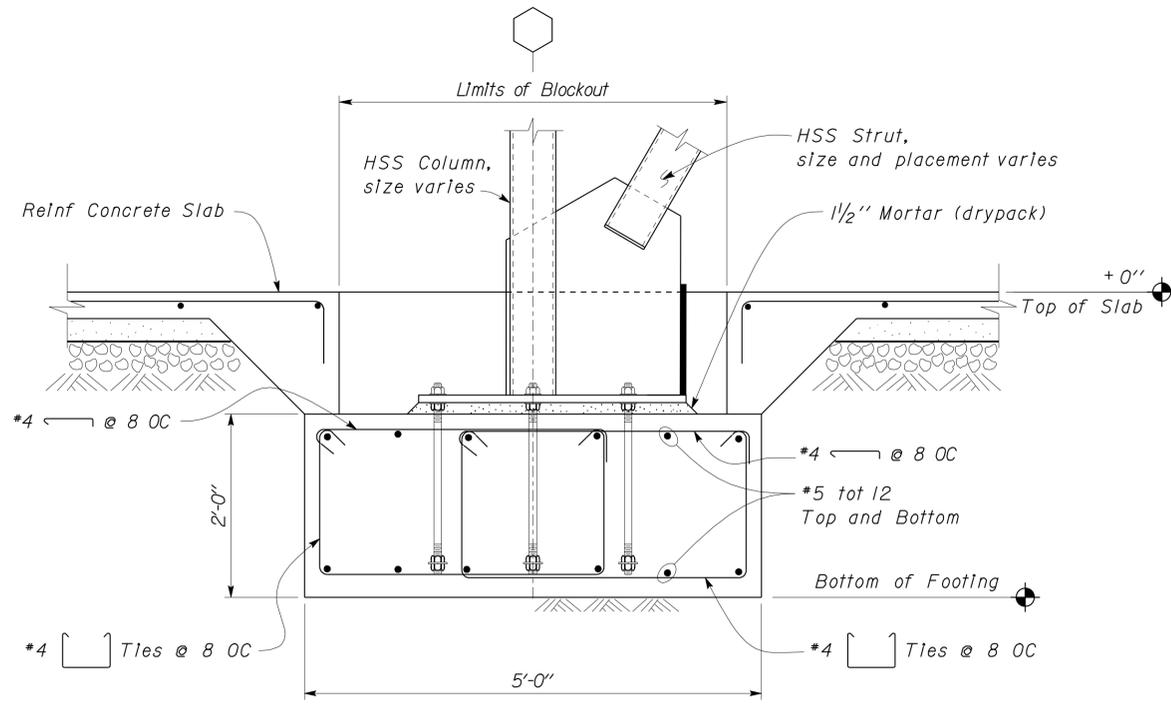
BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE		SHEET	ST7-35
FOOTING DETAILS		OF	

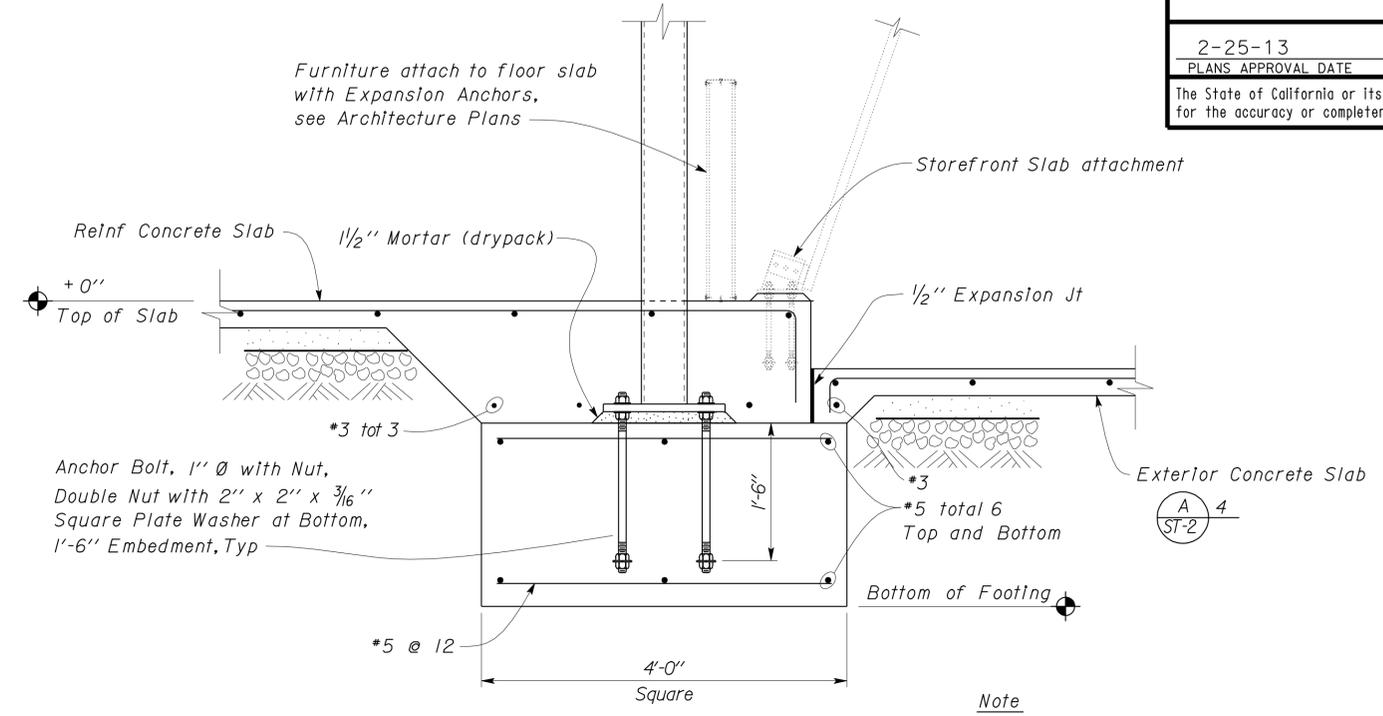
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	486	710

Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE
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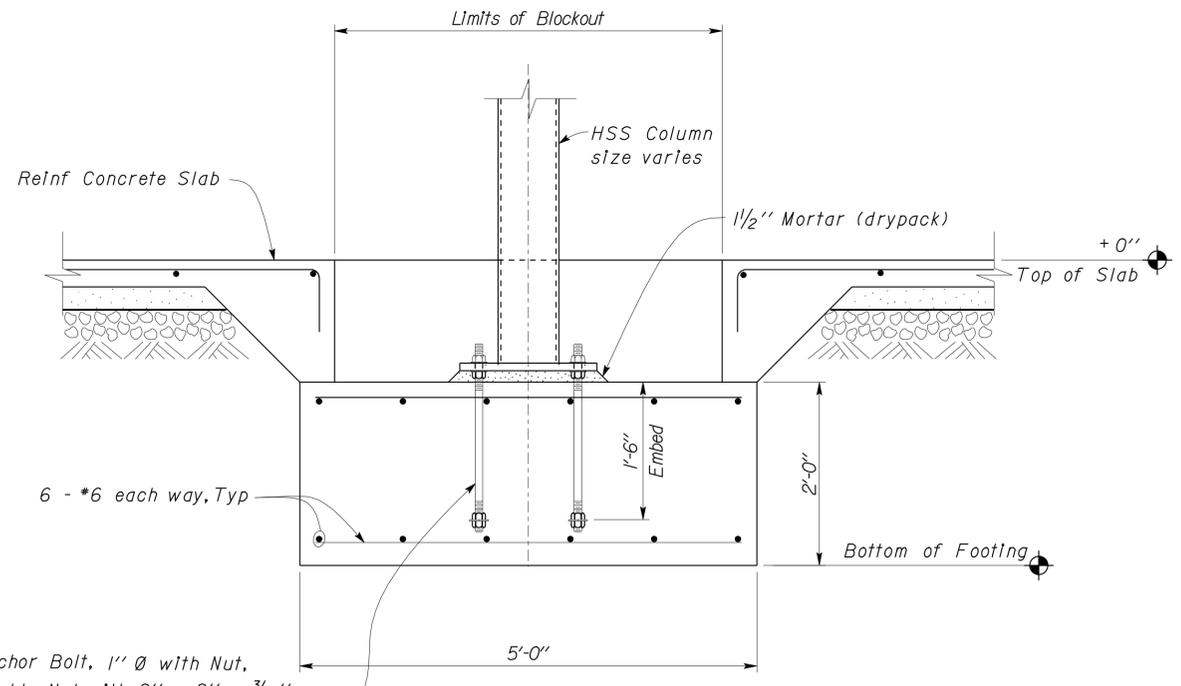


1 BRACED FRAME COLUMN FOOTING DETAIL
Scale 1" = 1'-0"



3 OBSERVATION SECTION
Scale 1" = 1'-0"

Note
Coordinate anchorage and embedments for Storefront with Manufacturer, subject to approved by Engineer



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

DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

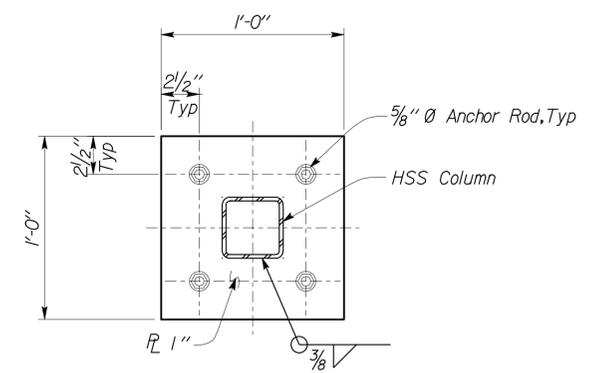
DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

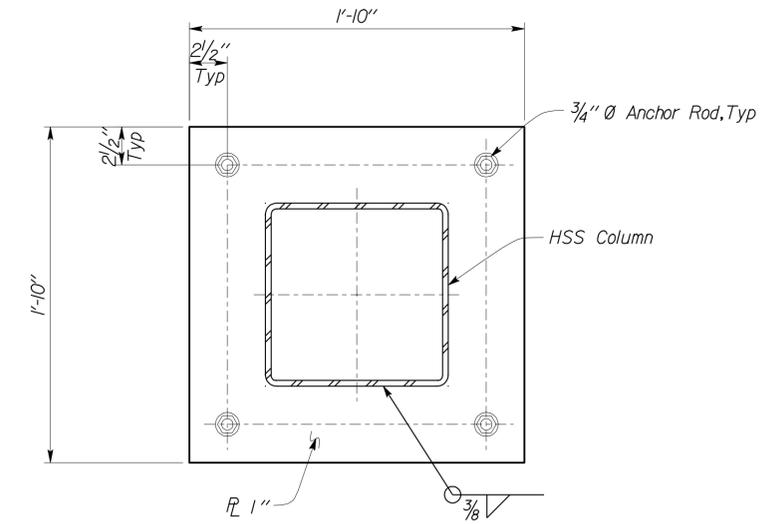
MOUNTAIN PASS JOE
 FOOTING DETAILS

SHEET ST7-36

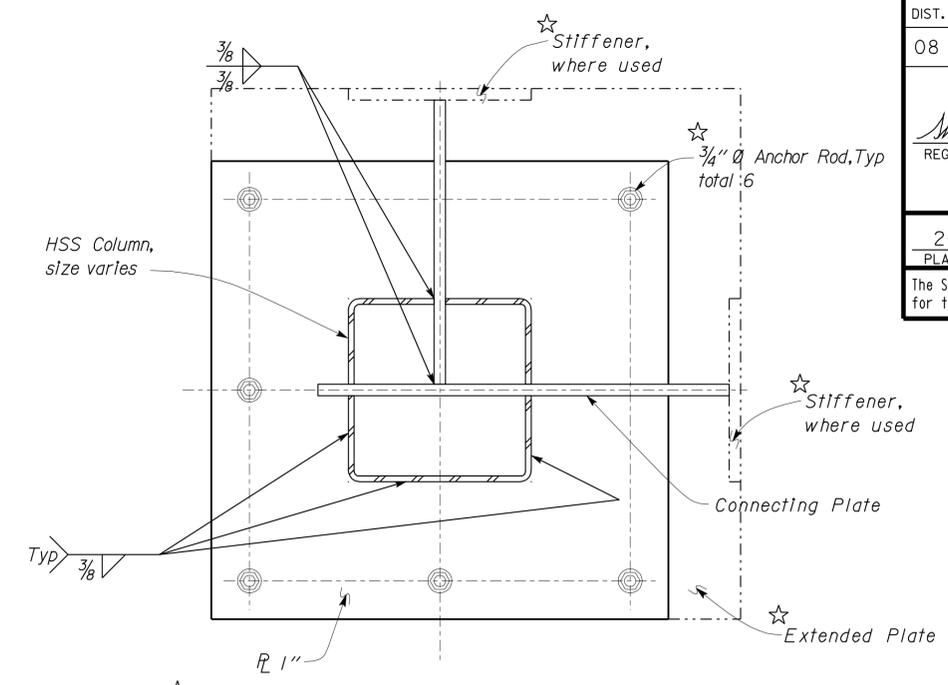
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	487	710
Shervin Pahlavan REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 PLANS APPROVAL DATE					
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1 HSS 4x4 COLUMN BASEPLATE
Scale 2" = 1'-0"

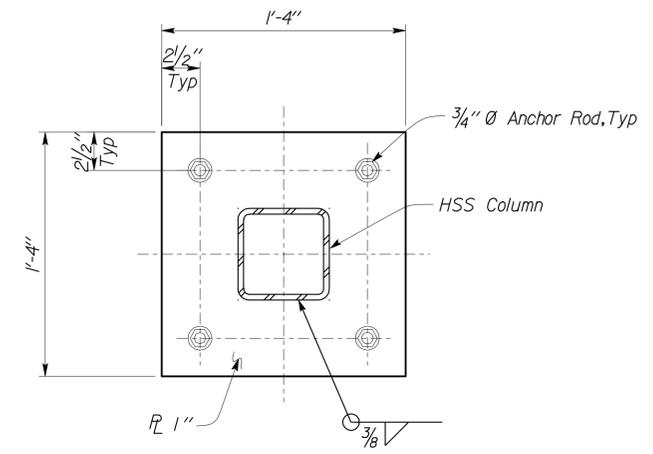


4 HSS 12x12 COLUMN BASEPLATE
Scale 2" = 1'-0"

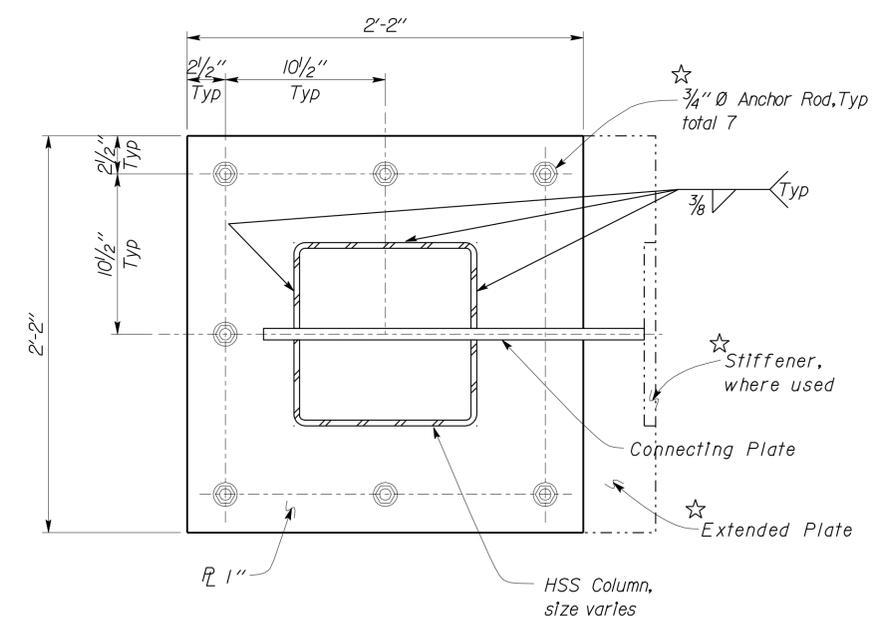


- ☆ **Note**
- For Dimensions not shown, see **5**.
 - Omit Anchor Rod under the Connecting Plate; where occurs.
 - Anchor Rod Option:**
Install ALL Anchor Rods, cut top off Anchor Rod(s), where located under a Connecting Plate.
 - Extend Base Plate as required, to provide full support under Connecting Plate and Stiffener.

6 BRACED FRAME COLUMN BASEPLATE B
Scale 2" = 1'-0"

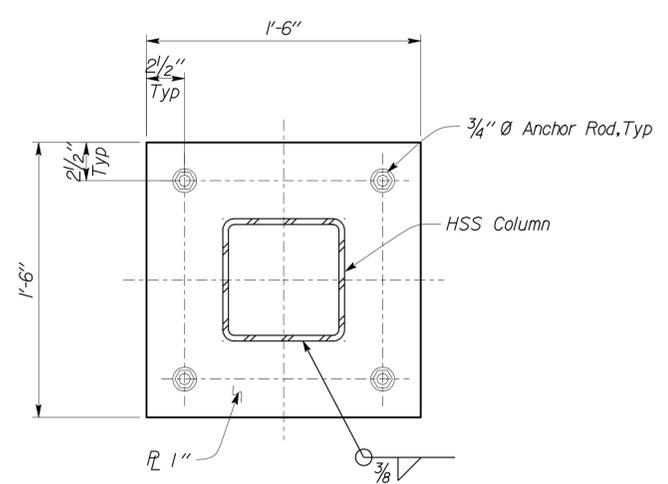


2 HSS 6x6 COLUMN BASEPLATE
Scale 2" = 1'-0"

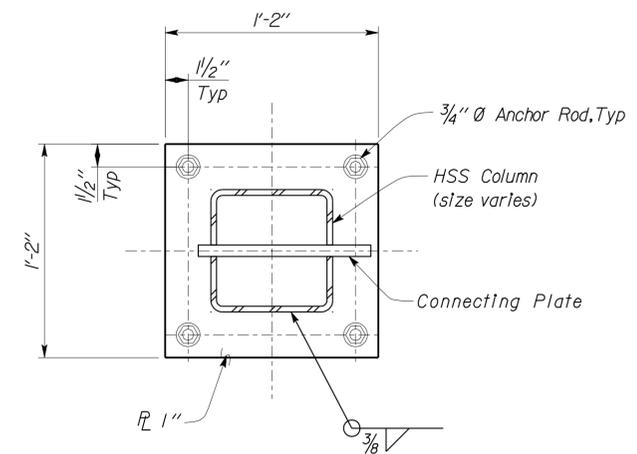


- ☆ **Note**
- Connection Plate orientation varies, see plans for actual arrangement.
 - Omit Anchor Rod under the Connecting Plate; where occurs.
 - Anchor Rod Option:**
Install ALL Anchor Rods, cut top off Anchor Rod, where located under a Connecting Plate.
 - Extend Base Plate as required, to provide full support under Connecting Plate and Stiffener.

5 BRACED FRAME COLUMN BASEPLATE A
Scale 2" = 1'-0"



3 HSS 8x8 COLUMN BASEPLATE
Scale 2" = 1'-0"

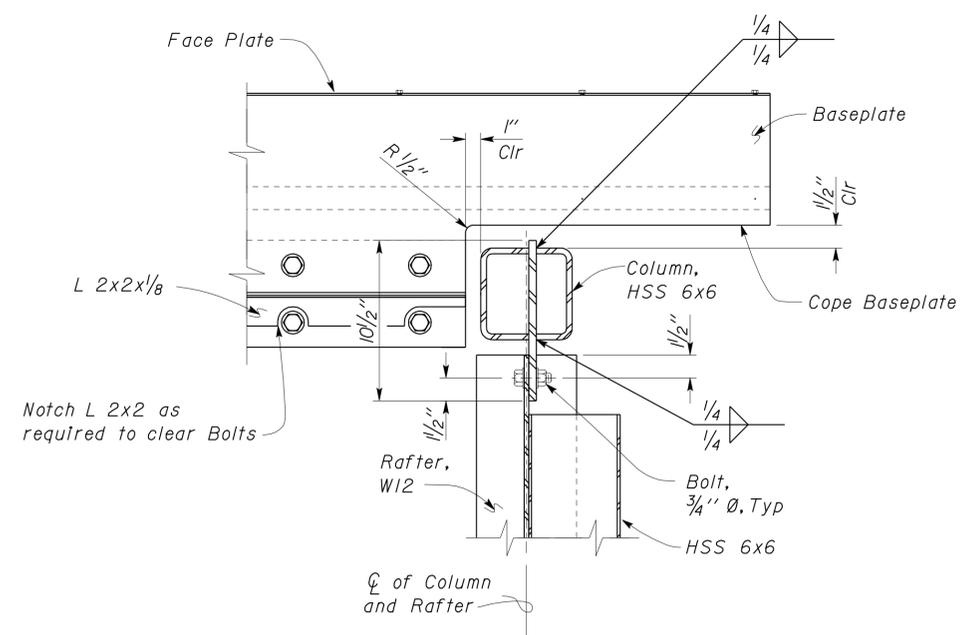


7 HSS COLUMN BASEPLATE
Scale 2" = 1'-0"

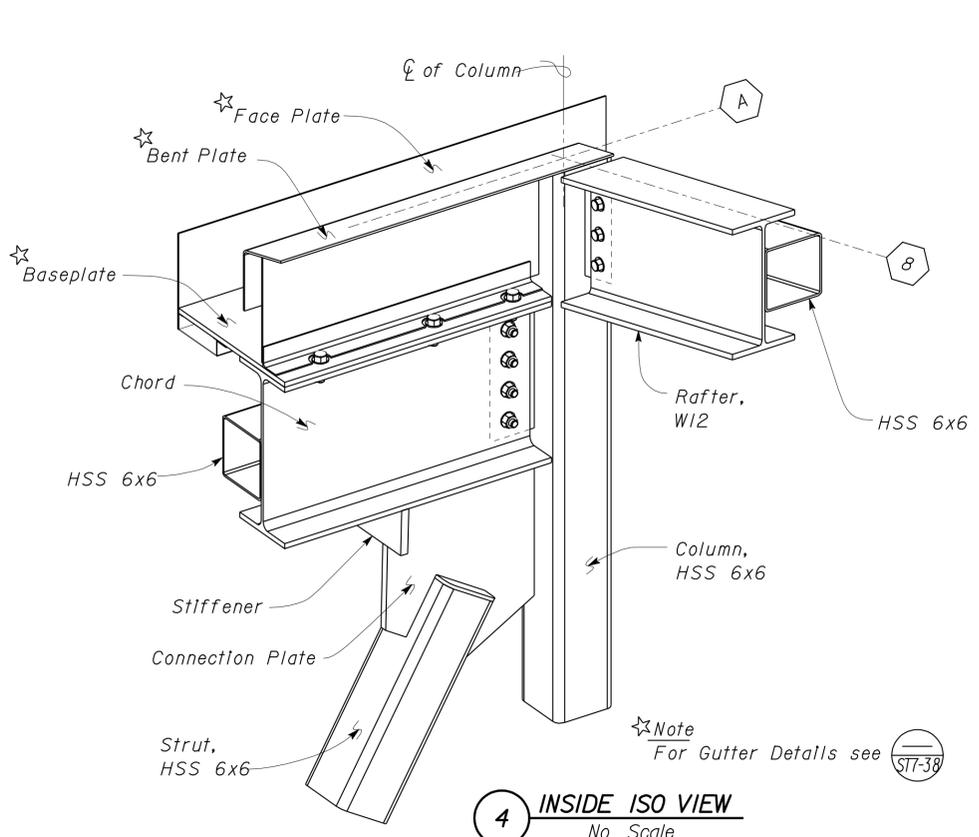
DESIGN	BY	Shervin Pahlavan	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	54-1216J		MOUNTAIN PASS JOE	SHEET ST7-37
	DETAILS	BY	Andrew Lovato	CHECKED			Shervin Pahlavan	POST MILE	177.3/181.1		
QUANTITIES	BY		CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	03-11-10 11-01-12 12-10-12	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	489	710

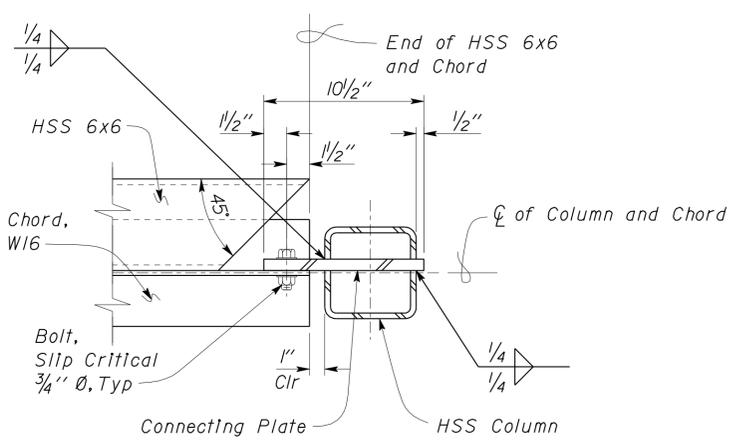
Shervin Pahlavan 11-27-12 REGISTERED CIVIL ENGINEER DATE		
2-25-13 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



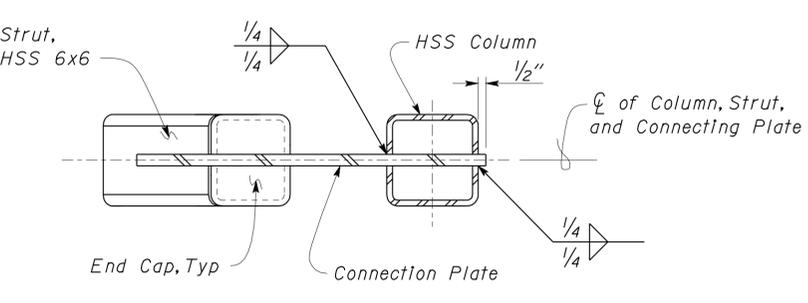
1 RAFTER TO COLUMN DETAIL
Scale 2" = 1'-0"



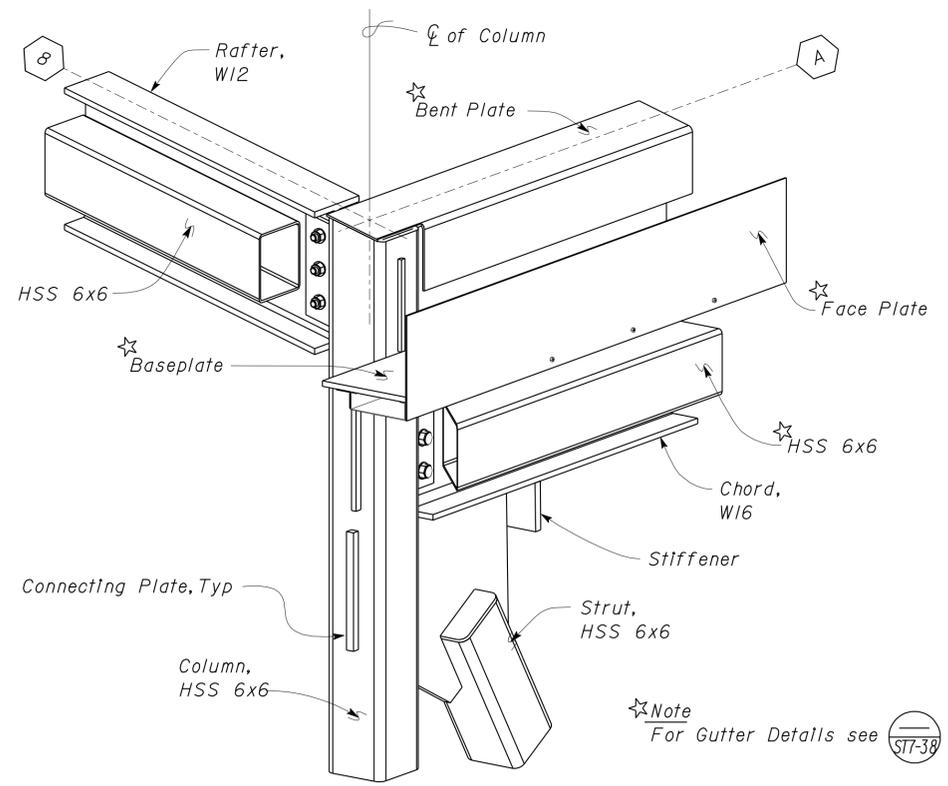
4 INSIDE ISO VIEW
No Scale



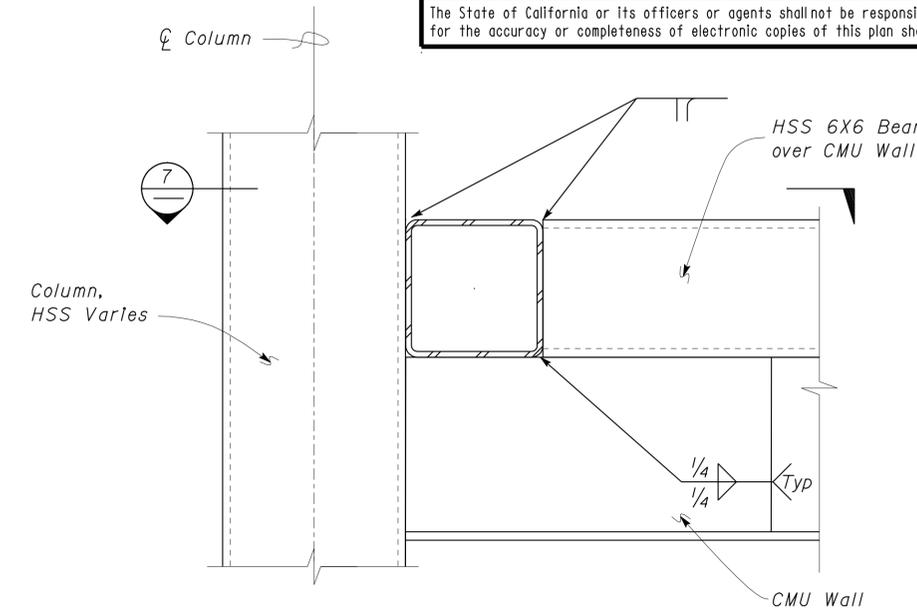
2 CHORD TO COLUMN DETAIL
Scale 2" = 1'-0"



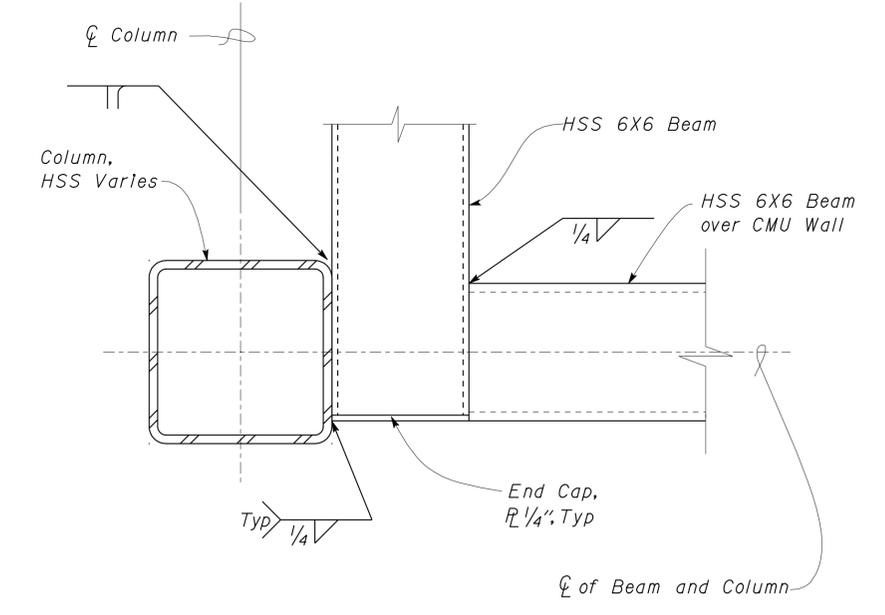
3 STRUT TO COLUMN DETAIL
Scale 2" = 1'-0"



5 OUTSIDE ISO VIEW
No Scale



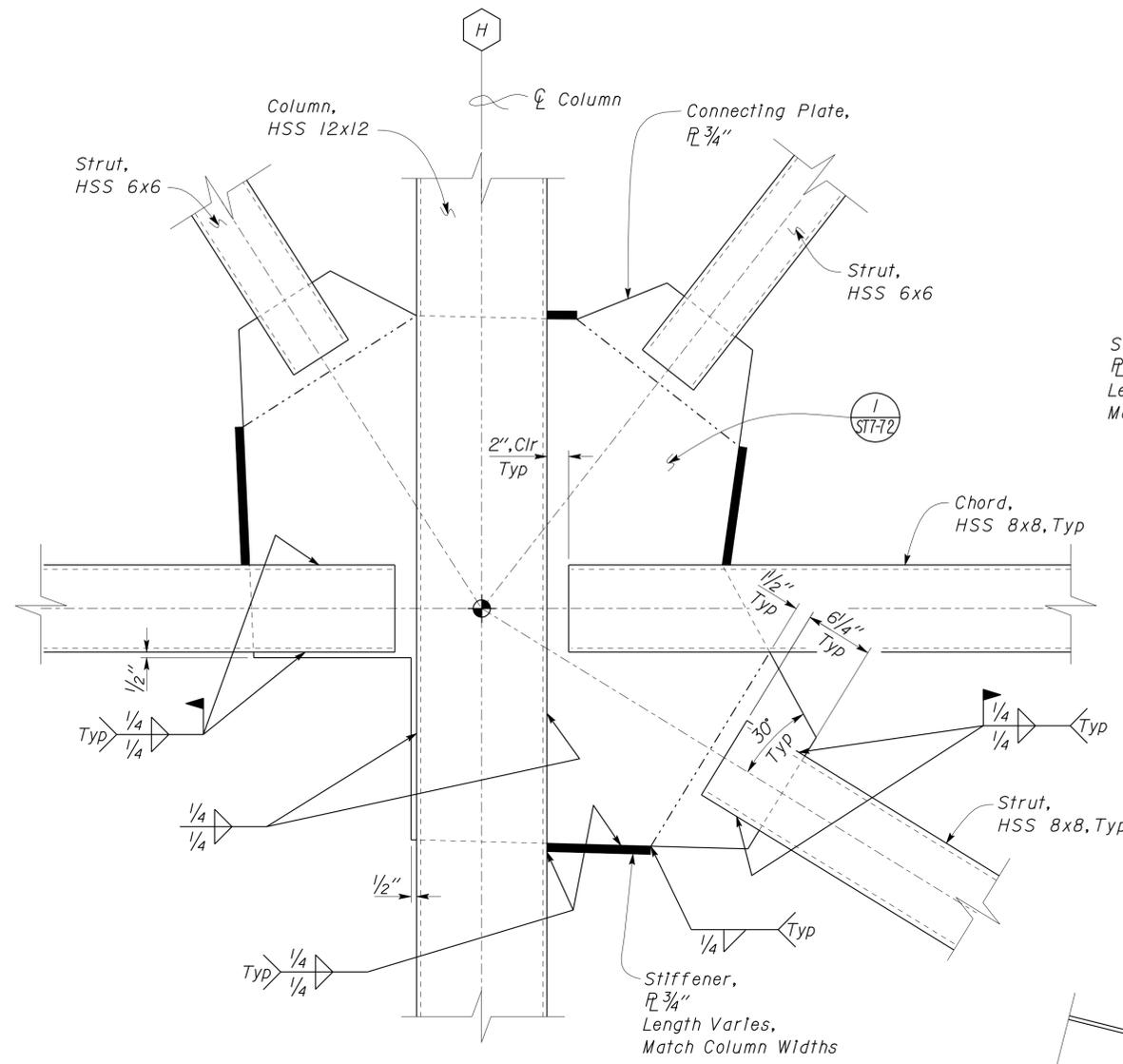
6 HSS BEAM TO COLUMN DETAIL
Scale 3" = 1'-0"



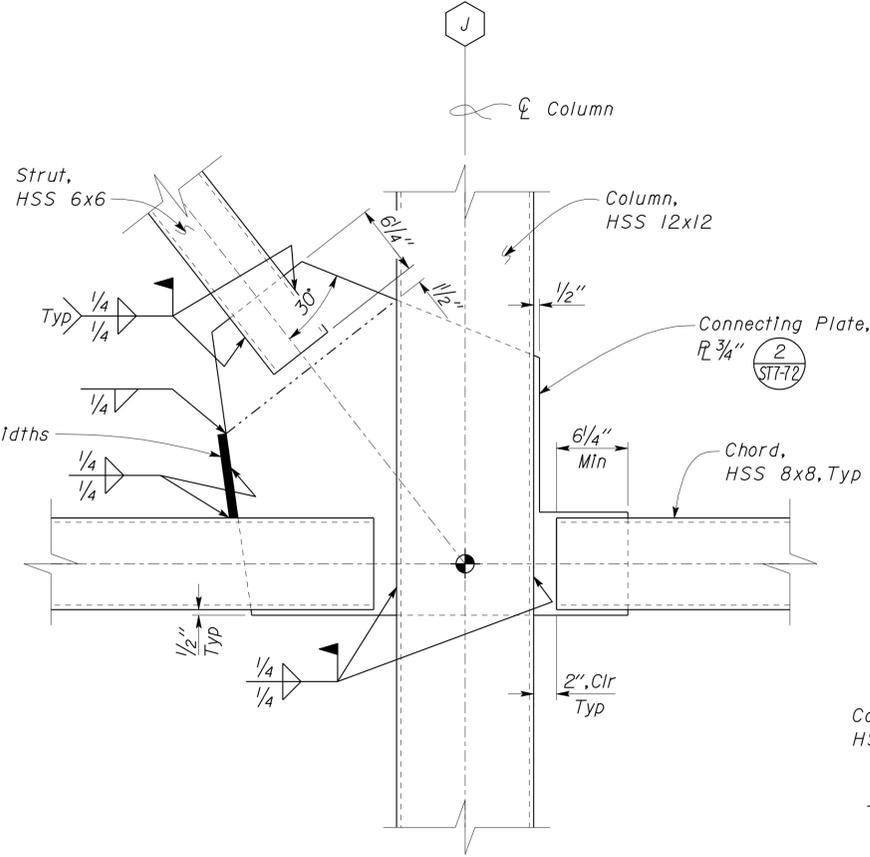
7 HSS BEAM TO COLUMN SECTION
Scale 3" = 1'-0"

DESIGN	BY	Shervin Pahlavan	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE		SHEET ST7-39		
	DETAILS	BY	Andrew Lovato	CHECKED				Shervin Pahlavan	BRACED FRAME CORNER DETAILS			
QUANTITIES	BY		CHECKED		UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	03-11-10	11-27-12	12-10-12	OF
EA 368501					PROJECT NUMBER & PHASE		08000006281	D:\user\Projects\A Expedite Process Folder\st7_039.dgn		26-FEB-2013 10:53		

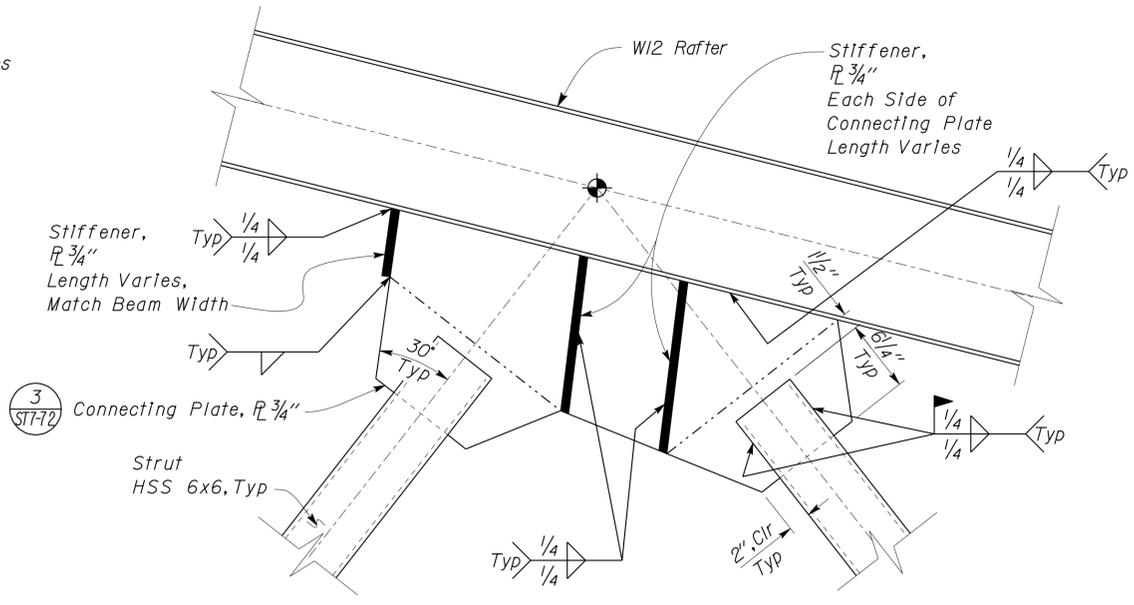
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	490	710
Shervin Pahlavan 11-27-12 REGISTERED CIVIL ENGINEER DATE					
2-25-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



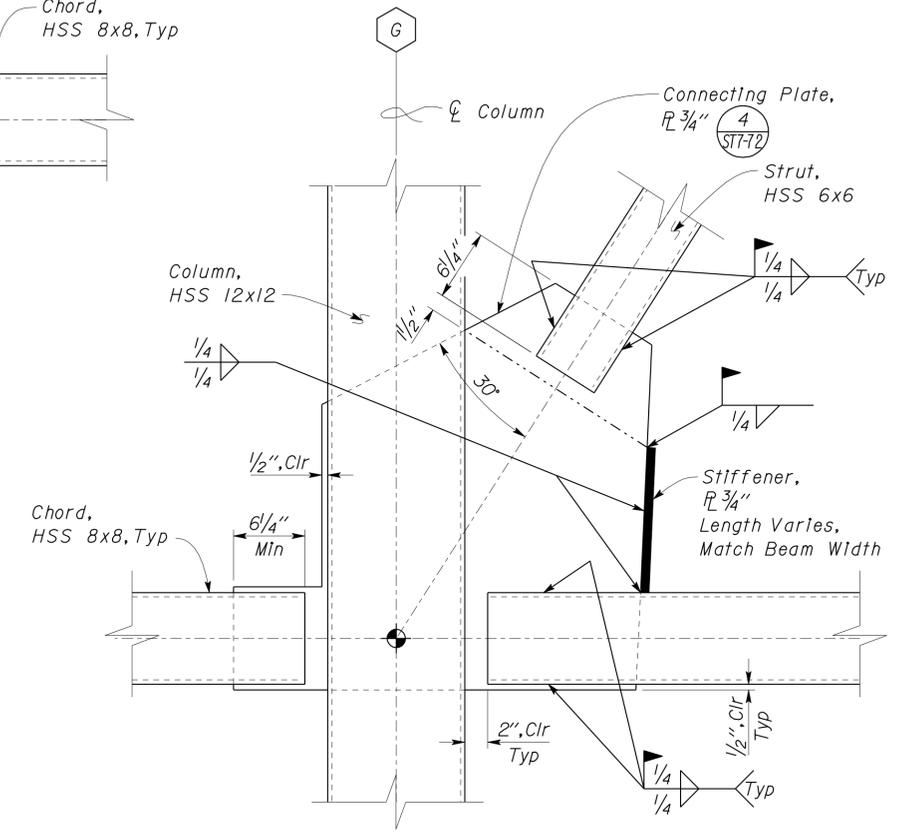
1 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"



2 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"



3 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"



4 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"

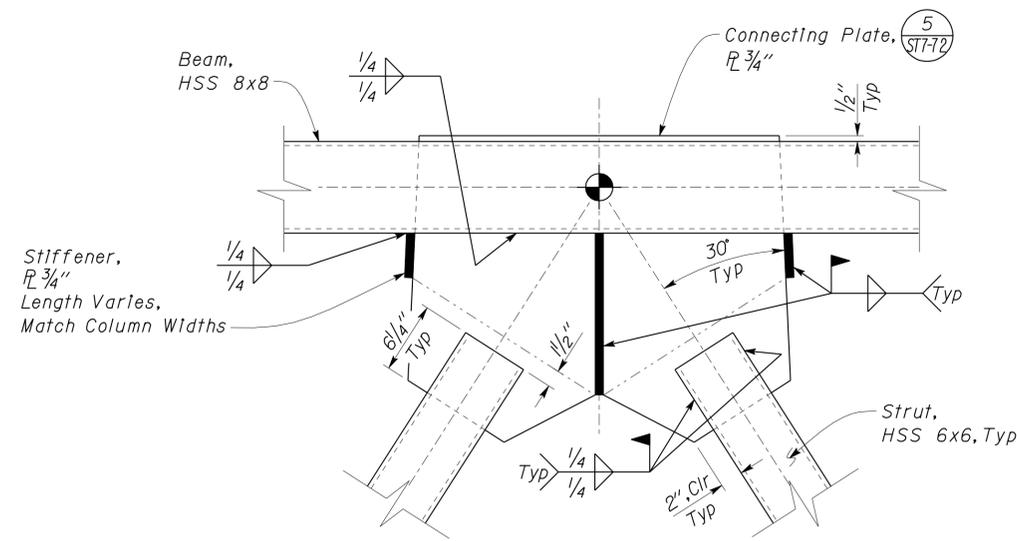
DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET ST7-40
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan		PROJECT NUMBER & PHASE 08000006281	POST MILE 177.3/181.1	BRACED FRAME DETAILS		OF
QUANTITIES BY	CHECKED BY		UNIT 3599	CVF CHP OFFICE	REVISION DATES (PRELIMINARY STAGE ONLY) 03-11-10 11-01-12 2-10-12		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	EA 368501	DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF	

26-FEB-2013 10:53

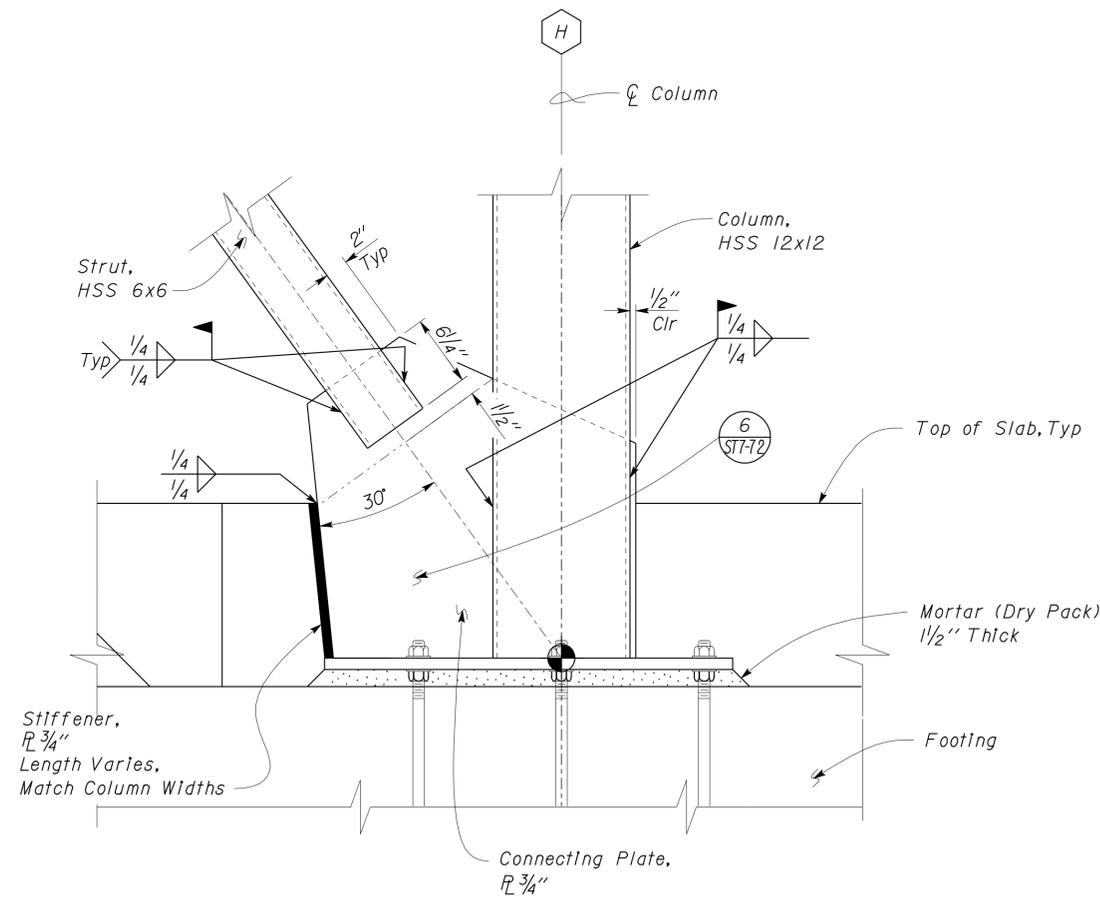
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	491	710

Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

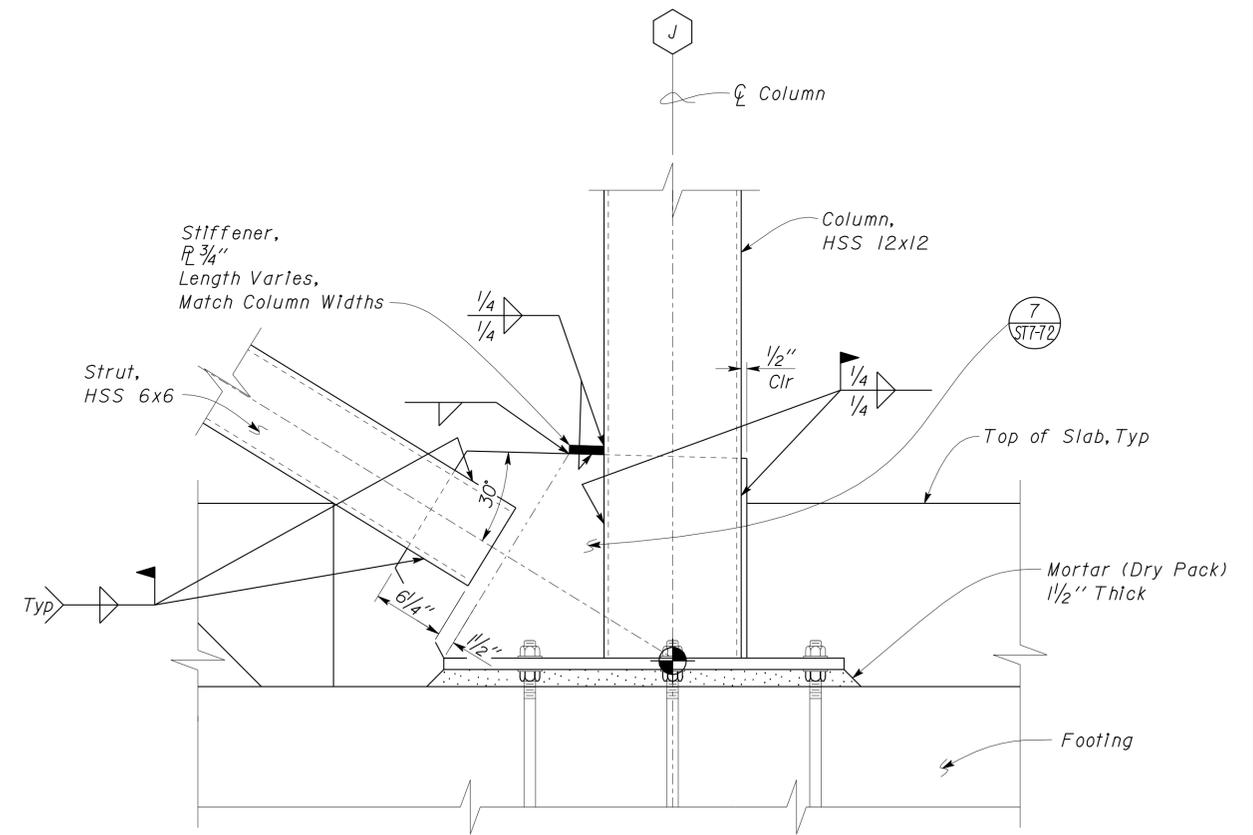
2-25-13
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



1 BRACED FRAME DETAIL
 Scale 1 1/2" = 1' - 0"



2 BRACED FRAME DETAIL
 Scale 1 1/2" = 1' - 0"



3 BRACED FRAME DETAIL
 Scale 1 1/2" = 1' - 0"

DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

MOUNTAIN PASS JOE
 BRACED FRAME DETAILS

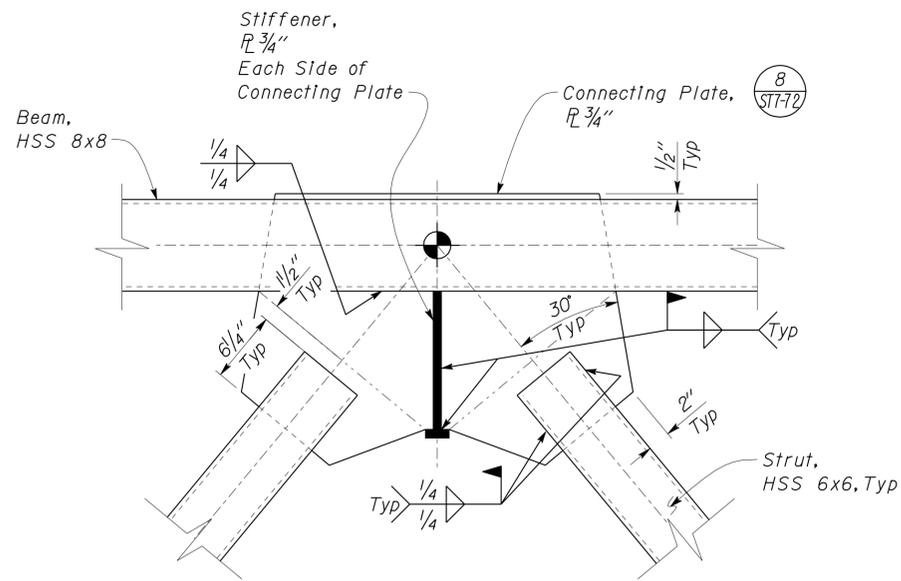
SHEET
 ST7-41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	492	710

Shervin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

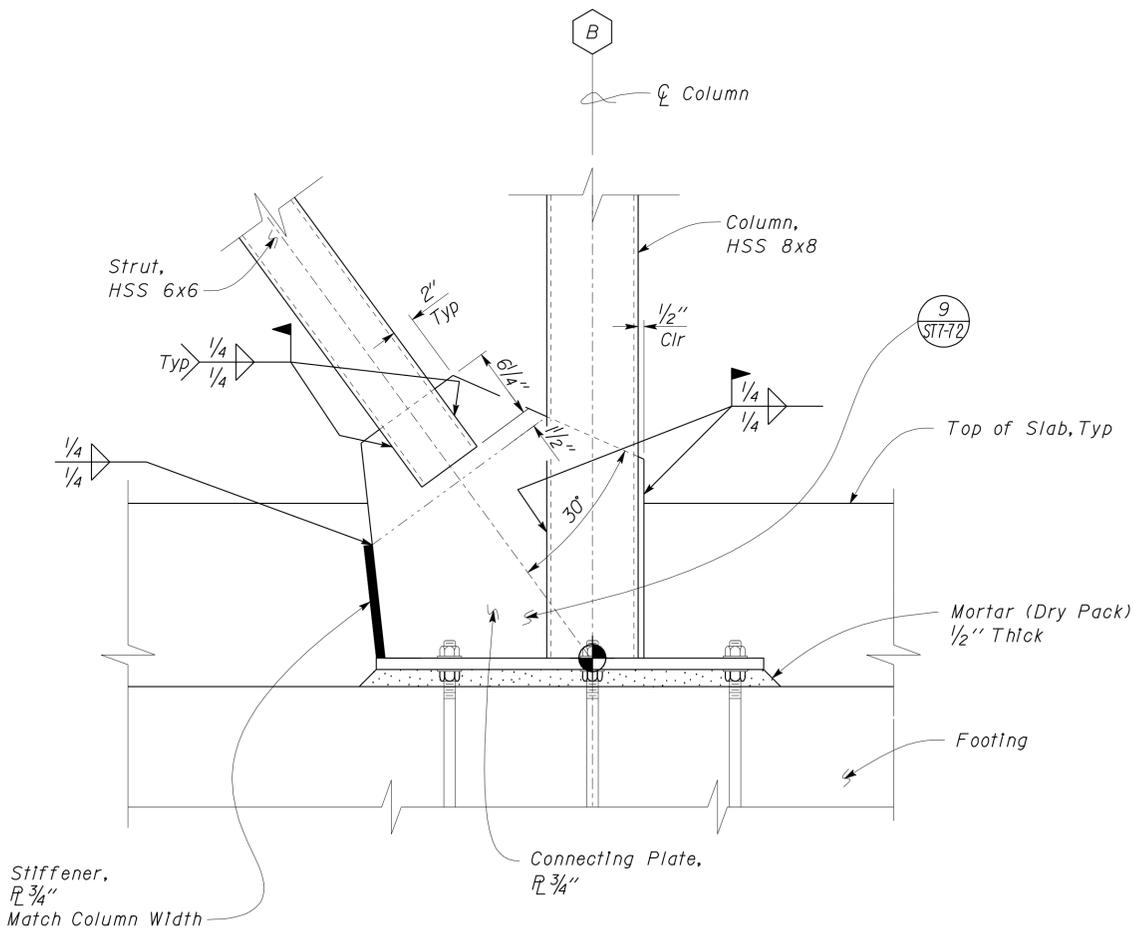
2-25-13
 PLANS APPROVAL DATE

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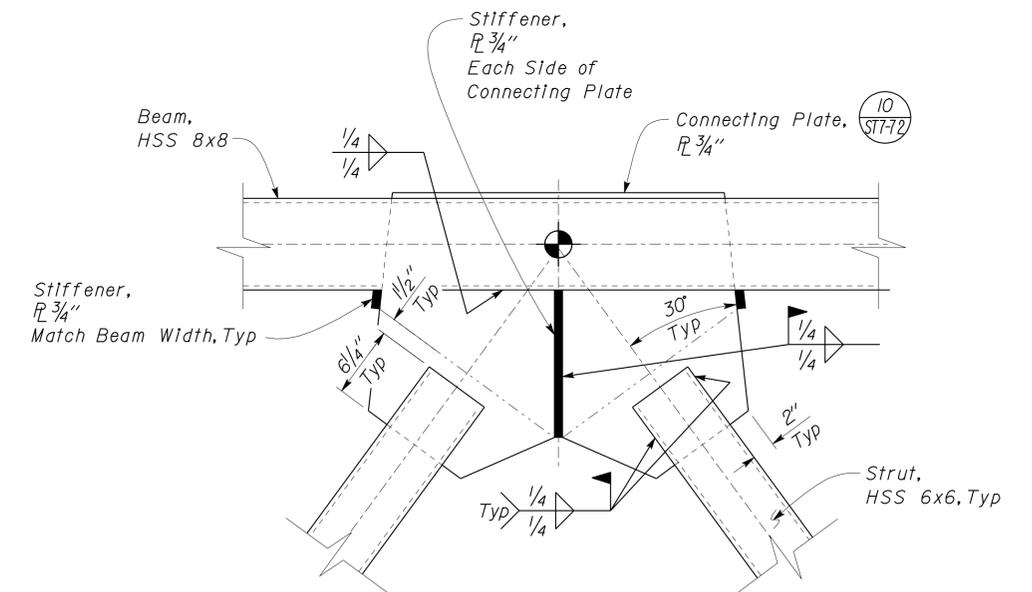
8
ST7-72

1 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"



9
ST7-72

2 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"



10
ST7-72

3 BRACED FRAME DETAIL
Scale 1 1/2" = 1' - 0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

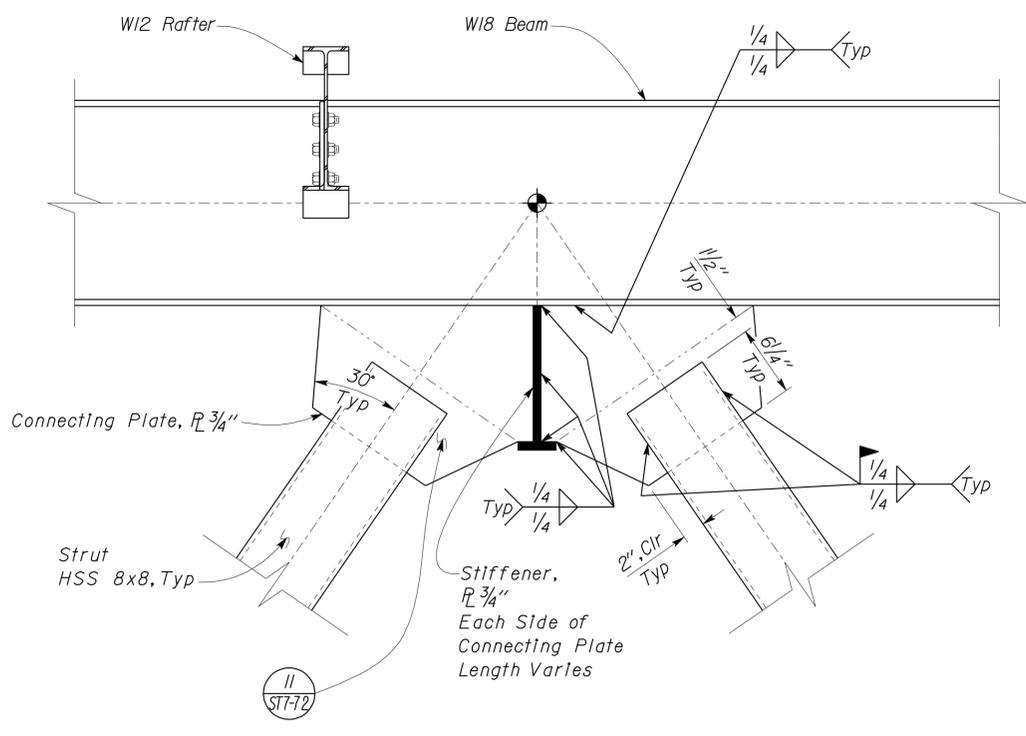
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

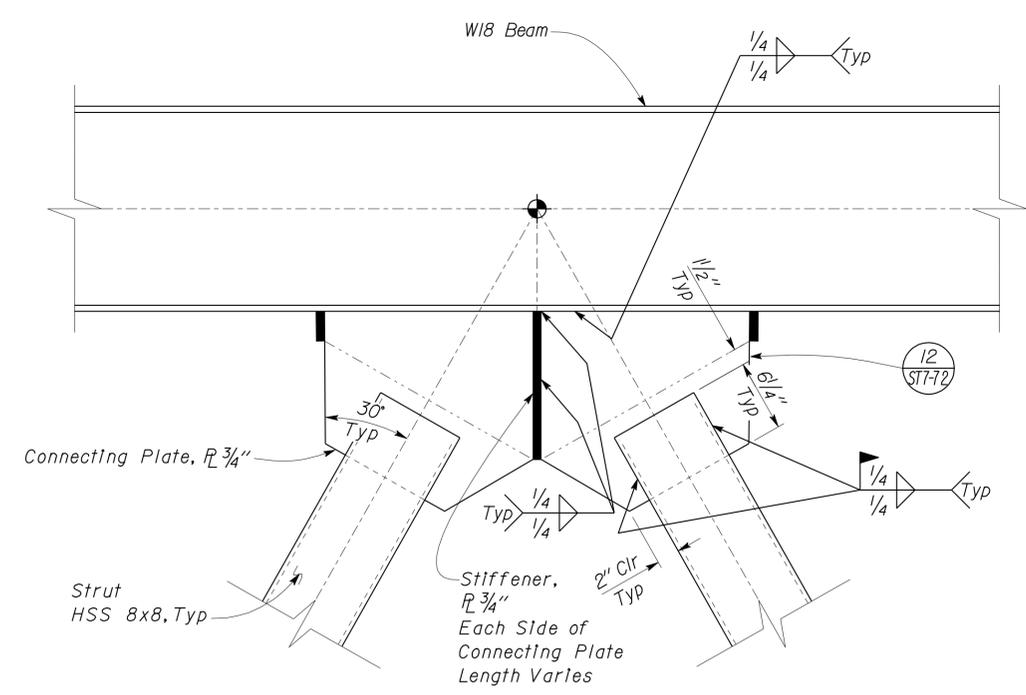
MOUNTAIN PASS JOE
BRACED FRAME DETAILS

SHEET
ST7-42

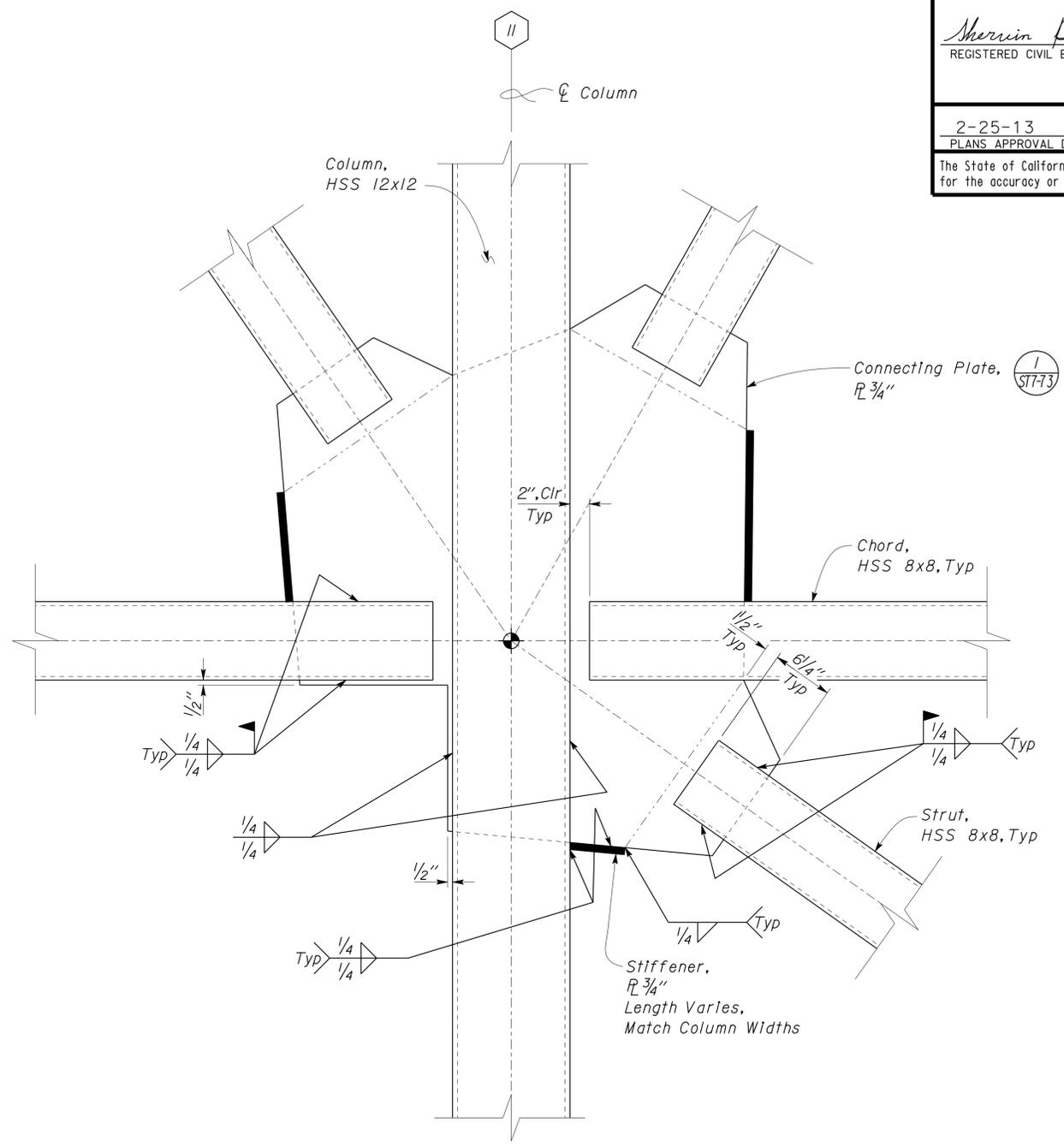
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Sbd	15	177.3/181.1	493	710
Shervin Pahlavan REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 PLANS APPROVAL DATE					
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1 BRACED FRAME DETAIL
 Scale 1 1/2" = 1' - 0"



2 BRACED FRAME DETAIL
 Scale 1 1/2" = 1' - 0"



3 BRACED FRAME DETAIL
 Scale 1 1/2" = 1' - 0"

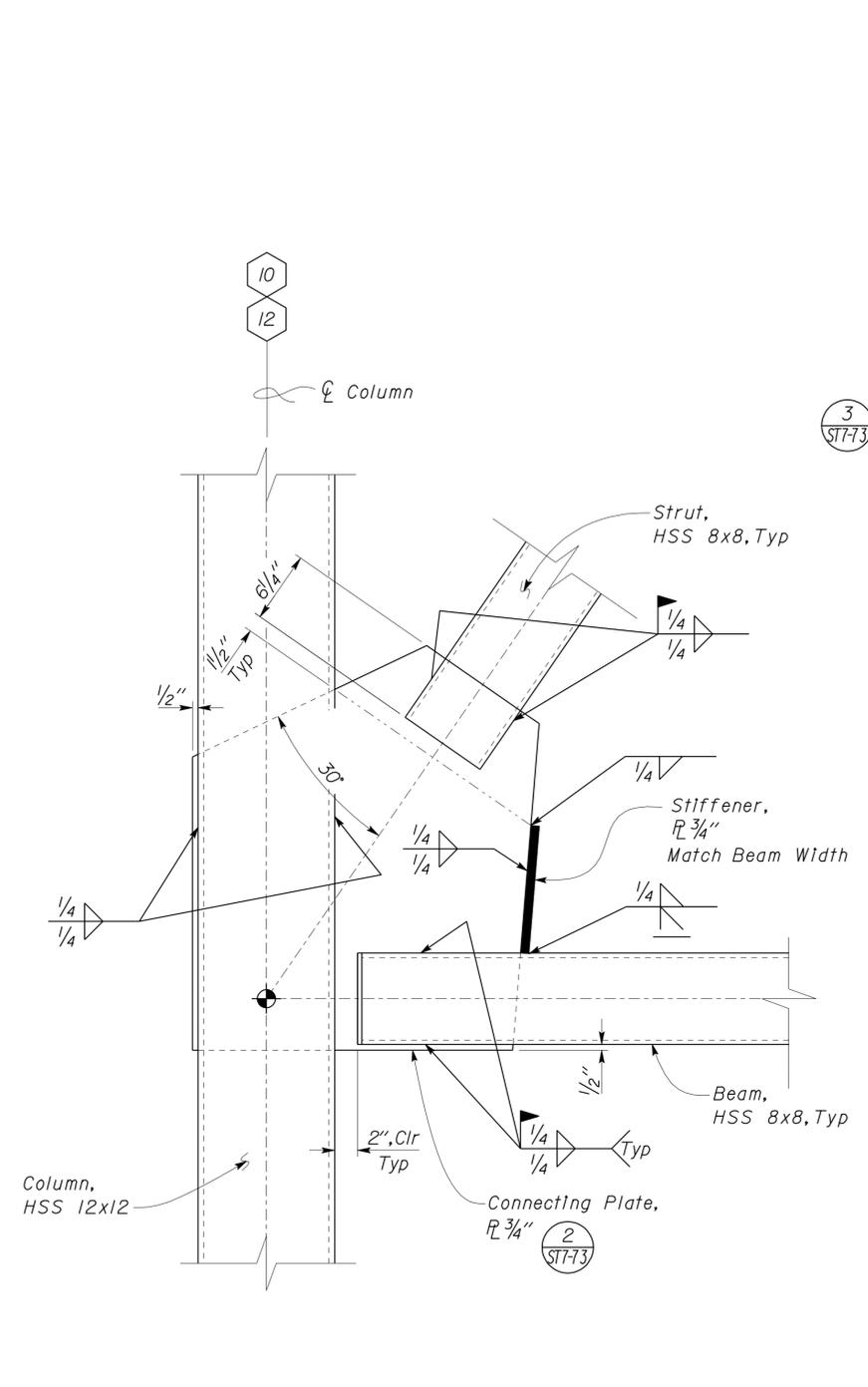
DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

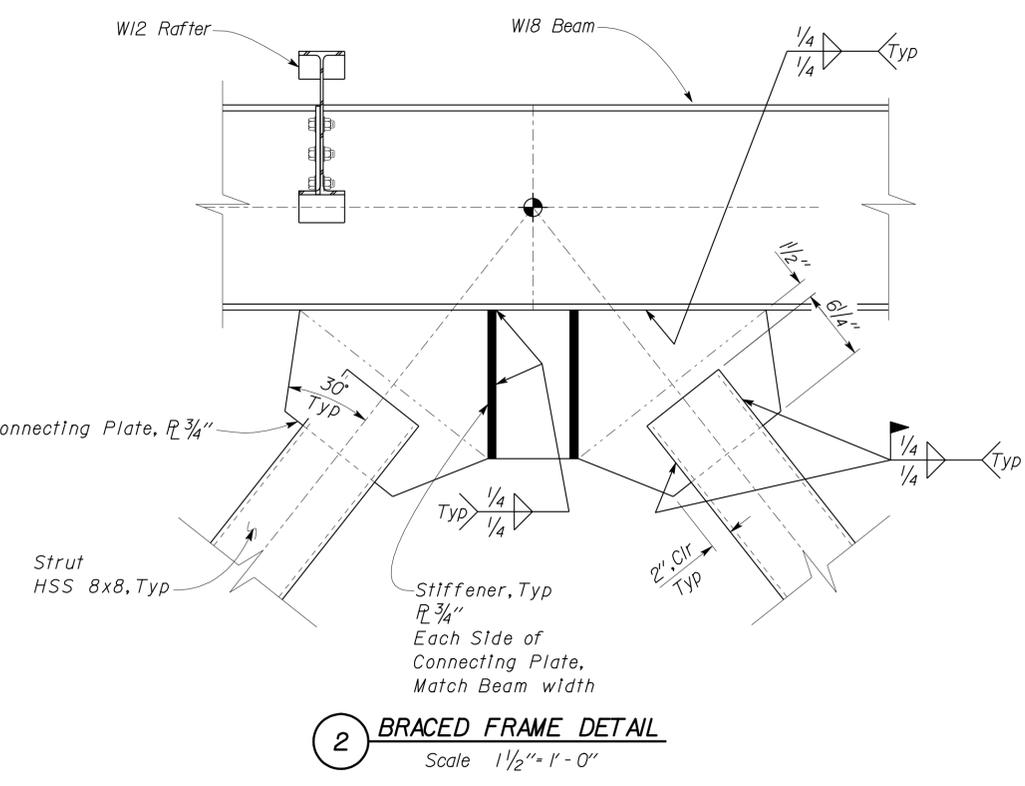
DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J	MOUNTAIN PASS JOE	SHEET OF
POST MILE	177.3/181.1		
CVF CHP OFFICE		BRACED FRAME DETAILS	SHEET 43 OF

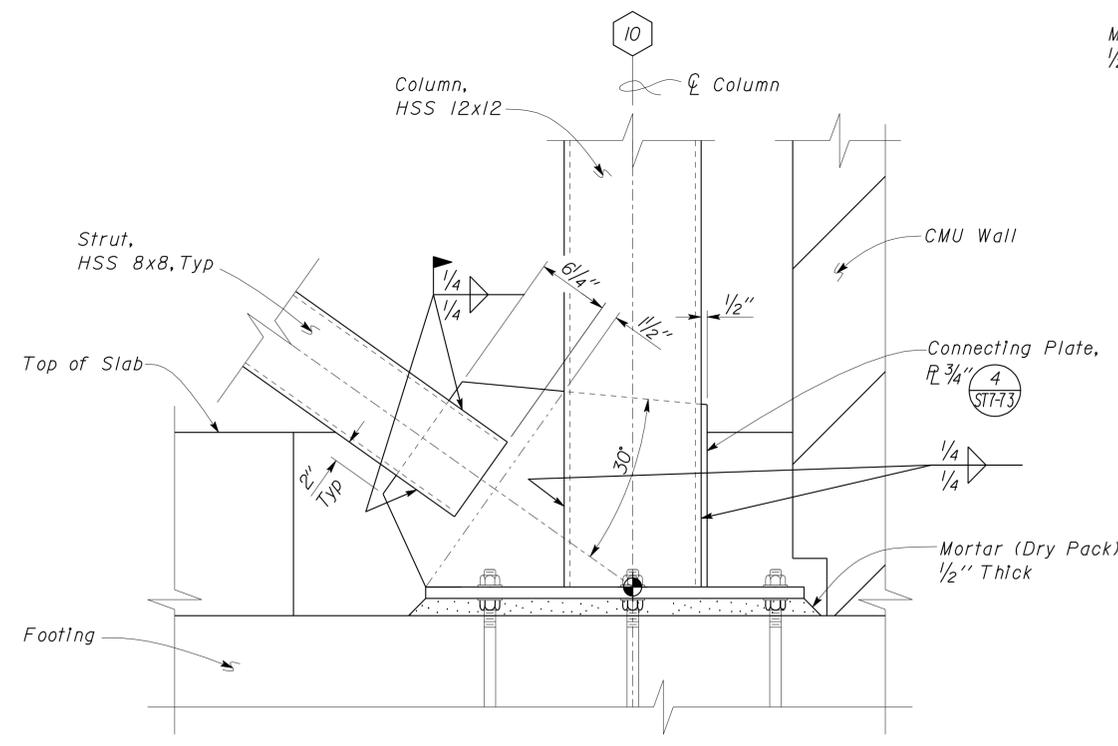
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	494	710
Shervin Pahlavan REGISTERED CIVIL ENGINEER			11-27-12 DATE		
2-25-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



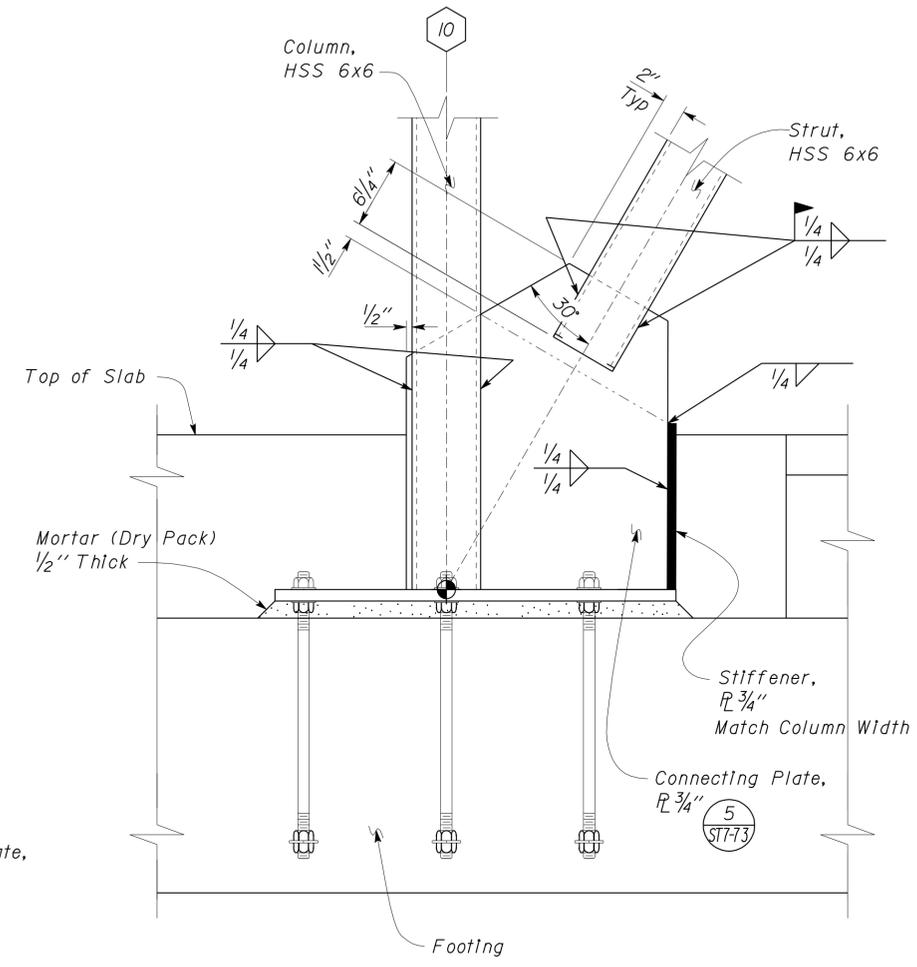
1 BRACED FRAME DETAIL
Scale 1 1/2" = 1'-0"



2 BRACED FRAME DETAIL
Scale 1 1/2" = 1'-0"



3 BRACED FRAME DETAIL
Scale 1 1/2" = 1'-0"

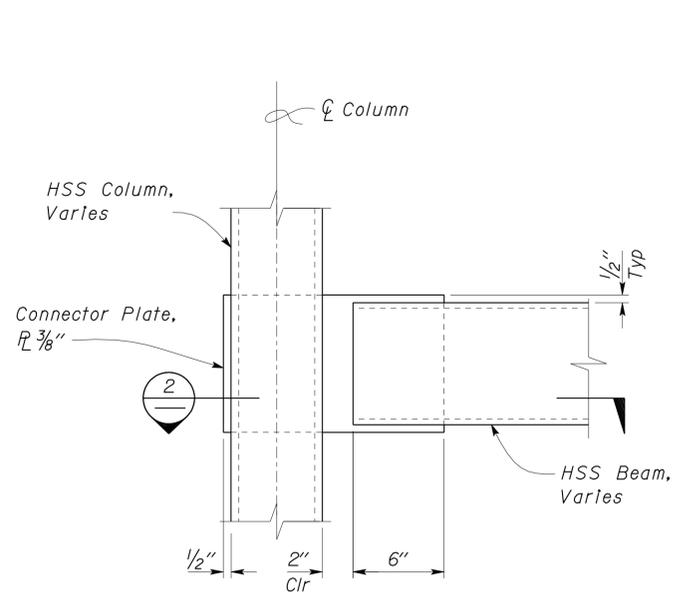


4 BRACED FRAME DETAIL
Scale 1 1/2" = 1'-0"

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET ST7-44
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan		PROJECT NUMBER & PHASE 08000006281	POST MILE 177.3/181.1	BRACED FRAME DETAILS		OF
QUANTITIES BY	CHECKED BY		UNIT 3599	CVF CHP OFFICE	REVISION DATES (PRELIMINARY STAGE ONLY) 03-11-10 11-01-12 12-10-12		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	EA 368501	DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF	

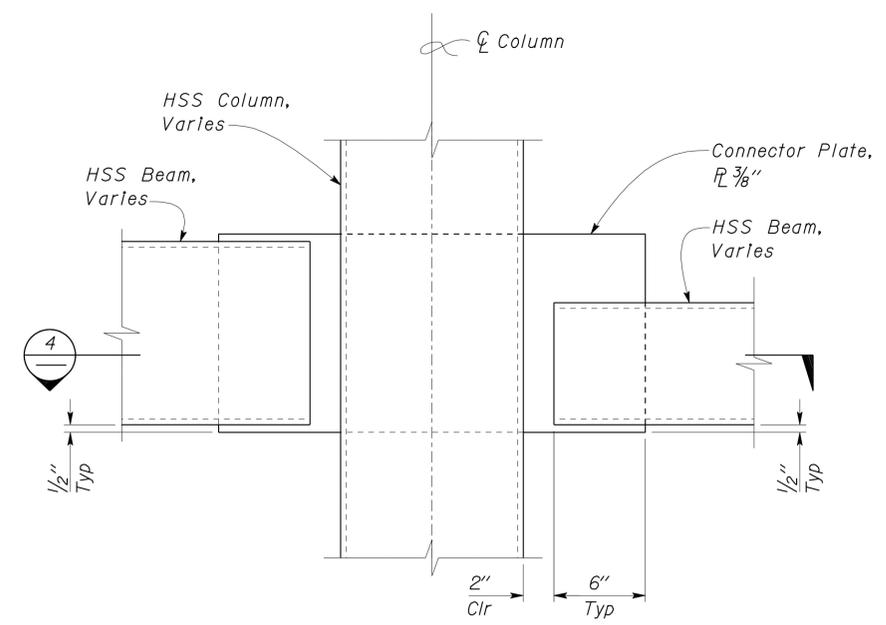
26-FEB-2013 10:53

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	496	710
Sherwin Pahlavan REGISTERED CIVIL ENGINEER				11-27-12 DATE	
2-25-13 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.					



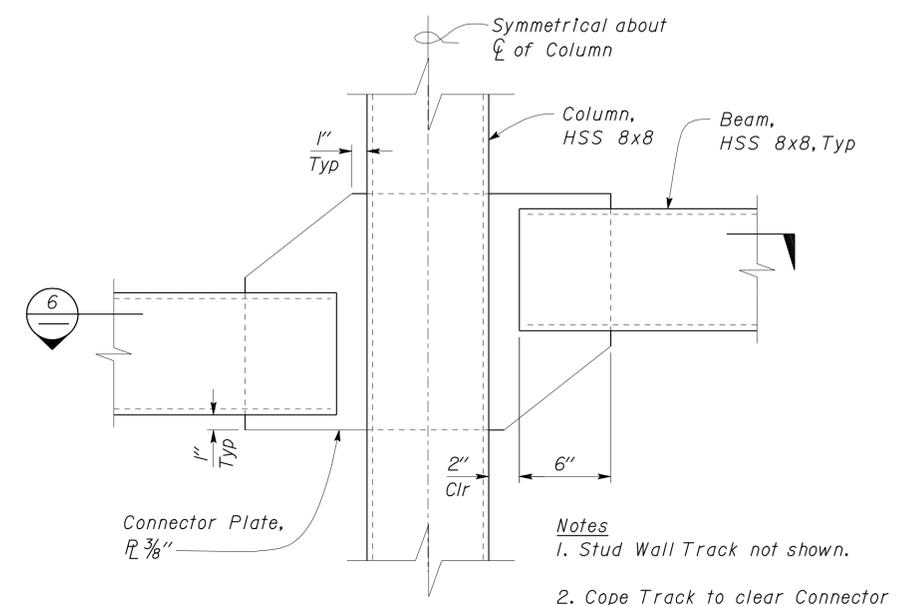
Notes
 1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required

1 HSS BEAM TO COLUMN DETAIL
 Scale 2" = 1' - 0"



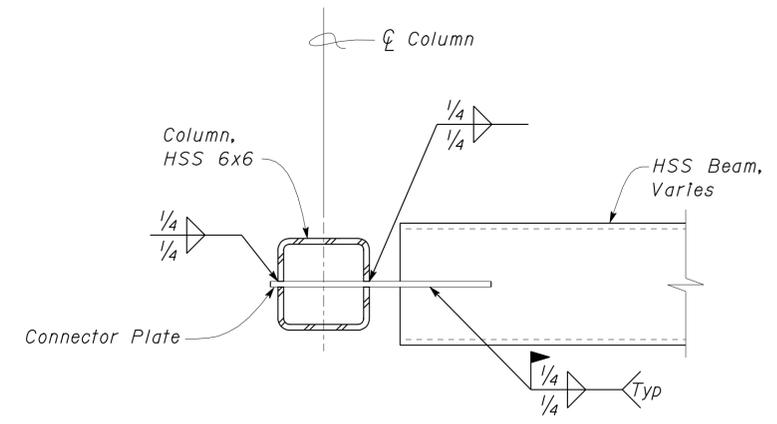
Notes
 1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required

3 HSS BEAM TO COLUMN DETAIL
 Scale 2" = 1' - 0"



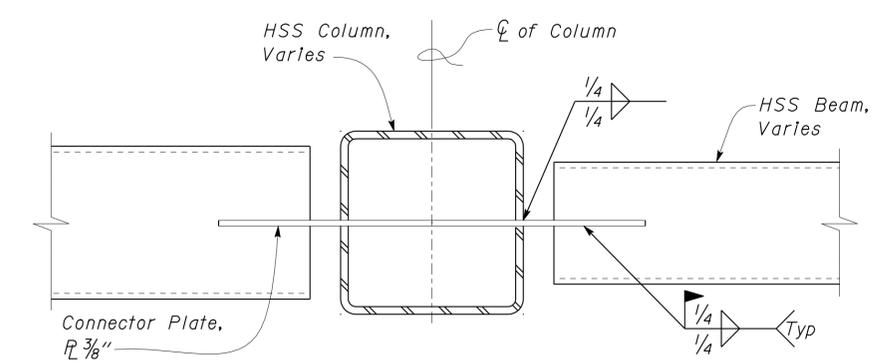
Notes
 1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required

5 HSS TO COLUMN DETAIL
 Scale 2" = 1' - 0"



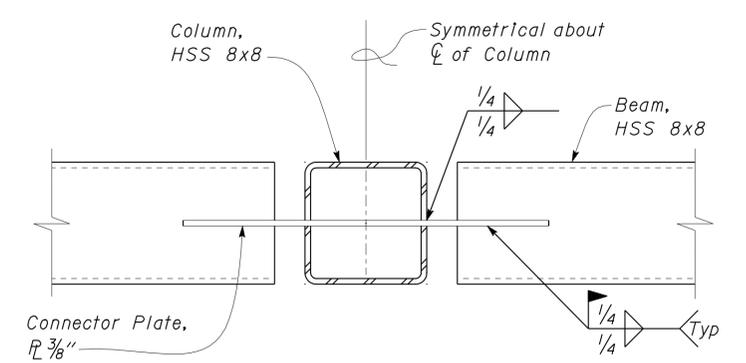
Notes
 1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required

2 HSS BEAM TO COLUMN SECTION
 Scale 2" = 1' - 0"



Notes
 1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required

4 HSS BEAM TO COLUMN SECTION
 Scale 2" = 1' - 0"

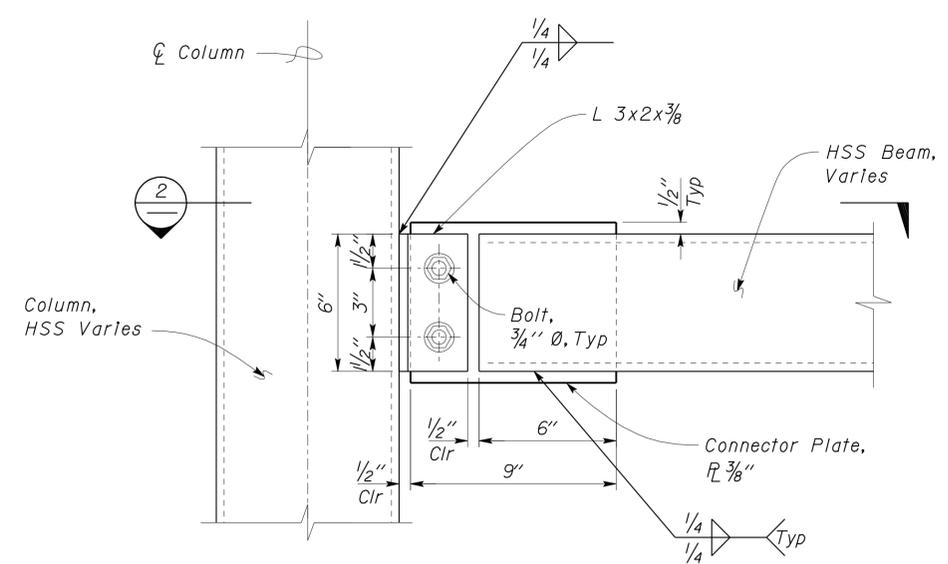


6 HSS BEAM TO COLUMN SECTION
 Scale 2" = 1' - 0"

DESIGN BY Sherwin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE	SHEET ST7-46
				POST MILE 177.3/181.1		
DETAILS BY Andrew Lovato	CHECKED BY Sherwin Pahlavan	UNIT PROJECT NUMBER & PHASE 3599 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY	CHECKED	EA 368501	03-11-10 11-01-12 12-10-12			

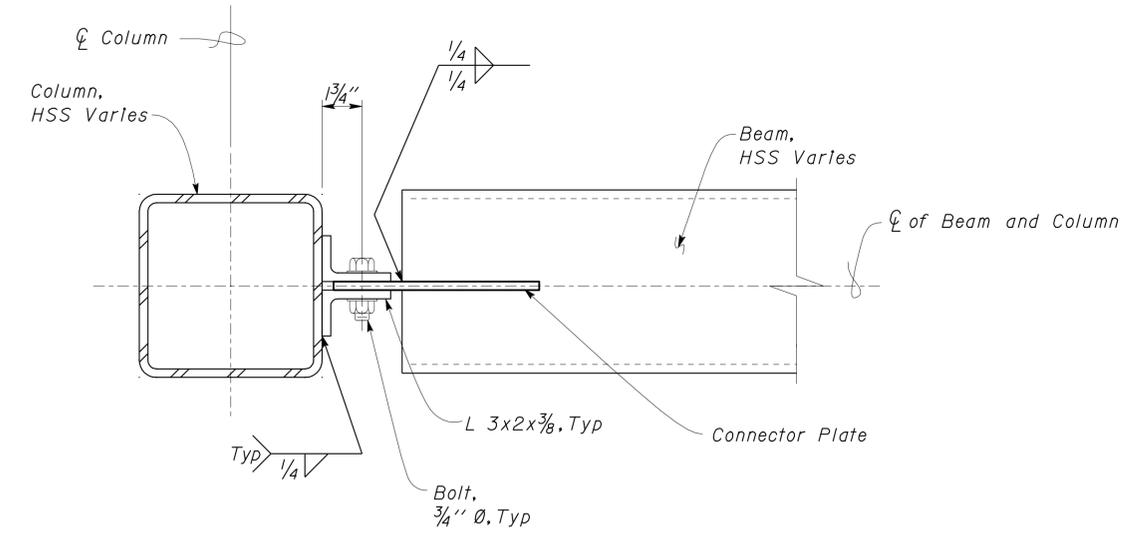
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	497	710
Shervin Pahlavan REGISTERED CIVIL ENGINEER				11-27-12 DATE	
2-25-13 PLANS APPROVAL DATE					
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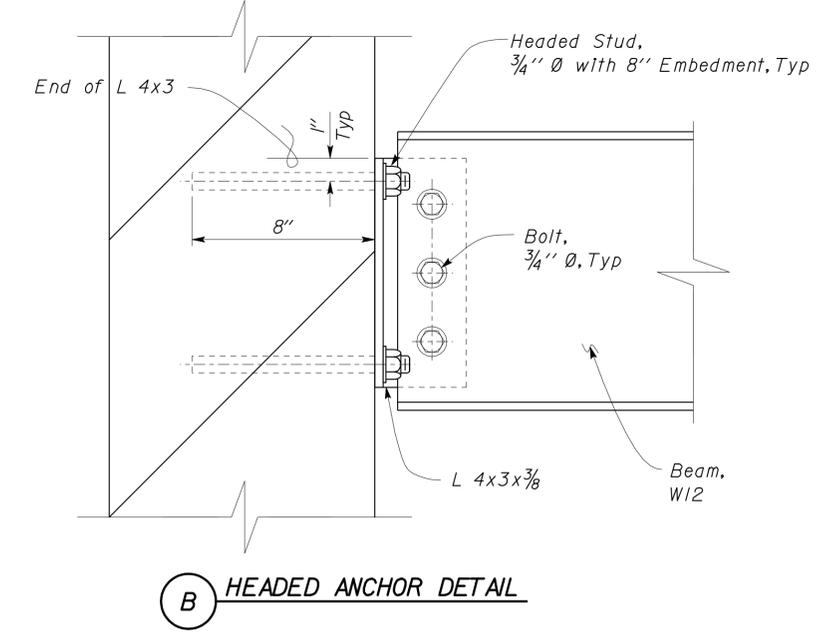
1 HSS BEAM TO COLUMN DETAIL
Scale 3" = 1'-0"

- Notes**
1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required

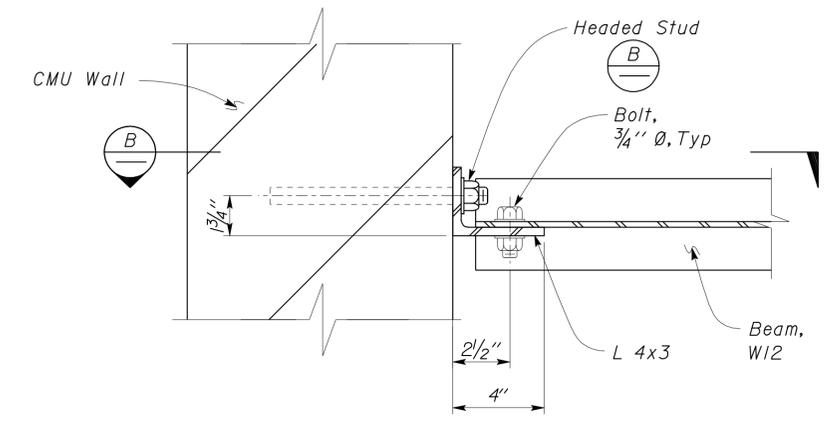


2 HSS BEAM TO COLUMN SECTION
Scale 3" = 1'-0"

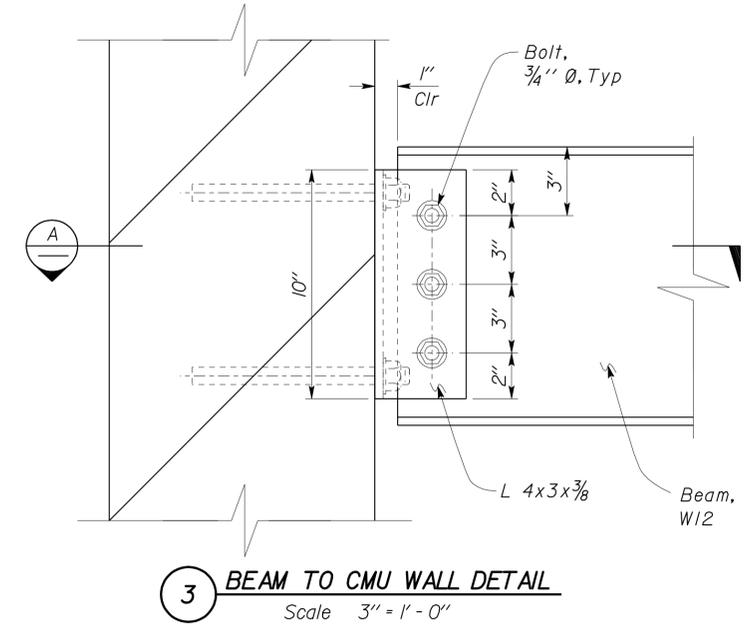
- Notes**
1. Stud Wall Track not shown.
 2. Cope Track to clear Connector Plate, as required



3 BEAM TO CMU WALL DETAIL
Scale 3" = 1'-0"



4 BEAM TO CMU WALL SECTION



5 HEADED ANCHOR DETAIL

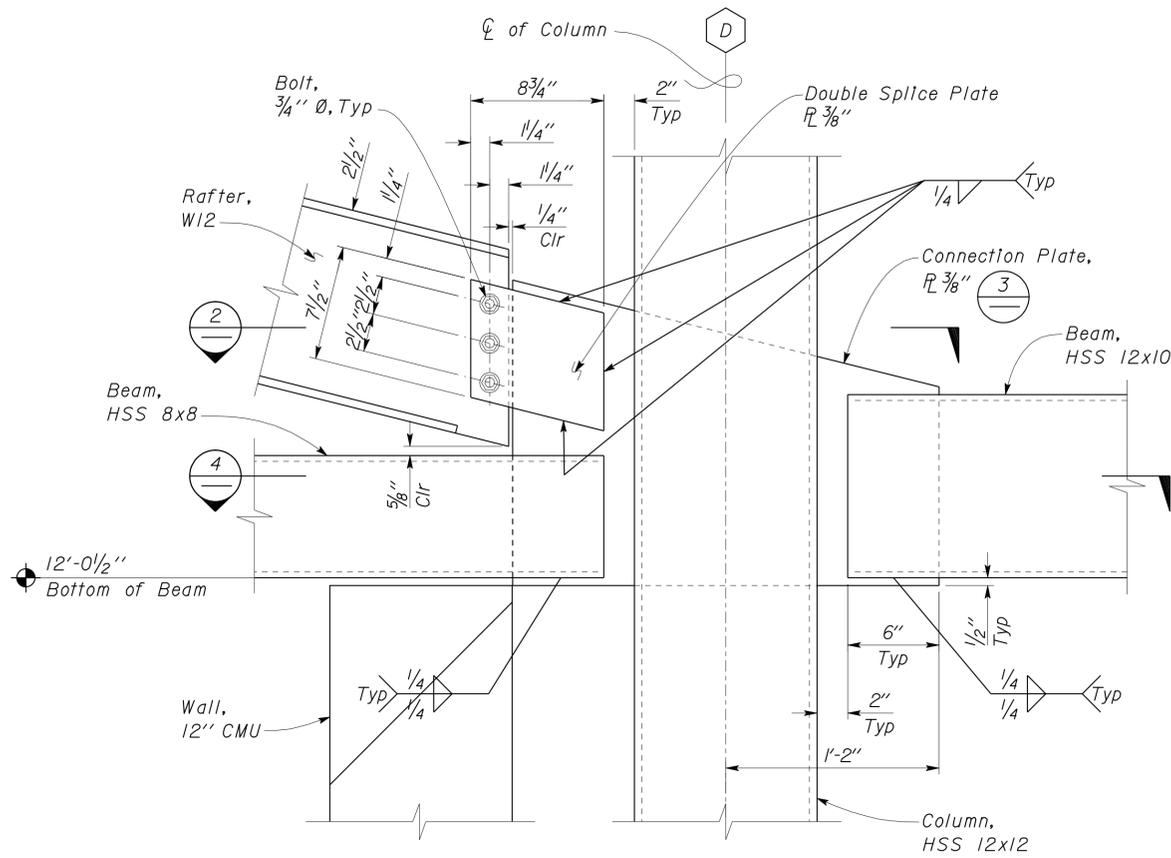
DESIGN	BY	Shervin Pahlavan	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J POST MILE 177.3/181.1	MOUNTAIN PASS JOE		SHEET ST7-47		
	DETAILS	BY	Andrew Lovato	CHECKED				Shervin Pahlavan	FRAMING DETAILS			
QUANTITIES	BY		CHECKED		UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	03-11-10	11-27-12	12-10-12	OF
EA 368501					PROJECT NUMBER & PHASE		08000006281	D:\user\Projects\A Expedite Process Folder\st7_047.dgn				

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	498	710

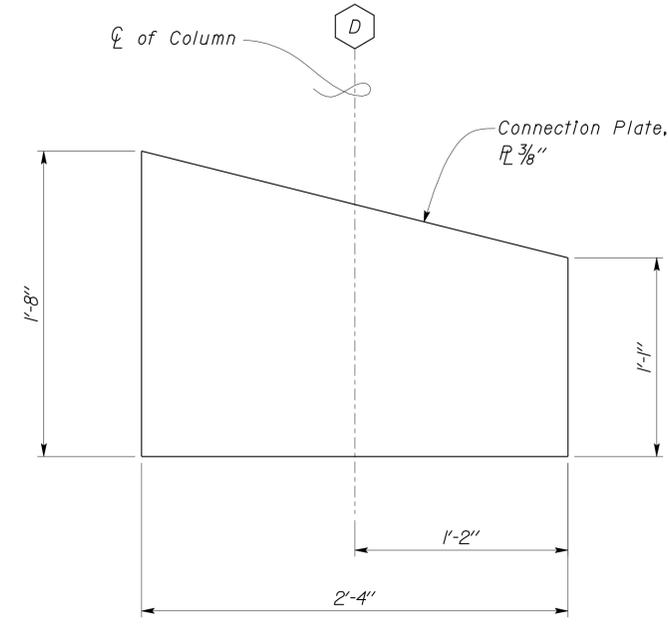
Sherwin Pahlavan 11-27-12
 REGISTERED CIVIL ENGINEER DATE
 No. 44463
 Exp. 3-31-14
 CIVIL
 STATE OF CALIFORNIA

2-25-13
 PLANS APPROVAL DATE

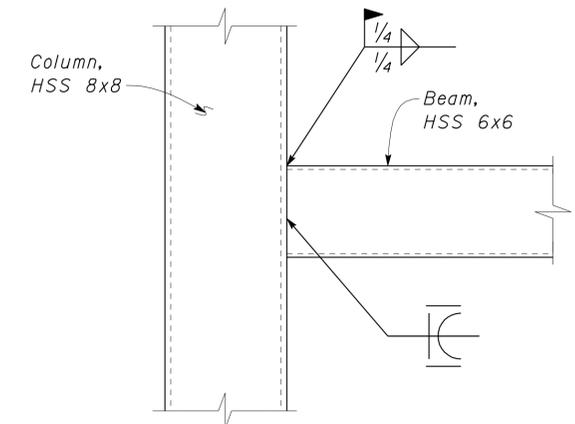
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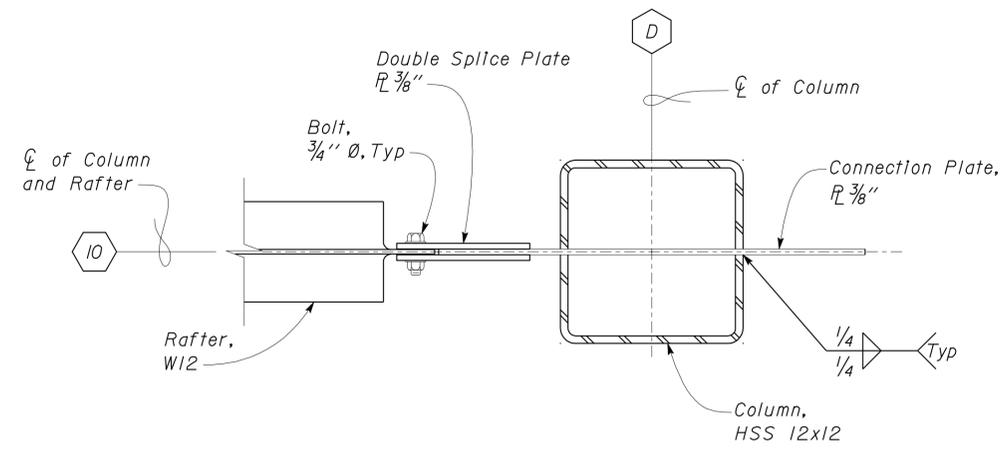
1 BEAMS AND RAFTER TO COLUMN DETAIL
Scale 2" = 1'-0"



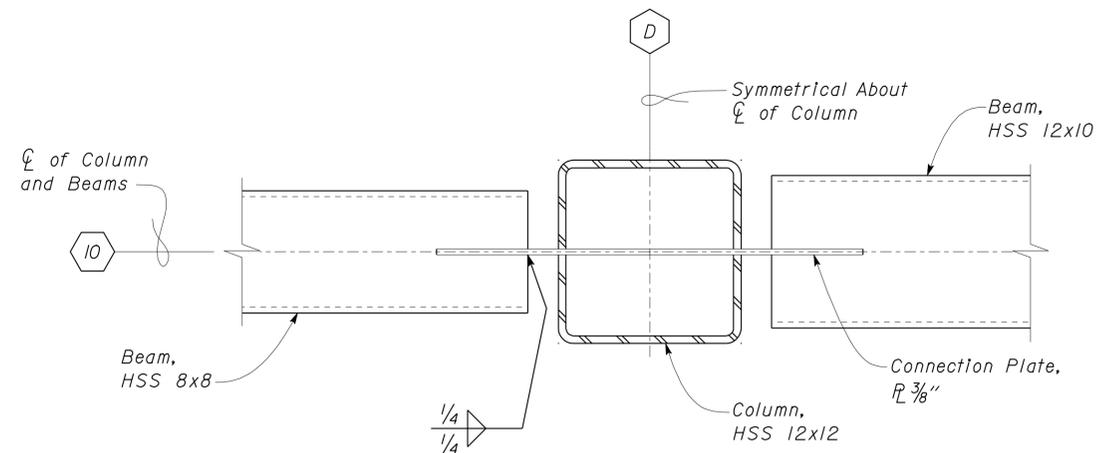
3 CONNECTION PLATE
Scale 2" = 1'-0"



5 HSS BEAM TO COLUMN DETAIL
Scale 2" = 1'-0"



2 RAFTER TO COLUMN DETAIL
Scale 2" = 1'-0"



4 BEAMS TO COLUMN DETAIL
Scale 2" = 1'-0"

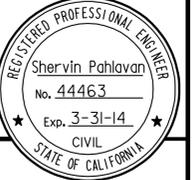
DESIGN	BY Sherwin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Sherwin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J	MOUNTAIN PASS JOE	SHEET ST7-48
POST MILE	177.3/181.1		
FRAMING DETAILS			

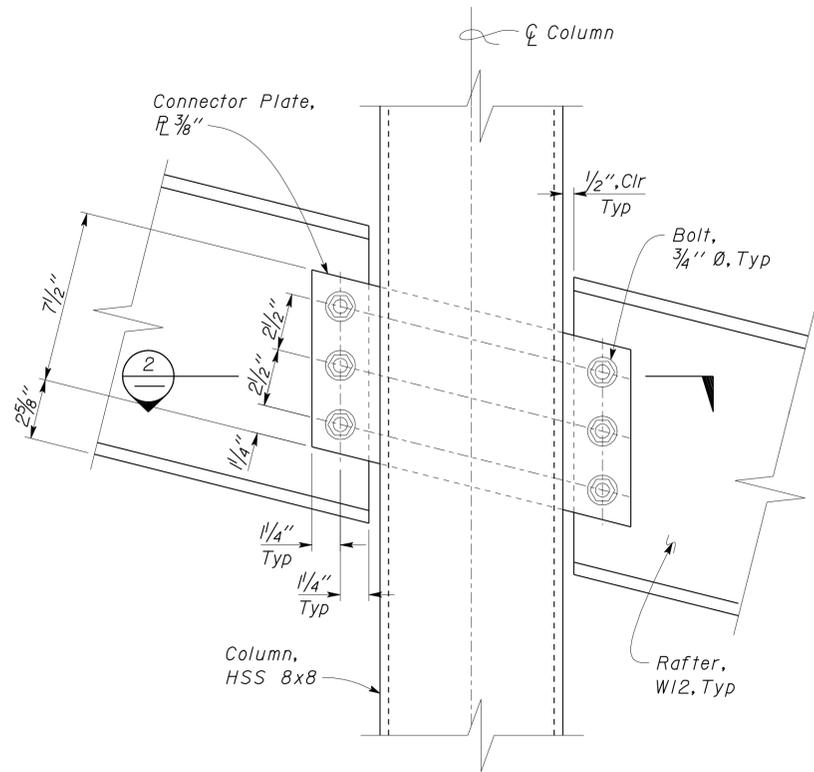
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	499	710

Shervin Pahlavan 11-27-12
REGISTERED CIVIL ENGINEER DATE

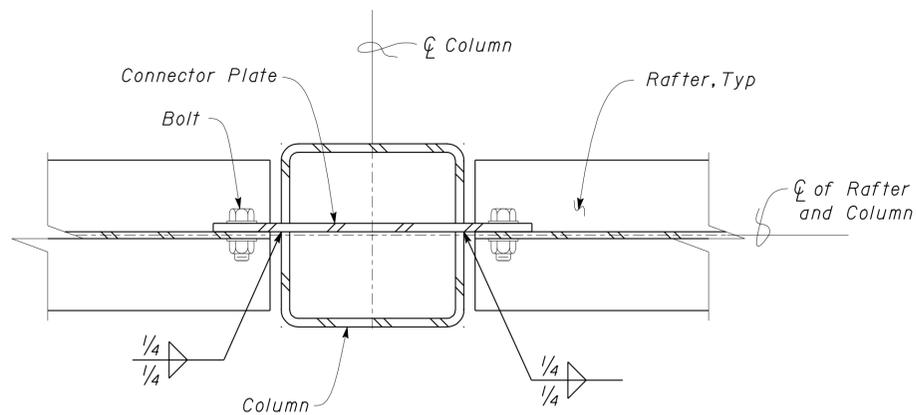


2-25-13
PLANS APPROVAL DATE

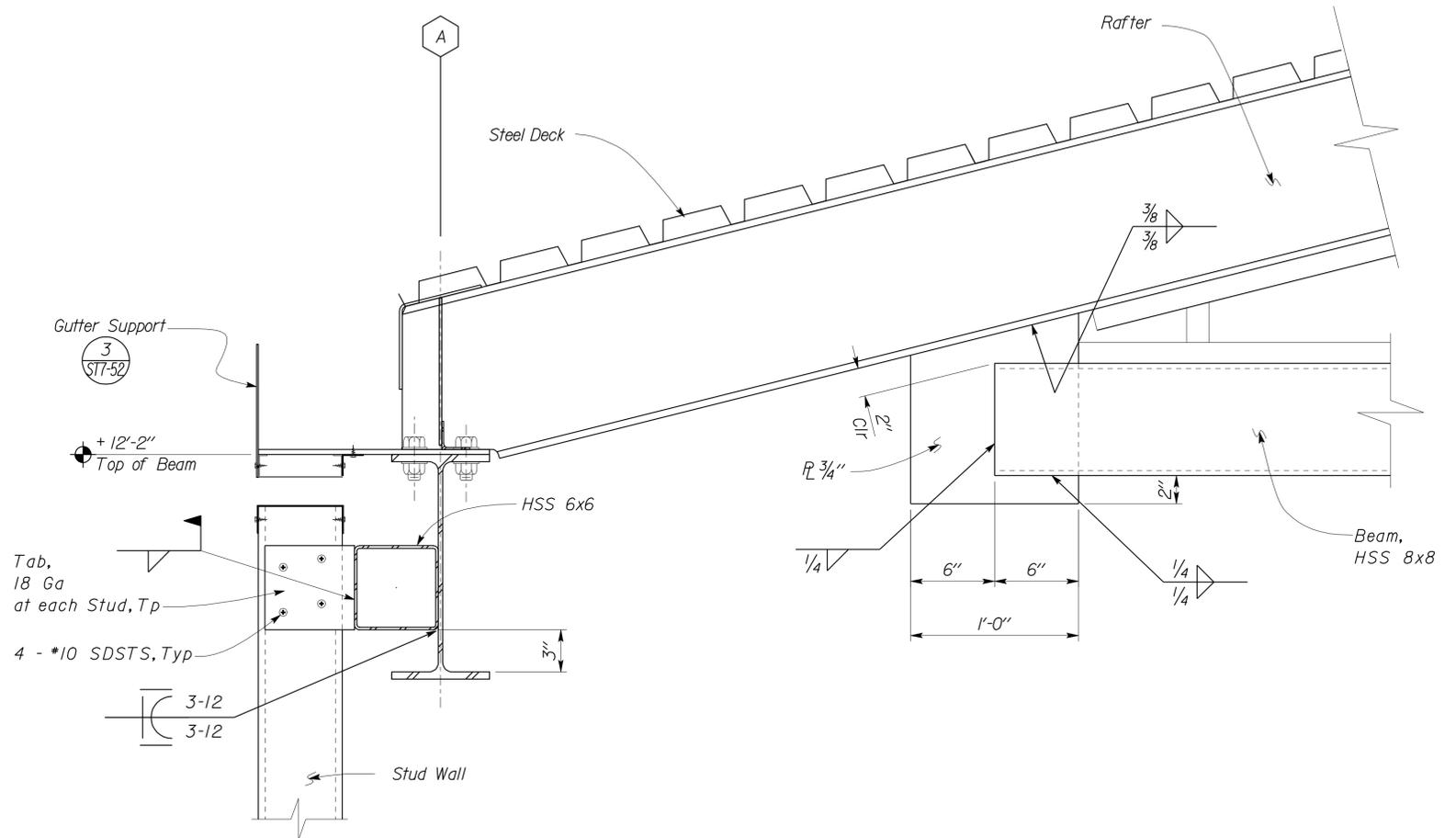
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1 RAFTER TO COLUMN DETAIL
Scale 3" = 1' - 0"



2 RAFTER TO COLUMN DETAIL
Scale 3" = 1' - 0"



3 BEAM TO RAFTER DETAIL
Scale 2" = 1' - 0"

DESIGN	BY Shervin Pahlavan	CHECKED Joseph Camilleri
DETAILS	BY Andrew Lovato	CHECKED Shervin Pahlavan
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

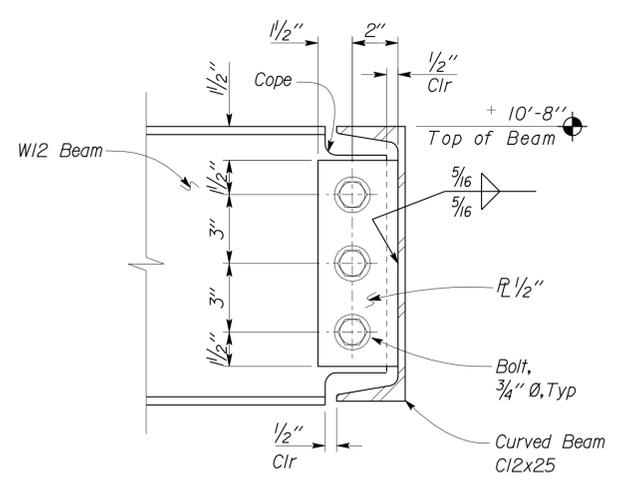
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	54-1216J
POST MILE	177.3/181.1

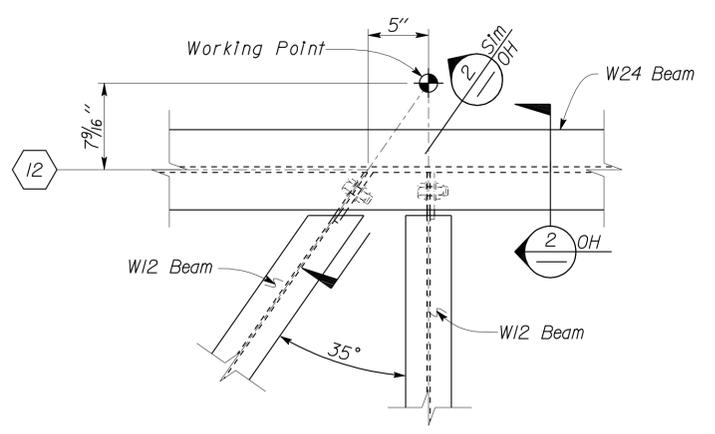
MOUNTAIN PASS JOE
FRAMING DETAILS

SHEET OF
ST7-49

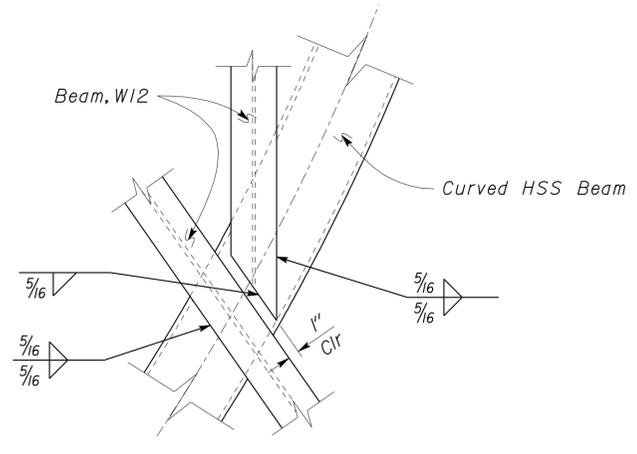
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15	177.3/181.1	500	710
Shervin Pahlavan 11-27-12 REGISTERED CIVIL ENGINEER DATE					
2-25-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



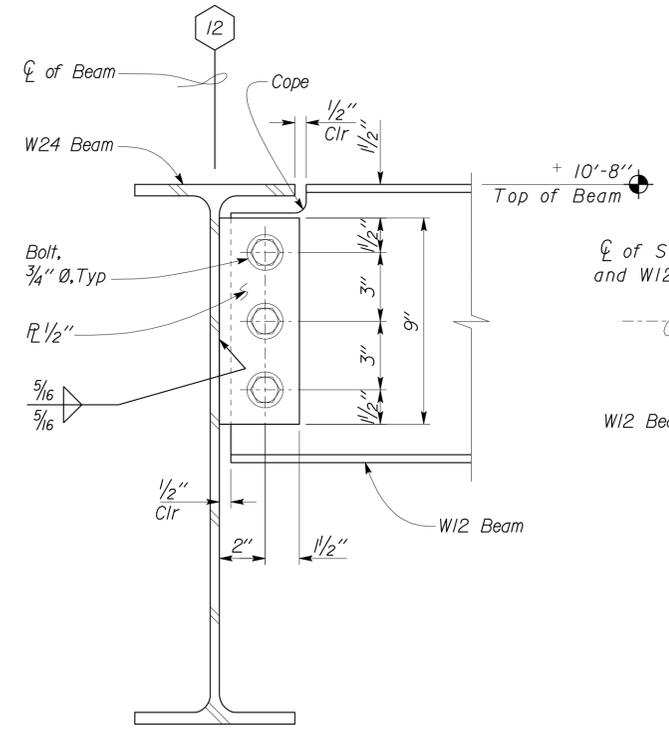
1 BEAM TO BEAM CONNECTION
Scale 3" = 1'-0"



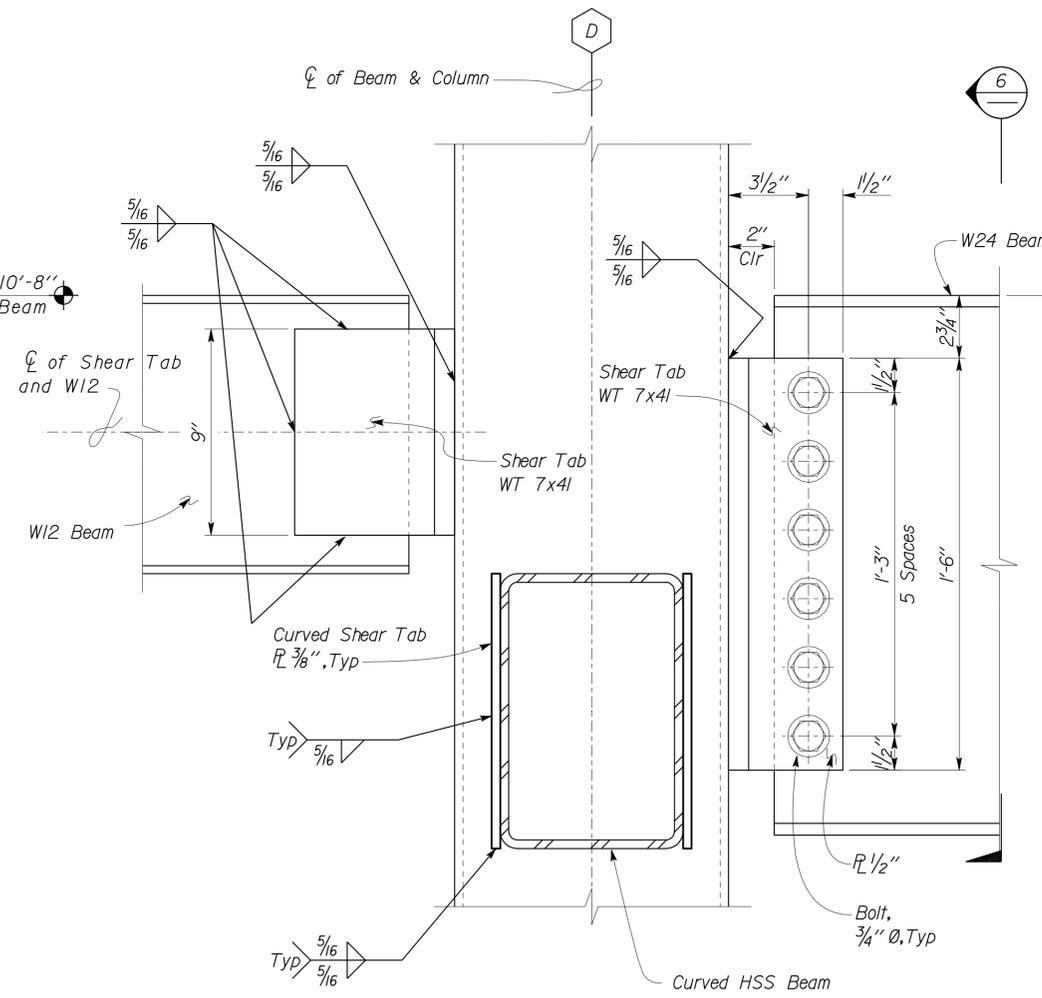
3 OBSERVATION ROOM FRAMING DETAIL
Scale 1 1/2" = 1'-0"



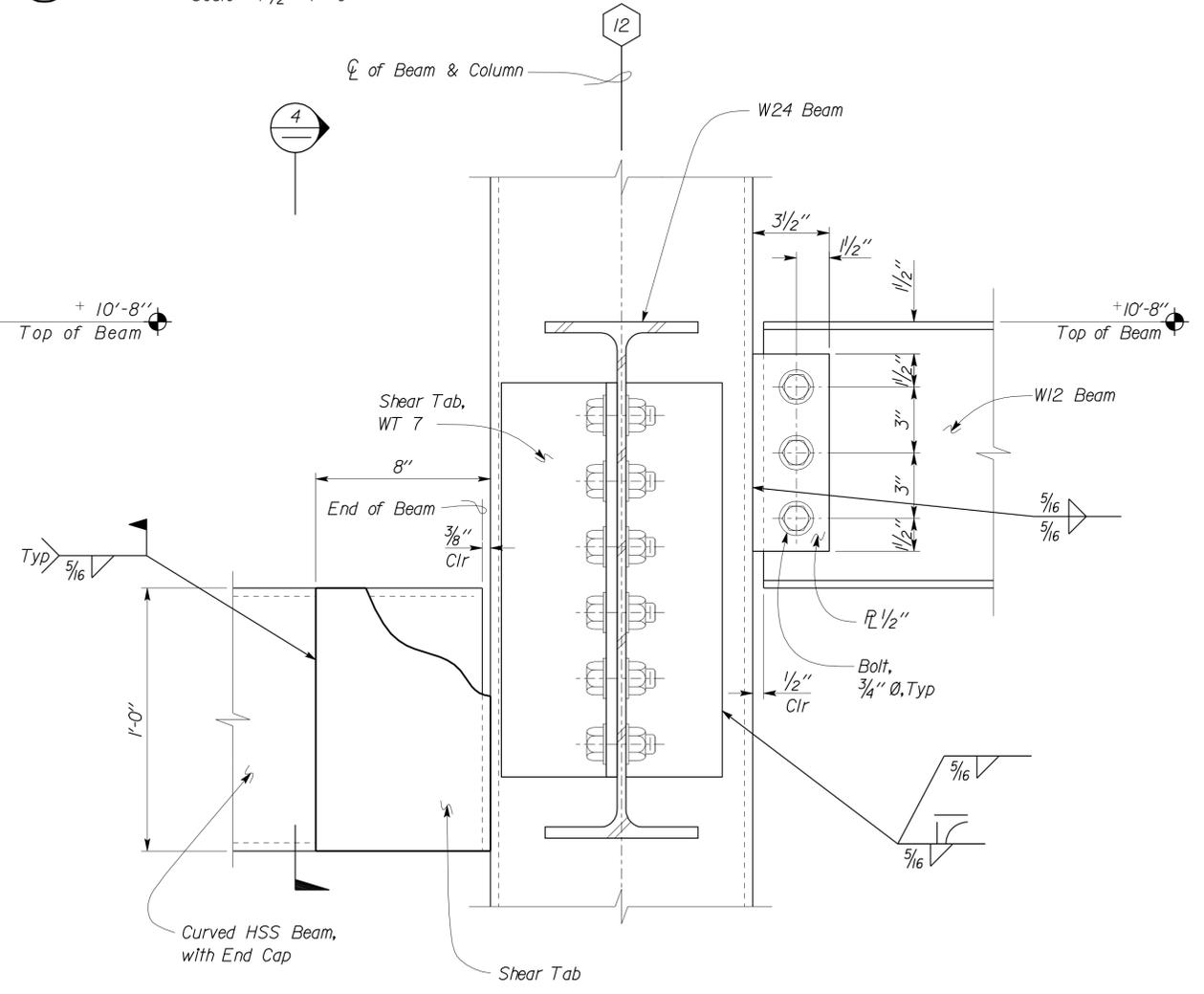
5 OBSERVATION ROOM FRAMING DETAIL
Scale 1 1/2" = 1'-0"



2 BEAM TO BEAM CONNECTION
Scale 3" = 1'-0"



4 BEAMS TO COLUMN CONNECTION
Scale 3" = 1'-0"



6 BEAMS TO COLUMN CONNECTION
Scale 3" = 1'-0"

DESIGN BY Shervin Pahlavan	CHECKED BY Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54-1216J	MOUNTAIN PASS JOE		SHEET ST7-50
				POST MILE 177.3/181.1	OBSERVATION ROOM FRAMING DETAILS		
DETAILS BY Andrew Lovato	CHECKED BY Shervin Pahlavan	UNIT 3599	PROJECT NUMBER & PHASE 08000006281	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	CHECKED BY	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	03-11-10 11-13-12 12-10-12			

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