

INDEX OF PLANS

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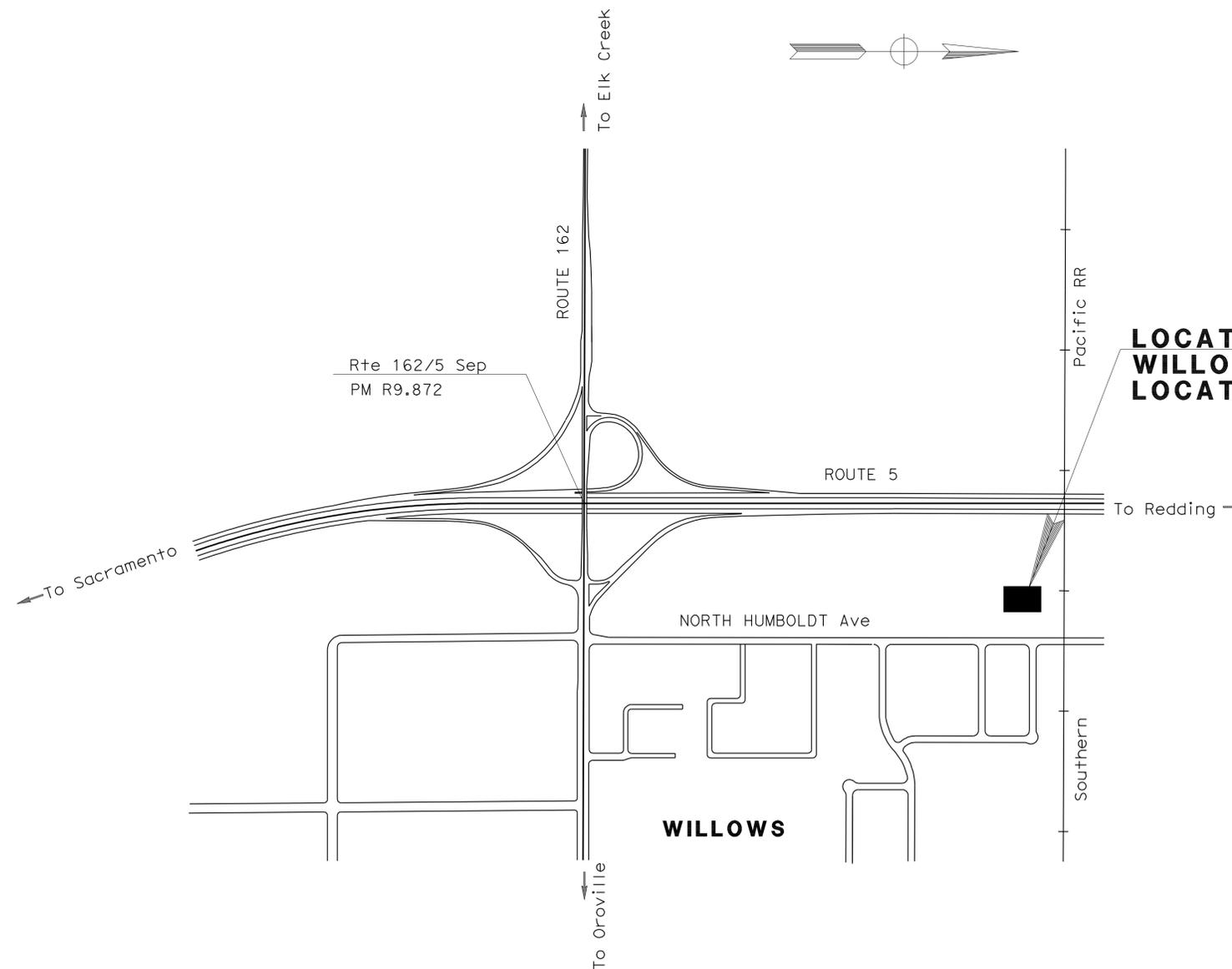
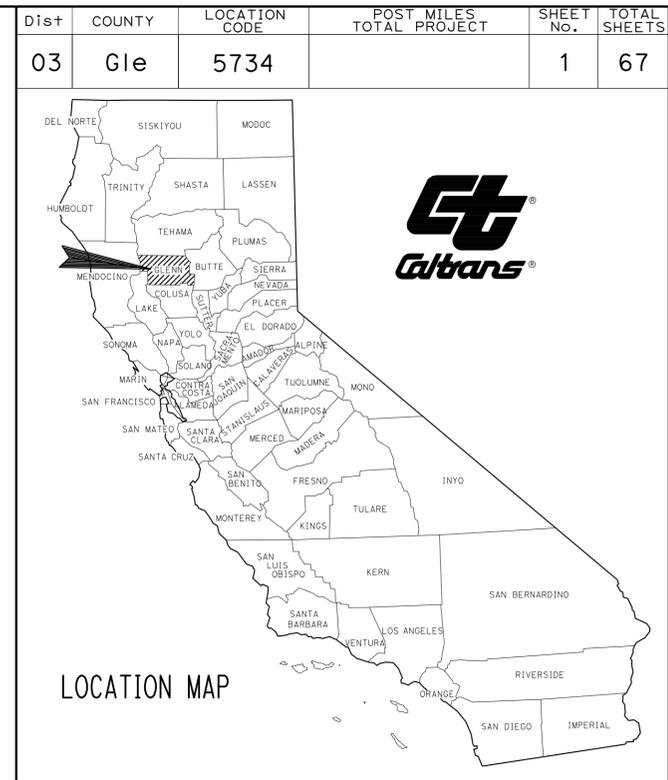
BUILDING PLANS

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR BUILDING CONSTRUCTION
IN GLENN COUNTY IN WILLOWS
AT THE WILLOWS MAINTENANCE STATION
AT 939 NORTH HUMBOLDT AVENUE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION
WILLOWS MAINTENANCE STATION
LOCATION CODE No. 5734

PROJECT MANAGER
NAJED DAKAK

DESIGN ENGINEER
FERMIN BARRIGA

Marlene Gibb 12-06-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

February 22, 2011
PLANS APPROVAL DATE

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



THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

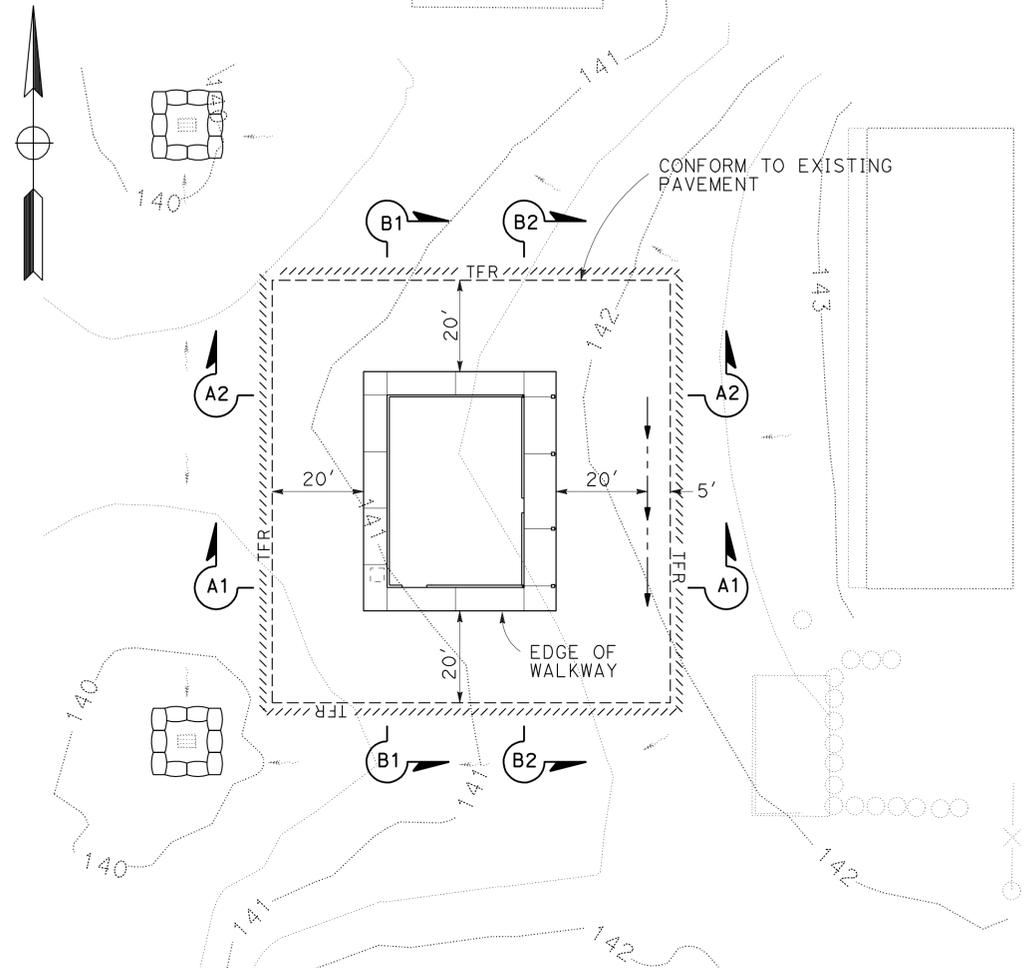
CONTRACT No.	03-3E4404
PROJECT ID	0300020000

LEGEND:

-  TEMPORARY DI PROTECTION
-  TEMPORARY FIBER ROLLS (TFR)

STRUCTURAL SECTIONS

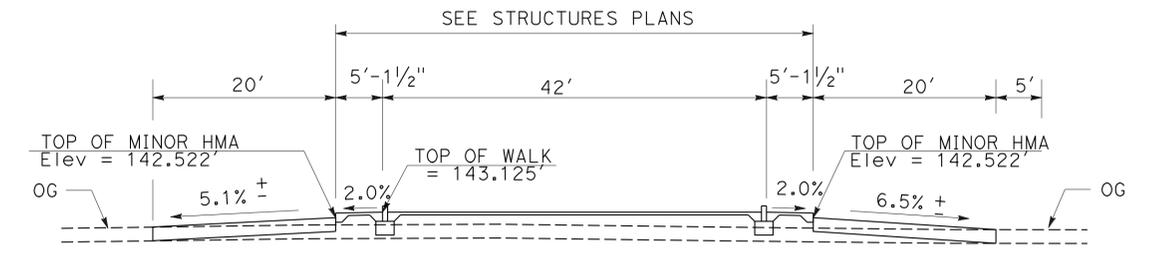
- 1 Exist
0.33' AC
1.00' to 1.50' AB
- 2 0.35' MINOR HMA
1.50' CLASS 2 AB



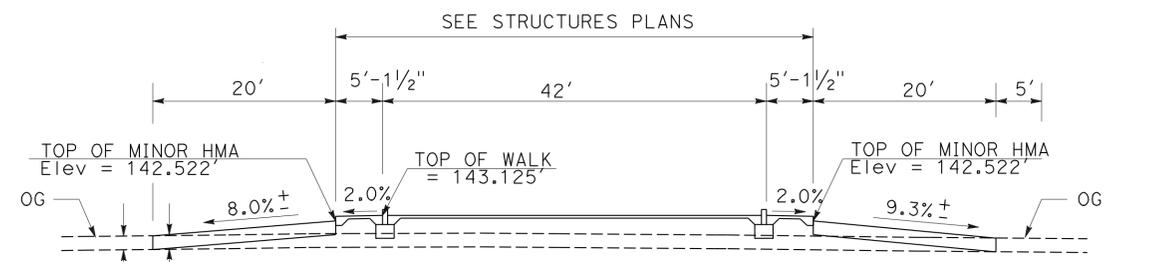
SITE GRADING DETAIL
SCALE: 1" = 20'

SITE GRADING QUANTITIES

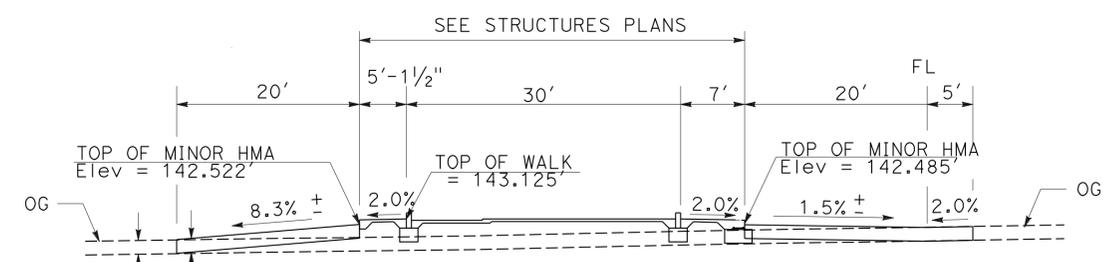
MINOR HOT MIX ASPHALT	CLASS 2 AGGREGATE BASE	ROADWAY EXCAVATION	TEMPORARY FIBER ROLLS	TEMPORARY DI PROTECTION
TON	CY	CY	LF	EA
169	325	291	360	2



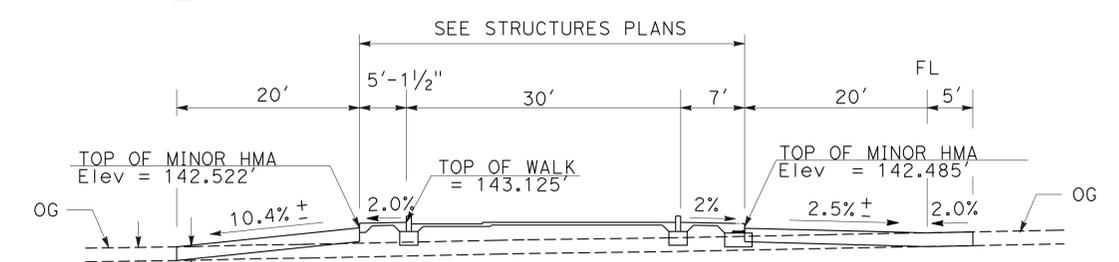
SECTION B2-B2



SECTION B1-B1



SECTION A2-A2



SECTION A1-A1

CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF ENGINEERING
 FERMIN BARRIGA
 MARLENE GIBB
 MARLENE GIBB
 7/2/2010

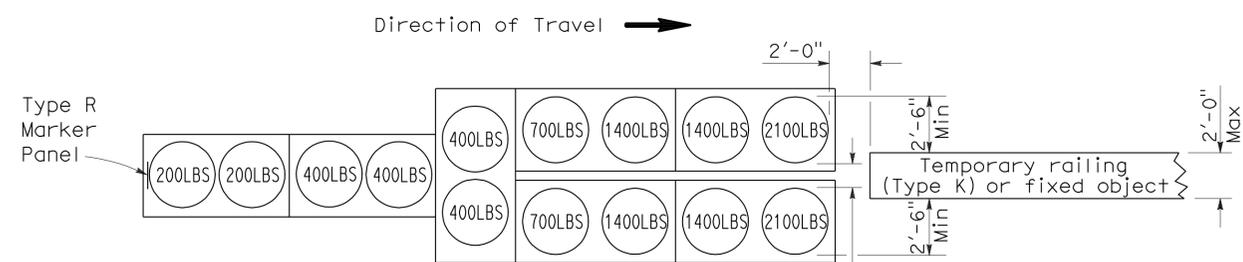
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		3	67

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

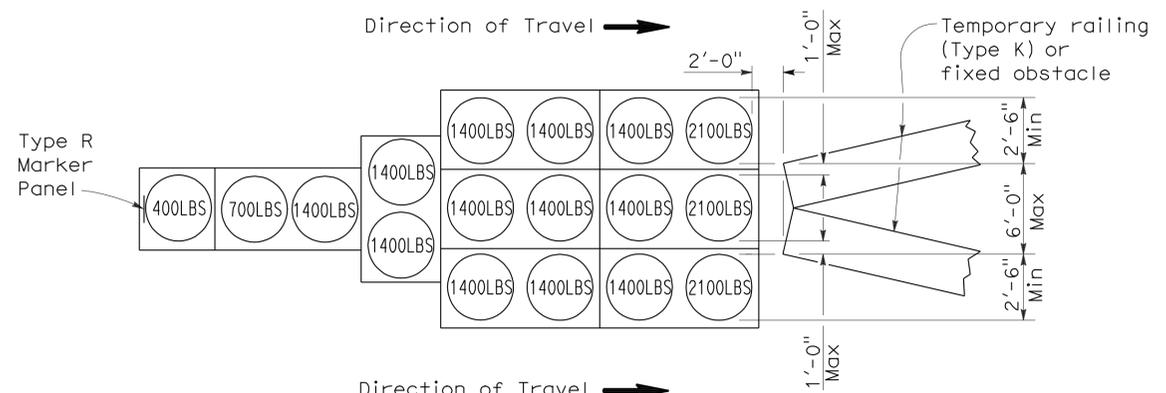
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-22-11



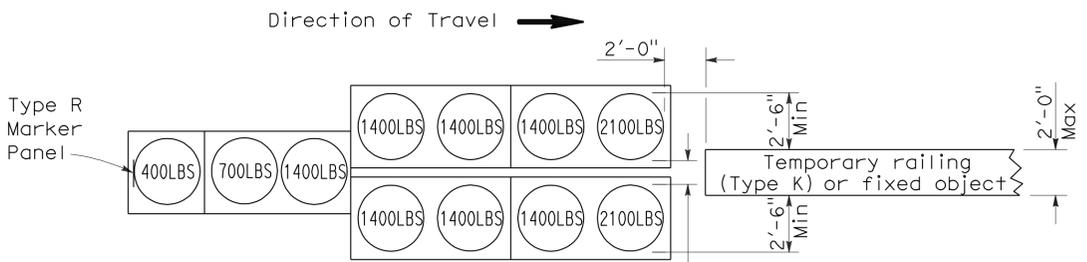
ARRAY 'TU14'

Approach speed 45 mph or more



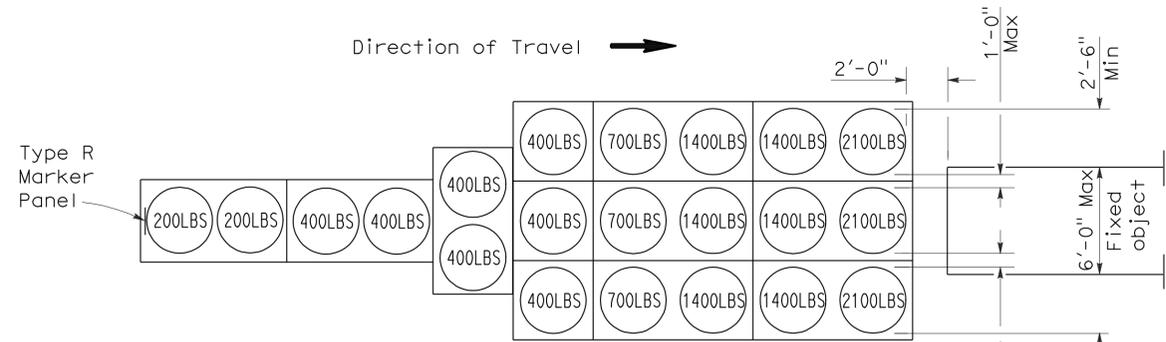
ARRAY 'TU17'

Approach speed less than 45 mph



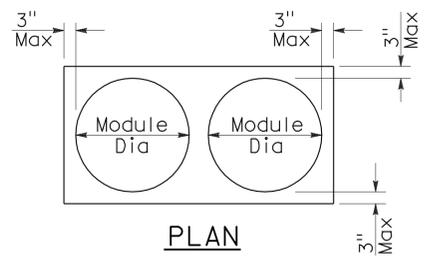
ARRAY 'TU11'

Approach speed less than 45 mph

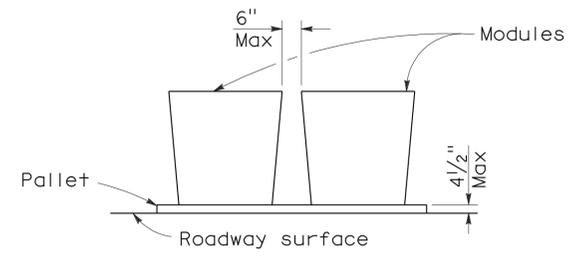


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

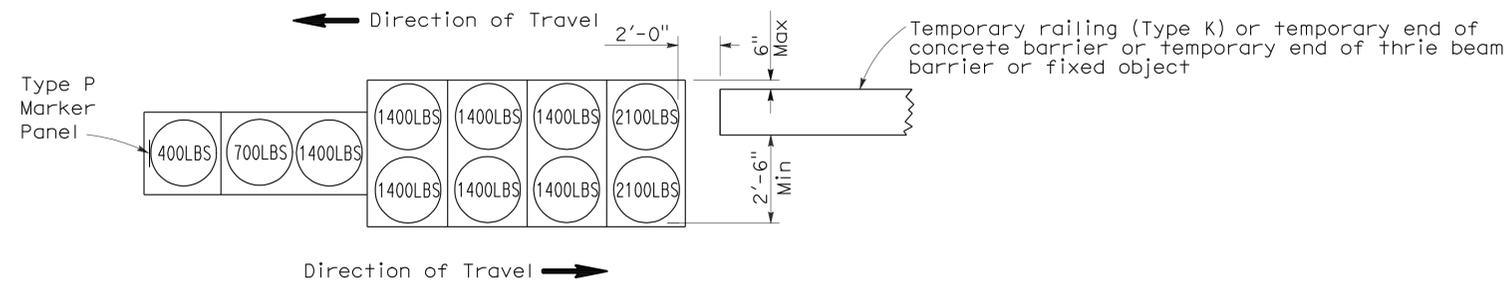
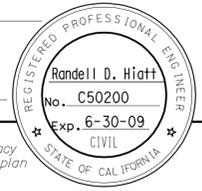
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		4	67

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

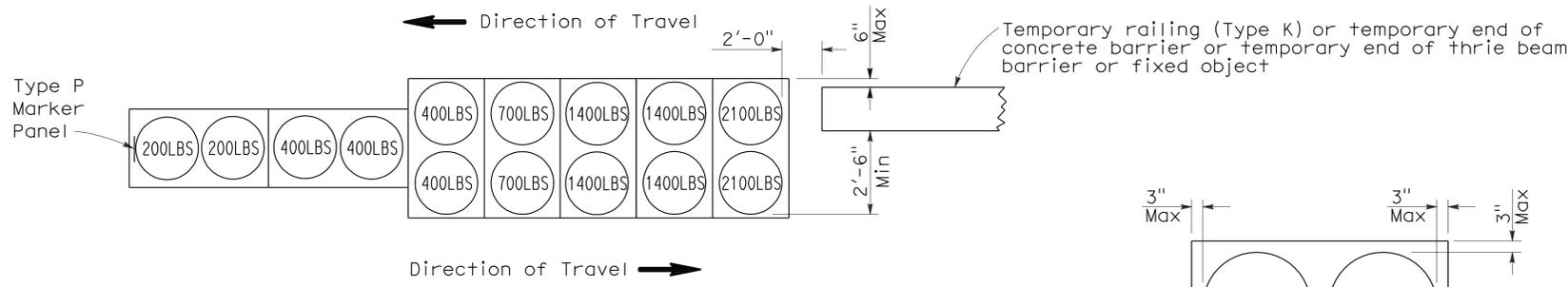
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To accompany plans dated 2-22-11



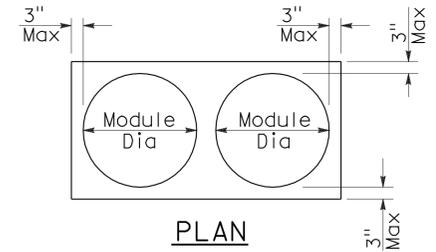
ARRAY 'TB11'

Approach speed less than 45 mph

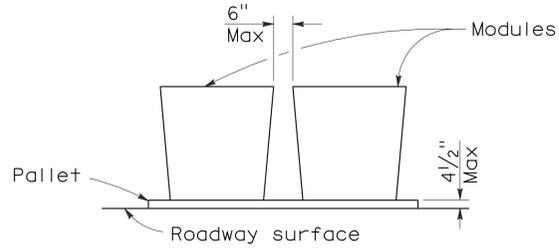


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		5	67

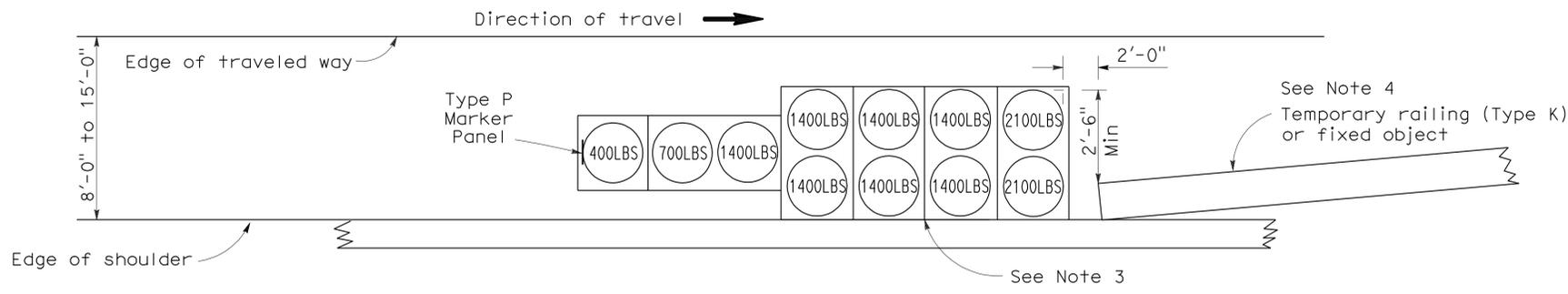
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

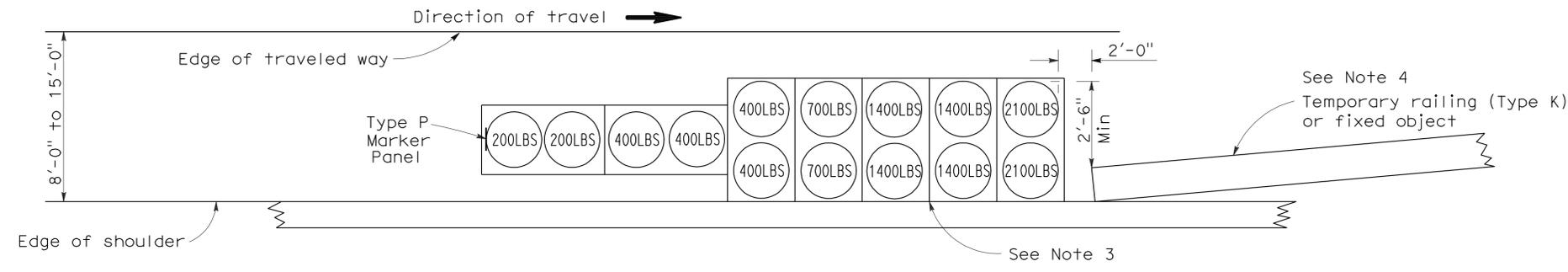
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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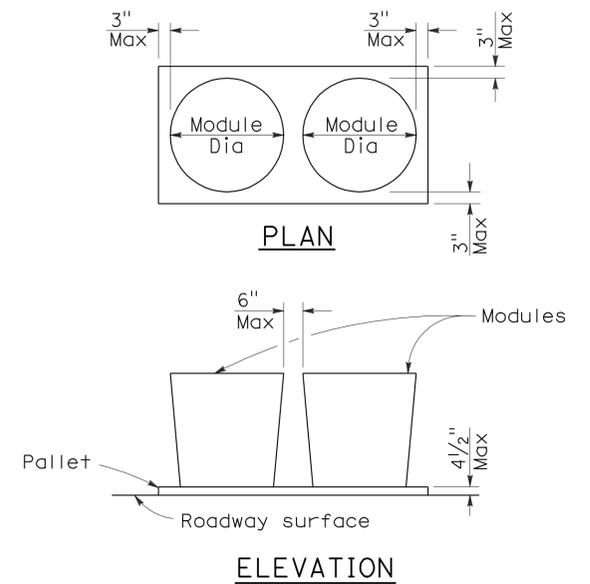
To accompany plans dated 2-22-11



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

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

REVISED STANDARD PLAN RSP T2

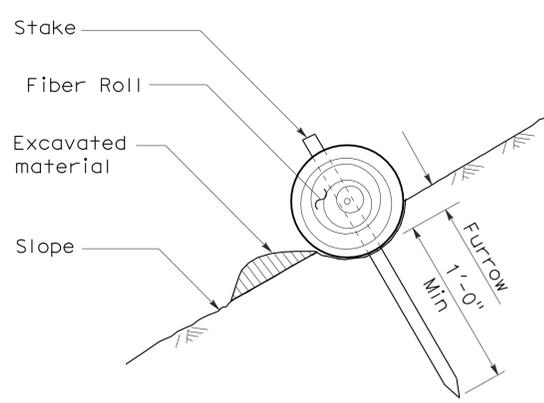
2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		6	67

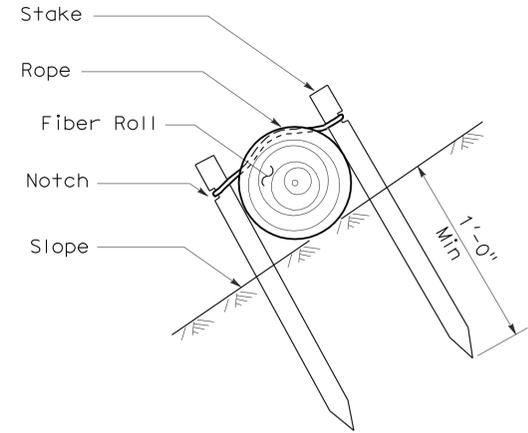
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
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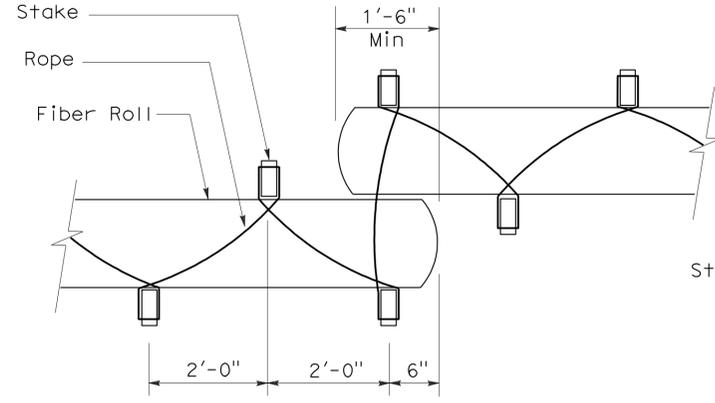
To accompany plans dated 2-22-11



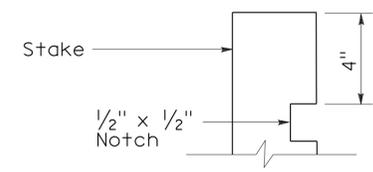
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



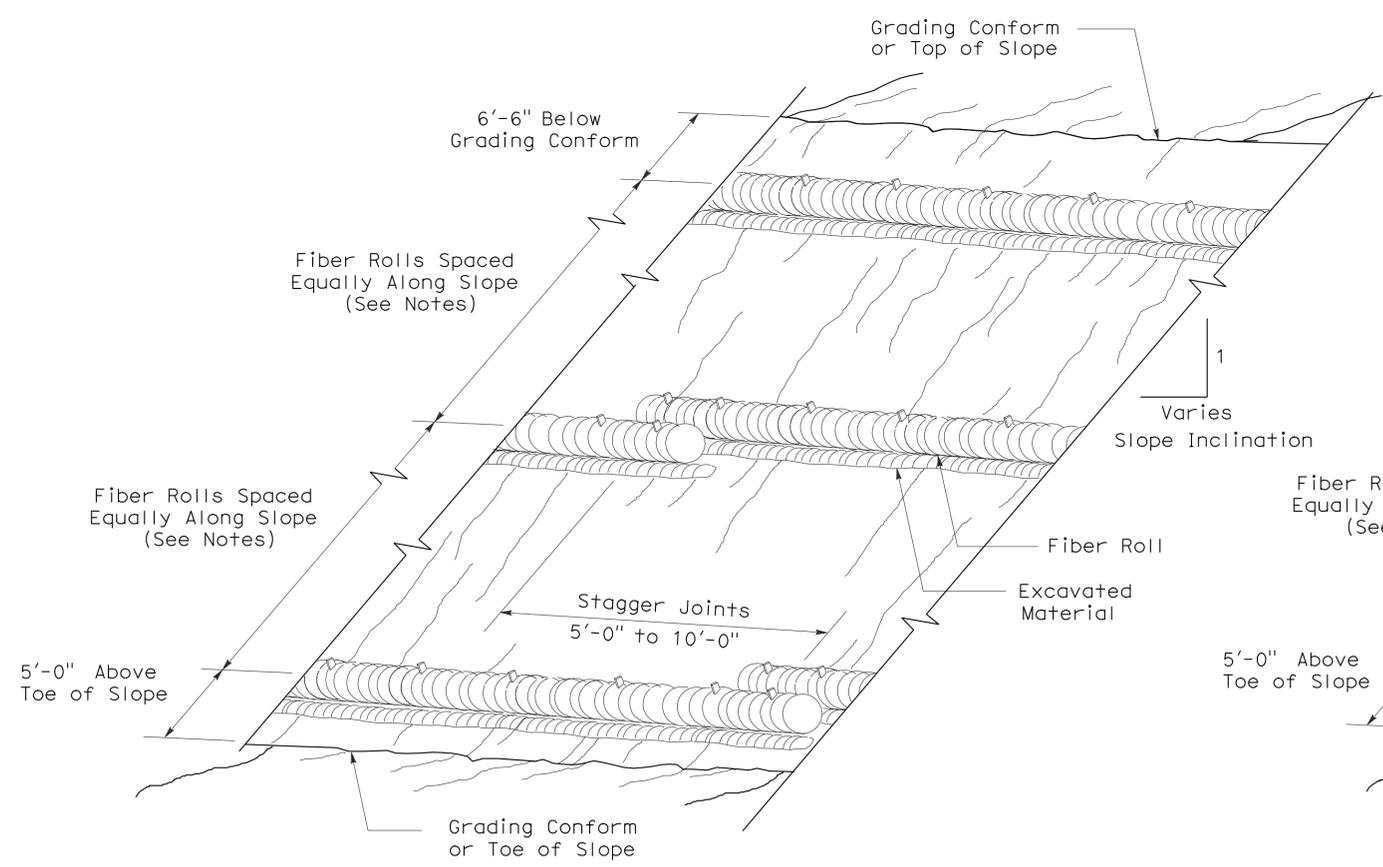
SECTION
TEMPORARY FIBER ROLL (TYPE 2)



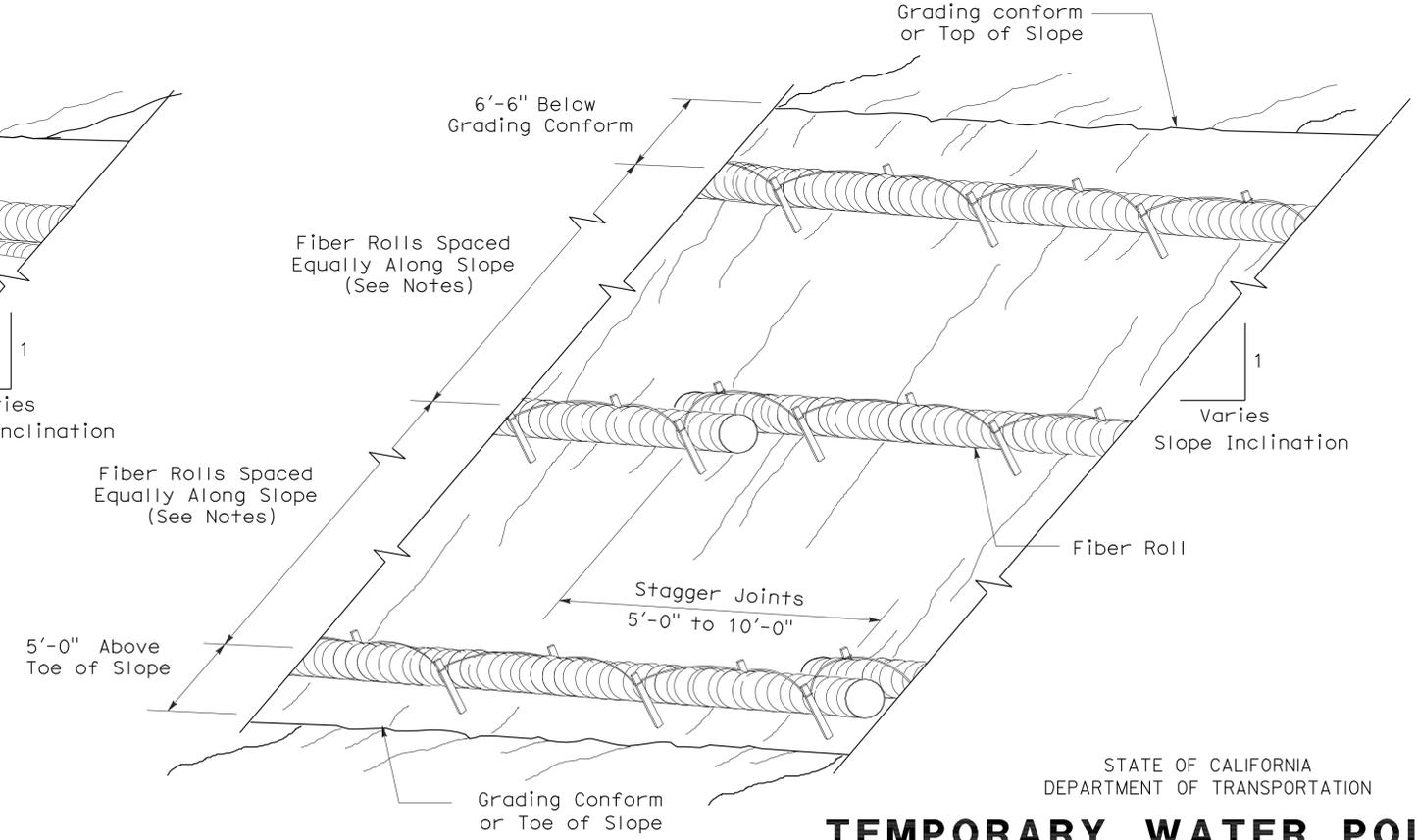
PLAN
TEMPORARY FIBER ROLL (TYPE 2)
ELEVATION
STAKE NOTCH DETAIL



- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
 2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)

NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

2006 REVISED STANDARD PLAN RSP T56

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		7	67

Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

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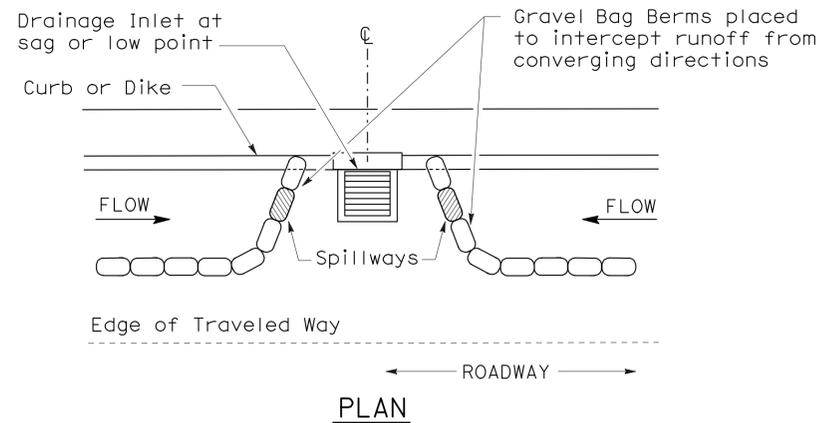
To accompany plans dated 2-22-11

2006 NEW STANDARD PLAN NSP T62

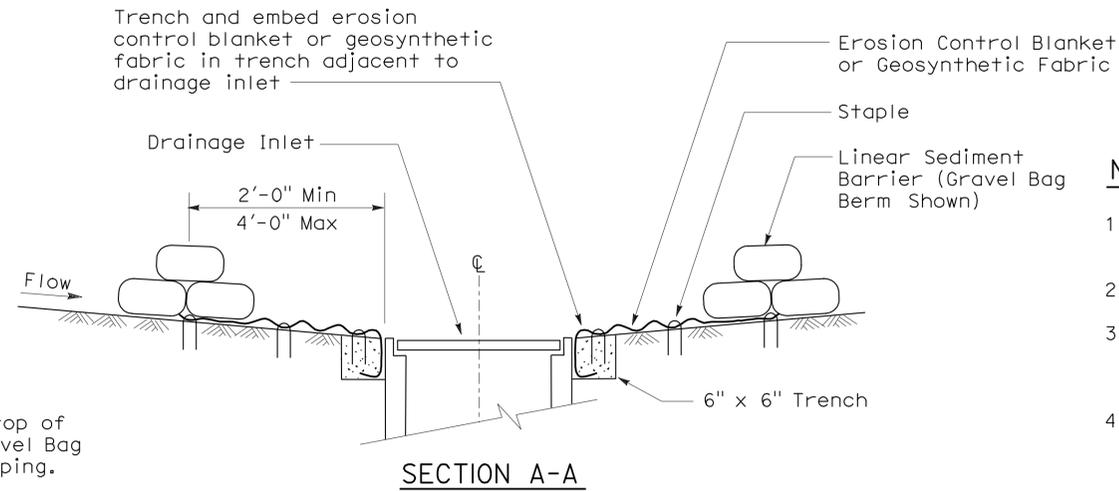
GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, install barriers only if erosion/sediment is prevalent



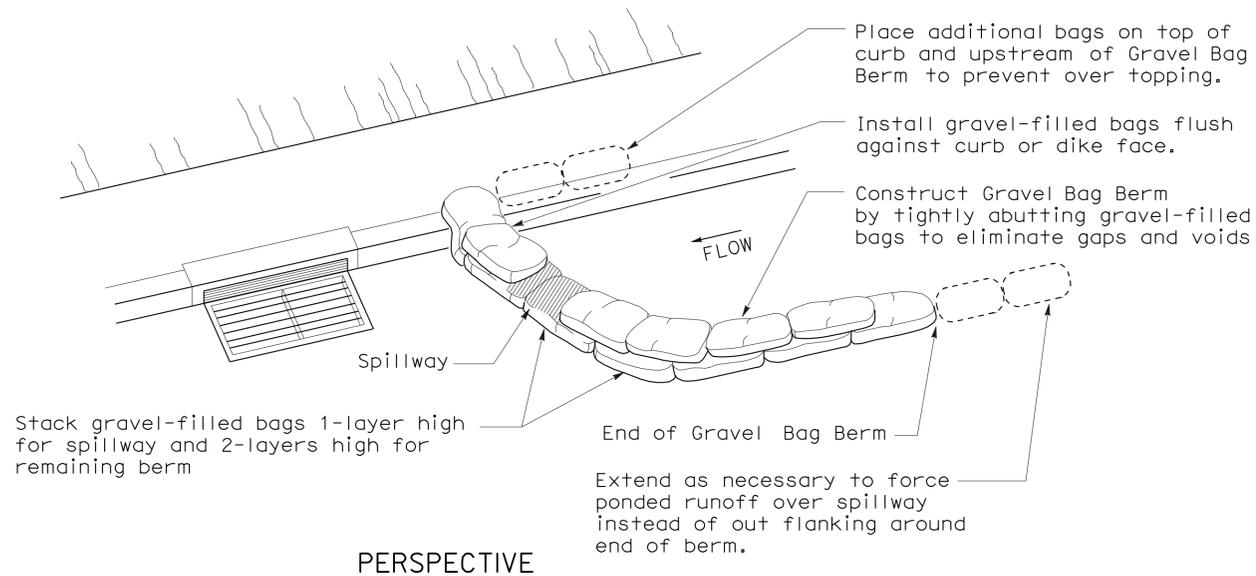
PLAN
CONFIGURATION FOR SAG POINT INLET
(GRAVEL BAG BERM)



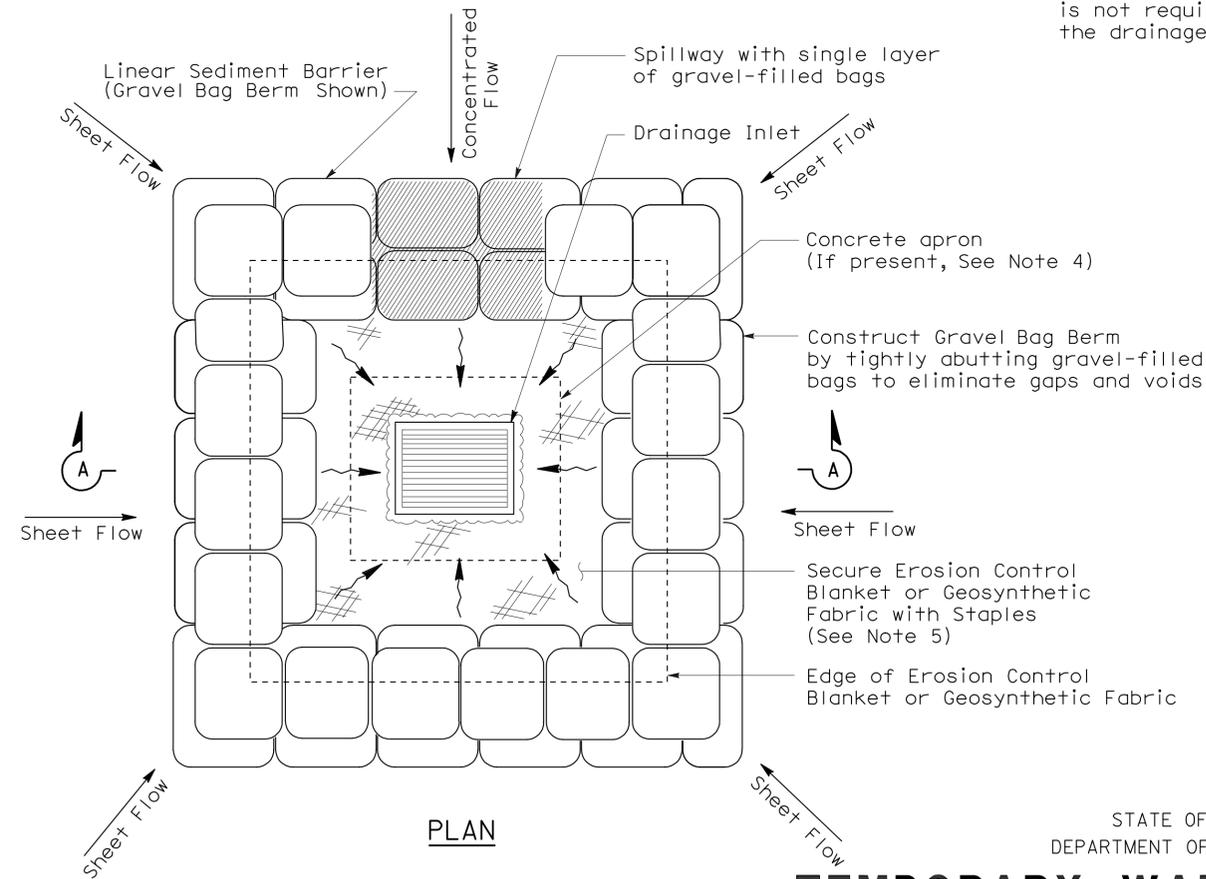
SECTION A-A

NOTES:

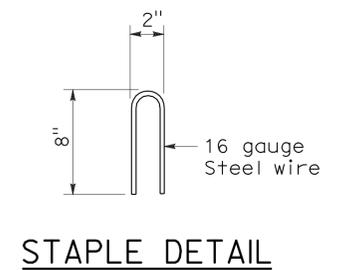
1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



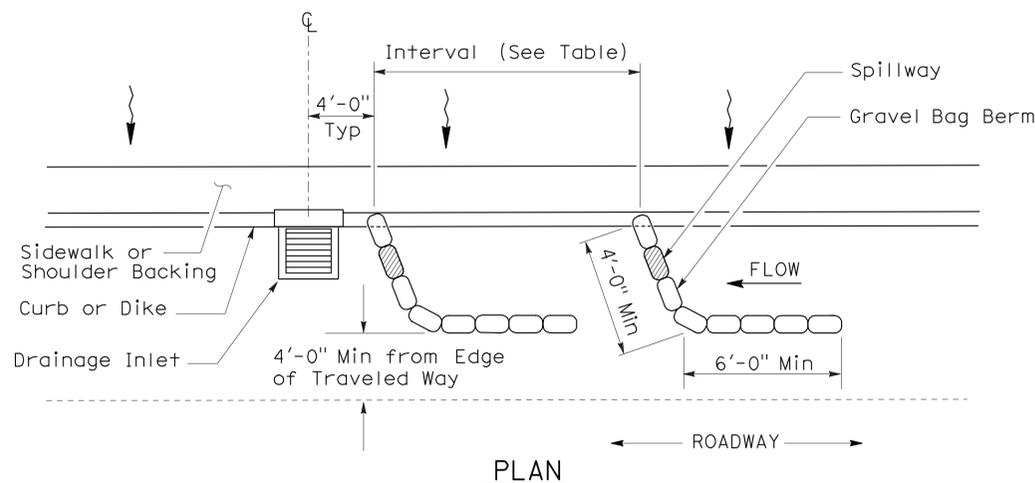
PERSPECTIVE



PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 3B)



STAPLE DETAIL



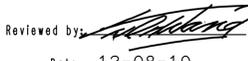
PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 3A)
(GRAVEL BAG BERM)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY DRAINAGE
INLET PROTECTION)

NO SCALE
NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		8	67

 LICENSED ARCHITECT		9/14/2010 DATE
2-22-11 PLANS APPROVAL DATE		
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
0300020000
 Reviewed by: 
 Date: 12-08-10

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: 
 GARY BLUMENTHAL
 Approval date: 11-23-10

CSFM FILE NO.
 01-11-0002

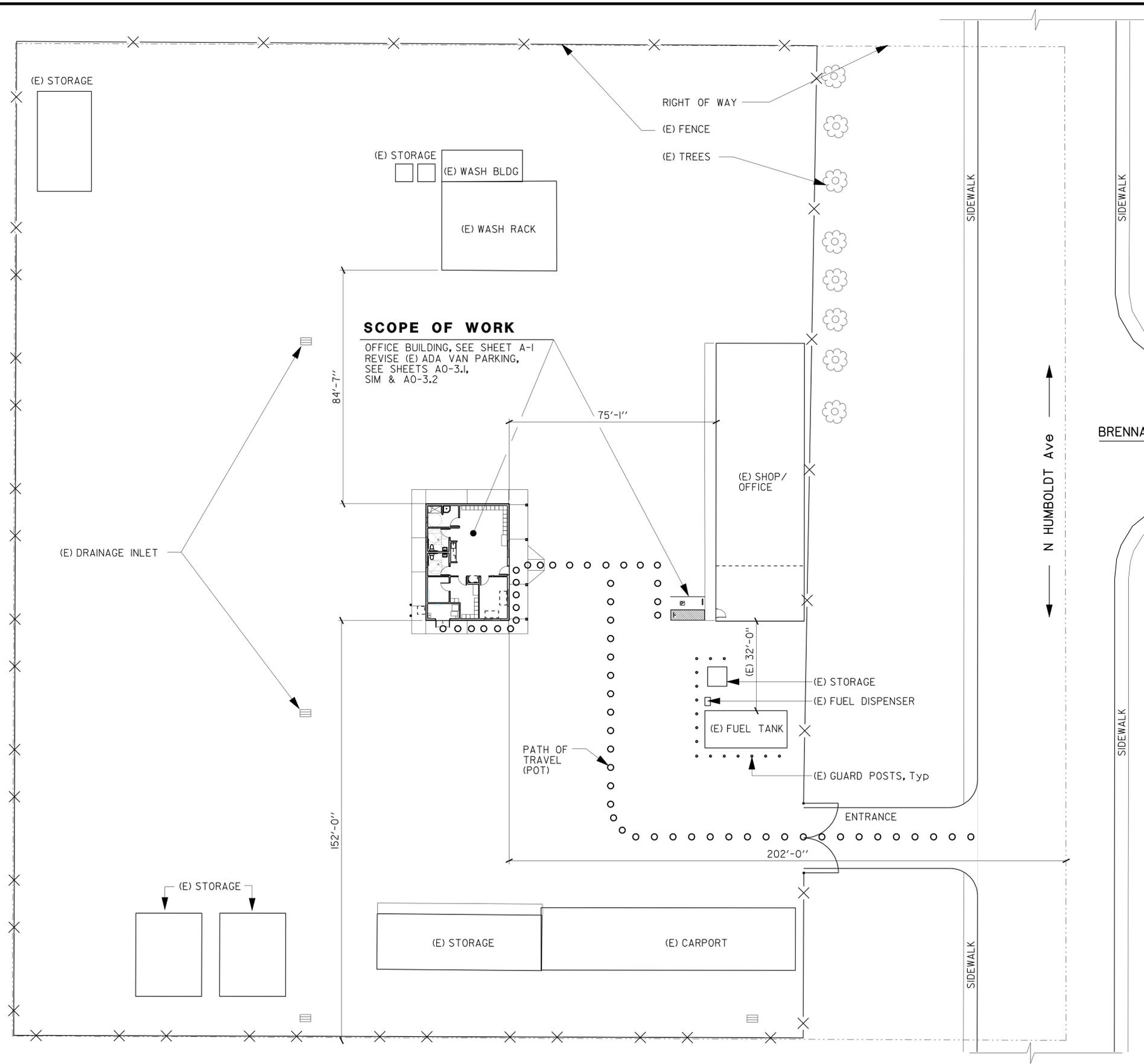
ACCESSIBILITY NOTES:

- POTS CONNECTING (E) BLDGS/FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
- POTS INDICATED AT SITE PLAN SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE PARKING AND ALL NEW EXTERIOR DOORS, AND BETWEEN SIDEWALKS ON ADJACENT STREET AND ALL NEW EXTERIOR DOORS. EXACT LOCATIONS OF POTS SHALL BE DETERMINED BY THE FIELD ENGINEER. THE CONTRACTOR SHALL VERIFY AND REMOVE ANY BARRIERS AT POT TO COMPLY WITH ALL THE ITEMS BELOW.
- POTS FROM ACCESSIBLE PARKING SPACE (WHICH SHALL BE UPGRADED IN THIS CONTRACT) AT EXISTING LOCATION TO ANY EXISTING BLDGS/FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
- ANY POTS FROM NEW BLDG TO EXISTING BLDGS/FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
- ANY POTS AMONG EXISTING BLDGS/FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
- POTS' SURFACE SHALL BE FIRM, STABLE, SLIP-RESISTANT, W/O LOOSE GRAVEL, SAND, CHIPS, ETC. ANY PLANTER/GRATE/COVER IN OR ADJACENT TO POTS SHALL REQUIRE EDGE PROTECTION OF MIN 6" HIGH CURB IF LEVEL CHANGE BETWEEN POT AND PLANTER/GRATE/COVER EXCEEDS 4".
- IF ANY EXTERIOR POTS ARE LESS THAN 60" WIDE, THEN PASSING SPACE AT LEAST 60" X 60" SHALL BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200'.
- EXTERIOR POTS SHALL BE MIN 48" WIDE. ALL POTS SHALL HAVE MIN 80" HEAD CLEARANCE, MAX 5% SLOPE IN THE DIRECTION OF TRAVEL, MAX 2% CROSS SLOPE, MAX 1/2" LEVEL CHANGE W/MAX 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4" MAY BE VERTICAL. ANY LEVEL CHANGE EXCEEDS 1/2" OR ANY SLOPE IN THE DIRECTION OF TRAVEL EXCEEDS 5% SHALL BE ACCOMMODATED BY CODE-COMPLIANT CURB RAMP OR RAMP.
- ALL DOORS AT NEW BLDG SHALL HAVE CLEAR LEVEL AREAS ON BOTH SIDES OF DOORS W/MAX 2% SLOPE IN ANY DIRECTION. CLEAR LEVEL AREA AT EXTERIOR DOOR FRONT APPROACH IN THE DIRECTION OF DOOR SWING SHALL BE MIN 60" X 60" (INCLUDING MIN 24" PASS DOOR STRIKE EDGE) FOR SINGLE DOOR, OR MIN 60" DEEP X DOUBLE-DOOR WIDTH FOR DOUBLE DOORS; AND MIN 48" DEEP X 36" WIDE OPPOSITE DOOR SWING (PLUS MIN 12" PASS DOOR STRIKE EDGE IF DOOR HAS BOTH LATCH AND CLOSER) FOR SINGLE DOOR, OR MIN 48" DEEP X DOUBLE-DOOR WIDTH FOR DOUBLE DOORS.
- CLEAR LEVEL AREA AT INTERIOR SINGLE DOOR FRONT APPROACH IN THE DIRECTION OF DOOR SWING SHALL BE MIN 60" DEEP X 54" WIDE (INCLUDING MIN 18" PASS DOOR STRIKE EDGE); AND MIN 48" DEEP X 36" WIDE OPPOSITE DOOR SWING (PLUS MIN 12" PASS DOOR STRIKE EDGE IF DOOR HAS BOTH LATCH AND CLOSER).
- LEVEL CHANGE AT THE DOORWAY, INCLUDING THRESHOLD THICKNESS, SHALL BE MAX 1/2" W/ MAX 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4" MAY BE VERTICAL.
- AISLES FORMED BY EQUIPMENT/STORED MATERIALS/WALLS AT ANY ROOMS SHALL BE MIN 36" WIDE IF SERVING ONE SIDE, AND MIN 44" WIDE IF SERVING BOTH SIDES.
- EXISTING ENTRANCE GATES ARE WITHOUT KEY CARD ACCESS, AND SHALL REMAIN OPEN DURING OPERATION HOURS.

SITE PLAN

SCALE: 1" = 20'-0"

NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



SCOPE OF WORK

OFFICE BUILDING, SEE SHEET A-1
 REVISE (E) ADA VAN PARKING,
 SEE SHEETS A0-3.1,
 SIM & A0-3.2

DESIGN SUPERVISOR	DESIGNER D IGNACIO	CHECKED BY Q WONG	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL P-I PLUMBING SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING GENERAL PLAN	SHEET GP
DESIGN ARCHITECT	DRAWN BY S YEH	STRUCTURAL REVIEW				POST MILE		SHEET OF X X
0_00_gp.dgn	28-FEB-2011 14:40	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE EA 3E4401	3598 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 07-20-10 08-20-10	SHEET OF X X

INDEX TO DRAWINGS

ARCHITECTURAL

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- AO-1 SHEET INDEX, GENERAL NOTES AND BUILDING DATA
- AO-2 ARCHITECTURAL ABBREVIATIONS AND SYMBOLS
- AO-3.1 ACCESSIBILITY STANDARD DETAILS
- AO-3.2 ACCESSIBILITY STANDARD DETAILS
- AO-3.3 ACCESSIBILITY STANDARD DETAILS
- AO-3.4 ACCESSIBILITY STANDARD DETAILS
- AO-3.5 ACCESSIBILITY STANDARD DETAILS
- AO-4 BUILDING PERIMETER GRADING
- AO-5 DOOR AND WINDOW SCHEDULE/ COLOR AND FINISH SCHEDULE

- A-1 FLOOR PLAN
- A-2 REFLECTED CEILING PLAN
- A-3 ROOF PLAN
- A-4 EXTERIOR ELEVATIONS
- A-5 BUILDING SECTION
- A-6 BUILDING SECTION
- A-7 INTERIOR ELEVATIONS
- A-8 INTERIOR ELEVATIONS
- A-9 DOOR AND WINDOW DETAILS
- A-10 WINDOW AND WALL DETAILS
- A-11 ROOF DETAILS
- A-12 ROOF DETAILS
- A-13 INTERIOR DETAILS

STRUCTURAL

- ST-1 LEGEND
- ST-2 CONCRETE STANDARD
- ST-3A COLD FORMED STEEL FRAMING AND NOTES
- ST-3B COLD FORMED STEEL DETAILS - WALLS
- ST-3C COLD FORMED STEEL DETAILS - WALLS
- ST-3D COLD FORMED STEEL DETAILS - WALLS
- ST-3E COLD FORMED STEEL DETAILS - ROOF
- ST-3F COLD FORMED STEEL DETAILS - ROOF
- LOG OF TEST BORINGS 1 OF 3
- LOG OF TEST BORINGS 2 OF 3
- LOG OF TEST BORINGS 3 OF 3
- STI-0 DESIGN CRITERIA AND DETAIL NOTES
- STI-1 FOUNDATION PLAN
- STI-2 ROOF FRAMING PLAN
- STI-3 BUILDING SECTIONS
- STI-4 FOUNDATION DETAILS
- STI-5 ROOF TRUSS DIAGRAMS AND NOTES
- STI-6 FRAMING DETAILS
- STI-7 FRAMING DETAILS

MECHANICAL

- M-0 ABBREVIATIONS AND LEGENDS
- M-1.5 TITLE 24 COMPLIANCE CERTIFICATES
- M-1 MECHANICAL SITE PLAN
- M-2 HVAC PLAN
- M-3 PLUMBING PLAN
- M-4 PLUMBING ISOMETRICS
- M-5 DETAILS

ELECTRICAL

- EE-1 LEGEND
- EE-2 PARTIAL SITE PLAN AND ELEVATION
- EE-3 POWER PLAN
- EE-4 LIGHTING PLAN
- EE-5 HVAC PLAN
- EE-6 COMMUNICATION PLAN
- EE-7 PANEL SCHEDULE AND FIXTURE LIGHTING SCHEDULE
- EE-8 TITLE 24 COMPLIANCE No. 1
- EE-9 TITLE 24 COMPLIANCE No. 2
- EE-10 TITLE 24 COMPLIANCE No. 3
- EE-II TITLE 24 COMPLIANCE No. 4

GENERAL NOTES

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

SCOPE OF WORK

- CONSTRUCT NEW OFFICE BUILDING
- REVISE (E) ADA VAN PARKING

DESIGN CRITERIA

THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE

- 2007 CALIFORNIA BUILDING CODE
- 2007 CALIFORNIA FIRE CODE
- 2007 CALIFORNIA MECHANICAL CODE
- 2007 CALIFORNIA PLUMBING CODE
- 2007 CALIFORNIA ELECTRICAL CODE
- 2007 CALIFORNIA ENERGY CODE
- CURRENT EDITION OF AMERICANS WITH DISABILITIES ACT

BUILDING DATA

CONSTRUCTION TYPE: CBC CHAPTER 6 _____ V-B
 ROOF COVERING CLASSIFICATION:
 CBC CHAPTER 15 _____ C

OCCUPANCY GROUP:
 CBC CHAPTER 3 _____ B

FIRE RESISTANCE OF EXTERIOR WALLS, CBC
 TABLE 602

NO REQUIREMENT GREATER THAN OR
 EQUAL TO 10 FT FROM PROPERTY LINE

NO FIRE SPRINKLERS REQUIRED

NO FIRE ALARMS REQUIRED

OFFICE/CREW BUILDING

- A. ACTUAL BUILDING AREA
1,260 SQ FT
- B. ALLOWABLE BUILDING AREA
9,000 SQ FT
- A. ACTUAL BUILDING HEIGHT
1 STORY = 17 FT
- B. ALLOWABLE BUILDING HEIGHT
2 STORY = 40 FT

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		9	67

Ferdinando Ignacio
 LICENSED ARCHITECT DATE 9/14/2010

2-22-11
 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
0300020000

Reviewed by: *[Signature]*
 Date: 12-08-10

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]*
 GARY BLUMENTHAL
 Approval date: 11-23-10

OCCUPANCY LOAD CALCULATION PER ROOM AREA				
ROOM NUMBER	ROOM NAME	OCCUPANCY GROUPS (SQUARE FEET)	OCCUPANT LOAD FACTOR	NUMBER OF ROOM OCCUPANTS
		B		
100	OFFICE	170	100	2
101	CREW/LOCKER ROOM	560	15	38
102A	JANITOR	50	300	1
102B	SHOWER	45	N/A	-
103	MEN'S RESTROOM	75	N/A	-
104	WOMEN'S RESTROOM	70	N/A	-
105	LOCKER ROOM	140	50	3
106	HVAC/ELECTRICAL ROOM	70	300	1
107	RADIO ROOM	80	300	1
TOTAL ROOM AREA (SF)		1260		
TOTAL OCCUPANTS PER CODE				46

DESIGN	BY D IGNACIO	CHECKED Q WONG
DETAILS	BY S YEH	CHECKED Q WONG
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5734
 POST MILE

WILLOWS MAINTENANCE STATION OFFICE BUILDING
 SHEET INDEX, GENERAL NOTES, & BUILDING DATA

SHEET **A0-1** OF

ARCHITECTURAL ABBREVIATIONS

&	AND	EA	EACH	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	TSCD	TOILET SEAT COVER DISPENSER
L	ANGLE	EEWS	EMERGENCY EYEWASH AND SHOWER	ID	IDENTIFICATION	QT	QUARRY TILE	TTD	TOILET TISSUE DISPENSER
Ⓢ	CENTER LINE	EF	EXHAUST FAN	IN	INCH	QTY	QUANTITY	TYP	TYPICAL
°	DEGREE	EHD	ELECTRIC HAND DRYER	INSUL	INSULATION	(R)	RELOCATED	UNF	UNFINISHED
∅	DIAMETER OR ROUND	EJ	EXPANSION JOINT	INT	INTERIOR	RA	RADIUS, RISER	UON	UNLESS OTHERWISE NOTED
#	NUMBER	EL	ELEVATION (HEIGHT)	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	R/W	RIGHT OF WAY	UR	URINAL
d	PENNY	ELEC	ELECTRICAL	JAN	JANITOR	RD	ROOF DRAIN	VAR	VARIES
□	SQUARE	ELEV	ELEVATION (VIEW)	JH	JOIST HANGER	RDWD	REDWOOD	VCT	VINYL COMPOSITION TILE
AB	ANCHOR BOLT	EMER	EMERGENCY	JST	JOIST	REF	REFERENCE	VERT	VERTICAL
ABV	ABOVE	ENCL	ENCLOSURE	JT	JOINT	REFG	REFRIGERATOR	VEST	VESTIBULE
A/C	AIR CONDITIONING	EP	ELECTRICAL PANEL	KIT	KITCHEN	REINF	REINFORCED(ING)	VTR	VENT THROUGH ROOF
AC	ASPHALT CONCRETE	EQ	EQUAL	LAB	LABORATORY	REQD	REQUIRED	W	WEST
ACOUS	ACOUSTICAL	EQUIP	EQUIPMENT	LAM	LAMINATE	RFG	ROOFING	W/	WITH
ADDL	ADDITIONAL	EWC	ELECTRIC WATER COOLER	LAV	LAVATORY	RFSWN	ROUGHSAWN	W/O	WITHOUT
ADJ	ADJUSTABLE	EXP	EXPANSION	LBF	POUND-FORCE	RH	ROUND HEAD	WHBD	WHITEBOARD
ALT	ALTERNATE	EXPO	EXPOSED, EXPOSURE	LBS	POUNDS	RHWS	ROUND HEAD WOOD SCREW	WC	WATER CLOSET
ALUM	ALUMINUM	EXT	EXTERIOR	LF	LINEAR FEET	RJ	ROOF JOIST	WD	WOOD
APA	AMERICAN PLYWOOD ASSOCIATION	FD	FLOOR DRAIN	LKR	LOCKER	RM	ROOM	WDW	WINDOW
ARCH	ARCHITECTURAL, ARCHITECT	FDN	FOUNDATION	LPG	LIQUIFIED PETROLEUM GAS	RO	ROUGH OPENING	WH	WATER HEATER
ASPH	ASPHALT	FEC	FIRE EXTINGUISHER CABINET	LS	LAG SCREW	RSWN	RESAWN	WP	WORKING POINT
BD	BOARD	FG	FINISH GRADE	MAT	MATERIAL	RTE	ROUTE	WR	WASTE RECEPTACLE
BITUM	BITUMINOUS	FH	FIRE HYDRANT	MAX	MAXIMUM	RWL	RAINWATER LEADER	WR	WATER RESISTANT
BLDG	BUILDING	FHC	FIRE HOSE CABINET	MB	MACHINE BOLT	S	SOUTH	WS	WALL SURFACE
BLK	BLOCK	FHMS	FLAT HEAD METAL SCREW	MBR	MEMBER	SA	SUPPLY AIR	WSCT	WAINSCOT
BLKG	BLOCKING	FHWS	FLAT HEAD WOOD SCREW	MECH	MECHANICAL	SC	SOLID CORE	WT	WEIGHT
BM	BEAM	FIN	FINISH	MEMB	MEMBRANE	SCHD	SCHEDULE	WTPR	WATERPROOFING
BOT	BOTTOM	FJ	FLOOR JOIST	MET	METAL	SD	SOAP DISPENSER	WWF	WELDED WIRE FABRIC
BR	BRIDGE	FLASH	FLASHING	MFR	MANUFACTURER	SDST	SELF DRILLING SELF TAPPING	YD	YARD
BTWN	BETWEEN	FLR	FLOOR	MH	MAN HOLE	SF	SQUARE FEET		
BUR	BUILT-UP-ROOFING	FLUOR	FLUORESCENT	MIN	MINIMUM	SH	SHELF		
CAB	CABINET	FOC	FACE OF CONCRETE	MIR	MIRROR	SHR	SHOWER		
CB	CATCH BASIN	FOF	FACE OF FINISH	MISC	MISCELLANEOUS	SHT	SHEET		
CEM	CEMENT	FOM	FACE OF MASONRY	MIW	MALLEABLE IRON WASHER	SHTG	SHEATHING		
CER	CERAMIC	FOS	FACE OF STUD	MO	MASONRY OPENING	SIM	SIMILAR		
CIP	CAST IN PLACE	FOW	FACE OF WALL	MR	MOISTURE RESISTANT	SMS	SHEET METAL SCREW		
CJ	CONTROL JOINT	FRP	FIBERGLASS REINFORCED PLASTIC PANEL	MTD	MOUNTED	SND	SANITARY NAPKIN DISPOSAL		
CJ	CEILING JOIST	FT	FEET, FOOT	MUL	MULLION	SPEC	SPECIFICATION		
CL	CHAIN LINK	FTG	FOOTING	N	NORTH	SPS	STRUCTURAL PLYWOOD SHEATHING		
CLG	CEILING	FURR	FURRING	NO	NUMBER	SQ	SQUARE		
CLO	CLOSET	FWY	FREEWAY	NIC	NOT IN CONTRACT	SRRA	SAFETY ROADSIDE REST AREA		
CLR	CLEAR	GA	GAUGE	NO	NOMINAL	SS	SERVICE SINK		
CMU	CONCRETE MASONRY UNIT	GALV	GALVANIZED	NOM	NOMINAL	SST	STAINLESS STEEL		
COL	COLUMN	GB	GRAB BAR	NTS	NOT TO SCALE	STA	STATION		
COMBO	COMBINATION	GI	GALVANIZED IRON	OBSC	OBSCURE	STAG	STAGGER		
COMP	COMPOSITION	GL	GLASS	OC	ON CENTER	STD	STANDARD		
CONC	CONCRETE	GL	GLASS	OD	OUTSIDE DIAMETER	STL	STEEL		
CONN	CONNECTION	GLULAM	GLUE LAMINATED MEMBER	OFF	OFFICE	STOR	STORAGE		
CONST	CONSTRUCTION	GLZ	GLAZING	OH	OPPOSITE HAND	STRUC	STRUCTURAL		
CONT	CONTINUOUS	GMU	GLASS MASONRY UNITS	OHD	OVERHEAD DOOR	SUSP	SUSPENDED		
CORR	CORRIDOR	GR	GRADE	OHWS	OVERHEAD WOOD SCREW	SYM	SYMMETRICAL		
CPT	CARPET	GSM	GALVANIZED SHEET METAL	OPNG	OPENING	T&B	TOP AND BOTTOM		
CT	CERAMIC TILE	GYP	GYP SUM	OPP	OPPOSITE	T&G	TONGUE AND GROOVE		
CTR	CENTER	GYP BD	GYP SUM BOARD	OPT	OPTION, OPTIONAL	TEL	TELEPHONE		
CTSK	COUNTERSUNK	HB	HOSE BIB	PB	POST BASE	TEMP	TEMPERED		
CY	CUBIC YARD	HC	HOLLOW CORE	PC	POST CAP	TEMP	TEMPORARY		
DBL	DOUBLE	HD	HEAD	PCC	PORTLAND CEMENT CONCRETE	THK	THICK		
DEPT	DEPARTMENT	HD	HOLD DOWN	PERF	PERFORATED	THLD	THRESHOLD		
DET	DETAIL	HDR	HEADER	PH	PHILIPS HEAD	TJ	TOOLED JOINT		
DF	DRINKING FOUNTAIN	HDWD	HARDWOOD	PL	PLATE	TKBD	TACKBOARD		
DF	DOUGLAS FIR	HDWR	HARDWARE	PLAM	PLASTIC LAMINATE	TN	TOE NAIL		
DIA	DIAMETER	HEX	HEXAGONAL	PLAS	PLASTER	TOC	TOP OF CURB/ CONCRETE		
DIM	DIMENSION	HF	HEMLOCK-FIR	PLWD	PLYWOOD	TOP	TOP OF PAVEMENT		
DN	DOWN	HGR	HANGER	PMF	PRESSED METAL FRAME	TOS	TOE OF SLOPE		
DP	DEEP	HM	HOLLOW METAL	PR	PAIR	TOT	TOTAL		
DR	DOOR	HORIZ	HORIZONTAL	PRTN	PARTITION	TOW	TOP OF WALL		
DS	DOWNSPOUT	HR	HOUR	PT	POINT	TS	TUBULAR STEEL		
DWG	DRAWING	HSB	HIGH STRENGTH BOLT	PTD	PAPER TOWEL DISPENSER	TWH	TANKLESS WATER HEATER		
DWR	DRAWER	HT	HEIGHT	PTDR	PAPER TOWEL DISPENSER/ WASTE RECEPTACLE				
(E)	EXISTING	HVAC	HEATING, VENTILATING, AIR CONDITIONING						
E	EAST	HWY	HIGHWAY						

SYMBOLS

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

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5		10	67
 LICENSED ARCHITECT			9/14/2010	DATE	
2-22-11					
PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0300020000 Reviewed by: Date: 12-08-10	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: GARY BLUMENTHAL Approval date: 11-23-10
--	---

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

STANDARD DRAWING		DESIGN BY D IGNACIO	CHECKED Q WONG	STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING		SHEET A0-2
FILE NO. XS-26-4	DATE 12/06	DETAILS BY S YEH	CHECKED Q WONG	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS		
a0_2_abbrev.dgn		QUANTITIES BY		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE		3598 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF X X
28-FEB-2011 06:49				0 1 2 3				REVISION DATES (PRELIMINARY STAGE ONLY)		07-20-10	

28-FEB-2011 06:49

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		11	67

		01-02-10
LICENSED ARCHITECT		DATE

2-22-11	
PLANS APPROVAL DATE	

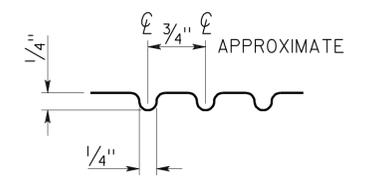
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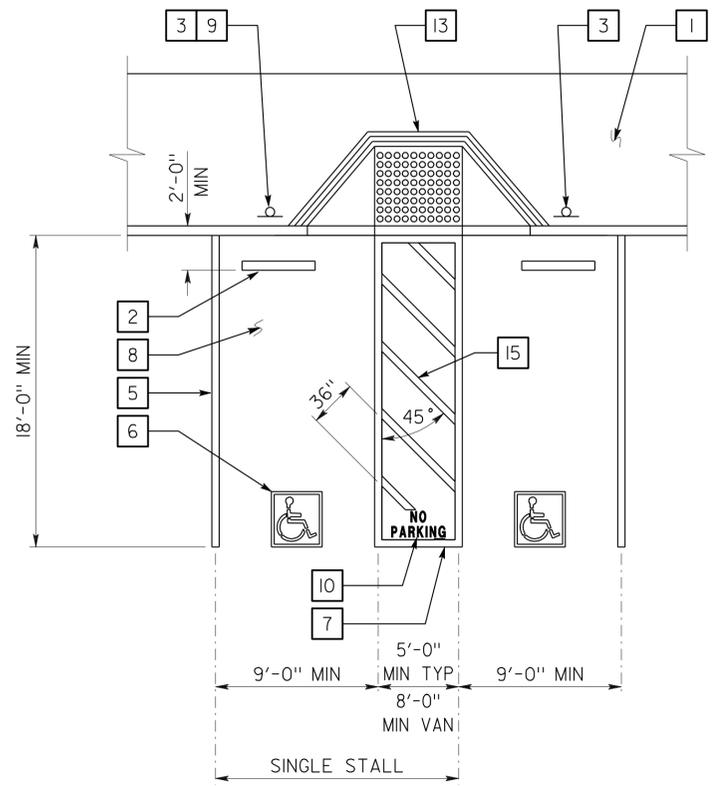
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Reviewed by: Date: 12-08-10	

KEYED NOTE LEGEND FOR DETAILS 1 & 2

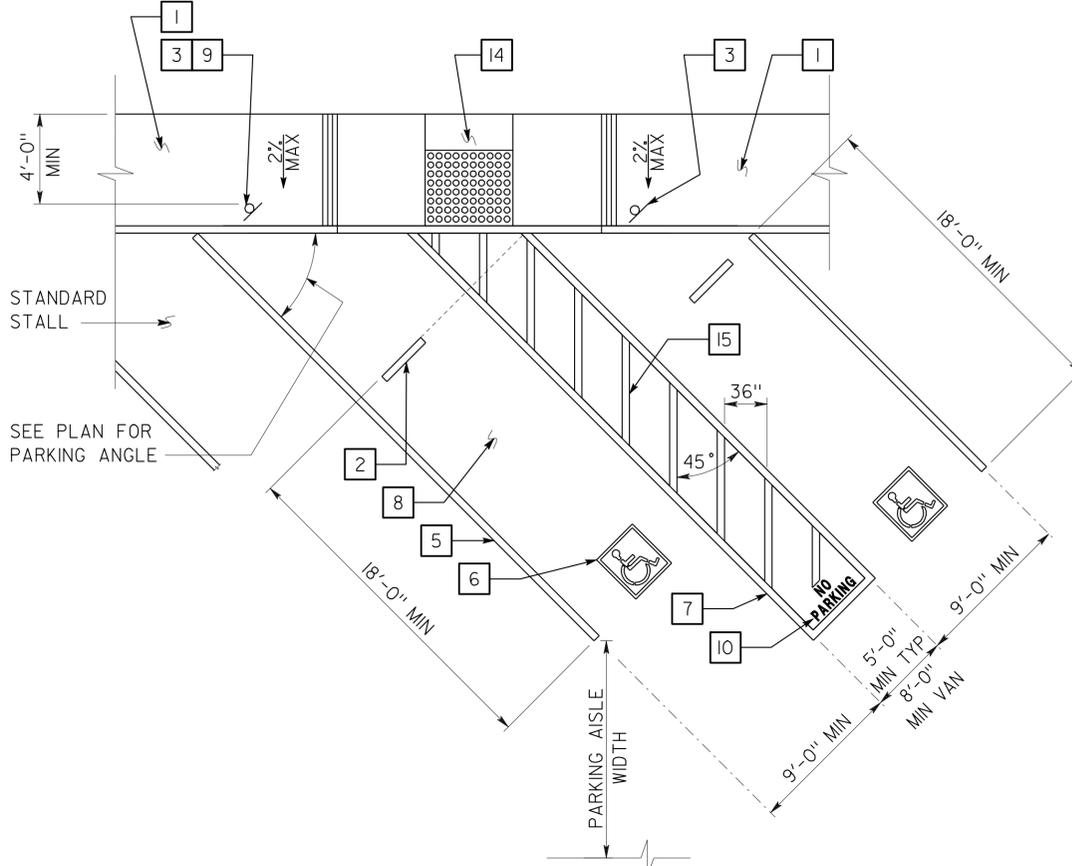
- CONCRETE WALKWAY (WHERE OCCURS) SEE PLANS FOR WIDTH, LAYOUT (MAY VARY), FINISH, JOINTS AND ELEVATIONS.
- PARKING BUMPER (AWAY FROM ACCESS AISLE). SEE SPECIFICATIONS.
- ACCESSIBLE PARKING SPACE SIGNAGE SEE DETAIL 1 ON SHEET AO-3.2.
- 1' WIDE GROOVED BORDER ON LEVEL SURFACE TYP AT RAMP PERIMETER. SEE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



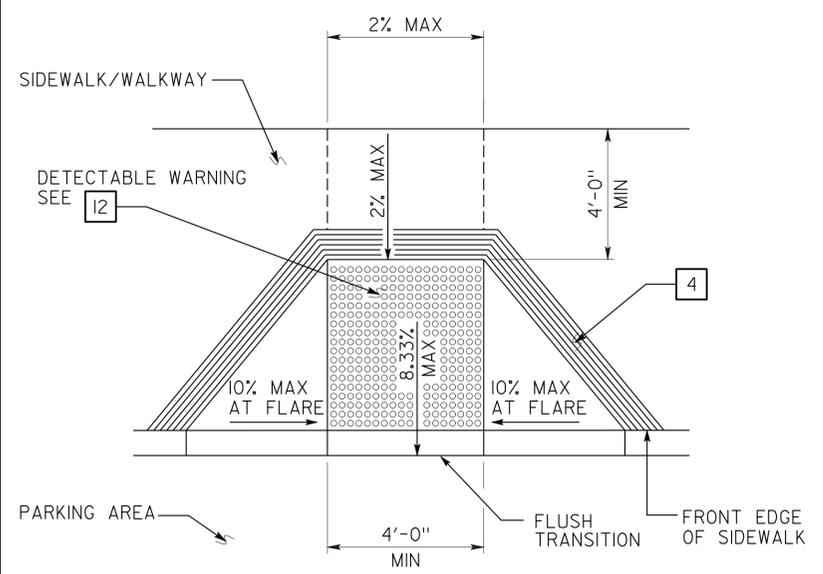
3 GROOVE DETAIL



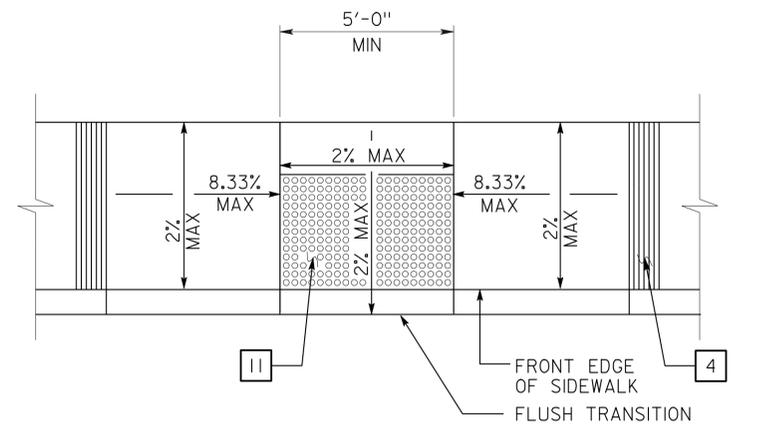
1 ACCESSIBLE PARKING STALL



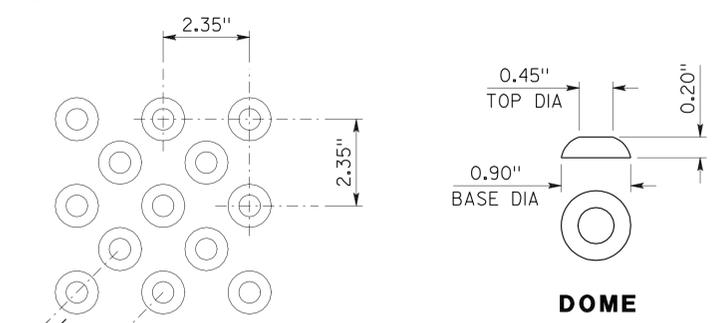
2 DIAGONAL ACCESSIBLE PARKING STALL
SEE PLAN FOR ANY VARIATION OF DIAGONAL PARKING



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



6 DETECTABLE WARNING - TRUNCATED DOMES

OFFSET PATTERN SHOWN MAY BE RE-ORIENTED INTO IN-LINE PATTERN WHERE DOMES ARE ALIGNED IN THE DIRECTION OF TRAVEL. DOME DIMENSIONS ARE NOMINAL, WHICH MAY BE WITHIN ±0.05" FOR DOME SPACING, AND ±0.02" FOR OTHERS.

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

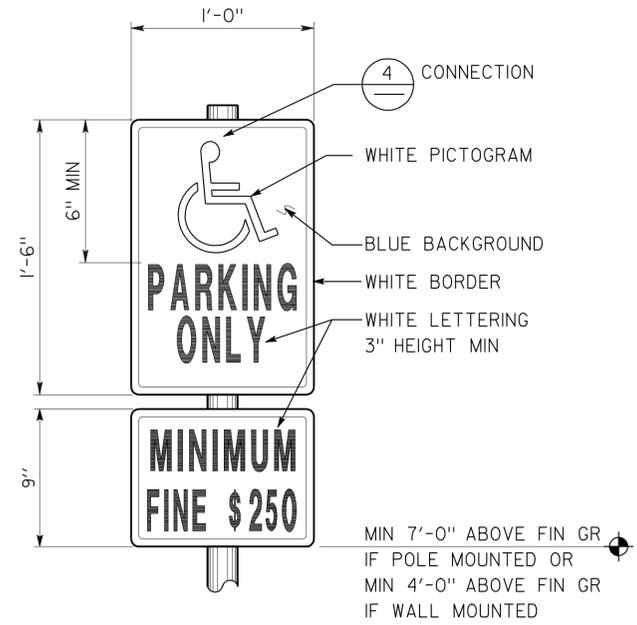
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5734		WILLOWS MAINTENANCE STATION OFFICE BUILDING		SHEET A0-3.1	
FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
TAEMWW Imperial Rev. 7/10 28-FEB-2011 06:49				0 1 2 3		3598 03000200001		07-20-10					

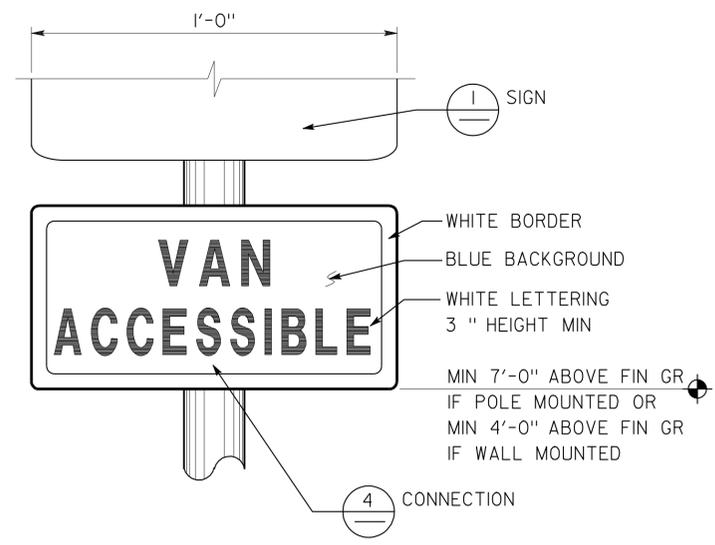
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		12	67

<i>[Signature]</i> LICENSED ARCHITECT	01-02-10 DATE	
2-22-11 PLANS APPROVAL DATE		

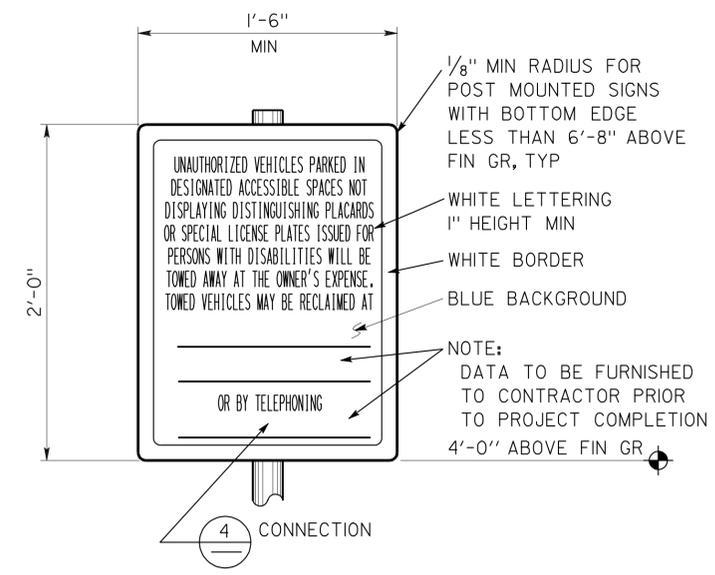
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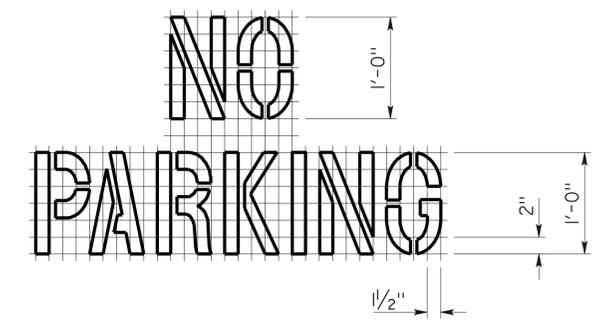
1 ACCESSIBLE PARKING SIGN
REFER TO SITE PLAN FOR LOCATIONS
COMBO SIGN MAY BE USED



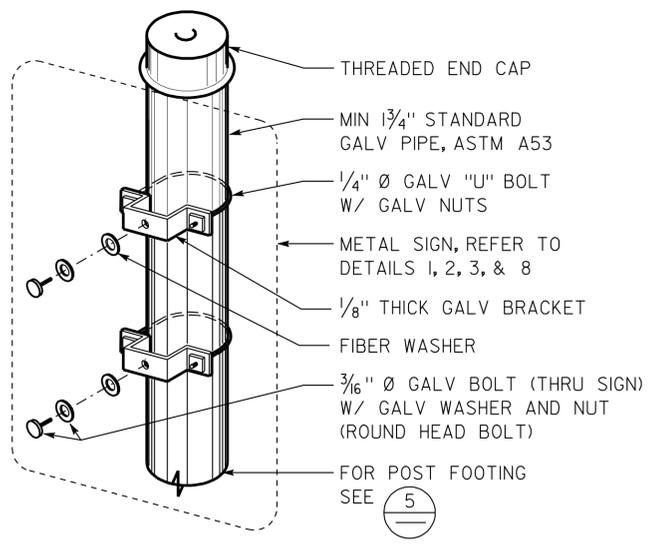
2 ACCESSIBLE VAN PARKING SIGN
REFER TO SITE PLAN FOR LOCATIONS
VAN ACCESSIBLE COMBO SIGN AND SEPARATE FINE PLAQUE MAY BE USED



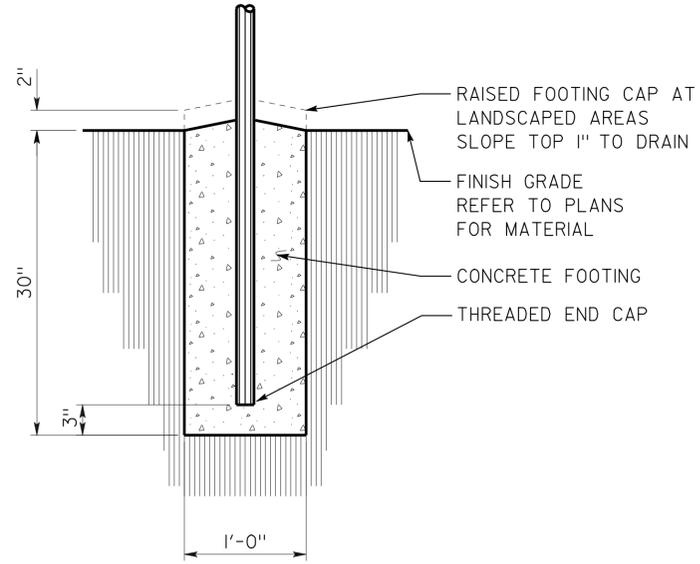
3 UNAUTHORIZED VEHICLES PARKING SIGN
REFER TO SITE PLAN FOR LOCATIONS
COLORS MAY VARY



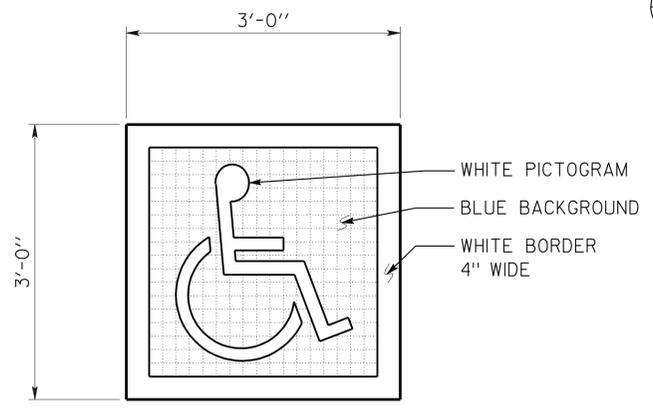
7 ACCESS AISLE PAVEMENT MARKING



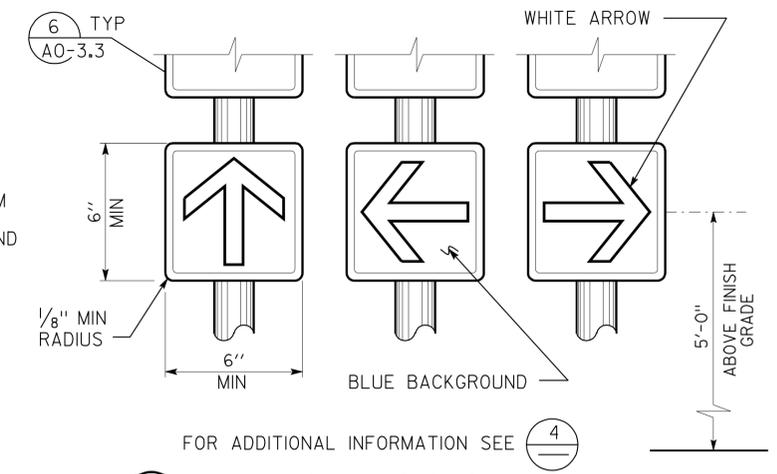
4 SIGN CONNECTION



5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION
REFER TO DETAILS 1 AND 2 ON SHEET AO-3.1 FOR LOCATIONS



8 DIRECTIONAL SIGNS
REFER TO SITE PLAN FOR LOCATIONS
WALL OR DOOR MOUNTED SIGNS MAY BE USED
COMBO SIGN MAY BE USED
COLORS MAY VARY

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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

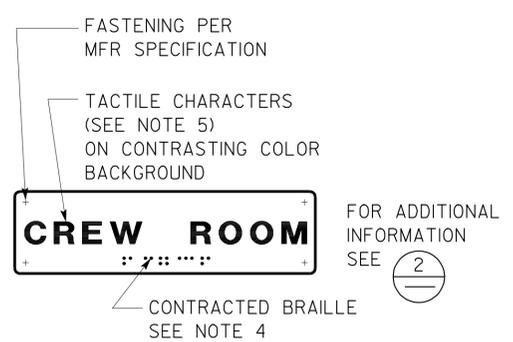
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5734		WILLOWS MAINTENANCE STATION OFFICE BUILDING		SHEET A0-3.2			
FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED <i>[Signature]</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)			
DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3598 03000200001		DISREGARD PRINTS BEARING EARLIER REVISION DATES 07-20-10		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			
TAEMWW Imperial Rev. 7/10 28-FEB-2011 06:50				EA 3E4401				07-20-10				a0_3b_1.dgn			

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		13	67

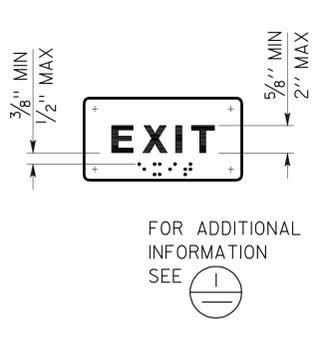
<i>Y.A. Wang</i>		01-02-10	
LICENSED ARCHITECT		DATE	

2-22-11
PLANS APPROVAL DATE

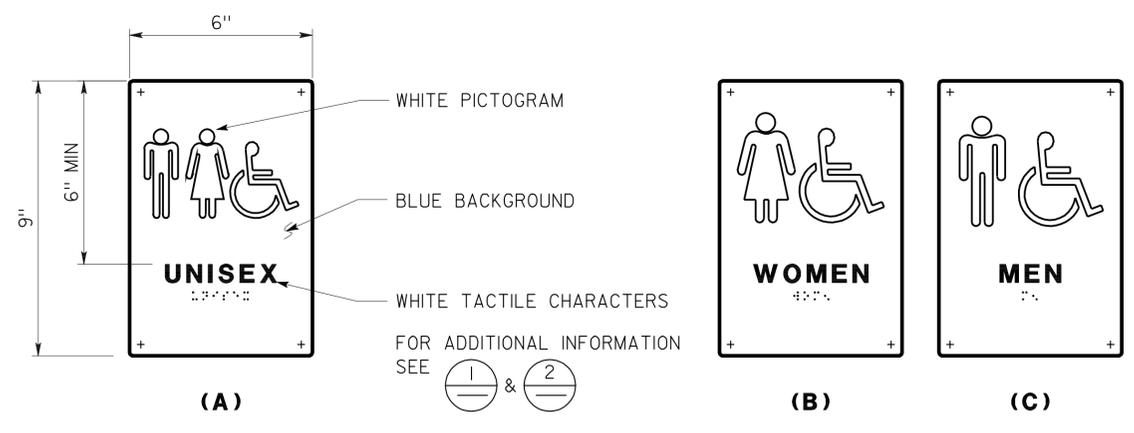
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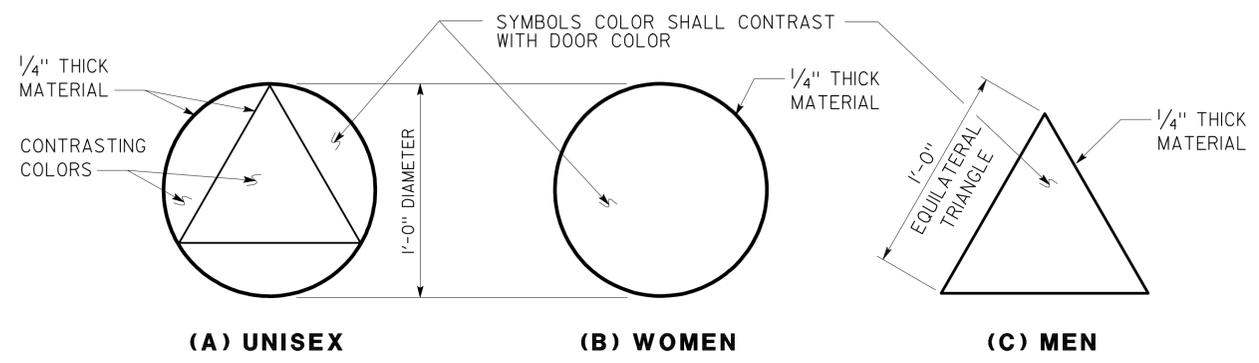
1 ROOM IDENTIFICATION SIGN
 INSTALL PER DETAIL 5
 TEXT VARIES
 SEE PLANS, EXT ELEVATIONS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



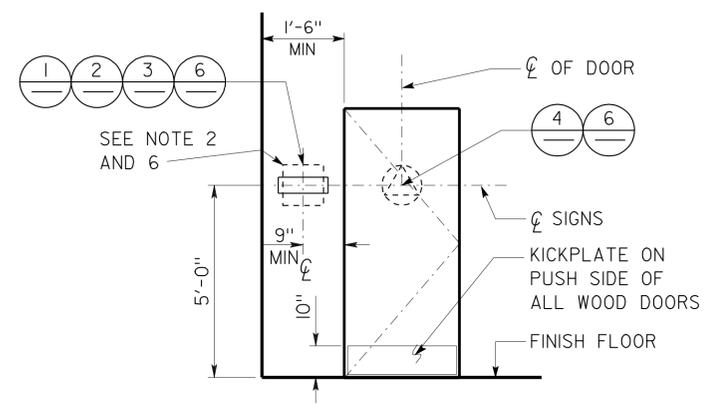
2 INTERIOR EXIT SIGN
 INSTALL PER DETAIL 5
 TEXT MAY VARY
 SEE PLANS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



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

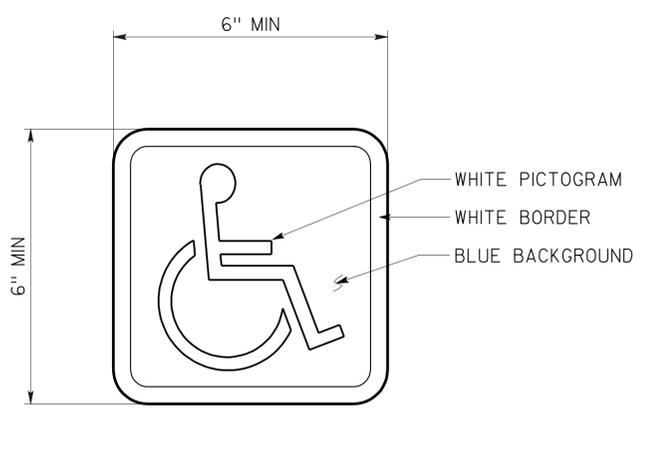


4 RESTROOM IDENTIFICATION SYMBOLS
 INSTALL PER DETAIL 5
 ANY PICTOGRAM AND TEXT ARE NOT REQUIRED

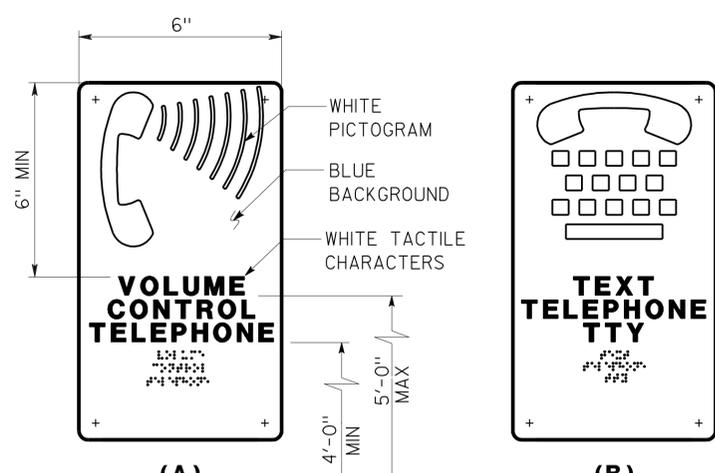


5 SIGN LOCATIONS
 REFER TO SIGNAGE NOTES FOR ADDITIONAL INFORMATION

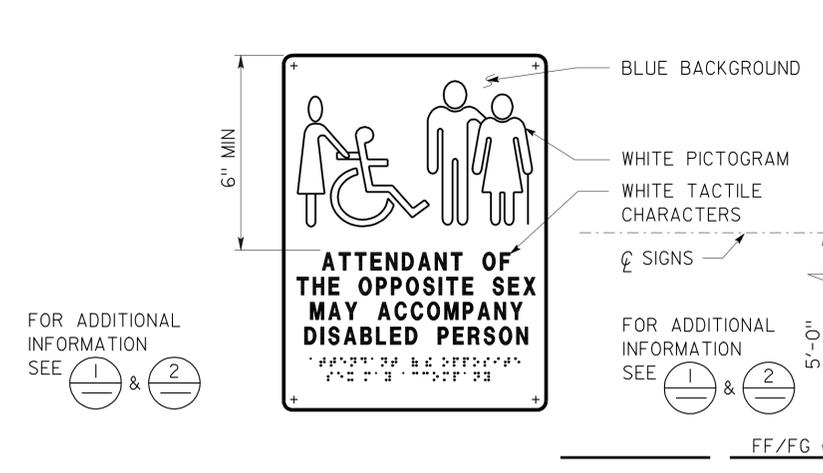
- SIGNAGE NOTES:**
- LOCATE ROOM IDENTIFICATION SIGNS, EXIT SIGNS, AND RESTROOM SIGNS ON WALL ADJACENT TO DOOR ON LATCH SIDE. IF WALL SPACE IS NOT AVAILABLE ON LATCH SIDE, LOCATE ON NEAREST ADJACENT WALL.
 - REFER TO SPECIFICATIONS FOR SIGN MATERIAL AND OTHER COLOR SELECTION. EXCEPT DETAIL 6, SIGN COLORS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



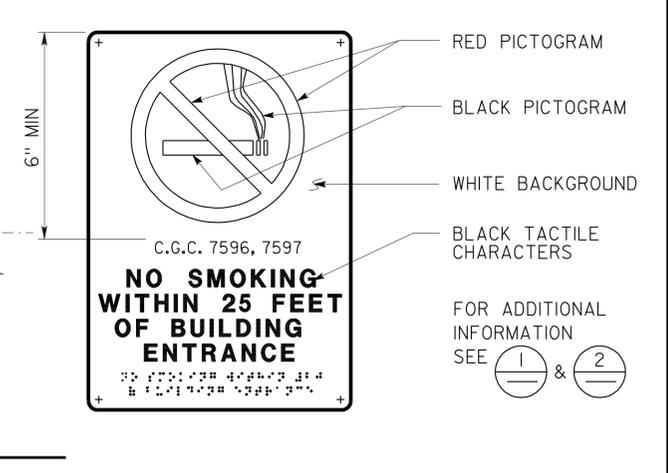
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
 INSTALL PER DETAIL 5
 SEE PLANS, EXT ELEVATIONS, OR SCHEDULE FOR SIGN LOCATIONS
 SIGN MAY BE ON DOORS OR WALLS.
 DECAL MAY BE USED ON SMOOTH SURFACE



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



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



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

DETAILS
 NO SCALE UNLESS OTHERWISE NOTED

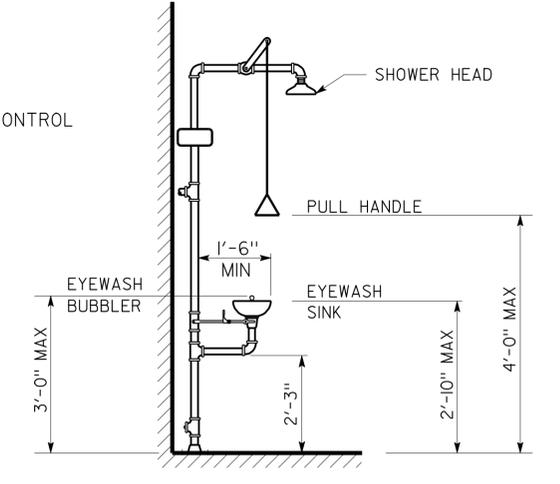
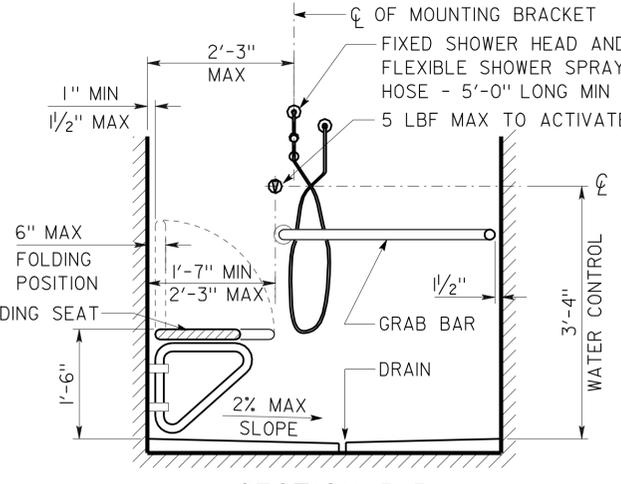
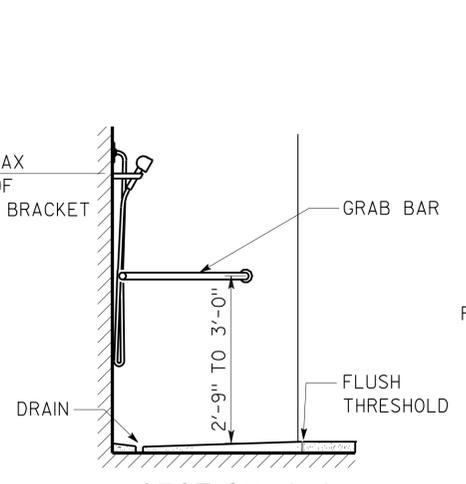
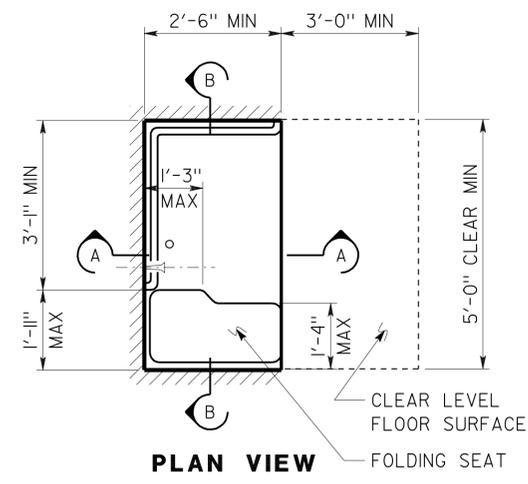
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5734		WILLOWS MAINTENANCE STATION OFFICE BUILDING		SHEET A0-3.3	
FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED <i>Y.A. Wang</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
DRAWING DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3598 03000200001		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
SUBMITTED BY Y.A. WANG				28-FEB-2011 06:50		EA 3E4401		07-20-10				a0_3c_1.dgn	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		14	67

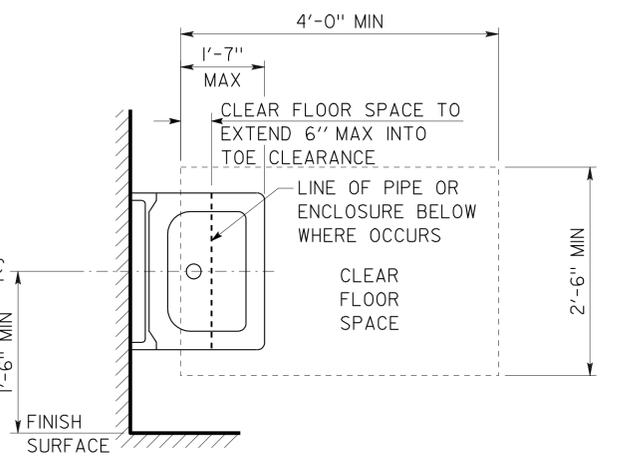
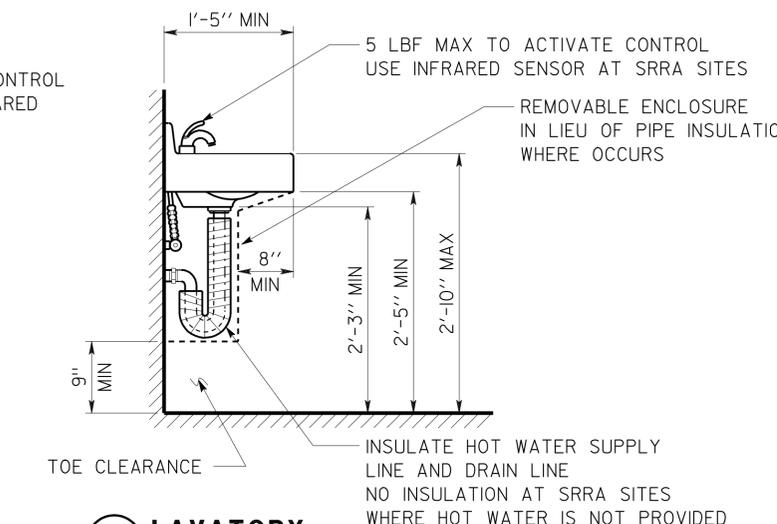
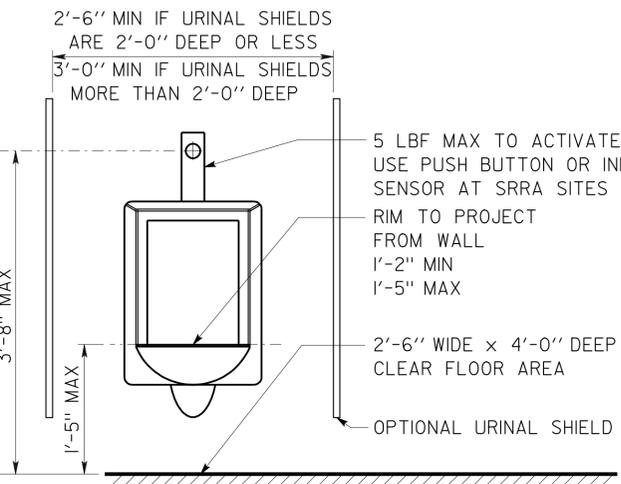
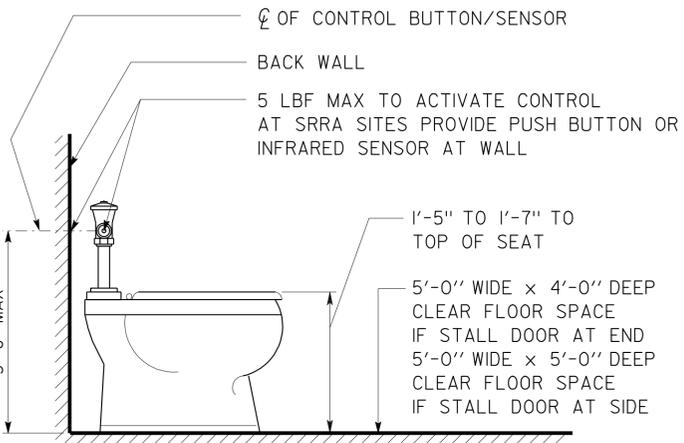
 LICENSED ARCHITECT		01-02-10 DATE
2-22-11 PLANS APPROVAL DATE		
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0300020000	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Date: 12-08-10	Reviewed by:  GARY BLUMENTHAL Approval date: 11-23-10



1 SHOWER STALL
OMIT AT SRRA SITES

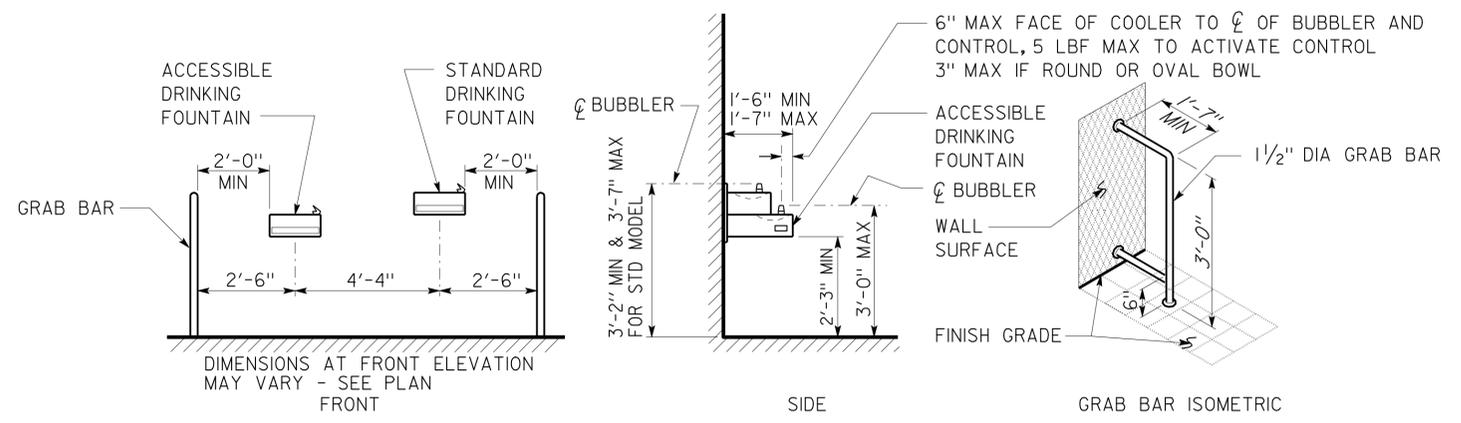
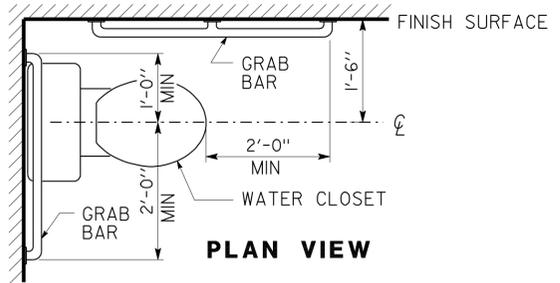
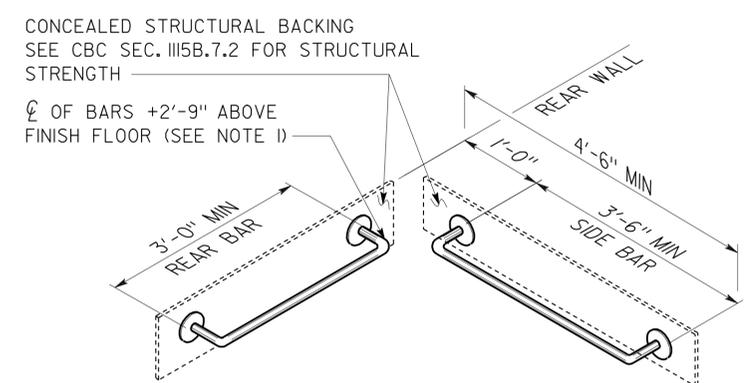
2 EMERGENCY EYEWASH/SHOWER
NO SCALE



3 WATER CLOSET
SEE SPEC FOR FIXTURE TYPE

4 URINAL

5 LAVATORY



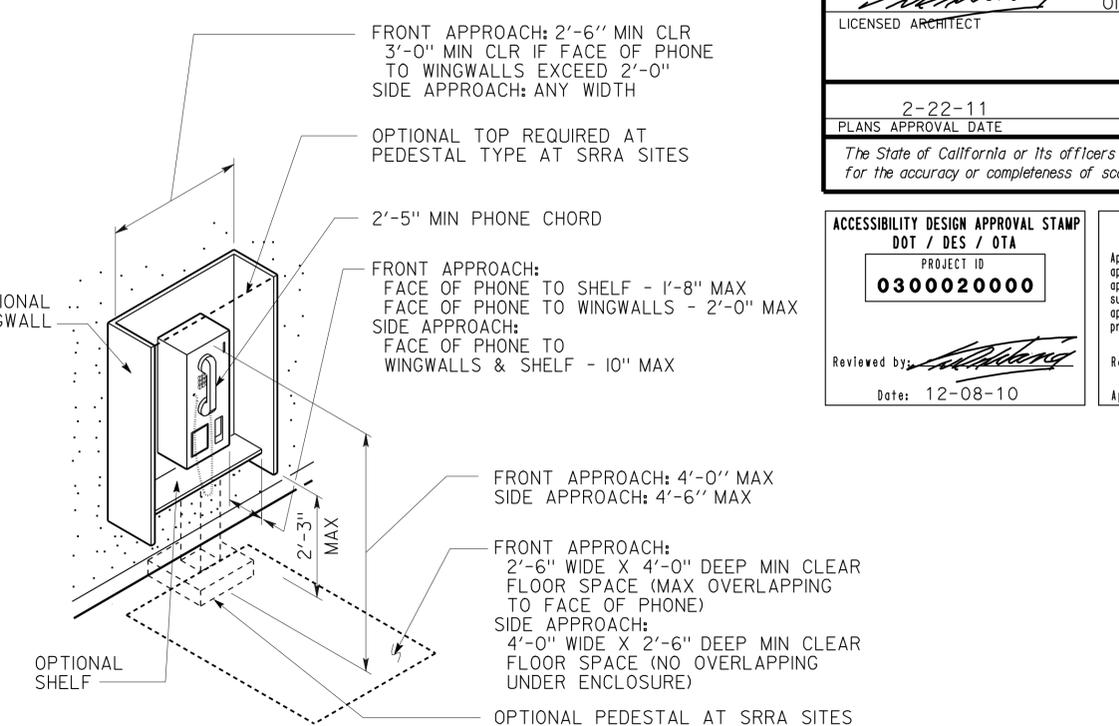
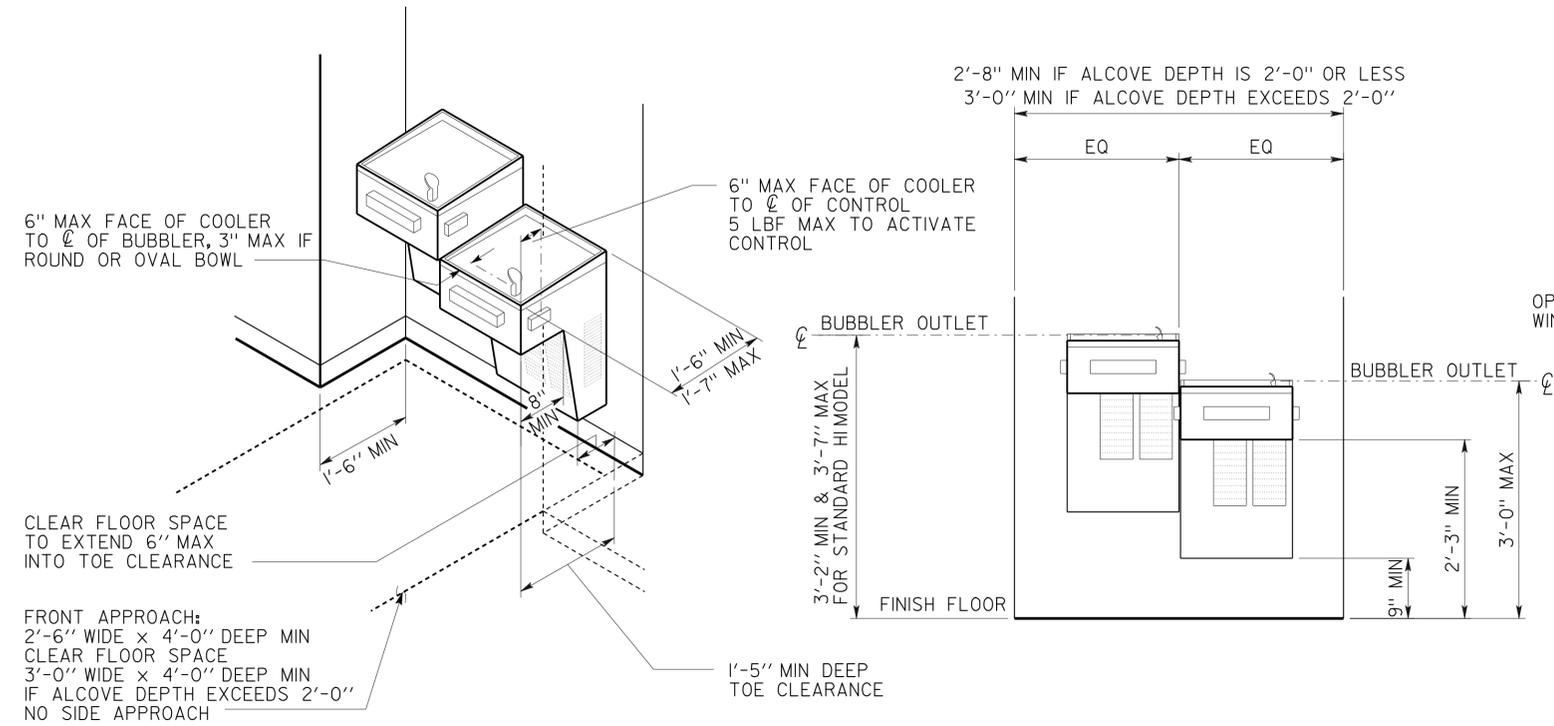
6 GRAB BARS/ WATER CLOSET

7 ELECTRIC WATER COOLER
FOR PROJECTS WITH APPROVED UNREASONABLE HARDSHIPS ONLY
FIXTURE TYPE MAY VARY

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED 	ARCHITECTURAL AND STRUCTURAL DESIGN		5734		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		A0-3.4	
DRAWING DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		POST MILE		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		SHEET OF	
SUBMITTED BY Y.A. WANG				UNIT 3598		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		07-20-10		SHEET OF	
TAEMWW Imperial Rev. 7/10 28-FEB-2011 06:50				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		PROJECT NUMBER & PHASE 03000200001		EA 3E4401		07-20-10		SHEET OF	

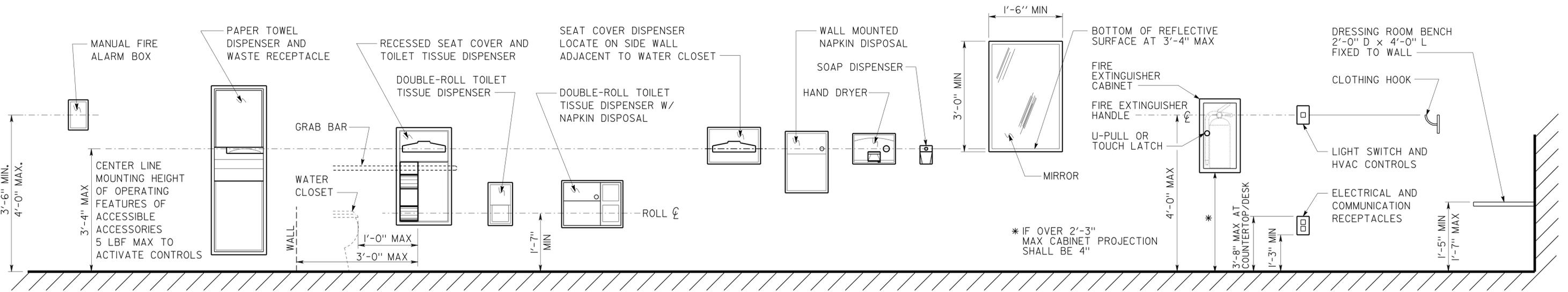


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0300020000 Reviewed by:  Date: 12-08-10	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  GARY BLUMENTHAL Approval date: 11-23-10
--	---

1 ELECTRIC WATER COOLER AT ALCOVE

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

2 TELEPHONE



3 ACCESSORIES

DETAILS
 NO SCALE UNLESS OTHERWISE NOTED

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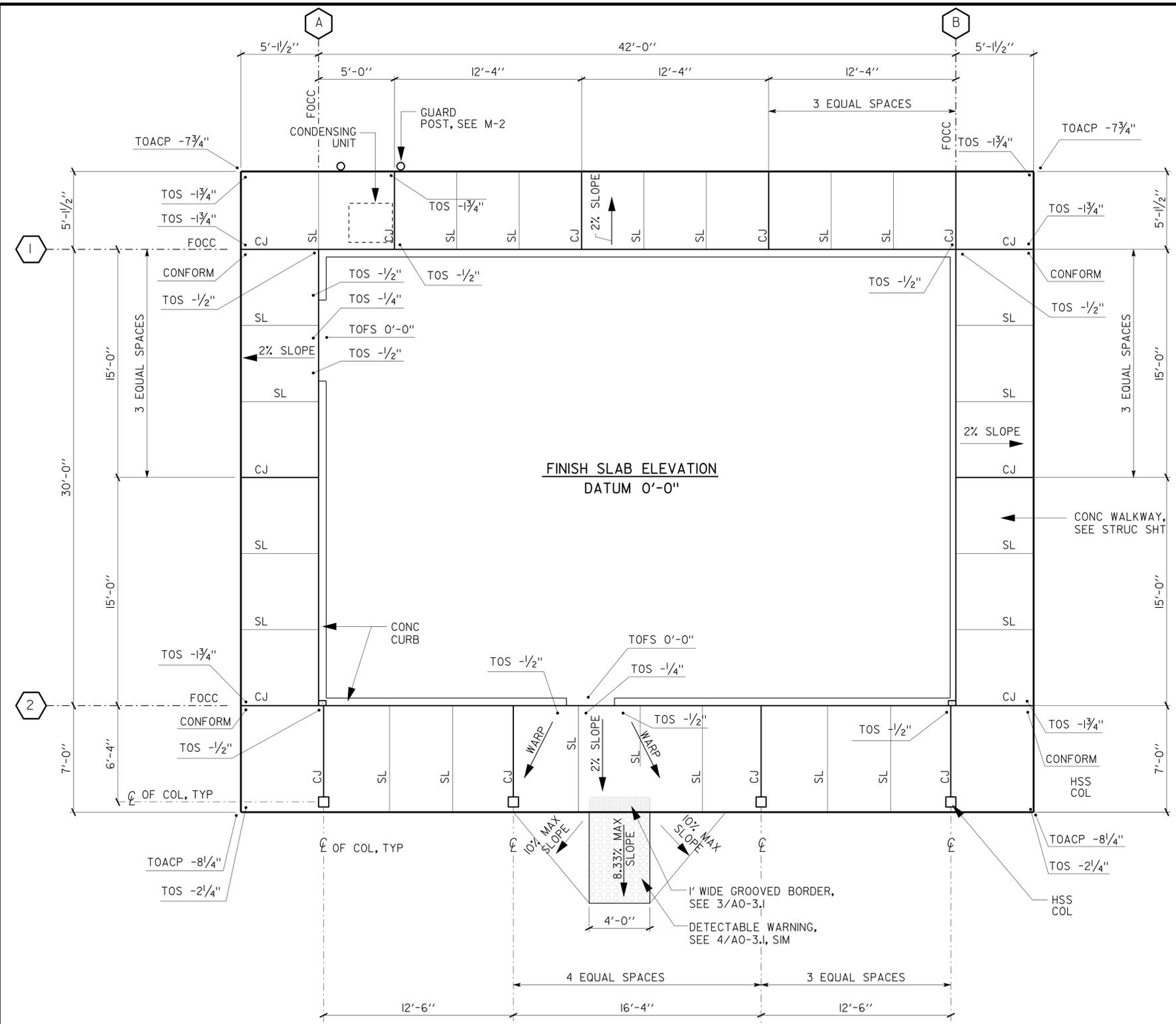
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FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 3598 03000200001		POST MILE		ACCESSIBILITY		REVISION DATES (PRELIMINARY STAGE ONLY)	
DRAWING DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3598		DISREGARD PRINTS BEARING EARLIER REVISION DATES		ACCESSIBILITY STANDARD DETAILS		SHEET OF	
SUBMITTED BY Y.A. WANG				28-FEB-2011 06:50		EA 3E4401		07-20-10				a0_3e_1.dgn	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		16	67

Ferdinando Ignacio
 LICENSED ARCHITECT
 DATE 9/14/2010
 F.D. IGNACIO
 No. C-11819
 Exp. 01-31-11
 STATE OF CALIFORNIA

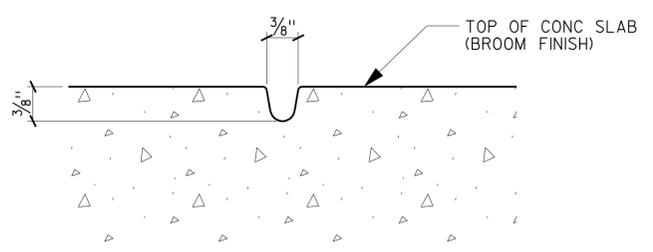
2-2-11
 PLANS APPROVAL DATE
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Reviewed by: <i>[Signature]</i> Date: 12-08-10	



ABBREVIATIONS:

- TOACP TOP OF AC PAVING
- TOFS TOP OF FLOOR SLAB
- TOS TOP OF SLAB AT WALKWAY
- FOCC FACE OF CONCRETE CURB
- SL SCORE LINE
- CJ CONTRACTION JOINT, SEE SHEET ST-2



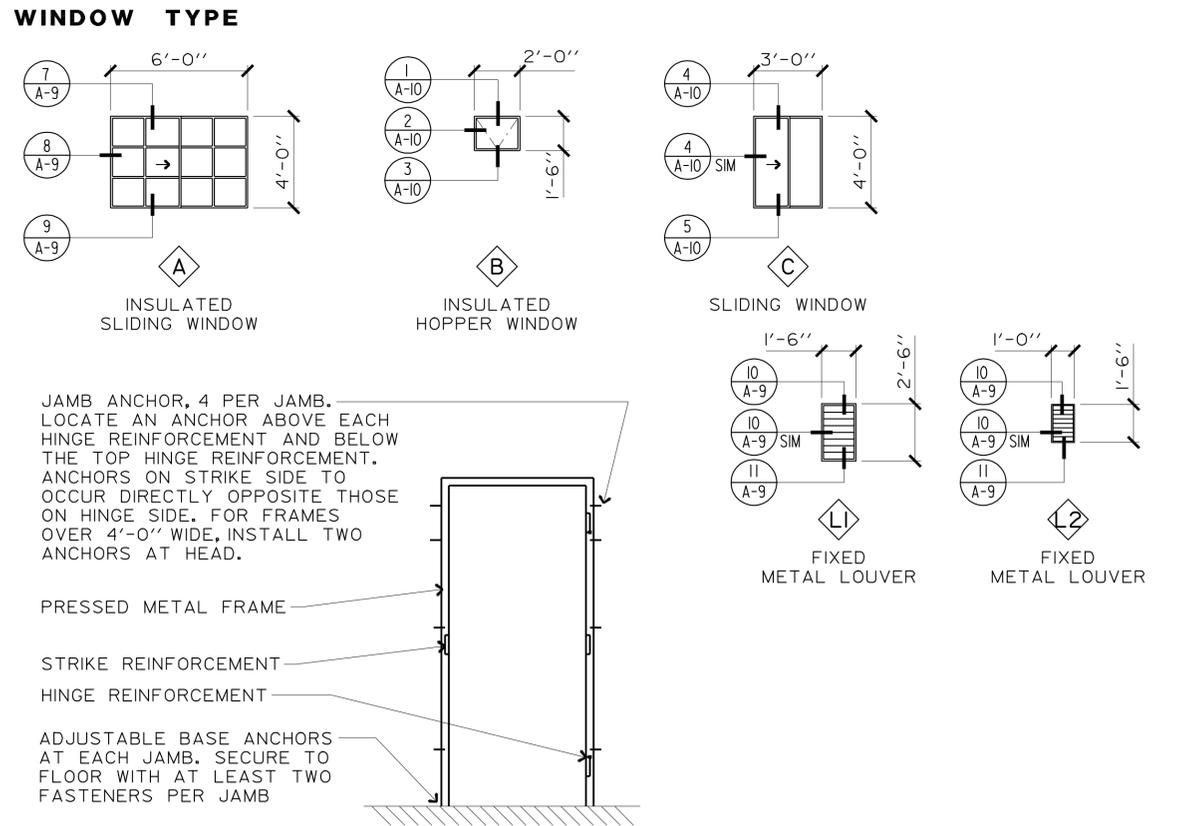
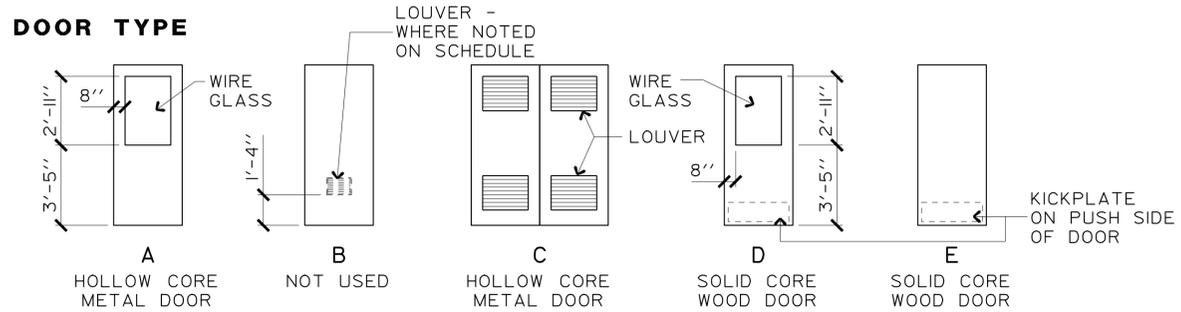
BUILDING PERIMETER GRADING

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



a0_4_grad.dgn TAEMWW Imperial Rev. 7/10 28-FEB-2011 14:40	DESIGN BY D IGNACIO CHECKED Q WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734 POST MILE	WILLOWS MAINTENANCE STATION OFFICE BUILDING BUILDING PERIMETER GRADING	SHEET OF A0-4
	DETAILS BY S YEH CHECKED Q WONG	QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 07-20-10	SHEET OF X X

DOOR SCHEDULE														
DOOR NO	DOOR TYPE	OPENING SIZE WIDTH X HEIGHT	DOOR THK	DOOR		FRAME		HDMR GROUP	LOUVER	SIGNS SHEET AO-3.3		DETAILS SHEET A-9		
				MAT	FIN	MAT	FIN			DETAIL NO	TEXT	HEAD	JAMB	THLD
1	A	3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	1	--	2 & 6	EXIT	1	2	3
2	E	3'-0" x 7'-0"	1 3/4"	WOOD	PAINT	PMF	PAINT	4	--	1	RADIO ROOM	4	5	6
3	C	2'-6'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	2	18" x 24"	1 & 6	MECH ROOM	1	2	3
4	D	3'-0" x 7'-0"	1 3/4"	WOOD	PAINT	PMF	PAINT	3	--	1	100	4	5	6
5	E	3'-0" x 7'-0"	1 3/4"	WOOD	PAINT	PMF	PAINT	4	--	1	105	4	5	6
6	E	3'-0" x 7'-0"	1 3/4"	WOOD	PAINT	PMF	PAINT	5	--	3B/4B	WOMEN	4	5	6
7	E	3'-0" x 7'-0"	1 3/4"	WOOD	PAINT	PMF	PAINT	5	--	3C/4C	MEN	4	5	6
8	E	3'-0" x 7'-0"	1 3/4"	WOOD	PAINT	PMF	PAINT	5	--	3A/4A	SHOWER	4	5	6



1 FRAME ANCHORS
NO SCALE

FINISH SCHEDULE													
FINISHES	FLOOR	BASE	WALLS				WSCT	CLG	HEIGHT	REMARKS			
			NORTH	EAST	SOUTH	WEST							
A. NO JOB FINISH	CONCRETE	VINYL COMPOSITION TILE	RESILIENT BASE	1/2" GYPSUM BD	1/2" GLASS-MAT FACED BD	1/2" GYPSUM BD	5/8" GYPSUM BD						
B. PAINT		CERAMIC TILE	CERAMIC TILE BASE	1/2" GYPSUM BD	1/2" GLASS-MAT FACED BD	1/2" GYPSUM BD	5/8" GYPSUM BD						
C. CLEAN AND WAX				1/2" GYPSUM BD	1/2" GLASS-MAT FACED BD	1/2" GYPSUM BD	5/8" GYPSUM BD						
D. CLEAN AND POLISH				1/2" GYPSUM BD	1/2" GLASS-MAT FACED BD	1/2" GYPSUM BD	5/8" GYPSUM BD						
ROOM NUMBER/ NAME													
OFFICE/ CREW ROOM													
100 OFFICE		C	A	B		B		B		B		B	9'-0"
101 CREW/ LOCKER ROOM		C	A	B		B		B		B		B	9'-0"
102A JANITOR		D	D	B		B		B		B	A	B	8'-0"
102B SHOWER		D	D	A	A	B		B		B		B	8'-0"
103 MEN		D	D	A	A	A	A	A	A	A		B	8'-0"
104 WOMEN		D	D	A	A	A	A	A	A	A		B	8'-0"
105 LOCKER ROOM		C	A	B		B		B		B		B	9'-0"
106 HVAC/ ELEC		A	A	B		B		B		B		B	9'-0"
107 RADIO ROOM		C	A	B		B		B		B		B	9'-0"

COLOR SCHEDULE

MANUFACTURERS' DESIGNATIONS BELOW ARE INCLUDED AS EXAMPLES OF COLOR AND FINISH ONLY. OTHER MANUFACTURERS' PRODUCTS WHICH MATCH THESE PRODUCTS MAY BE SUBMITTED FOR APPROVAL.

- | | |
|---|---|
| <p>INTERIOR</p> <ol style="list-style-type: none"> Vinyl Composition Tile
Azrock, #V-858, Pewter Gray Resilient Base
Burke, #506, Tahoe Ceramic Tile Floor and Base
Daltile, #D208, Suede Gray Speckle Grout
Mapei, #19, Pearl Gray Fiberglass Reinforced Plastic Panels
Crane, Varietex, #1130, Cotton White, Sandstone Texture Gypsum Board Walls
Kelly-Moore, #KM380I-1, Snippet of Blue Gypsum Board Ceilings
Kelly-Moore, #KM3785-1, Drizzle Wood & Hollow Metal Doors
Kelly-Moore, #KM3166-2, Breezy Indigo Pressed Metal Frames
Kelly-Moore, #KM3166-2, Breezy Indigo Aluminum Window Frames
Match Metal Roofing Window Sills and Trim
Kelly-Moore, #KM380I-1, Snippet of Blue Not Used Plastic Laminate Cabinets
Formica, #464, Graystone Plastic Laminate Countertop
Formica, #912, Storm | <p>INTERIOR</p> <ol style="list-style-type: none"> Metal Lockers
To Be Selected From Mfr Std Colors Plumbing Fixtures
White Horizontal Blinds
Levolor, #00820, Squirrel Gray Metal Louvers
Bronze Anodized Mechanical Ducts, Exposed Conduit, Piping
Match Adjacent Wall/ Ceiling Color <p>EXTERIOR</p> <ol style="list-style-type: none"> Prefinished Metal Roofing
MetalSales, W25, Old Town Grey Prefinished Metal Soffit
MetalSales, W74, Parchment Prefinished Metal Siding
MetalSales, W74, Parchment Doors & Pressed Metal Door Frames
Kelly-Moore, #OW235-1, Wishbone Aluminum Window Frames
Match Metal Roofing Metal Flashing, Fascia, Trim @ Roof
Match Metal Roofing Metal Louvers
Bronze Anodized Exposed Steel Columns & Headers @ Entry
Kelly-Moore, #OW235-1, Wishbone |
|---|---|

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Ferdinando Ignacio
LICENSED ARCHITECT
DATE 9/14/2010

2-22-11
PLANS APPROVAL DATE

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LICENSED ARCHITECT
F.D. IGNACIO
No. C-11819
Exp. 01-31-11
STATE OF CALIFORNIA

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
0300020000

Reviewed by: *[Signature]*
Date: 12-08-10

CALIFORNIA STATE FIRE MARSHAL APPROVED

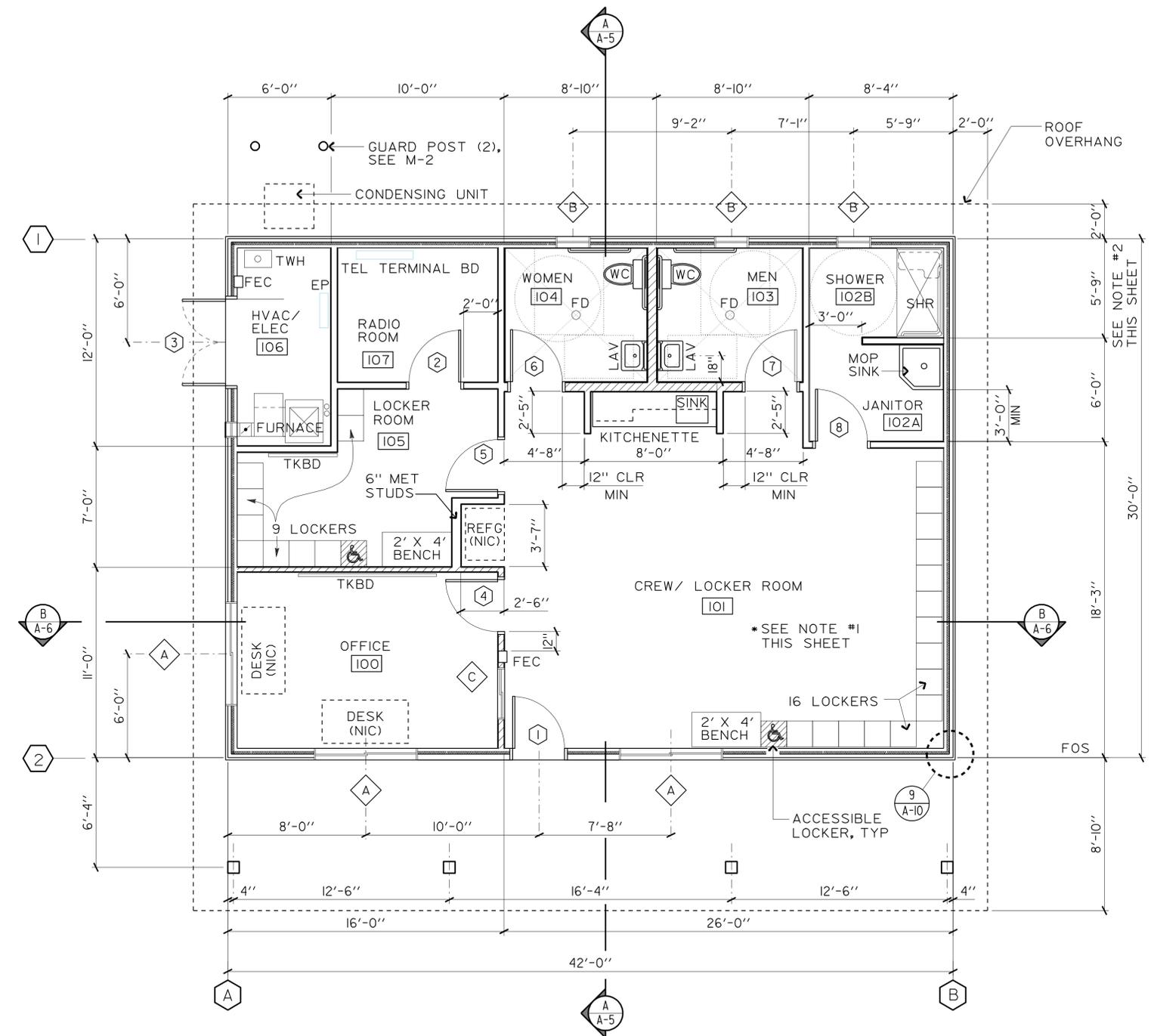
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Reviewed by: *[Signature]*
GARY BLUMENTHAL
Approval date: 11-23-10

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- NOTES:
- NO DRESSING FUNCTION IN CREW/ LOCKER ROOM.
 - VERIFY WALL ROUGH-IN DIMENSION WITH SHOWER MANUFACTURER.
 - SEE STRUC FOR WALL STUD, TRACK, AND BLOCKING SIZES AND SHAPES.

- WALL LEGEND
- METAL SIDING OVER RIGID INSULATION OVER PLYWOOD SHEATHING OVER METAL STUD AND BLOCKING - EXTERIOR WALL
 - BATT INSULATION OVER PLYWOOD SHEATHING
 - 6" METAL STUDS W/ ACOUSTICAL INSULATION - INTERIOR PLUMBING WALL
 - 4" METAL STUDS W/ ACOUSTICAL INSULATION - INTERIOR PARTITION WALL
 - 4" METAL STUDS - INTERIOR PARTITION WALL

FLOOR PLAN

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

NOTE: BLDG WALKWAY NOT SHOWN FOR CLARITY, SEE SHT AO-4

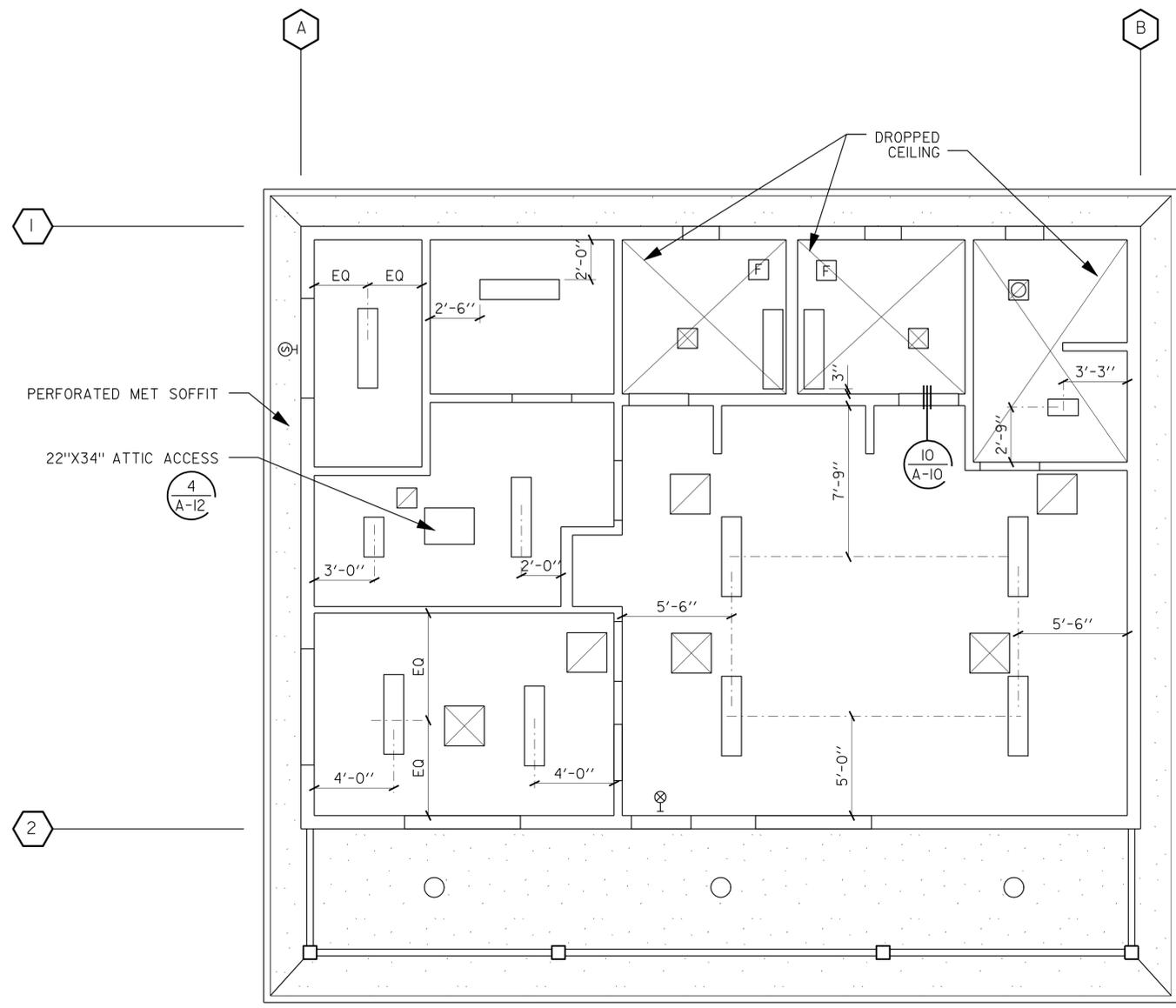


a_01_flrpin.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY D IGNACIO	CHECKED Q WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING FLOOR PLAN	SHEET A-1
	DETAILS BY S YEH	CHECKED Q WONG			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
28-FEB-2011 14:40	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 03000200001 EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	07-20-10	28-FEB-2011 14:40

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		19	67

F.D. IGNACIO
 LICENSED ARCHITECT
 DATE 9/14/2010
 No. C-11819
 Exp. 01-31-11
 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0300020000	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>[Signature]</i> Date: 12-08-10	Reviewed by: <i>[Signature]</i> GARY BLUMENTHAL Approval date: 11-23-10

CEILING PLAN LEGEND

- SURFACE MOUNTED FLUORESCENT FIXTURE, SEE ELEC SHT
- CEILING MOUNTED LIGHT FIXTURE, SEE ELEC SHT
- CEILING MOUNTED SELF-LUMINOUS EXIT SIGN
- AIR SUPPLY REGISTER - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- AIR RETURN REGISTER - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- EXHAUST FAN - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- HEAT/LIGHT/VENT COMBO - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- WALL MOUNTED LIGHT FIXTURE - REFER TO ELEC DWGS FOR ADDITIONAL INFORMATION

REFLECTED CEILING PLAN

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



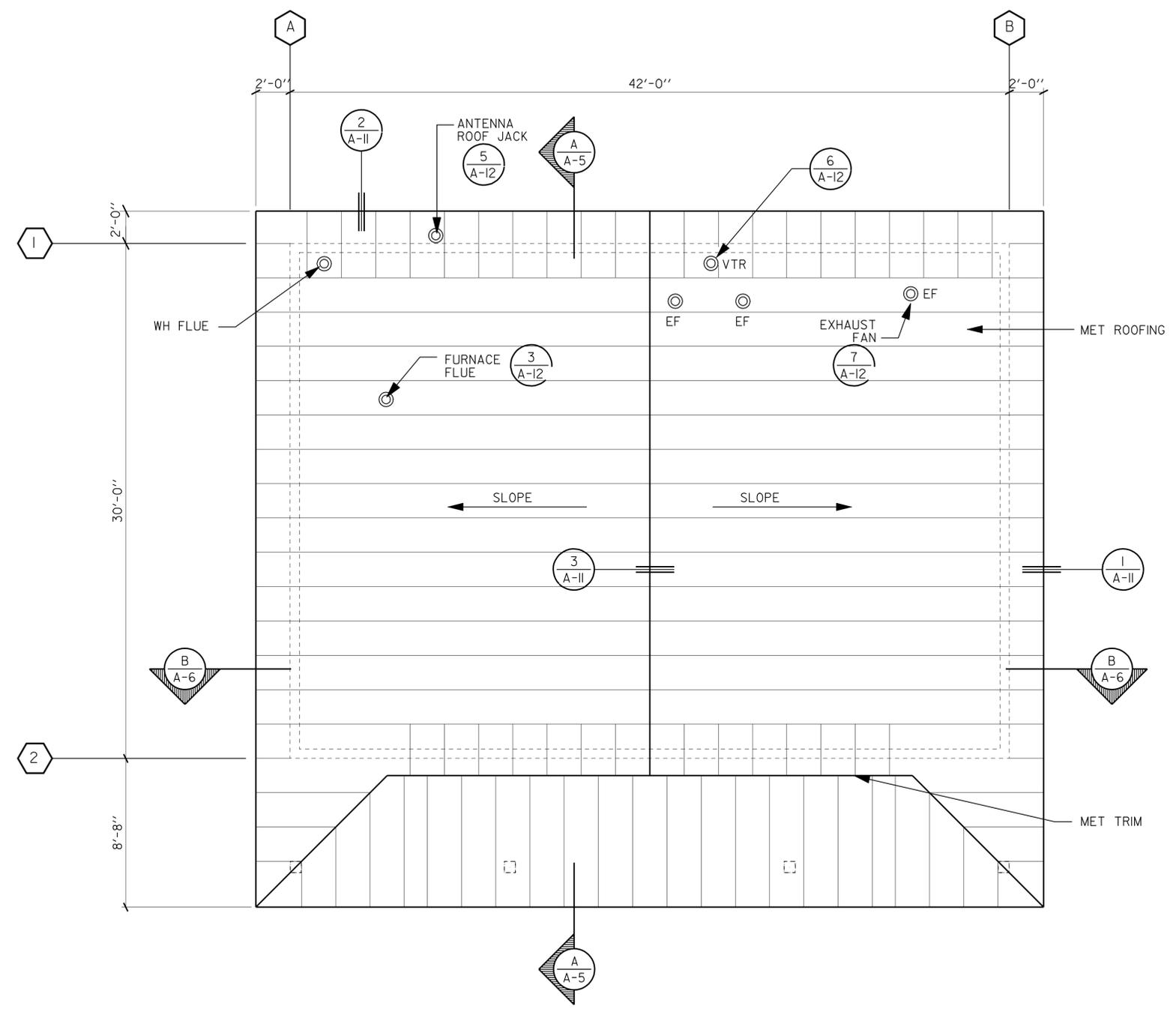
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	DETAILS BY S YEH CHECKED Q WONG		QUANTITIES BY CHECKED	PROJECT NUMBER & PHASE 03000200001		DISREGARD PRINTS BEARING EARLIER REVISION DATES → 07-20-10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3598
 EA 3E4401

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		20	67

F.D. IGNACIO
 LICENSED ARCHITECT
 DATE 9/14/2010
 No. C-11819
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2-22-11
 PLANS APPROVAL DATE
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ROOF PLAN

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

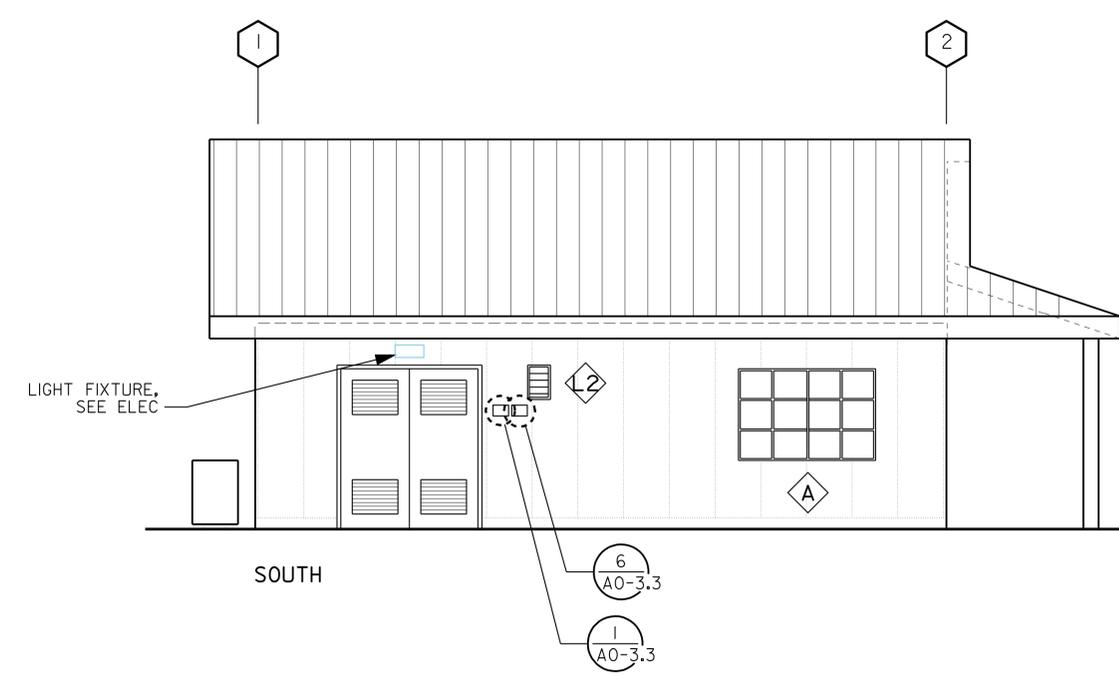
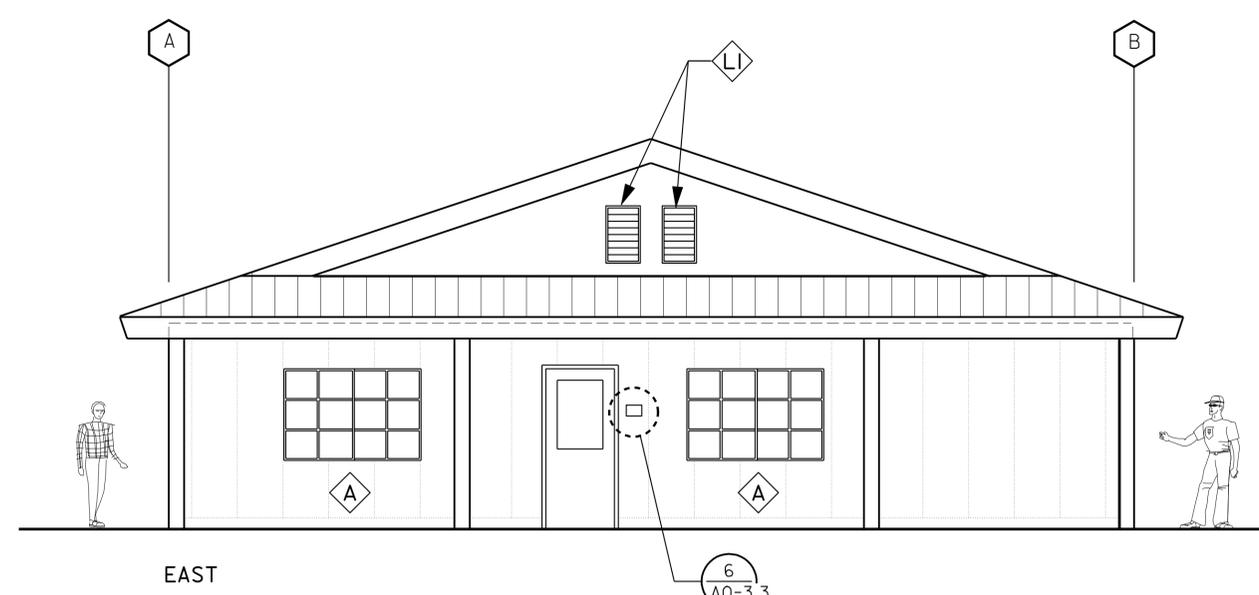
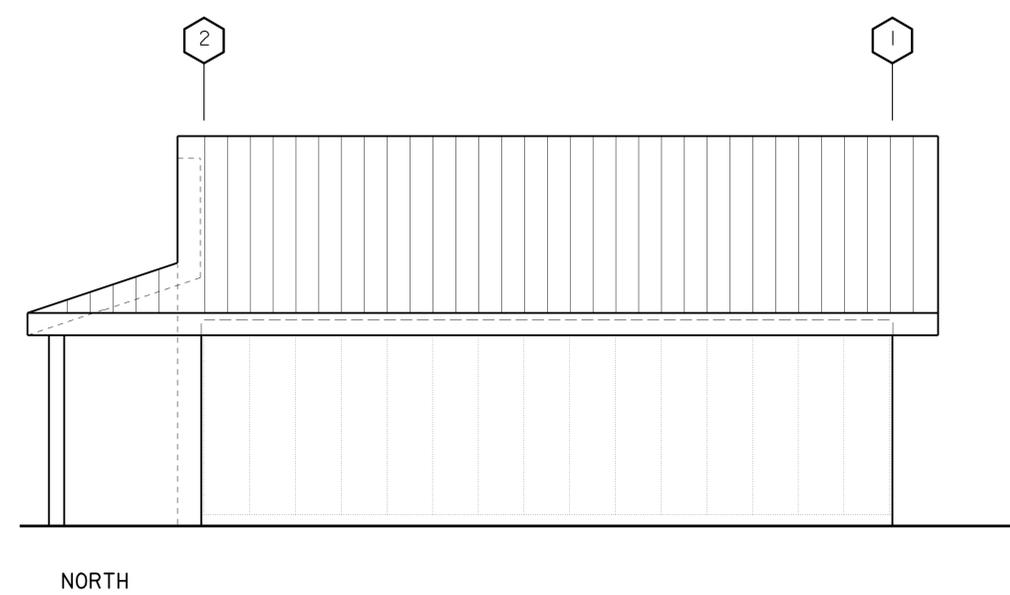
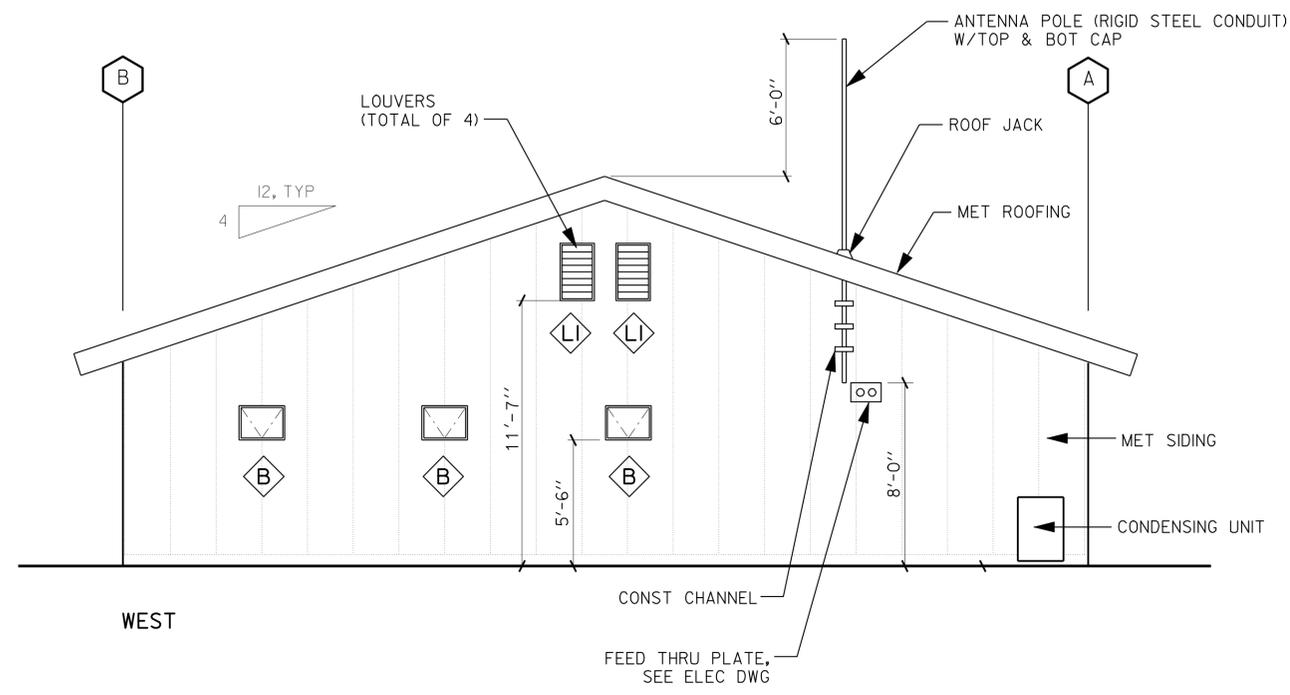


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0300020000	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> GARY BLUMENTHAL Approval date: 11-23-10
Reviewed by: <i>[Signature]</i> Date: 12-08-10	

a_03_rfp1n.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY D IGNACIO	CHECKED Q WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING ROOF PLAN	SHEET A-3
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28-FEB-2011 10:57

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		21	67
 LICENSED ARCHITECT			9/14/2010 DATE		
2-22-11 PLANS APPROVAL DATE					
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EXTERIOR ELEVATIONS

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

DESIGN	BY D IGNACIO	CHECKED Q WONG
DETAILS	BY S YEH	CHECKED Q WONG
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5734
POST MILE	

WILLOWS MAINTENANCE STATION OFFICE BUILDING

EXTERIOR ELEVATIONS

SHEET **A-4**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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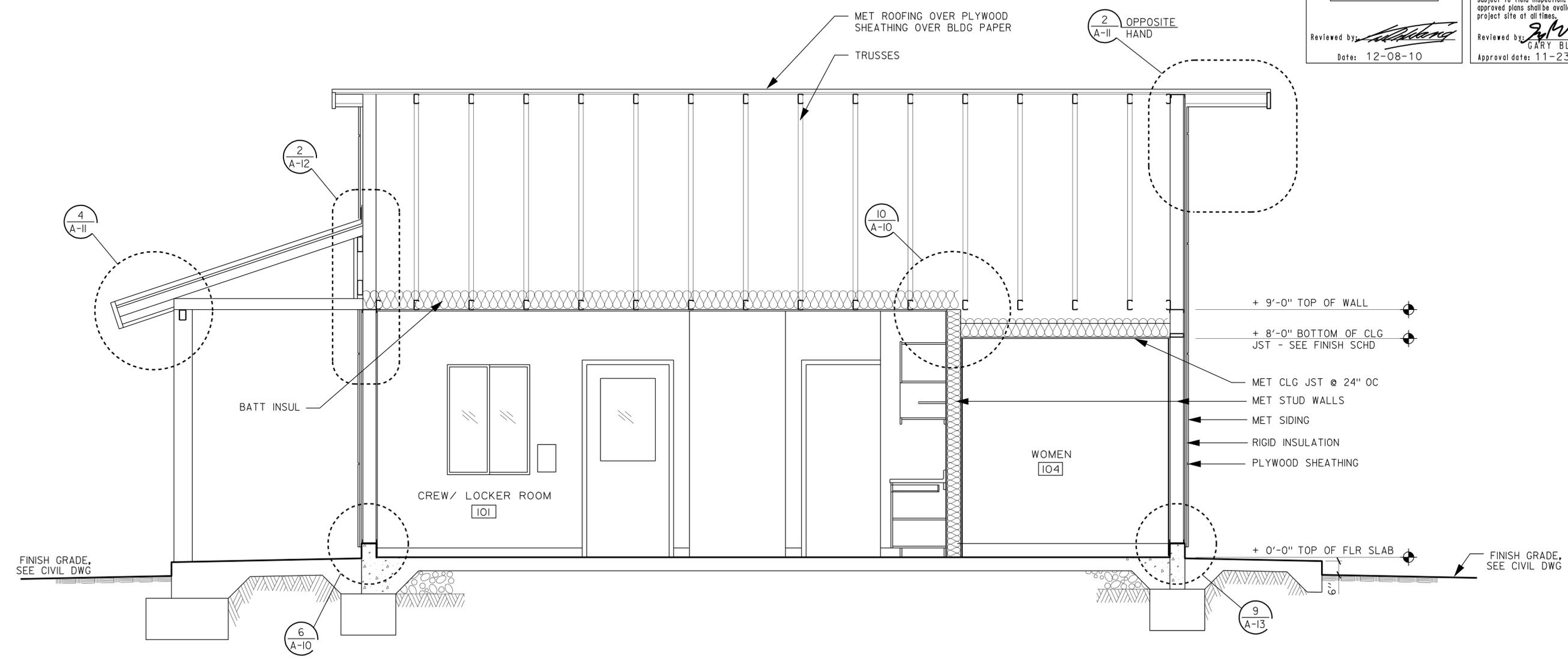
F.D. IGNACIO
 LICENSED ARCHITECT
 No. C-11819
 Exp. 01-31-11
 STATE OF CALIFORNIA

9/14/2010
 DATE

2-22-11
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0300020000 Reviewed by: <i>[Signature]</i> Date: 12-08-10	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> GARY BLUMENTHAL Approval date: 11-23-10
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A BUILDING SECTION
 SCALE 1/2" = 1'-0"

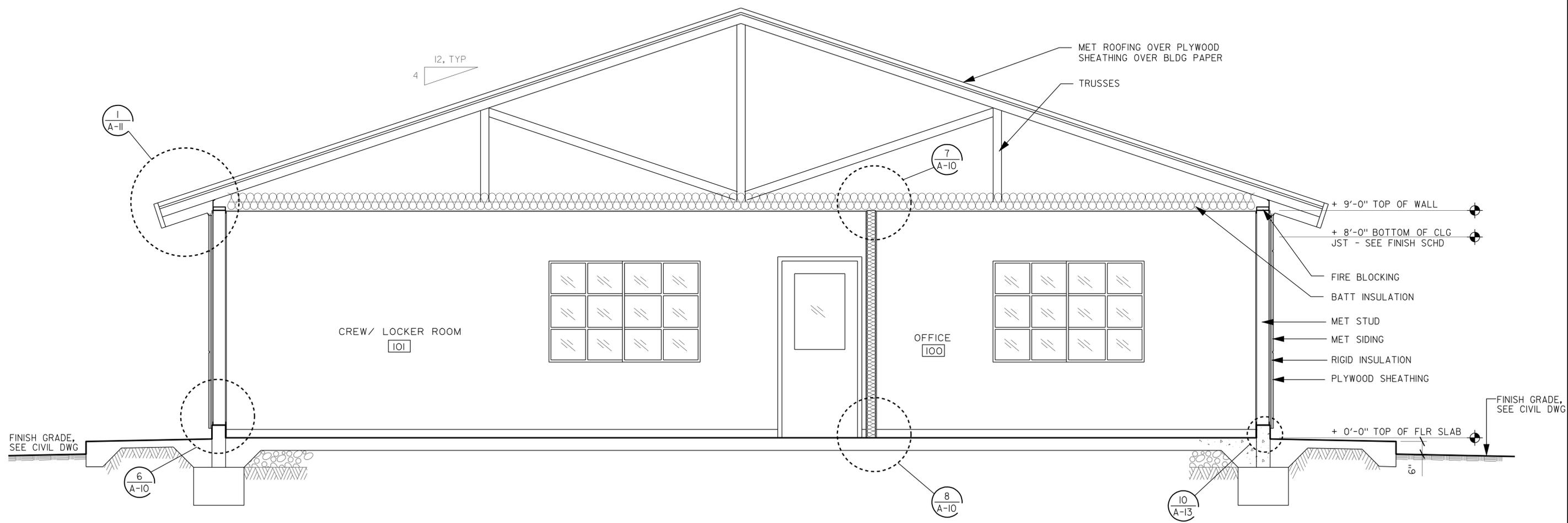
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	DETAILS BY S YEH CHECKED Q WONG			POST MILE		
QUANTITIES BY CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 03000200001 EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	a_05_secA.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		23	67

<i>Ferdinando Ignacio</i> LICENSED ARCHITECT	9/14/2010 DATE	
2-22-11 PLANS APPROVAL DATE		

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Reviewed by: <i>[Signature]</i> Date: 12-08-10	Reviewed by: <i>[Signature]</i> GARY BLUMENTHAL Approval date: 11-23-10



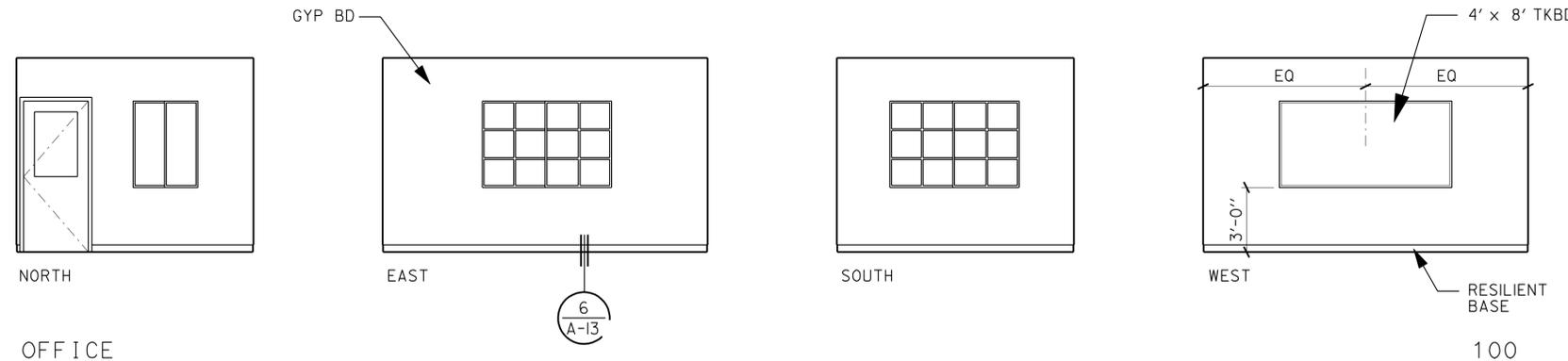
B BUILDING SECTION
 SCALE 1/2" = 1'-0"

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	DETAILS BY S YEH CHECKED Q WONG			POST MILE		
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25-FEB-2011 09:52

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		24	67

9/14/2010 DATE
 F.D. IGNACIO
 LICENSED ARCHITECT No. C-11819 Exp. 01-31-11
 STATE OF CALIFORNIA
 2-22-11
 PLANS APPROVAL DATE
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KEY NOTES

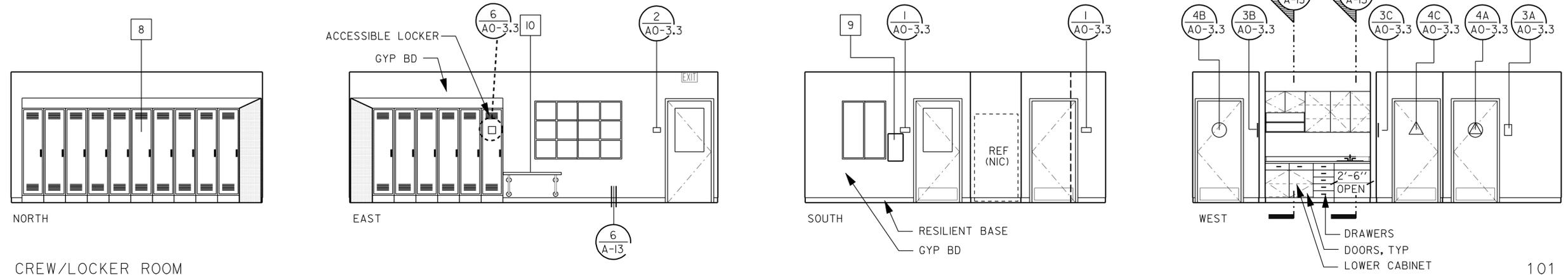
- 1 SHOWER (1/AO-3.4)
- 2 FOLDING SEAT
- 3 GRAB BAR
- 4 CLOTHES HOOK (3/AO-3.5)
- 5 PRIVACY CURTAIN
- 6 18" X 36" MIRROR (3/AO-3.5)
- 7 MOP SINK
- 8 METAL LOCKERS
- 9 FIRE EXTINGUISHER CABINET (3/AO-3.5) (8/A-13)
- 10 2' X 4' BENCH

OFFICE

100

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
0300020000
 Reviewed by: [Signature]
 Date: 12-08-10

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: [Signature]
 GARY BLUMENTHAL
 Approval date: 11-23-10

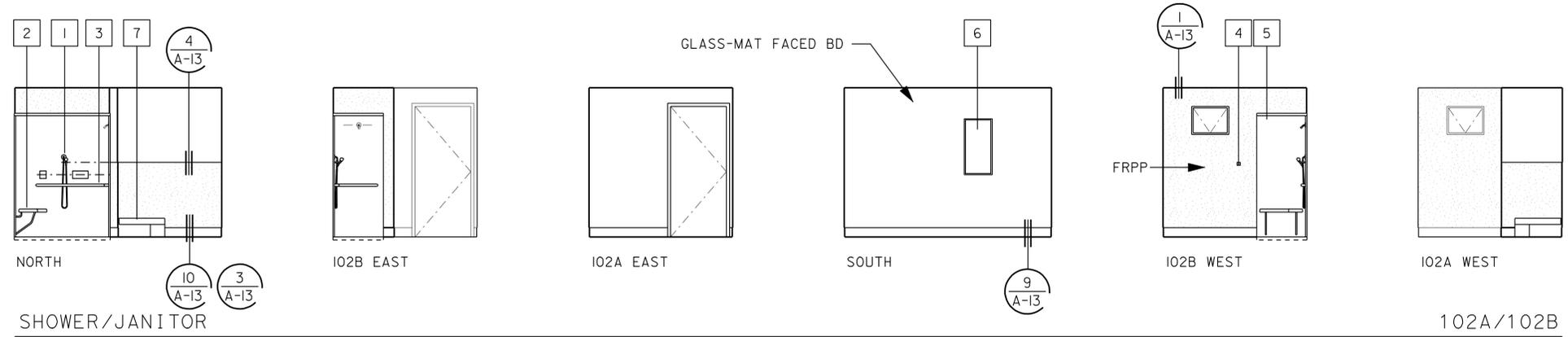


CREW/LOCKER ROOM

101

ACCESSIBILITY NOTES:

- 1. FOR ADDITIONAL NOTES AND DIMENSIONS, SEE SHEETS AO-3.4, AO-3.5, A-1
- 2. FOR ACCESSORY HEIGHTS NOT SHOWN ON INTERIOR ELEVATIONS, SEE DETAIL 3/AO-3.5
- 3. DETAILS SHOWN IN KEY NOTES APPLY TO ACCESSIBLE FIXTURES ONLY
- 4. DETAILS ON SHEETS AO-3.4 AND AO-3.5 ARE GENERIC. FOR ACTUAL FIXTURE STYLE AND PLUMBING SEE SPECIAL PROVISIONS AND PROJECT SPECIFIC PLANS



SHOWER/JANITOR

102A/102B

INTERIOR ELEVATIONS

SCALE 1/4" = 1'-0"

DESIGN	BY D IGNACIO	CHECKED Q WONG
DETAILS	BY S YEH	CHECKED Q WONG
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5734
 POST MILE

WILLOWS MAINTENANCE STATION OFFICE BUILDING
 INTERIOR ELEVATIONS

SHEET A-7

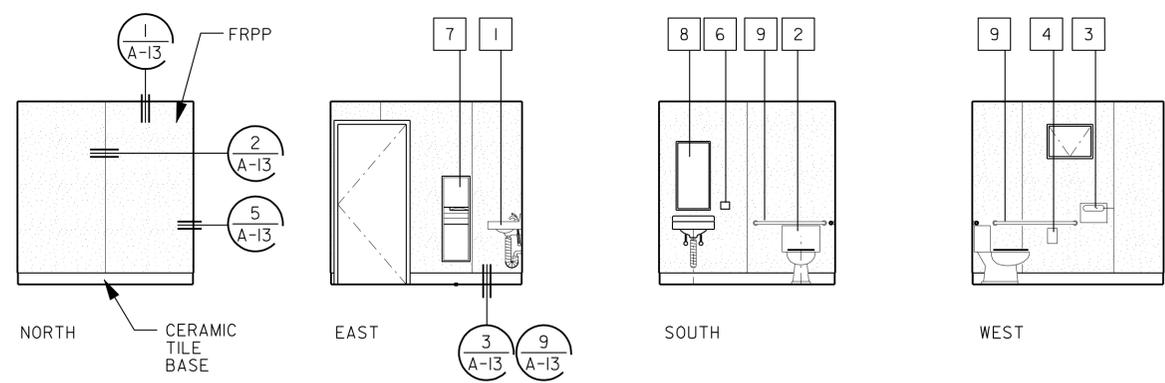
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		25	67

Ferdinando Ignacio
 LICENSED ARCHITECT DATE 9/14/2010

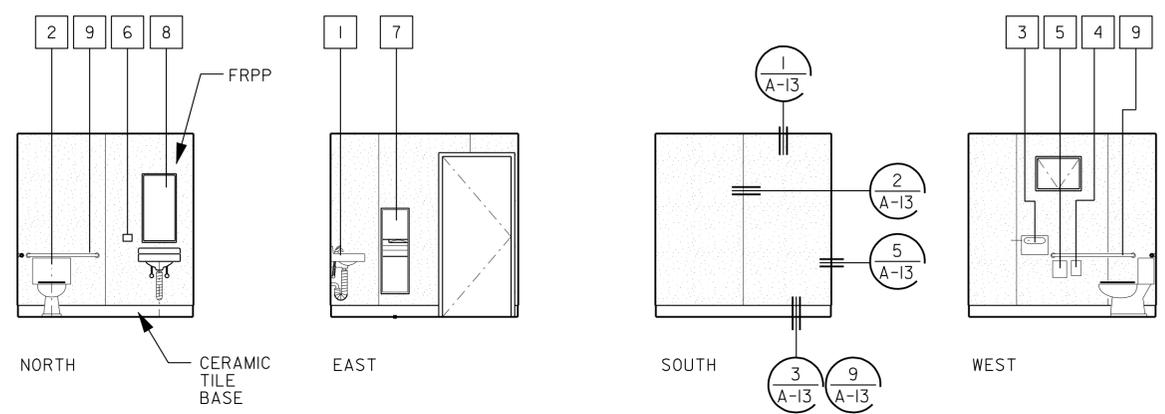
LICENSED ARCHITECT
 F.D. IGNACIO
 No. C-11819
 Exp. 01-31-11
 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE

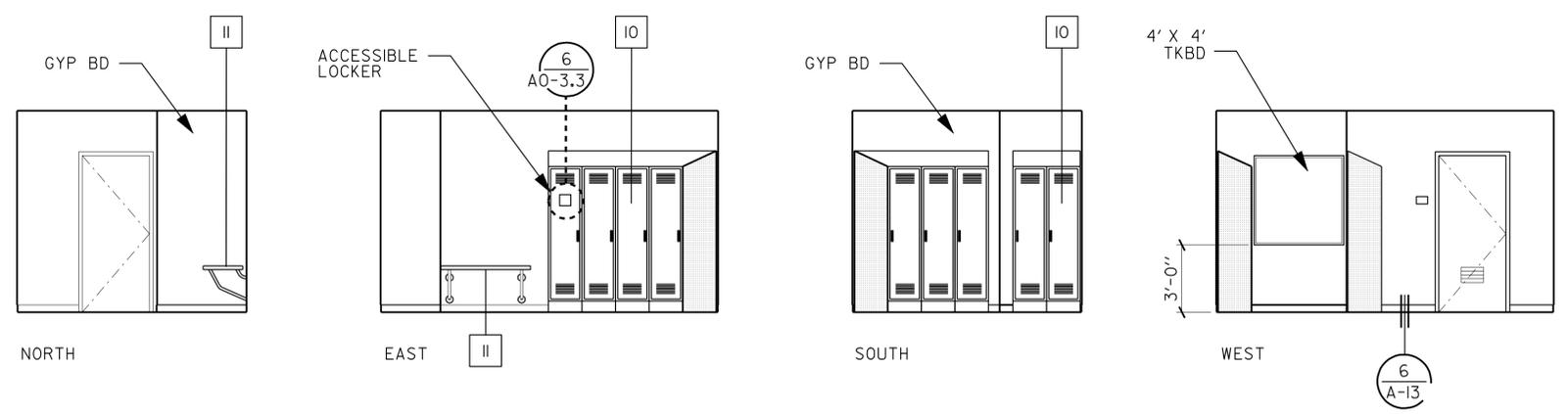
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MEN 103



WOMEN 104



LOCKER ROOM 105

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 0300020000
 Reviewed by: *[Signature]*
 Date: 12-08-10

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
 GARY BLUMENTHAL
 Approval date: 11-23-10

- KEY NOTES**
- 1 LAVATORY (5/AO-3.4)
 - 2 WATER CLOSET (3/AO-3.4, 6/AO-3.4)
 - 3 SEAT COVER DISPENSER
 - 4 TOILET TISSUE DISPENSER
 - 5 NAPKIN RECEPTACLE
 - 6 SOAP DISPENSER
 - 7 PAPER TOWEL DISPENSER/ WASTE RECEPTACLE COMBO
 - 8 18" X 36" MIRROR
 - 9 GRAB BAR
 - 10 METAL LOCKERS
 - 11 2' X 4' BENCH

- ACCESSIBILITY NOTES:**
1. FOR ADDITIONAL NOTES AND DIMENSIONS, SEE SHEETS AO-3.4, AO-3.5, A-1
 2. FOR ACCESSORY HEIGHTS NOT SHOWN ON INTERIOR ELEVATIONS, SEE DETAIL 3/AO-3.5
 3. DETAILS SHOWN IN KEY NOTES APPLY TO ACCESSIBLE FIXTURES ONLY
 4. DETAILS ON SHEETS AO-3.4 AND AO-3.5 ARE GENERIC. FOR ACTUAL FIXTURE STYLE AND PLUMBING SEE SPECIAL PROVISIONS AND PROJECT SPECIFIC PLANS

INTERIOR ELEVATIONS
 SCALE 1/4" = 1'-0"

a_08_intelev.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY D IGNACIO	CHECKED Q WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING INTERIOR ELEVATIONS	SHEET OF A-8
	DETAILS BY S YEH	CHECKED Q WONG			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
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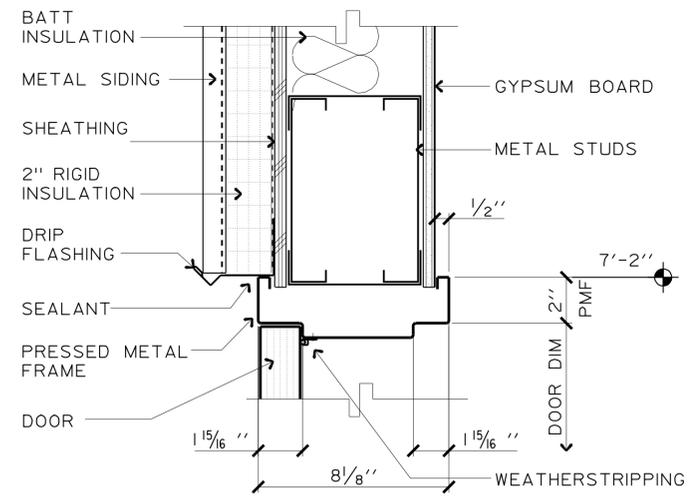
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03	Gle	5734		26	67

<i>Ferdinando Ignacio</i>		9/14/2010	
LICENSED ARCHITECT		DATE	

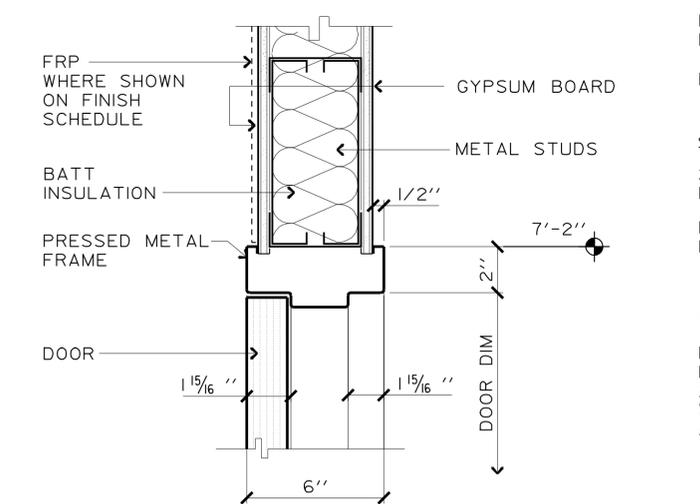
2-22-11
PLANS APPROVAL DATE

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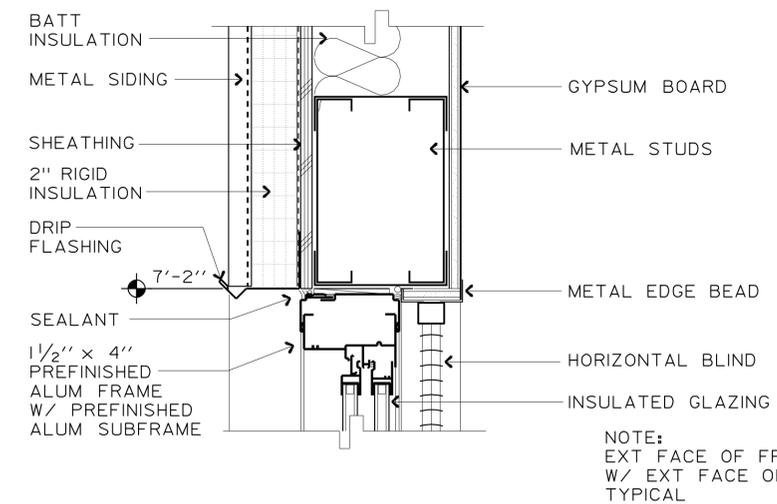
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Reviewed by: <i>[Signature]</i> Date: 12-08-10	



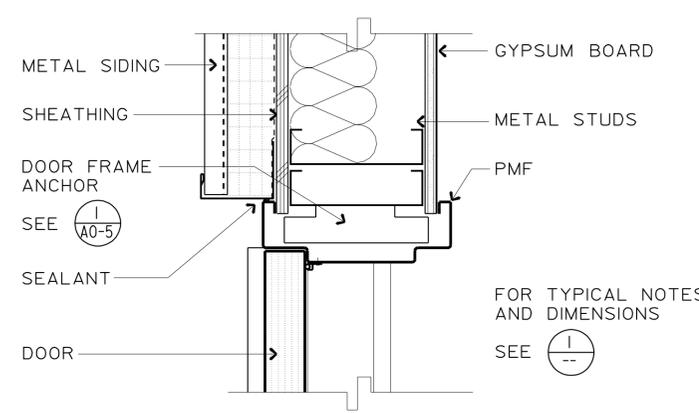
1 EXT DOOR HEAD
SCALE 3"=1'-0"



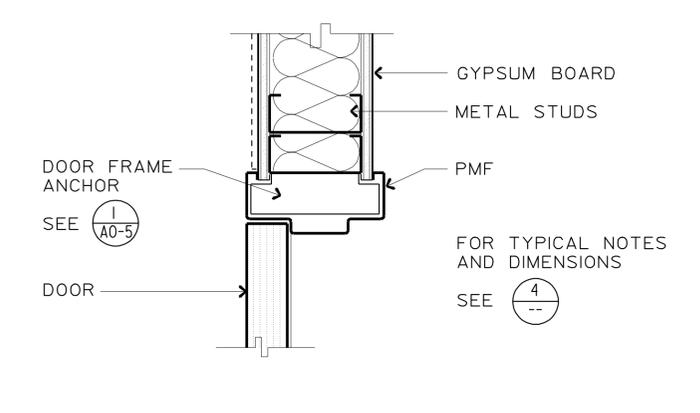
4 INT DOOR HEAD
SCALE 3"=1'-0"



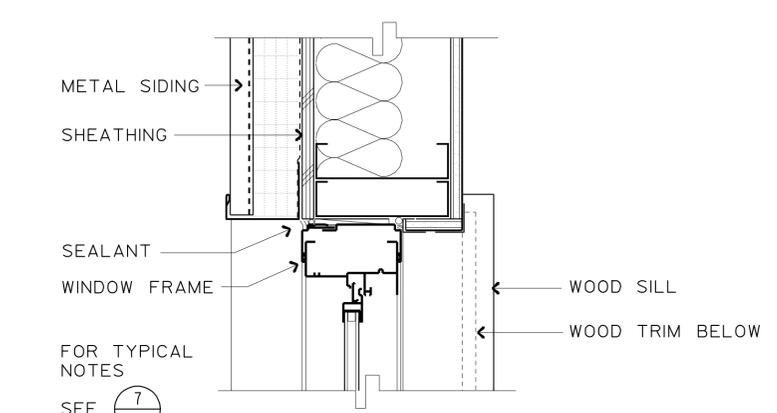
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SCALE 3"=1'-0"



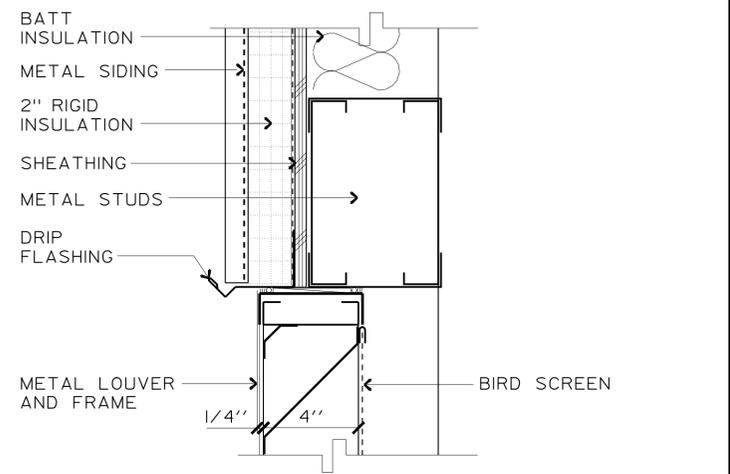
2 EXT DOOR JAMB
SCALE 3"=1'-0"



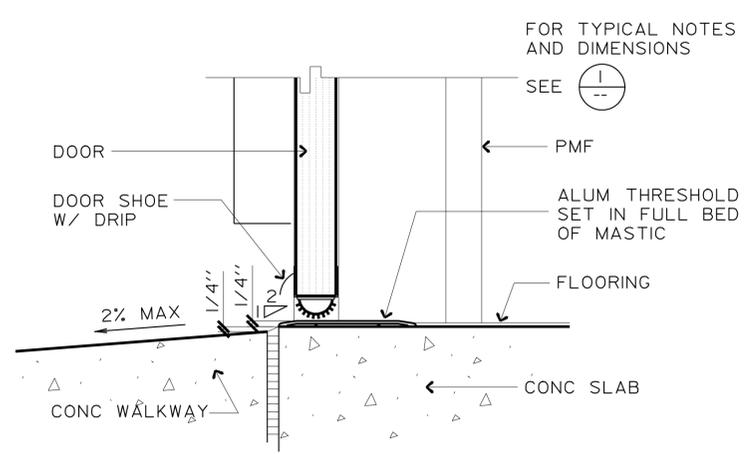
5 INT DOOR JAMB
SCALE 3"=1'-0"



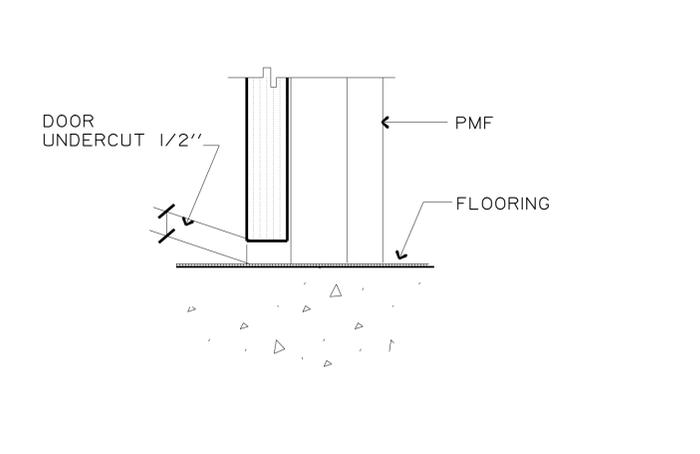
8 EXT WINDOW JAMB
SCALE 3"=1'-0"



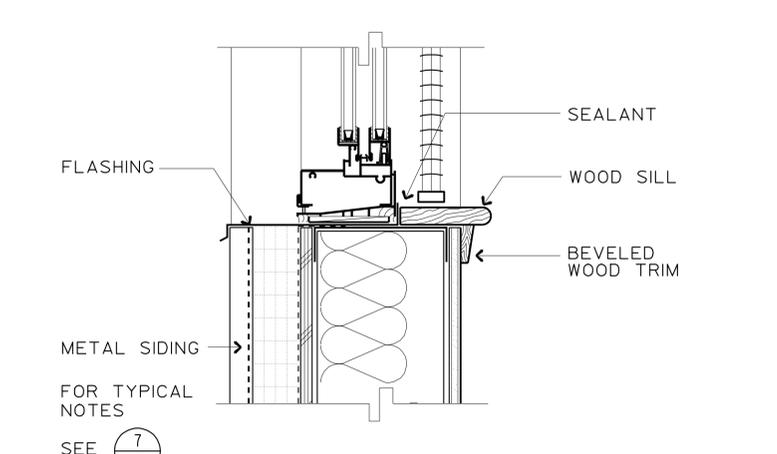
10 EXT LOUVER HEAD
SCALE 3"=1'-0" JAMB SIM



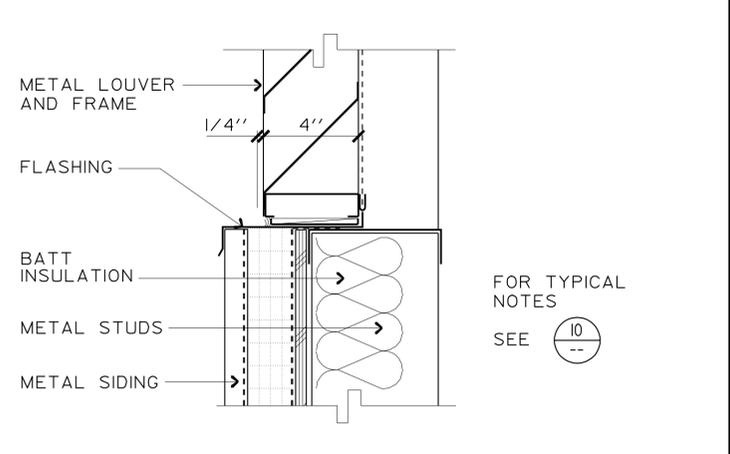
3 EXT DOOR SILL
SCALE 3"=1'-0"



6 INT DOOR SILL
SCALE 3"=1'-0"



9 EXT WINDOW SILL
SCALE 3"=1'-0"



11 EXT LOUVER SILL
SCALE 3"=1'-0"

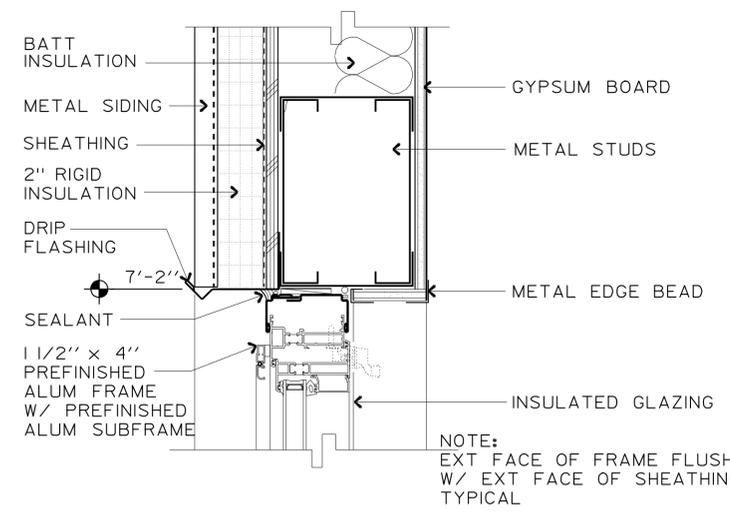
DESIGN BY D IGNACIO CHECKED Q WONG DETAILS BY S YEH CHECKED Q WONG QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING DOOR AND WINDOW DETAILS	SHEET OF
			POST MILE		A-9
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25-FEB-2011 09:52

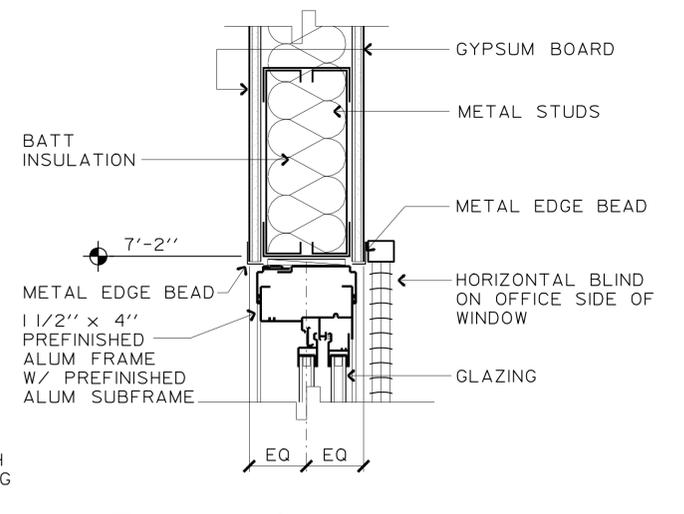
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		27	67

9/14/2010 DATE
 F.D. IGNACIO
 No. C-11819
 Exp. 01-31-11
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 STATE OF CALIFORNIA

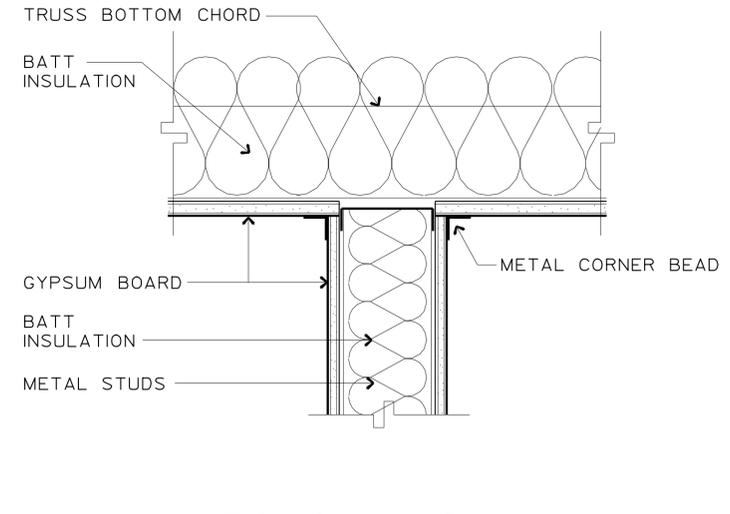
2-22-11
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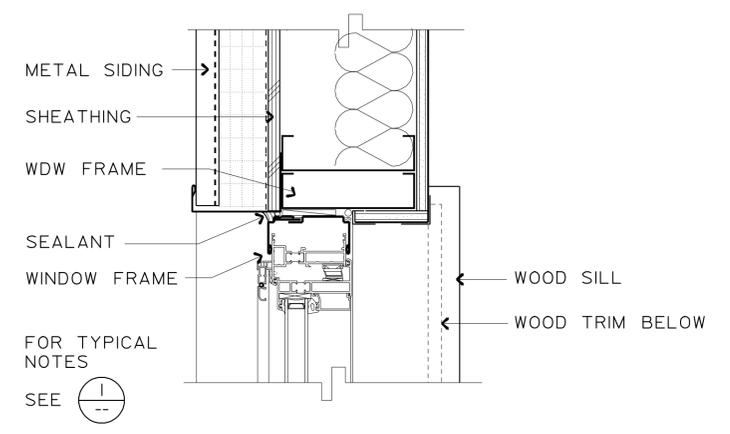
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SCALE 3"=1'-0"



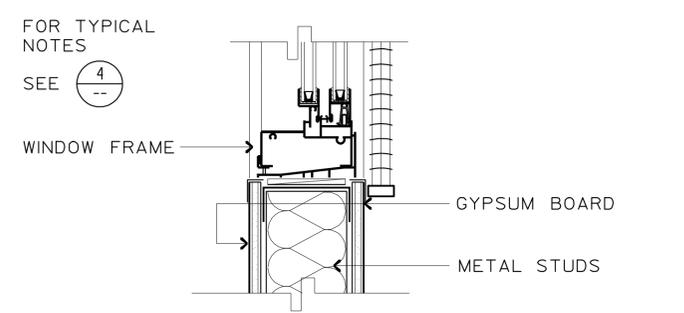
4 INT WINDOW HEAD
SCALE 3"=1'-0" JAMB SIM



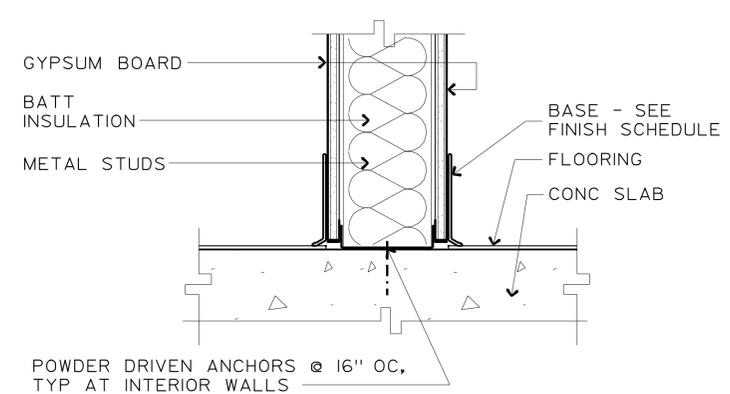
7 WALL TO CEILING
SCALE 3"=1'-0"



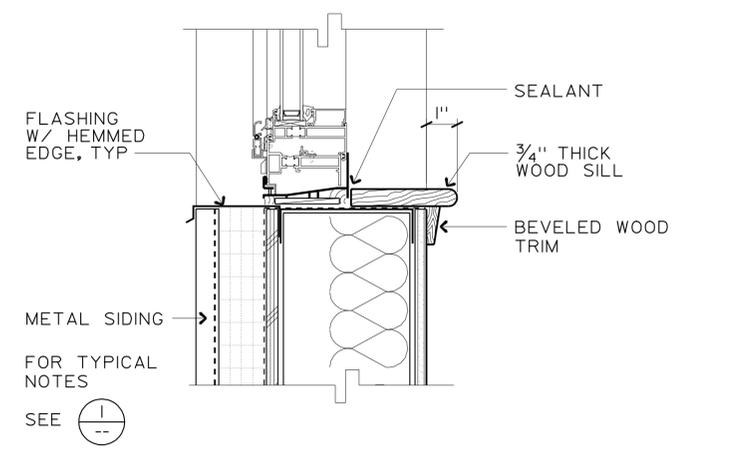
2 EXT WINDOW JAMB
SCALE 3"=1'-0"



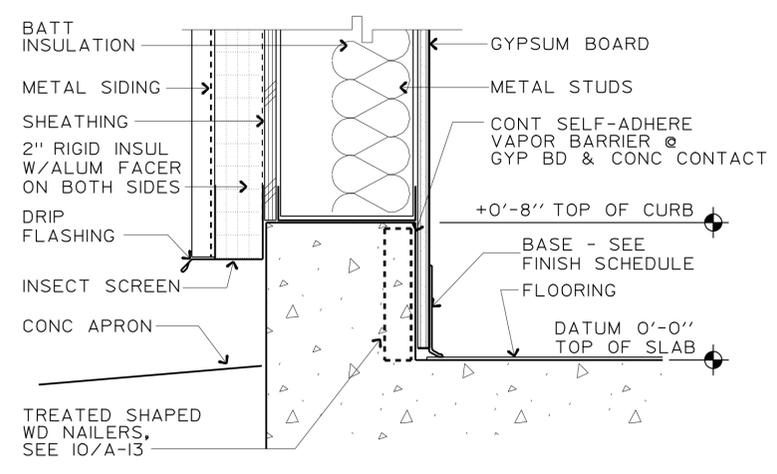
5 INT WINDOW SILL
SCALE 3"=1'-0"



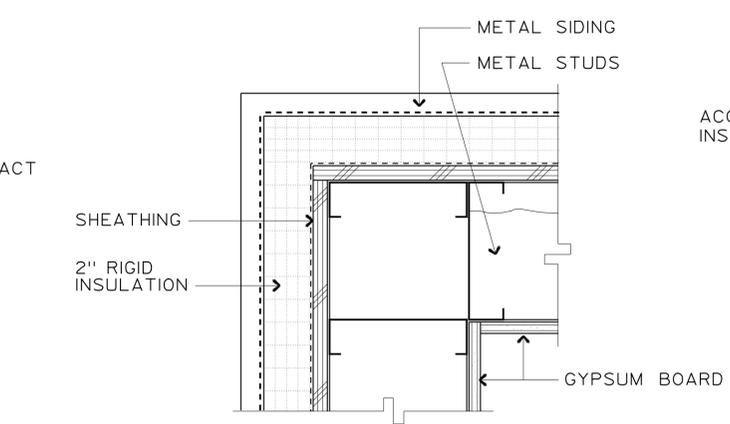
8 WALL TO SLAB
SCALE 3"=1'-0"



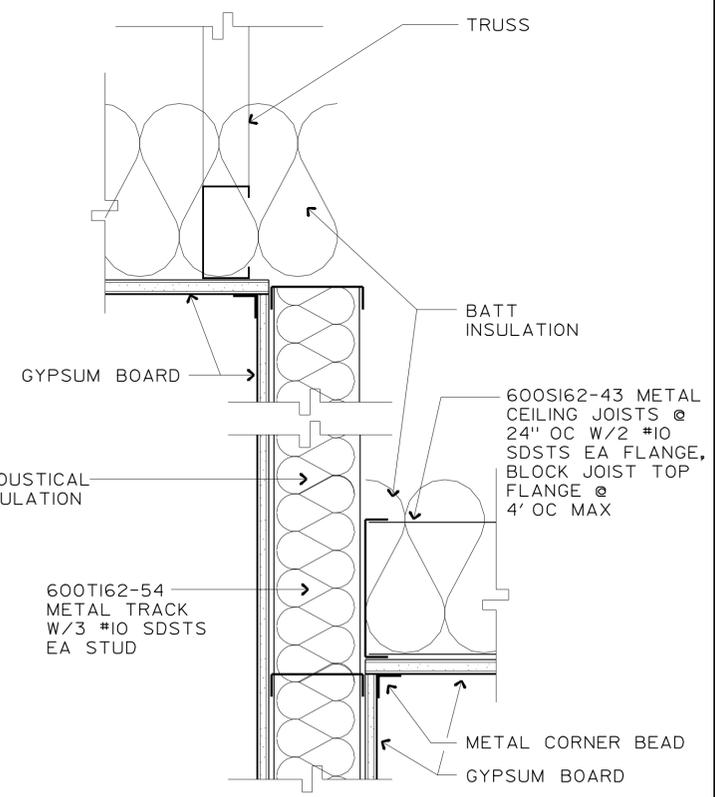
3 EXT WINDOW SILL
SCALE 3"=1'-0"



6 EXT WALL @ CURB
SCALE 3"=1'-0"



9 EXT WALL @ CORNER
SCALE 3"=1'-0"



10 DROPPED CEILING TO WALL
SCALE 3"=1'-0"

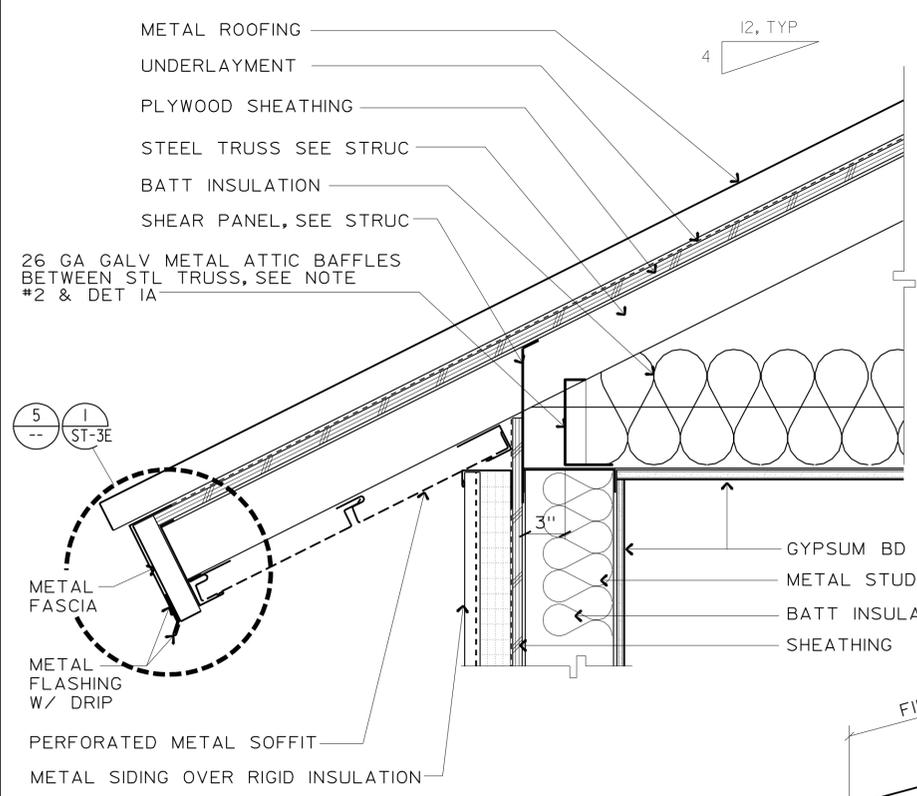
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	DETAILS BY S YEH	CHECKED Q WONG		UNIT PROJECT NUMBER & PHASE 3598 03000200001	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
25-FEB-2011 09:52	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	07-20-10	a_10_wdwall.dgn

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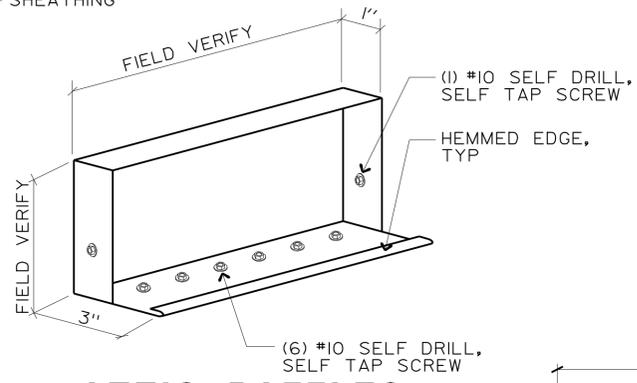
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PLANS APPROVAL DATE 2-22-11		
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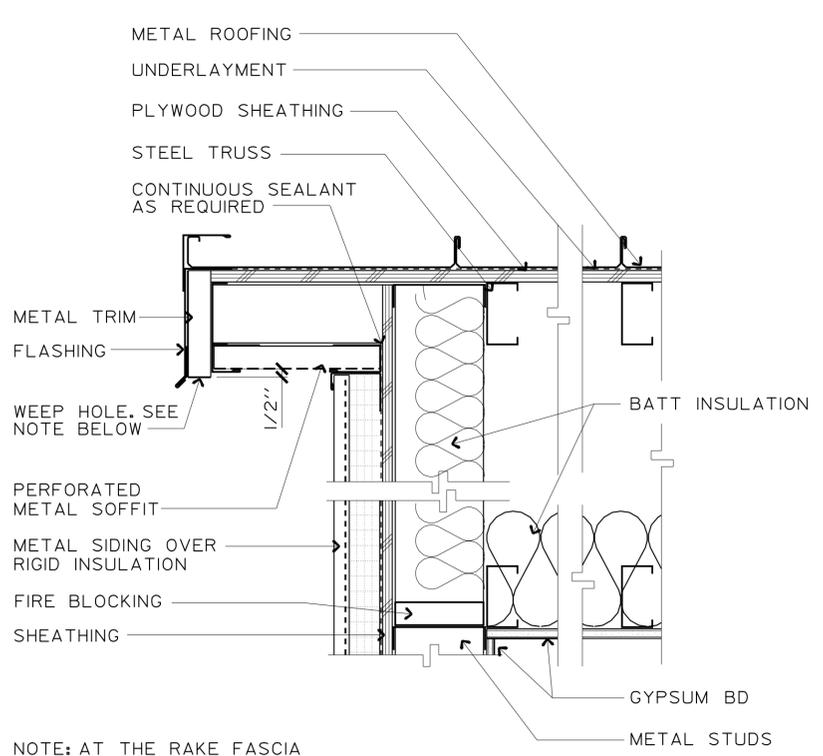
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1 EAVE
 SCALE 2"=1'-0"

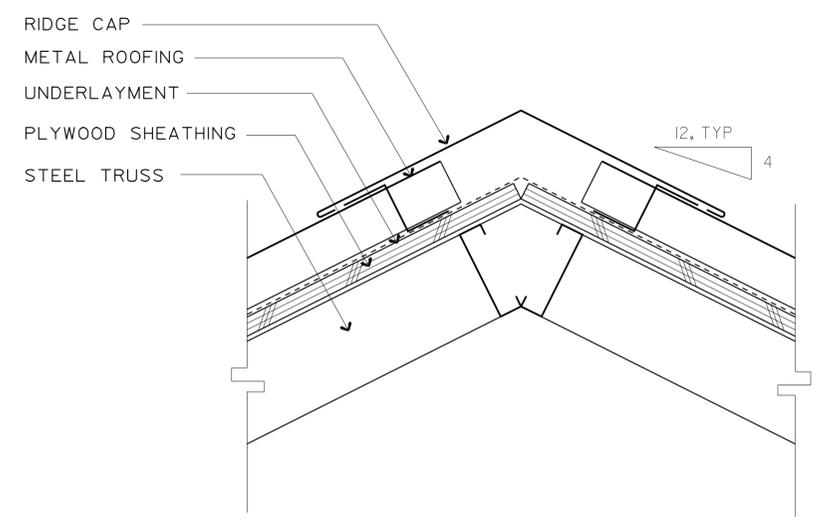


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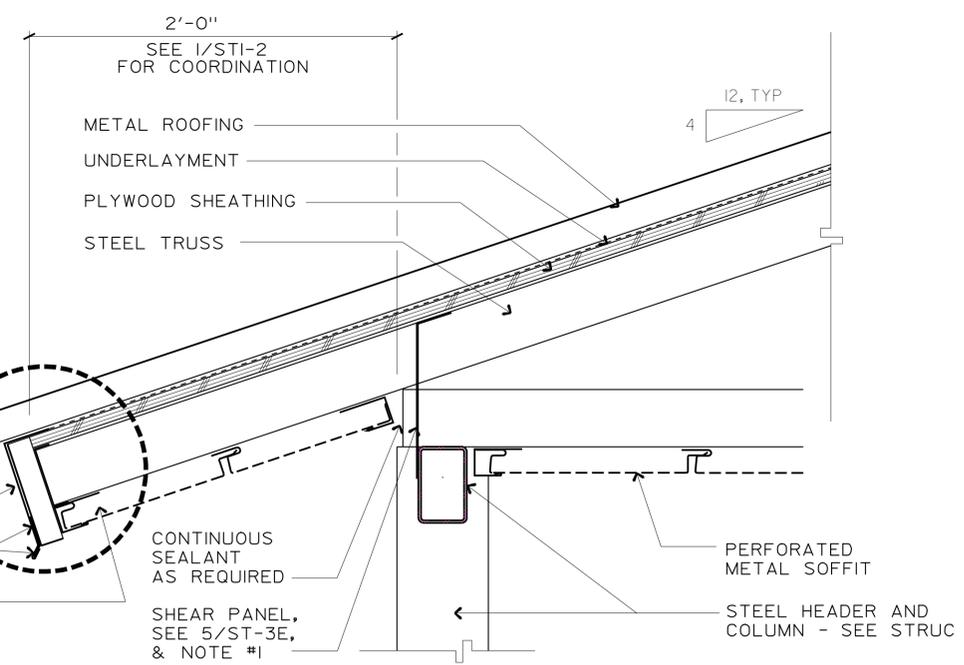


2 RAKE
 NOT TO SCALE

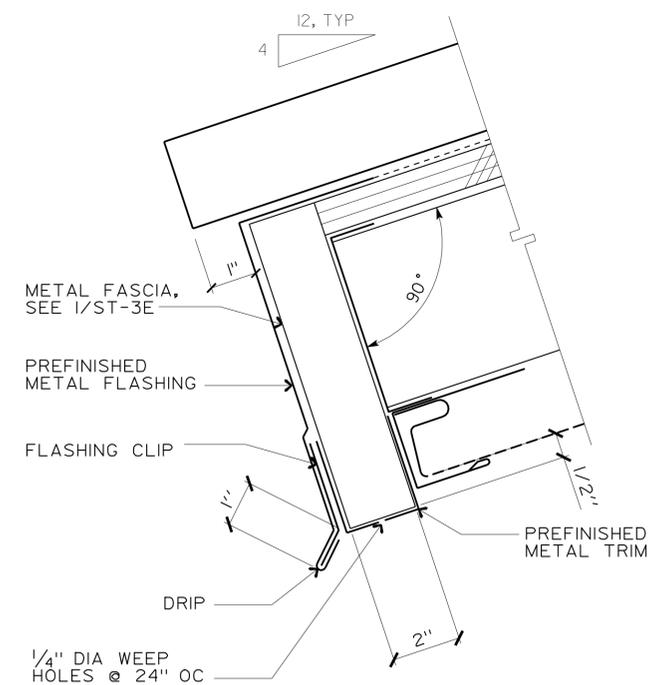
NOTE: AT THE RAKE FASCIA LOWEST BOTTOM POINT, PROVIDE ONE (1) 1/4" DIA WEEP HOLE, (TOTAL OF 2).



3 RIDGE
 SCALE 3"=1'-0"



4 EAVE @ COVERED PORCH
 SCALE 2"=1'-0" FOR TYPICAL NOTES AND DIMENSIONS, SEE 1



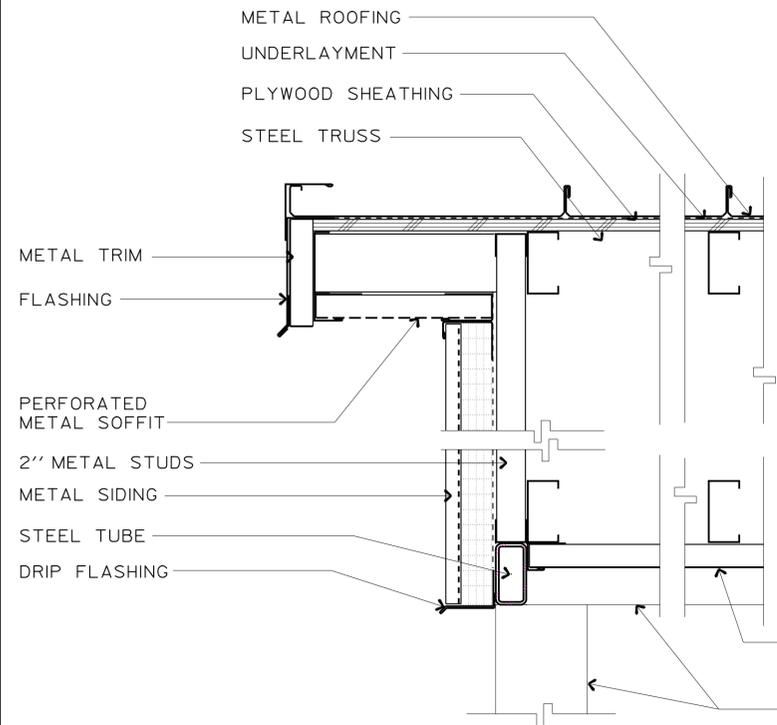
5 EAVE FLASHING
 SCALE 6"=1'-0"

DESIGN BY D IGNACIO CHECKED Q WONG DETAILS BY S YEH CHECKED Q WONG QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734 POST MILE	WILLOWS MAINTENANCE STATION OFFICE BUILDING ROOF DETAILS	SHEET A-11
q_11_roof.dgn TAEMWW Imperial Rev. 7/10 25-FEB-2011 09:52	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 03000200001 EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 07-20-10	SHEET OF X X	SHEET OF X X

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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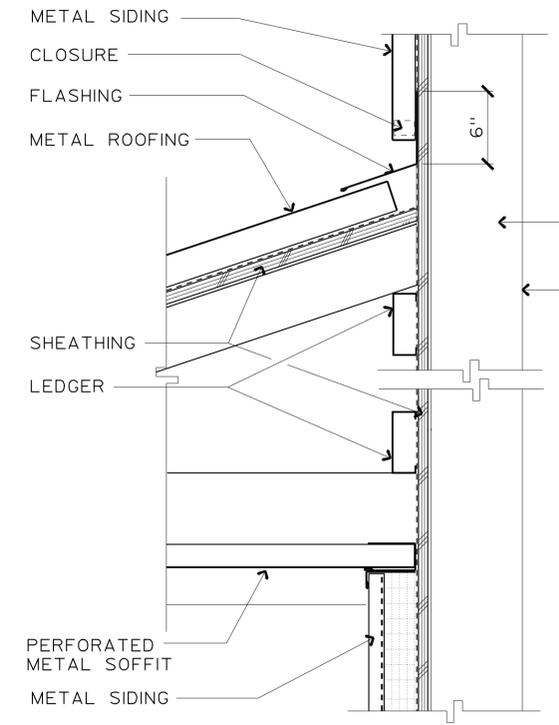
9/14/2010 DATE
 F.D. IGNACIO
 No. C-11819
 Exp. 01-31-11
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 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE
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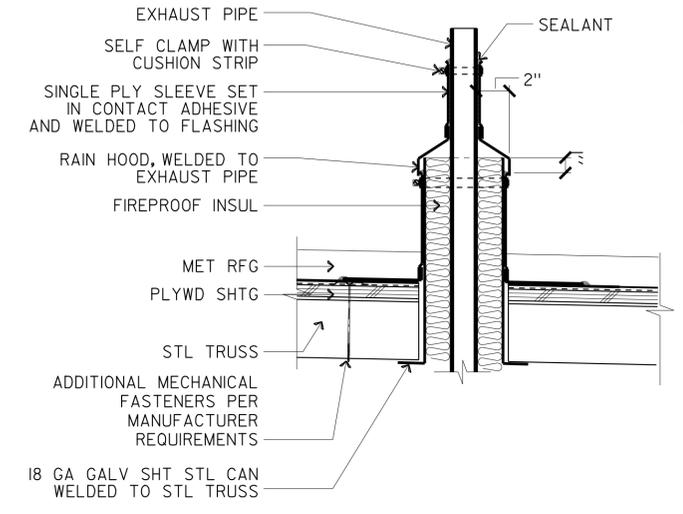


FOR TYPICAL NOTES AND DIMENSIONS
SEE 2/A-11

1 RAKE @ COVERED PORCH
SCALE 2"=1'-0"



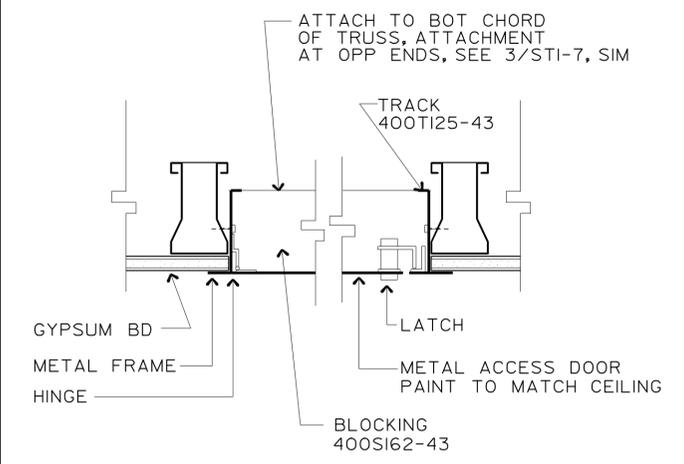
2 COVERED PORCH @ WALL
SCALE 2"=1'-0"



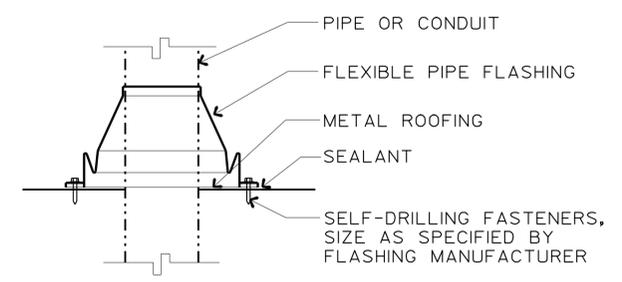
3 FLUE THRU ROOF
NO SCALE

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 0300020000
 Reviewed by: [Signature]
 Date: 12-08-10

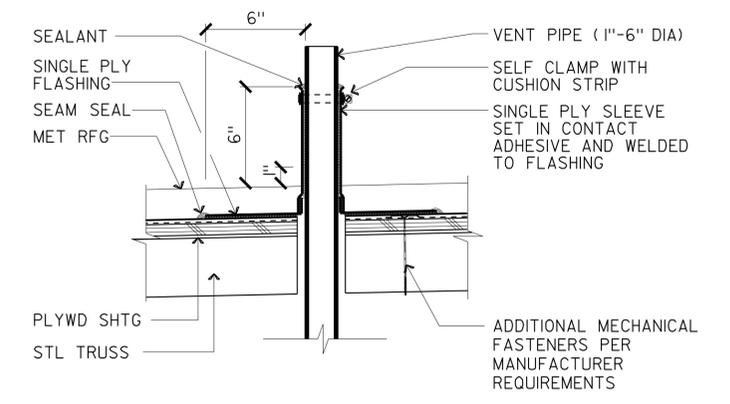
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: [Signature] GARY BLUMENTHAL
 Approval date: 11-23-10



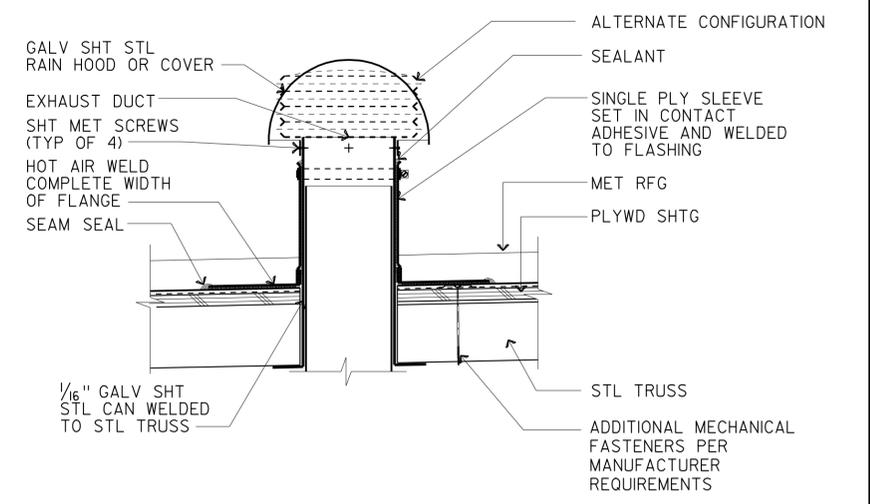
4 ATTIC ACCESS
SCALE 3"=1'-0"



5 ROOF JACK-VENT PIPE
NO SCALE



6 PLUMBING VENT THRU ROOF
NO SCALE

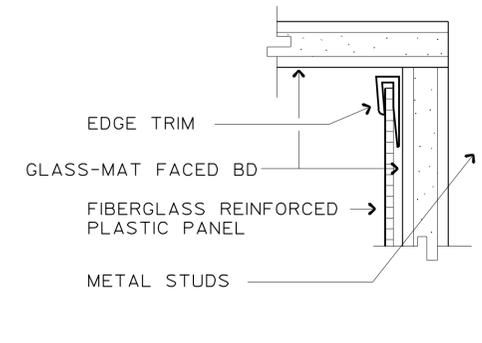


7 EXHAUST VENT THRU ROOF
NO SCALE

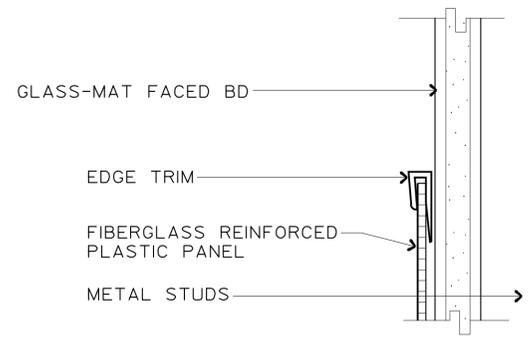
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	DETAILS BY S YEH	CHECKED Q WONG			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 03000200001 EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES 07-20-10		

28-FEB-2011 14:41

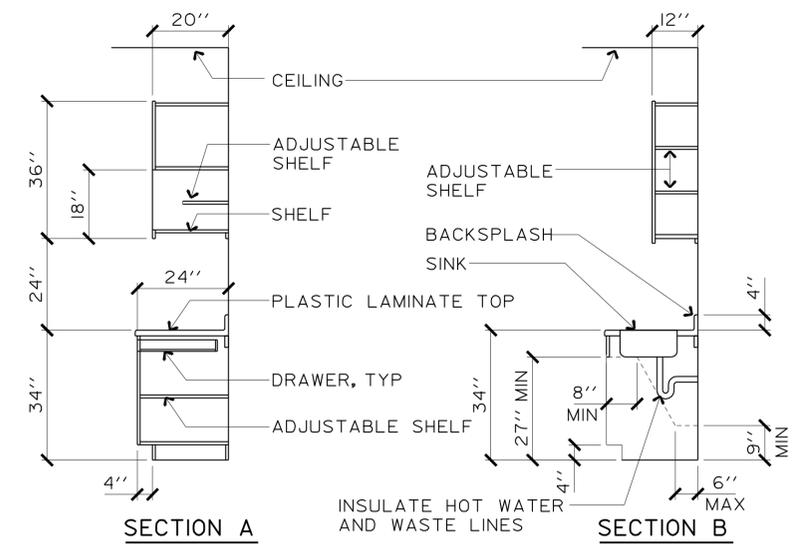
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03	Gle	5734		30	67
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2-22-11 PLANS APPROVAL DATE					
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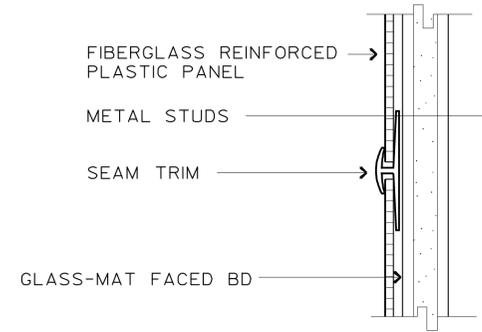
1 FRP @ CEILING
FULL SCALE



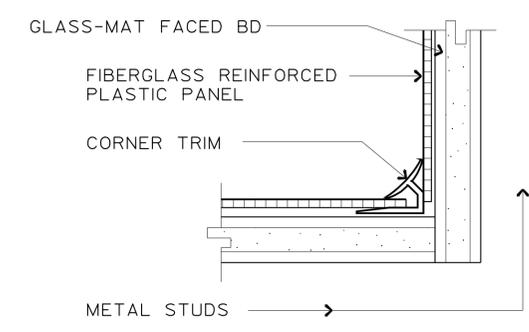
4 FRP @ WAINSCOT
FULL SCALE



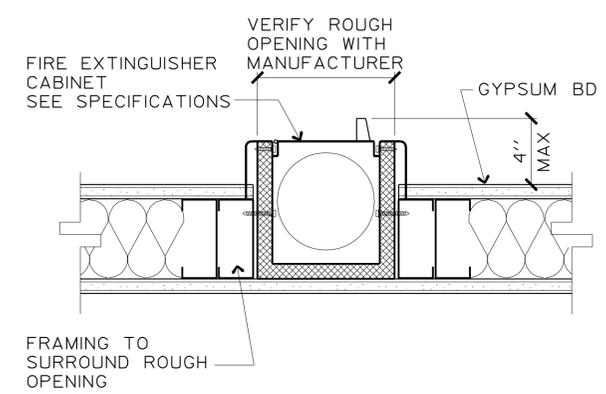
7 CABINET SECTIONS
SCALE 1/2"=1'-0"



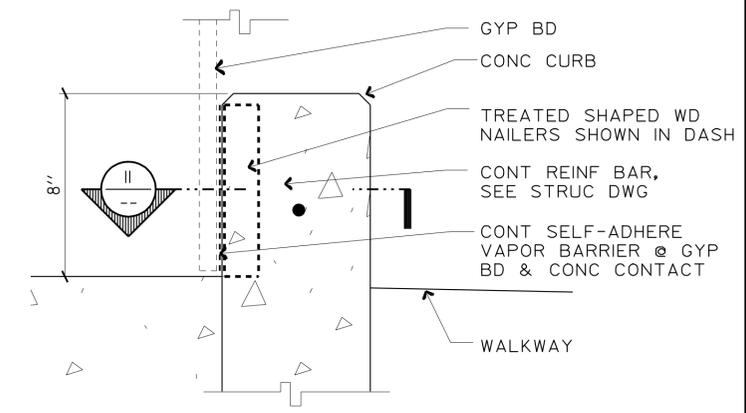
2 FRP @ SEAM
FULL SCALE



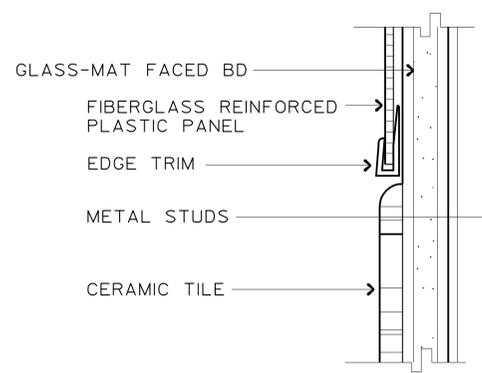
5 FRP @ CORNER
FULL SCALE



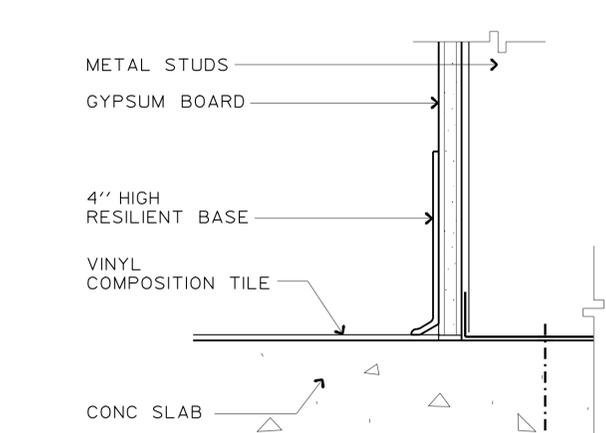
8 FIRE EXTINGUISHER CABINET
SCALE 3"=1'-0"



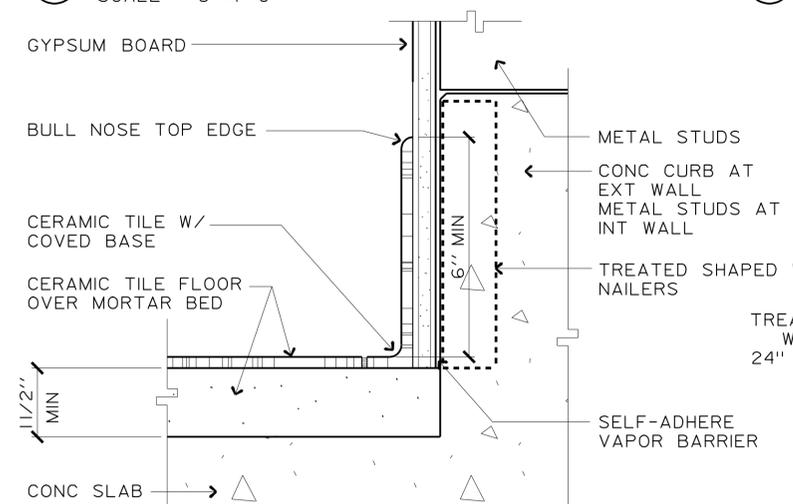
10 SECTION-WD NAILER@CONC CURB
SCALE 3"=1'-0"



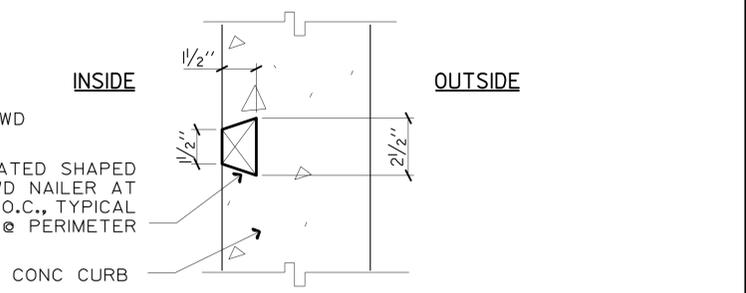
3 FRP @ TILE BASE
FULL SCALE



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



9 CERAMIC TILE BASE
SCALE 6"=1'-0"



11 PLAN-WD NAILER @ CONC CURB
SCALE 3"=1'-0"

a_13_int.dgn TAEMWW Imperial Rev. 7/10 25-FEB-2011 09:53	DESIGN BY D IGNACIO	CHECKED Q WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE BUILDING INTERIOR DETAILS	SHEET OF A-13
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF X X	

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		31	67

Dailu
 REGISTERED CIVIL ENGINEER
 09-16-10
 DATE

REG. NO. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

2-22-11
 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
CIDH	Cast In Drilled Hole	Mech	Mechanical
CJ	Control Joint	Mfr	Manufacturer
Clr	Clear	mm	Millimeter
CMU	Concrete Masonry Unit	Min	Minimum
Conc	Concrete	MIW	Malleable Iron Washer
Const	Construction	OC	On Center
Cont	Continuous	OG	Original Grade
CP	Complete Penetration Weld	OH	Opposite Hand
Dbl	Double	Opt	Optional
DF	Douglas Fir	P	Pitch
Dia	Diameter	PDF	Powder Driven Fastener
DIP	Ductile Iron Pipe	Plwd	Plywood
DN	Diameter Nominal	PT	Pressure Treated
do	Ditto	PW	Puddle Weld
(E)	Existing	PWB	Prefabricated Wood I Beam
Ea	Each	RCP	Reinforced Concrete Pipe
EL	Elevation	Reinf	Reinforced, Reinforcing
Elec	Electrical	Req'd	Required
Embed	Embedment	SDSTS	Self Drill, Self Tap Screw
EN	Edge Nail	Sim	Similar
Eq	Equal	SPS	Structural Plywood Sheathing
Exp	Expansion	Sq	Square
FDGM	Free Draining Granular Material	Stagg	Staggered
FG	Finish Grade	Std	Standard
FL	Flow Line	SW	Stud Weld
Fir	Floor	Sym	Symmetrical
FN	Face (Field) Nail	T&G	Tongue-and-Groove
FOC	Face of Concrete	TN	Toe Nail
FOM	Face of Masonry	TS	Tube Steel
FOS	Face of Stud	Typ	Typical
Ftg	Footing	UON	Unless Otherwise Noted
Ga	Gage	Vert	Vertical
Galv	Galvanized		
GLM	Glue Laminated Member		
Gyp Bd	Gypsum Board		

SYMBOLS

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

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

FILE NO. XS-25-0		DESIGN BY <i>Sean Samal</i>		CHECKED <i>George E. Rowe</i>		APPROVED <i>R.E. Travis</i>		BRIDGE NO. 5734		WILLOWS MS OFFICE		SHEET ST-1	
DRAWING DATE 1-04		SUBMITTED BY <i>Sean Samal</i>		DESIGN ENGINEER		DESIGN SUPERVISOR		POST MILE		LEGEND		OF	
TAEMWW Imperial Rev. 7/10		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3599 03000200001		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 12-14-10		SHEET		OF	

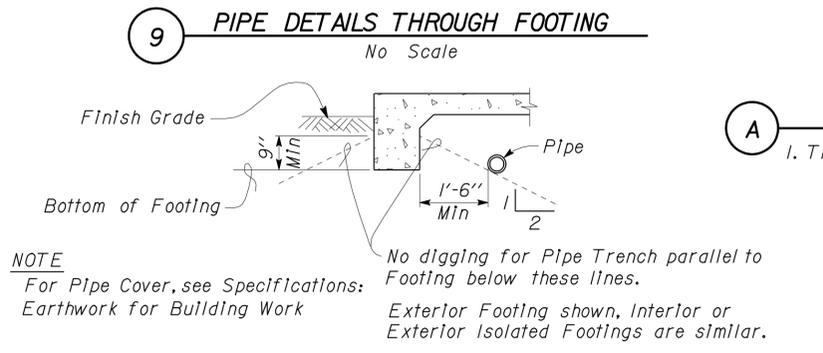
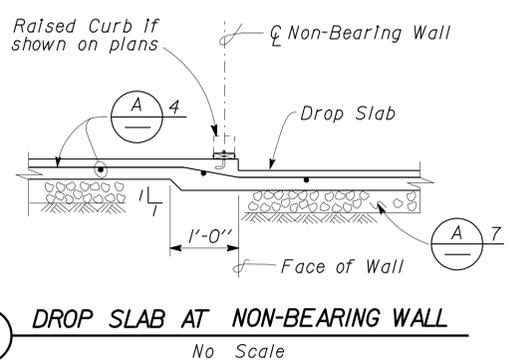
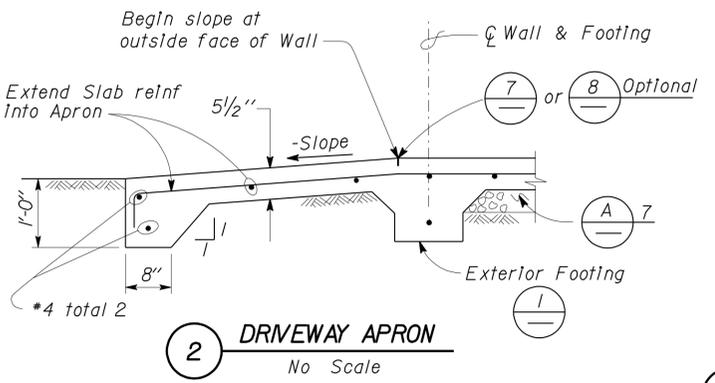
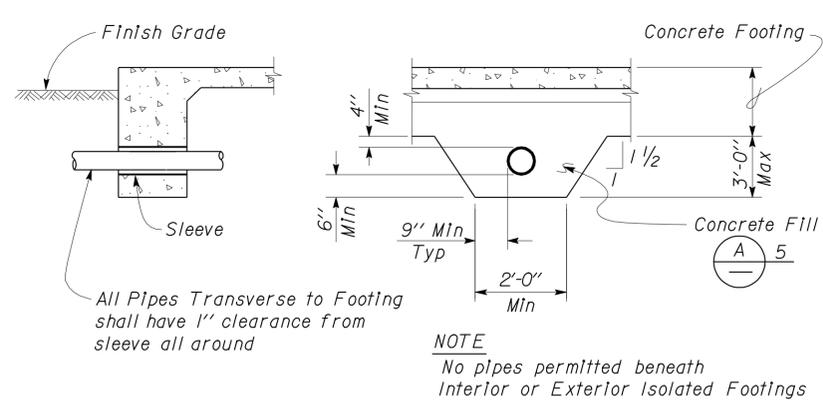
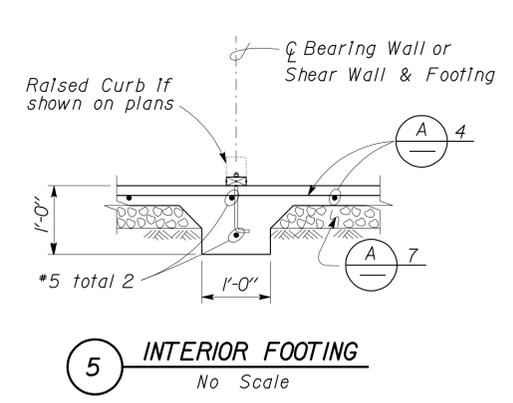
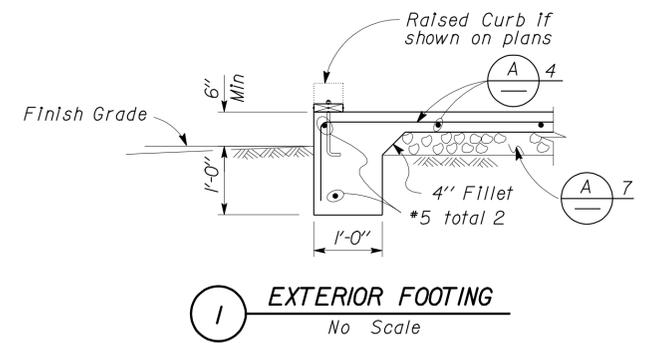
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

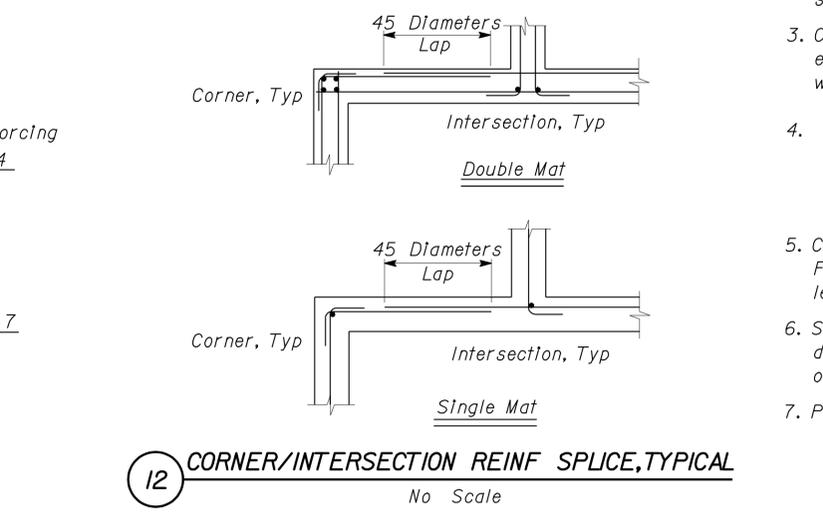
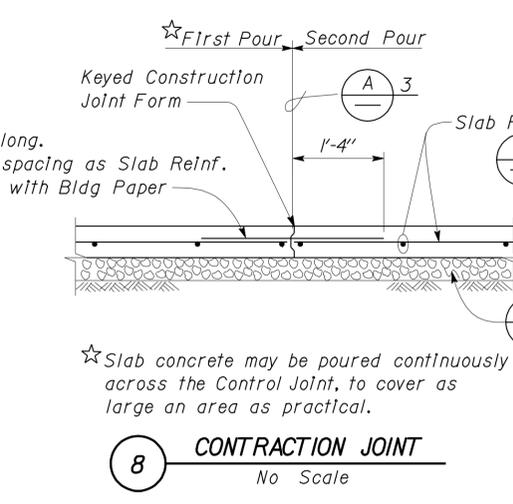
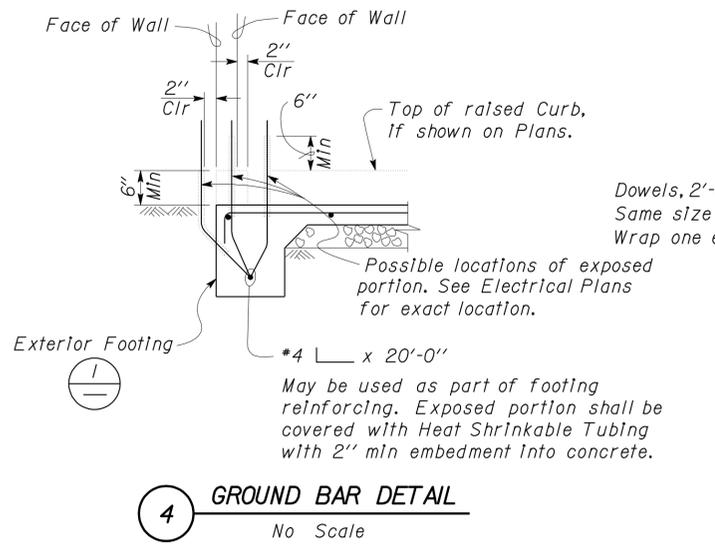
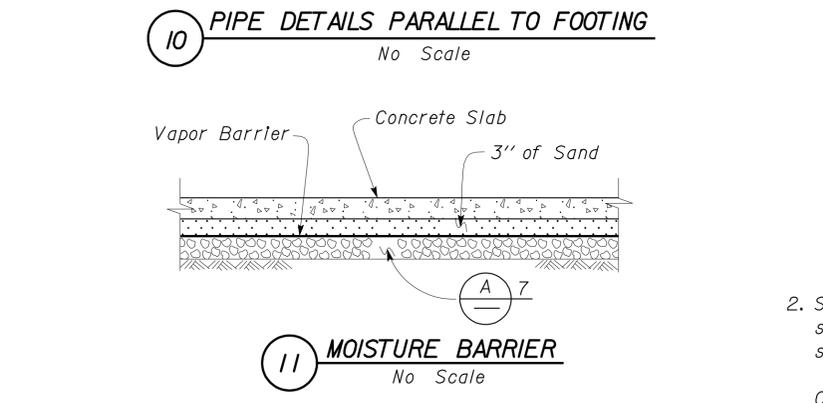
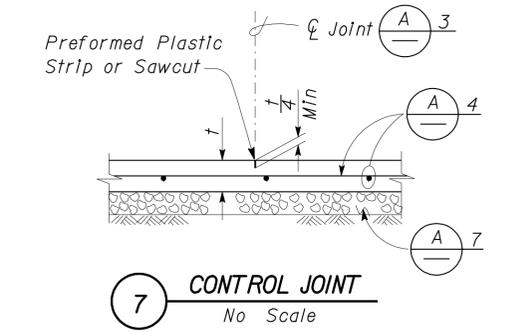
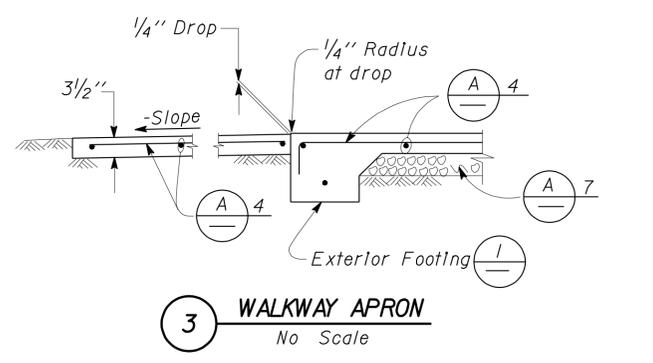
09-16-10 DATE
 2-22-11 PLANS APPROVAL DATE
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A CONCRETE NOTES

1. 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

STANDARD DRAWING

FILE NO. XS-25-1	DESIGN BY Sean Seavel	CHECKED [Signature]	APPROVED [Signature]
DRAWING DATE 1-04	DETAILS BY Peter F. von Davy, II	CHECKED [Signature]	DESIGN SUPERVISOR [Signature]
	SUBMITTED BY Sean Seavel	DESIGN ENGINEER	

TAEMWW Imper-Id Rev. 7/10

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0	1	2	3
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DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5734
POST MILE

UNIT PROJECT NUMBER & PHASE 3599 03000200001
EA 3E4401

WILLOWS MS OFFICE
CONCRETE STANDARD

SHEET ST-2

REVISION DATES (PRELIMINARY STAGE ONLY)

12-14-10					
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SHEET OF

25-FEB-2011 09:23

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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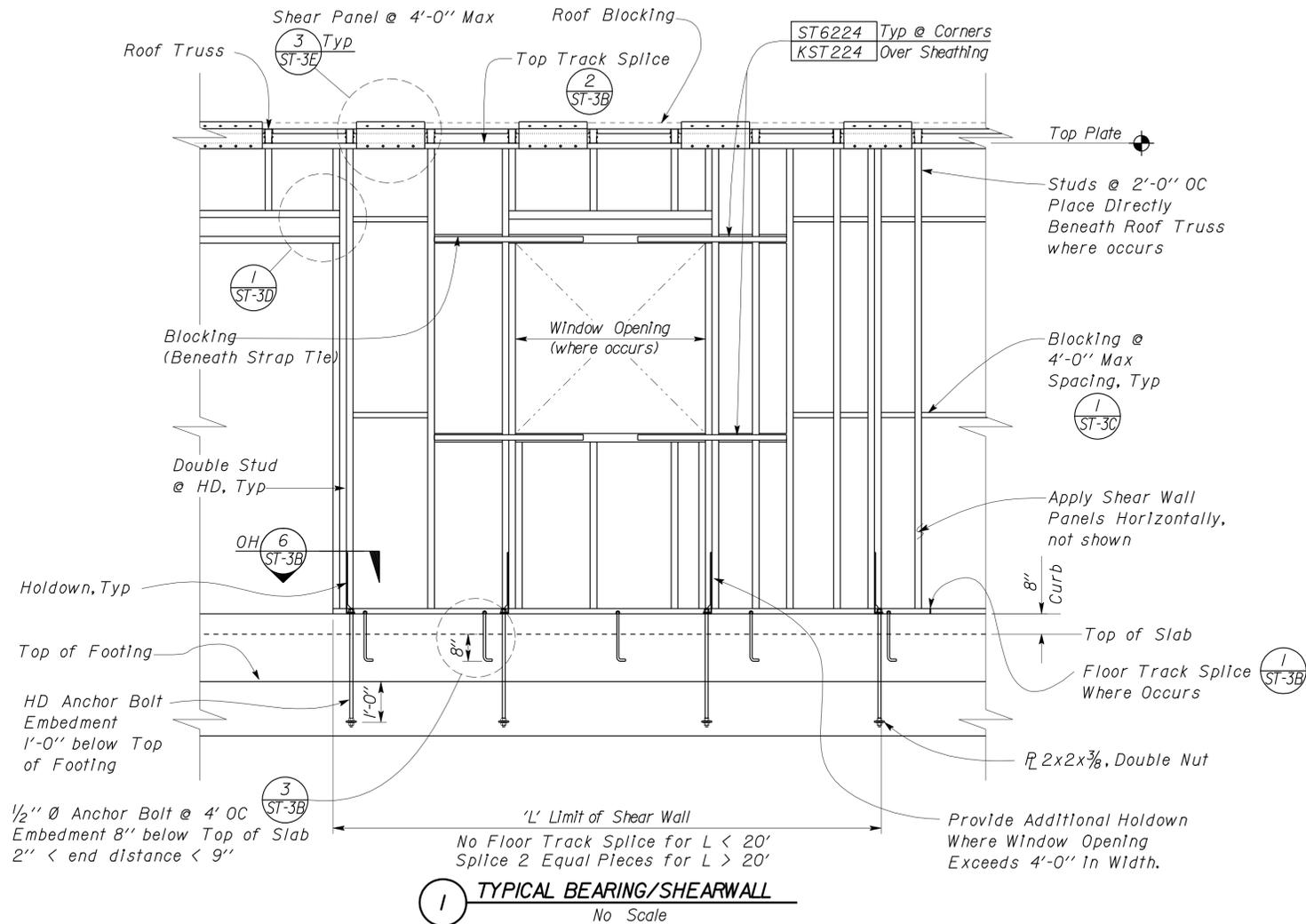
Dai Lu
REGISTERED CIVIL ENGINEER

09-16-10
DATE

REGISTERED PROFESSIONAL ENGINEER
 Dai Lu
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

2-22-11
PLANS APPROVAL DATE

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A COLD FORMED STEEL SECTIONS

LOCATION	ITEM	SECTION
6" Bearing Walls	Stud	600S200-54
	Track	600T200-54
	Blocking	600T200-54
Partition Walls	Stud	400S162-43
	Joist	600S162-43
	Track	400T150-43
	Slip Track	400SLT250-43
	Blocking	400T150-43
Plumbing Wall	Stud	600S162-43
	Track	600T162-43
Roof	Blocking	250S137-54
Lintels Span < 6'-0"	Joist	600S200-68
Lintels Span ≥ 6'-0"	Joist	1000S200-68
Lintels	Track per Wall Schedule above.	

- Section designations shall conform to the AISI Standard for Cold-Formed Steel Framing General Provisions.
- Framing screws shall be #10 Modified Truss, Self-Drilling, Self-Tapping Screws with a Min Head Dia of 5/16".
- Penetration of Screws through Joined Materials shall not be Less than 3 Exposed Threads. Screws shall be installed and tightened in accordance with Screw Manufacturer's Instructions.
- All screws to be ICC approved, subject to approval by the Engineer.
- All sections except Studs shall be unpunched.

B GENERAL WALL NOTES

- See sheet ST1-0 for Panel Screws.
- For other Anchor Bolt requirements, See ST-3B.
- Shear Wall Panels shall be 15/32" CDX Exposure I with 32/16 Span Rating.
- Studs shall not be spliced.
- All Exterior Walls shall be Blocked @ 4'-0" OC.
- All Panel Edges shall be Blocked.
- See Individual structures for Cold-Formed Steel Section and Hold-Down Requirements.
- Partition wall studs shall be 16" OC

DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

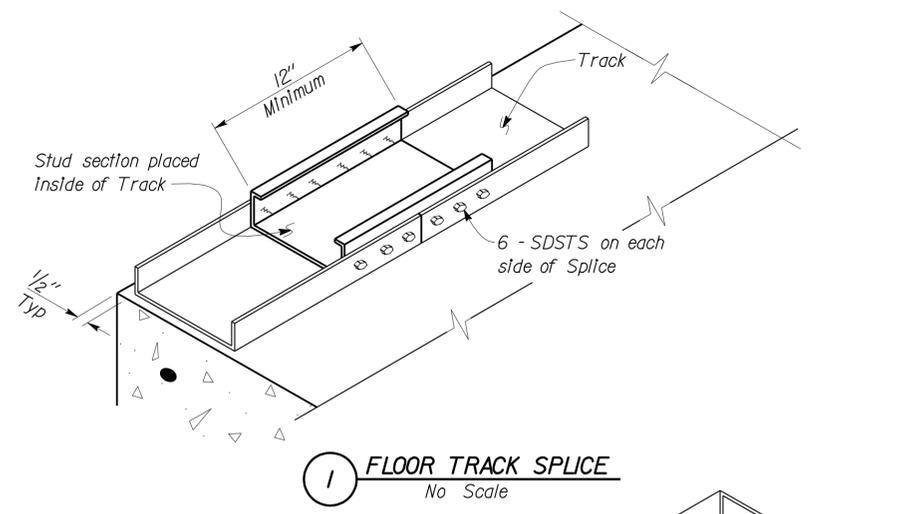
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5734
POST MILE	

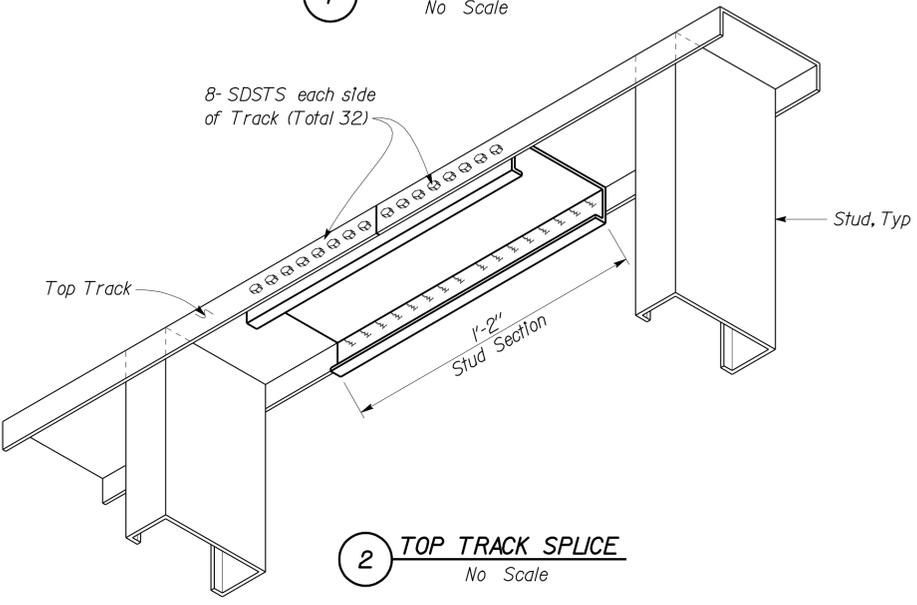
WILLOWS MS OFFICE
COLD FORMED STEEL FRAMING AND NOTES

SHEET
ST-3A

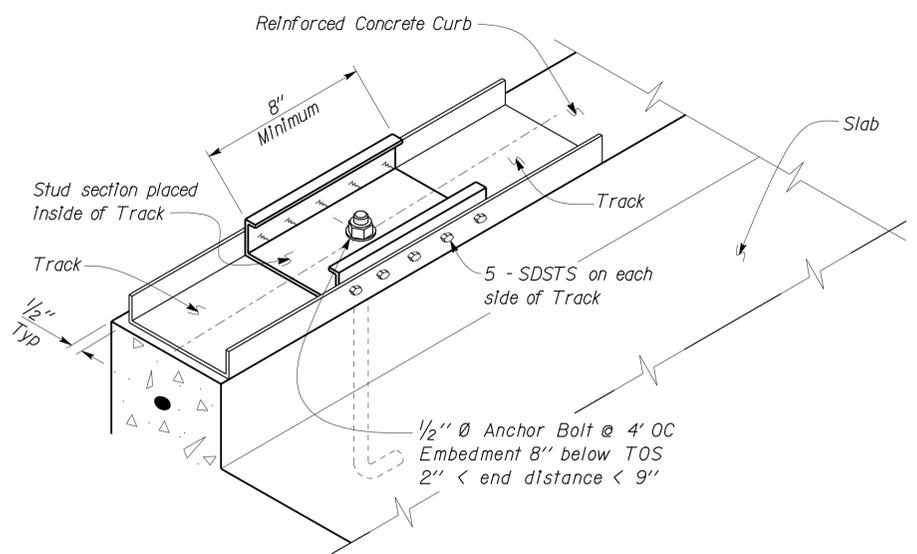
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03	Gle	5734		34	67
<i>Dai Lu</i> REGISTERED CIVIL ENGINEER No. 67416 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA			09-16-10 DATE		
2-22-11 PLANS APPROVAL DATE					
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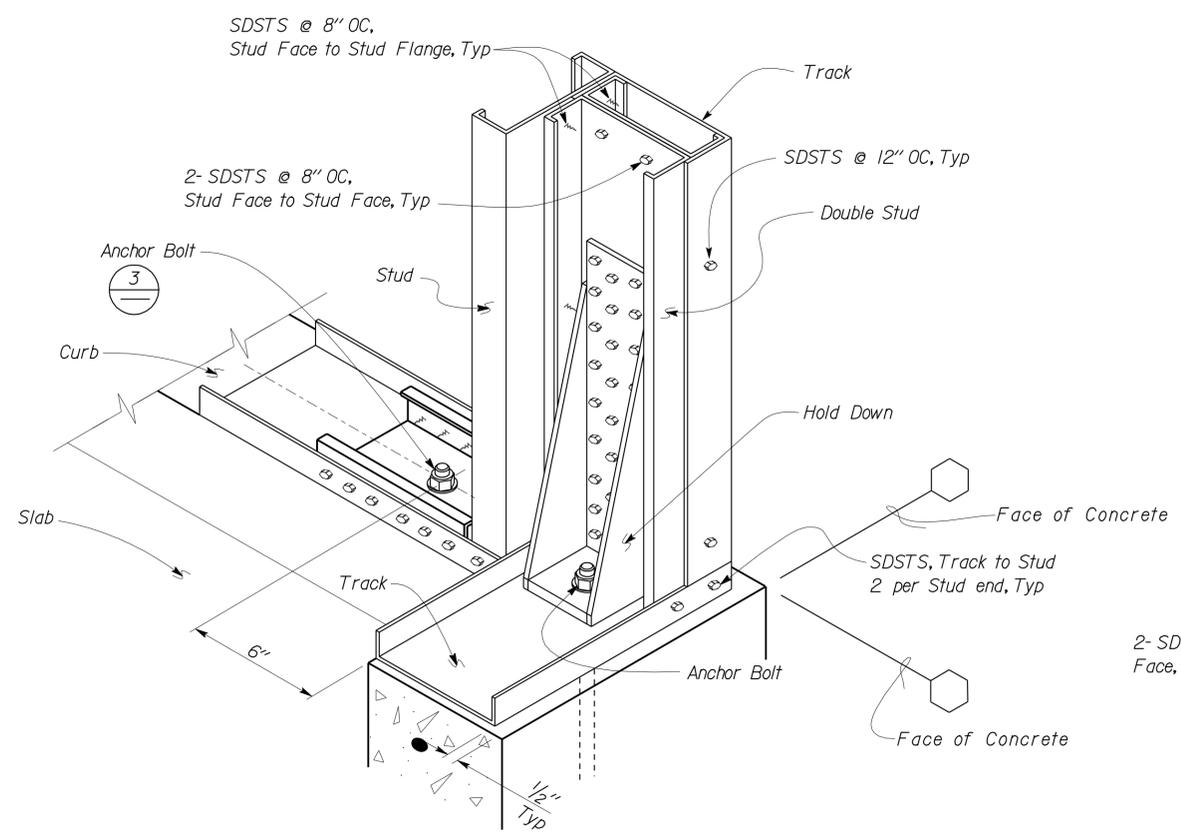
1 FLOOR TRACK SPLICE
No Scale



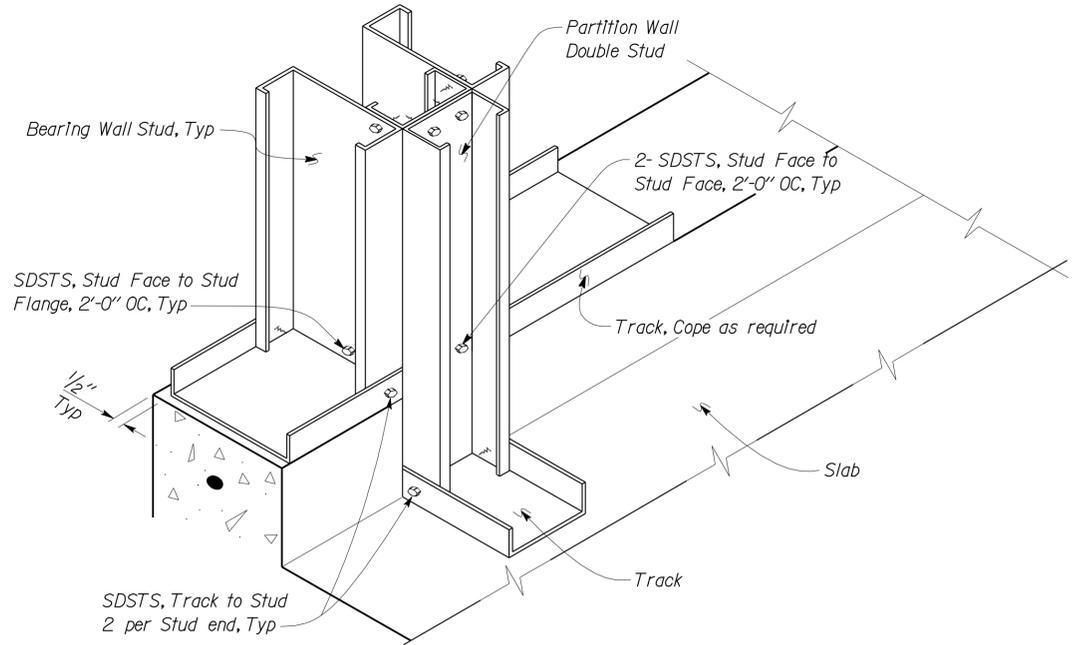
2 TOP TRACK SPLICE
No Scale



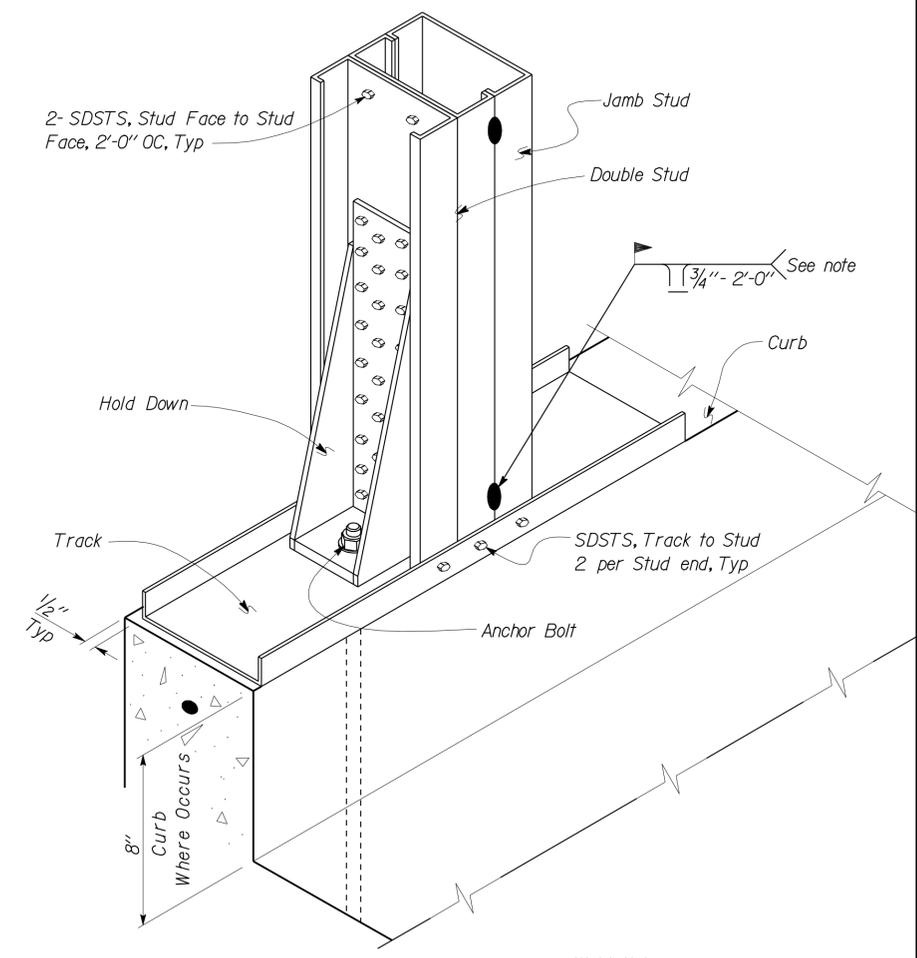
3 EXTERIOR WALL TRACK ANCHORAGE
No Scale



4 WALL ANCHOR AT CORNER
No Scale



5 WALL INTERSECTION DETAIL
No Scale



6 WALL ANCHOR DETAIL
No Scale

Weld Note:
Weld Flange Edge both sides.

DESIGN BY Dai Lu	CHECKED BY Justin Uyehara	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MS OFFICE COLD FORMED STEEL DETAILS - WALLS	SHEET ST-3B
DETAILS BY David Good	CHECKED BY Justin Uyehara		PROJECT NUMBER & PHASE 3599 03000200001	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES BY	CHECKED		UNIT EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	12-14-10	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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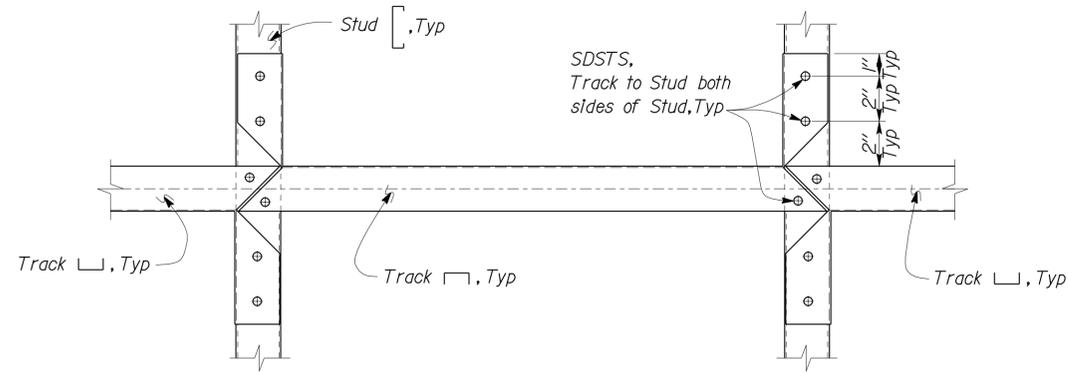
Dai Lu
REGISTERED CIVIL ENGINEER

09-16-10
DATE

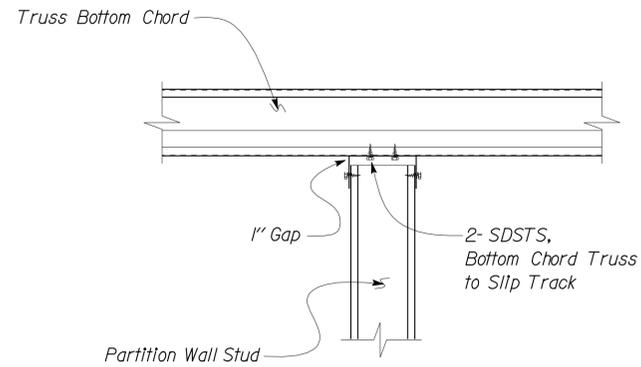
2-22-11
PLANS APPROVAL DATE

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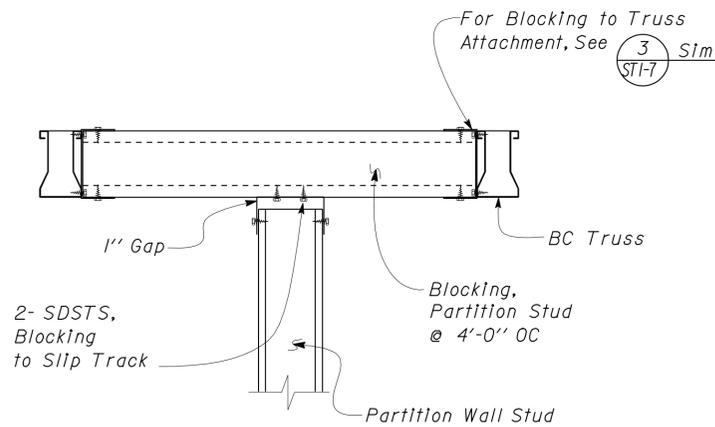
REGISTERED PROFESSIONAL ENGINEER
 Dai Lu
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA



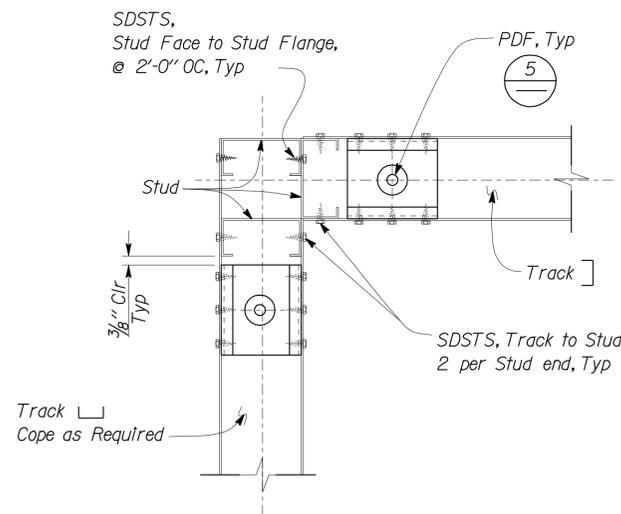
1 STUD BLOCKING ELEVATION
No Scale



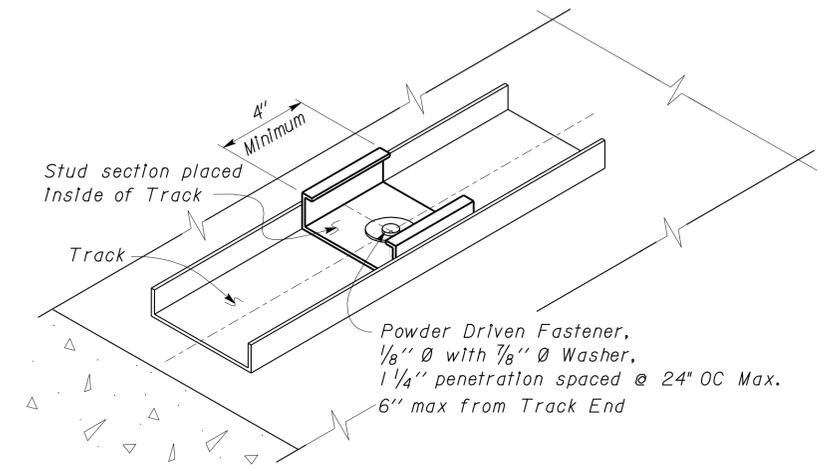
3 PARTITION WALL TO PERPENDICULAR TRUSS
No Scale



2 PARTITION WALL TO PARALLEL TRUSS
No Scale



4 PARTITION WALL CORNER PLAN
No Scale



5 SILL PLATE ANCHORAGE AT PARTITION WALL
No Scale

Notes

1. Powder Driven Fasteners are used along Partition Wall layout only.
2. Powder Driven Fastener shall have an Allowable Shear Capacity of 200 lb.
3. Powder Driven Fastener shall be submitted for Approval.

DESIGN BY Dai Lu CHECKED Justin Uyehara DETAILS BY David Good CHECKED Justin Uyehara QUANTITIES BY _____ CHECKED _____	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734 POST MILE	WILLOWS MS OFFICE COLD FORMED STEEL DETAILS - WALLS	SHEET ST-3C OF _____
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3599 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES: 12-14-10		REVISION DATES (PRELIMINARY STAGE ONLY)

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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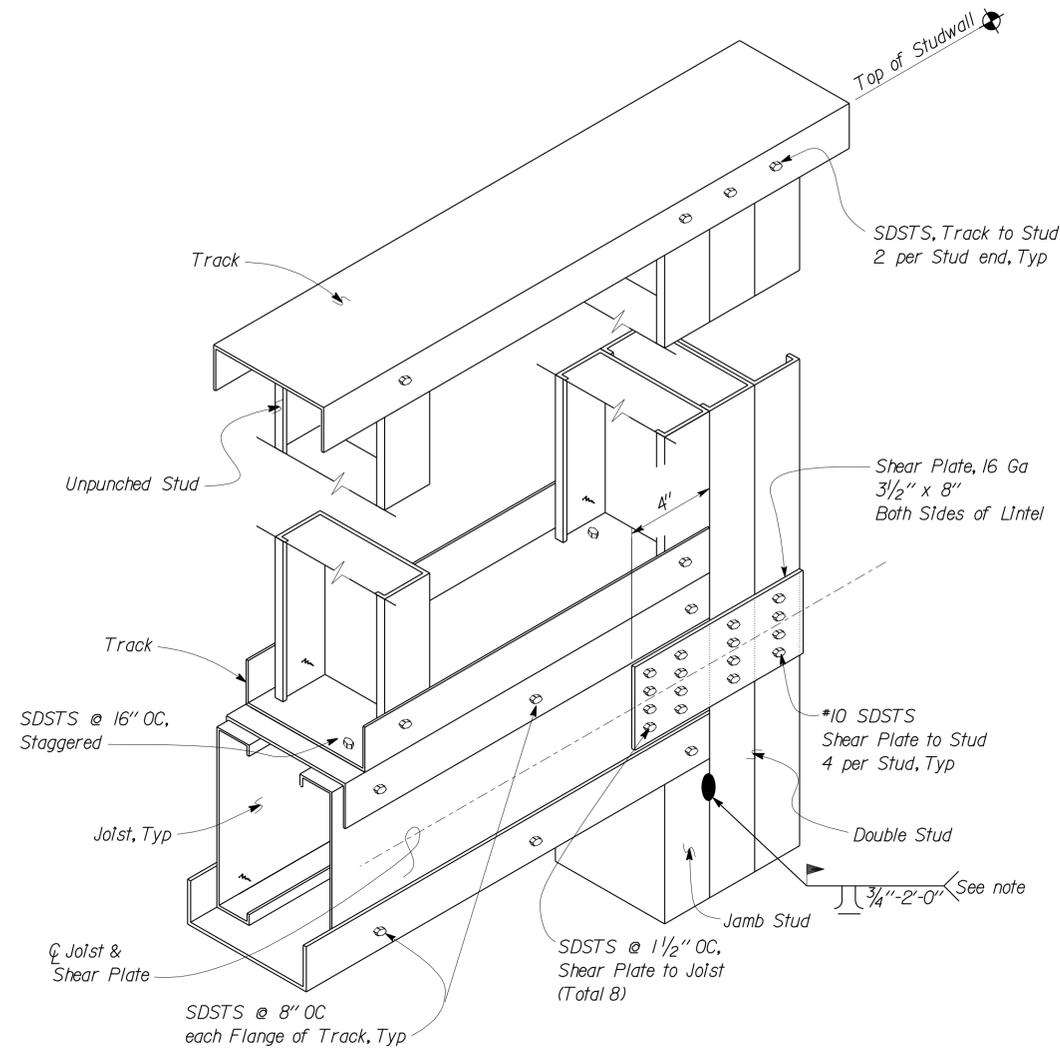
Dai Lu
REGISTERED CIVIL ENGINEER

09-16-10
DATE

REGISTERED PROFESSIONAL ENGINEER
Dai Lu
No. 67416
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

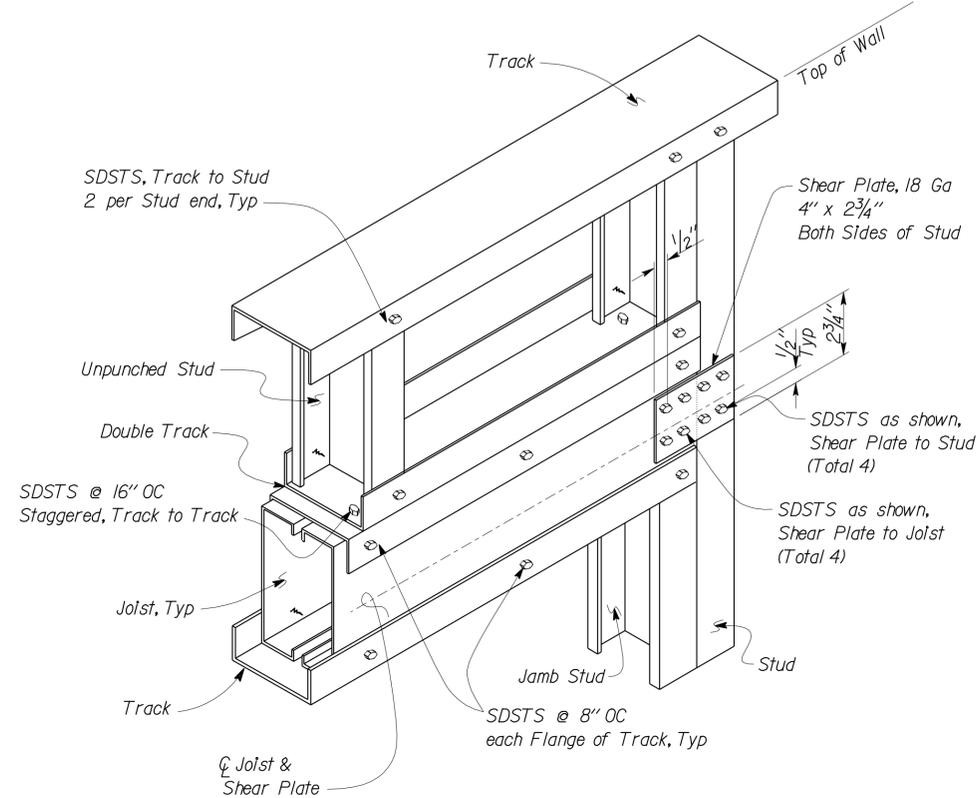
2-22-11
PLANS APPROVAL DATE

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WELD NOTE:
Weld Flange Edge both sides.

1 BEARING WALL LINTEL
No Scale



2 PARTITION WALL LINTEL
No Scale

Note:
See Architectural Plans for locations.

DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL
AND
STRUCTURAL DESIGN

BRIDGE NO.	5734
POST MILE	

WILLOWS MS OFFICE
COLD FORMED STEEL DETAILS - WALLS

SHEET
ST-3D



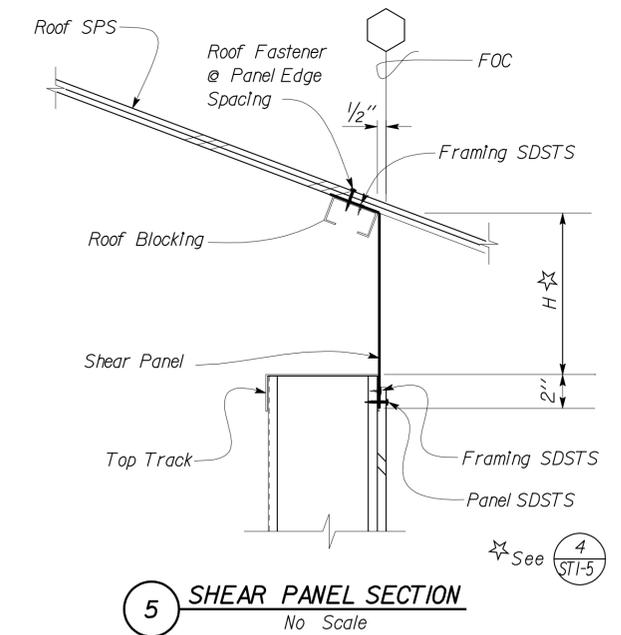
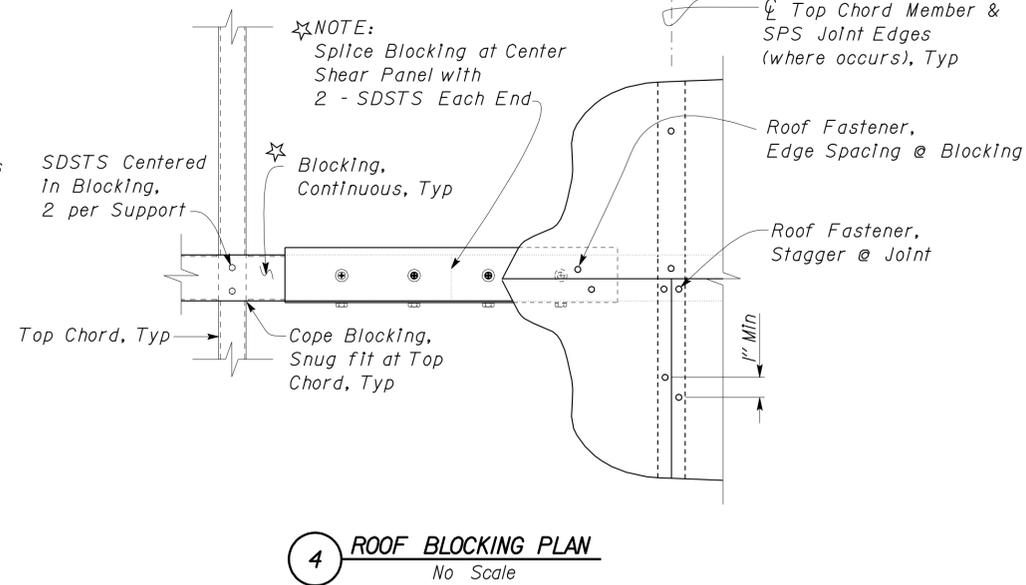
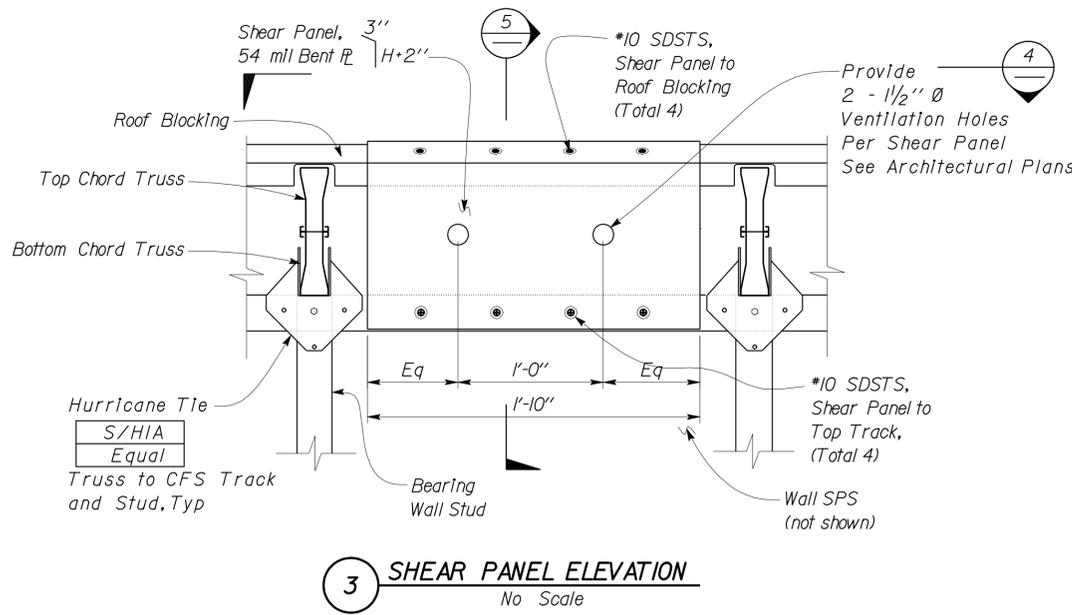
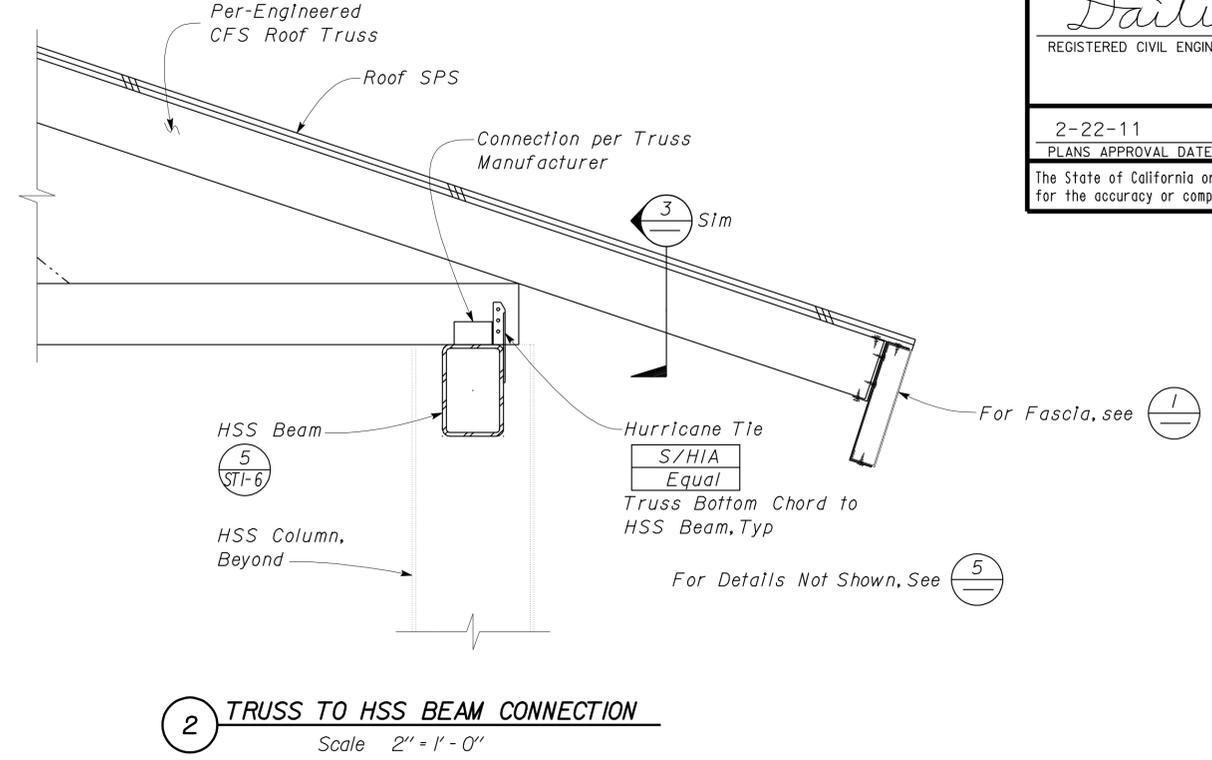
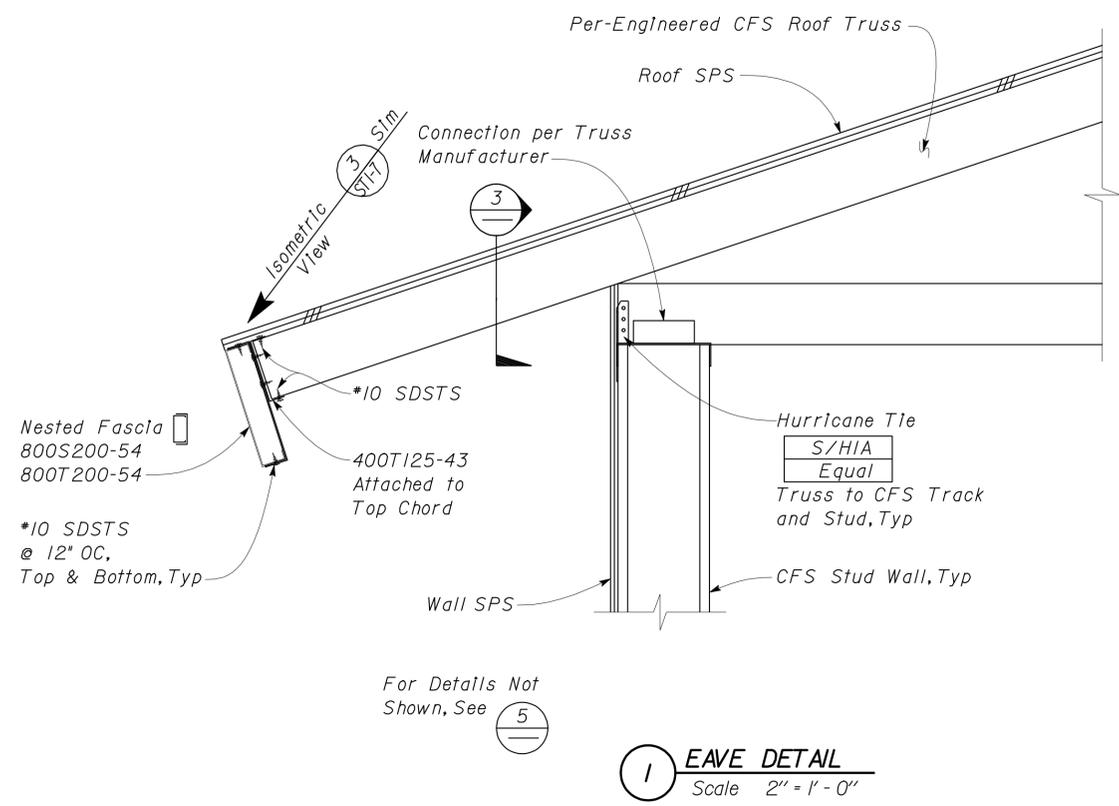
REVISION DATES (PRELIMINARY STAGE ONLY)	
12-14-10	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		37	67

Dai Lu
REGISTERED CIVIL ENGINEER
09-16-10 DATE
2-22-11 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Dai Lu
No. 67416
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

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DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5734
POST MILE

WILLOWS MS OFFICE
COLD FORMED STEEL DETAILS - ROOF

SHEET ST-3E

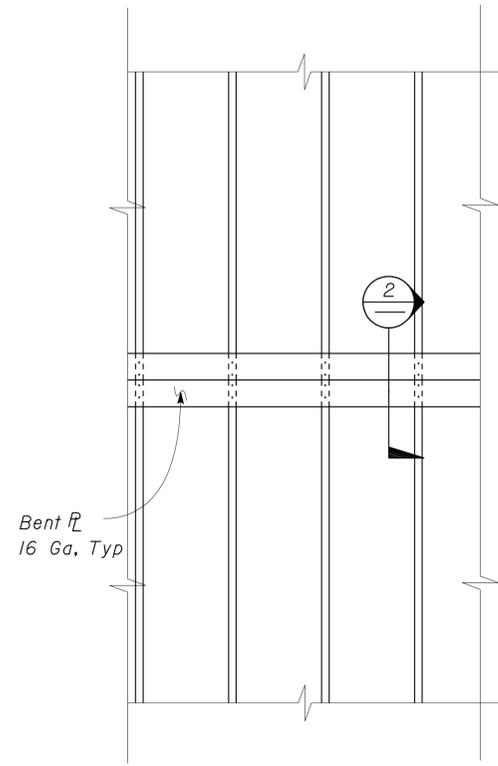
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dai Lu
REGISTERED CIVIL ENGINEER
09-16-10
DATE

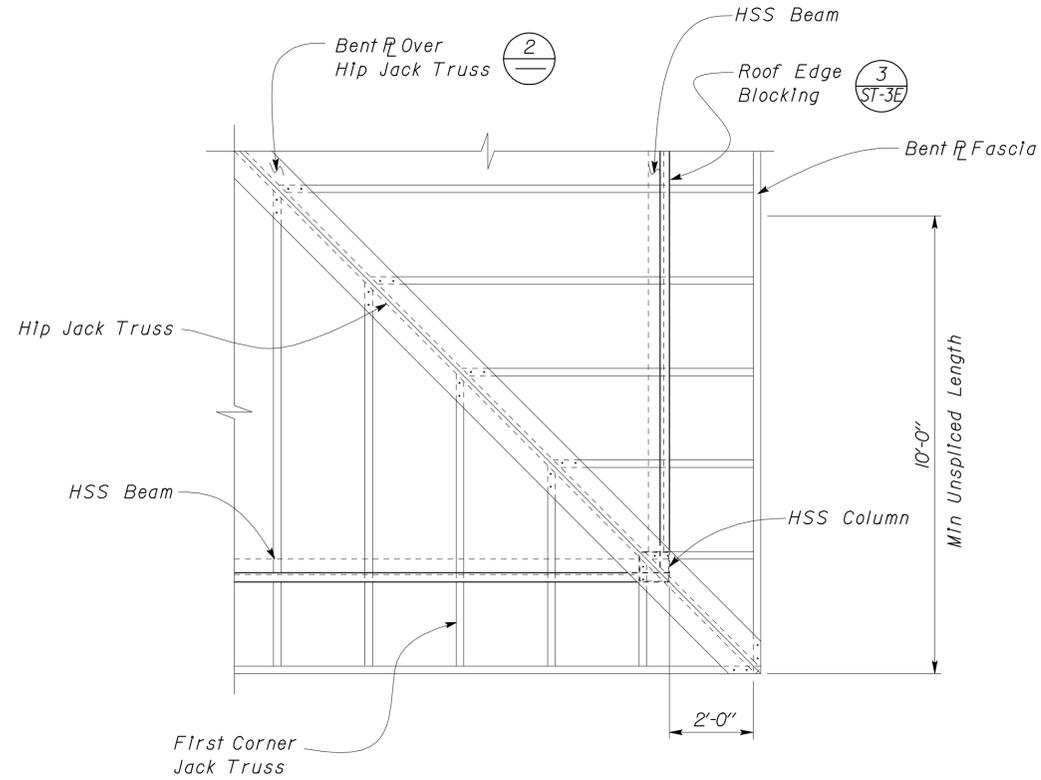
2-22-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Dai Lu
No. 67416
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

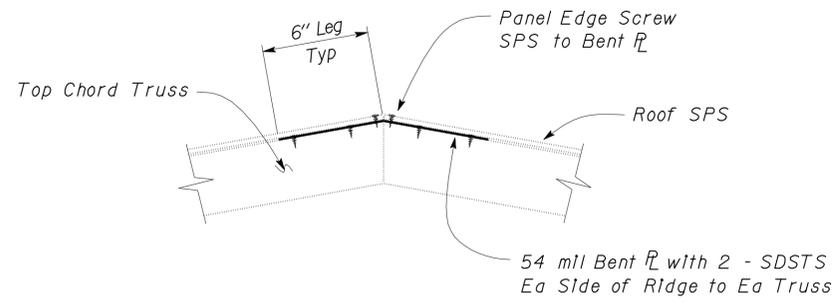
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1 ROOF PANEL EDGE SUPPORT
Scale 1/2" = 1' - 0"



3 CORNER FRAMING AT OVERHANG
Scale 1/2" = 1' - 0"



2 BENT PLATE AT HIP OR RIDGE
Scale 2" = 1' - 0"

DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5734
POST MILE	

WILLOWS MS OFFICE
COLD FORMED STEEL DETAILS - ROOF

SHEET ST-3F



DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Gle	5734		39	67

9-15-10
 REGISTERED CIVIL ENGINEER
 Mark Hagy
 No. GE 2838
 Exp. 12-31-10
 PLANS APPROVAL DATE
 2-22-11

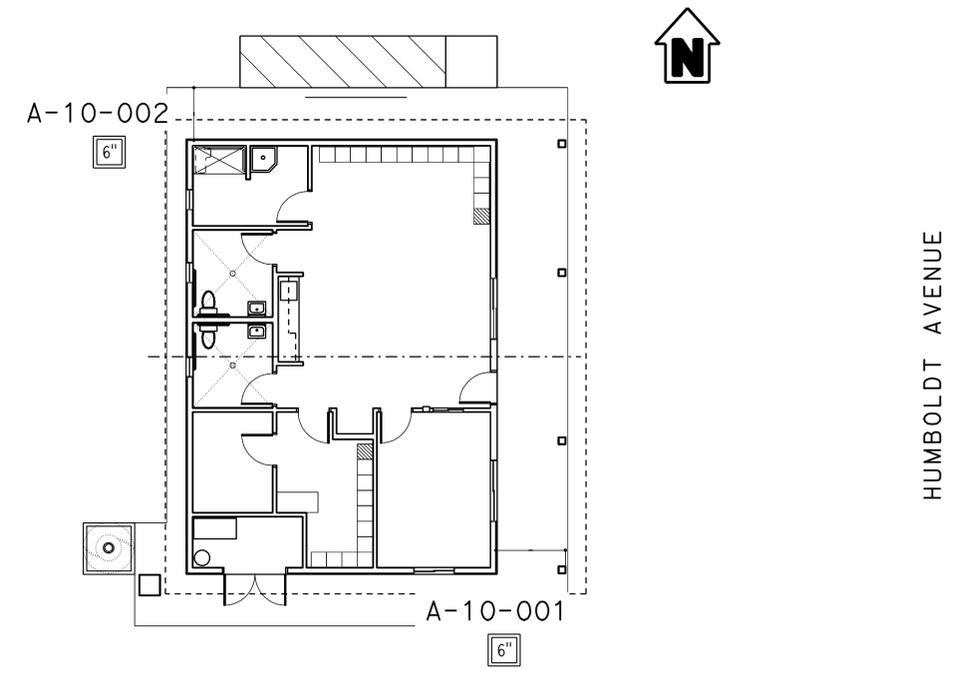
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REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 GEOTECHNICAL

This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (June 2010).

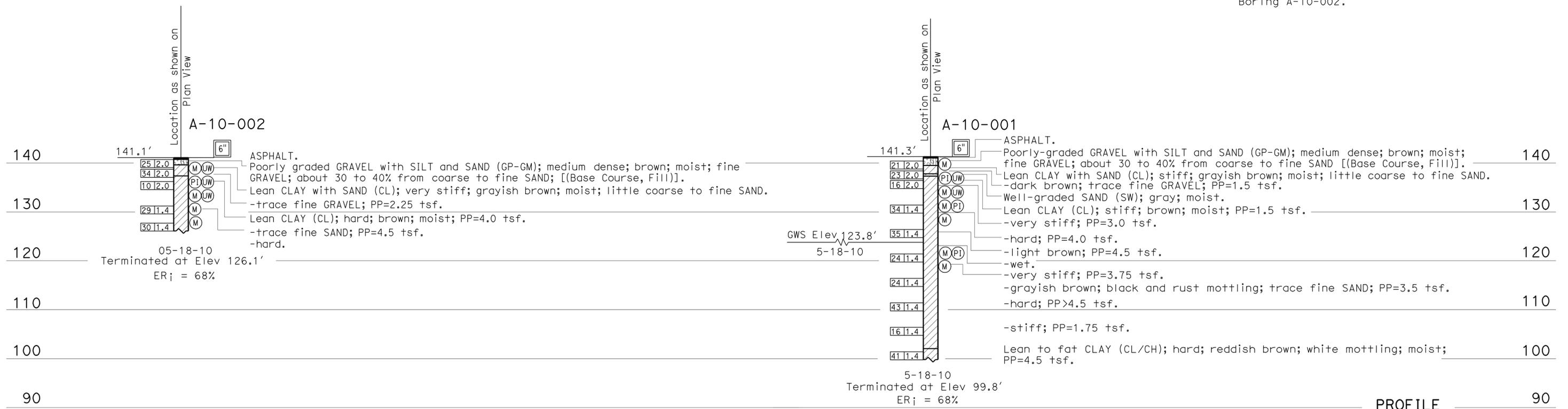
BENCH MARK

P-K nail and washer in concrete
 Northing 2319281.371
 Easting 6501642.134
 Elev 143.182 feet
 Horizontal Datum NAD83
 Vertical Datum NVGD29



PLAN
Not to Scale

NOTE: Ground water not encountered in Boring A-10-002.



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

ENGINEERING SERVICES		GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		WILLOWS MS OFFICE	
FUNCTIONAL SUPERVISOR		DRAWN BY: I.G-Remmen, 8/10		DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN		5734		LOG OF TEST BORINGS 1 OF 3	
NAME: D. Brittsan		CHECKED BY: C. Zhen		FIELD INVESTIGATION BY: M. Hagy		DESIGN BRANCH		POST MILES			
06S CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		UNIT PROJECT NUMBER & PHASE 3657 03000200001		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES SHEET OF	

USERNAME => s135318 DATE PLOTTED => 25-FEB-2011 TIME PLOTTED => 09:57

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Gle	5734		40	67

9-15-10
REGISTERED CIVIL ENGINEER

2-22-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mark Hagy
No. GE 2838
Exp. 12-31-10
STATE OF CALIFORNIA
GEOTECHNICAL

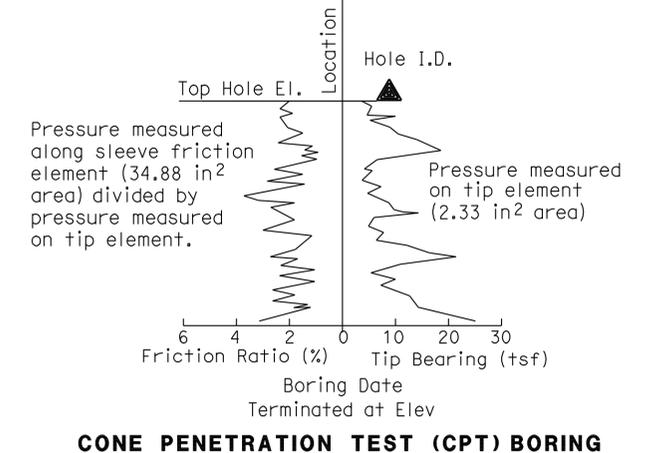
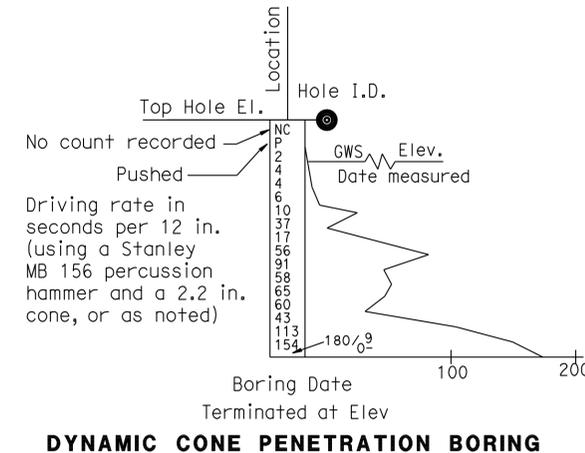
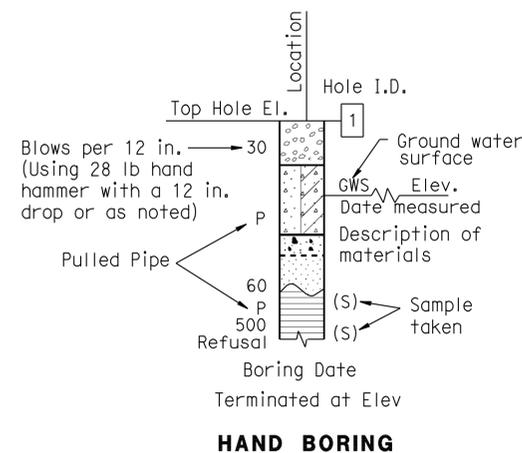
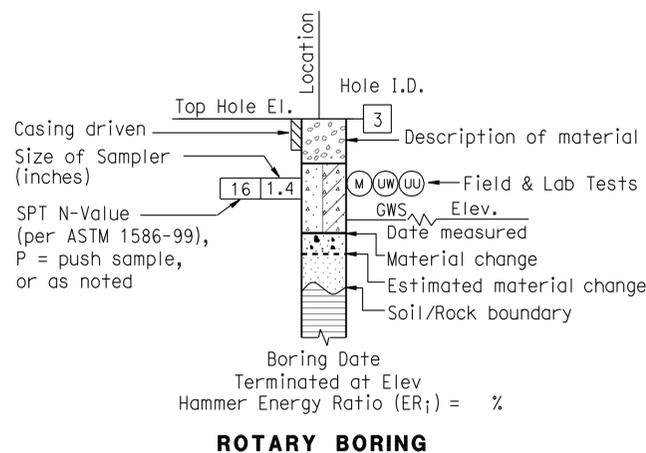
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CEMENTATION	
Description	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

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

Note: Size in inches.

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



ENGINEERING SERVICES	GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH	BRIDGE NO. 5734 POST MILE	WILLOWS MS OFFICE LOG OF TEST BORINGS 2 OF 3
	PREPARED BY: I.G-Remmen, 9/10				
GS LOTB SOIL LEGEND	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3657 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES

FILE => st_Log_02_of_03.dgn

USERNAME => s135318 DATE PLOTTED => 25-FEB-2011 TIME PLOTTED => 09:57

9-15-10

REGISTERED CIVIL ENGINEER

2-22-11

PLANS APPROVAL DATE

Mark Hagy
No. GE 2838
Exp. 12-31-10

* REGISTERED PROFESSIONAL ENGINEER *
* GEOTECHNICAL *
STATE OF CALIFORNIA

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GROUP SYMBOLS AND NAMES			
Graphic/Symbol	Group Names	Graphic/Symbol	Group Names
	GW Well-graded GRAVEL		CL Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
	GP Poorly-graded GRAVEL Poorly-graded GRAVEL with SAND		
	GW-GM Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND		CL-ML SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
	GW-GC Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
	GP-GM Poorly-graded GRAVEL with SILT Poorly-graded GRAVEL with SILT and SAND		ML SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
	GP-GC Poorly-graded GRAVEL with CLAY (or SILTY CLAY) Poorly-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
	GM SILTY GRAVEL SILTY GRAVEL with SAND		OL ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
	GC CLAYEY GRAVEL CLAYEY GRAVEL with SAND		
	GC-GM SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND		OL ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
	SW Well-graded SAND Well-graded SAND with GRAVEL		
	SP Poorly-graded SAND Poorly-graded SAND with GRAVEL		CH Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
	SW-SM Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL		
	SW-SC Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		MH Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
	SP-SM Poorly-graded SAND with SILT Poorly-graded SAND with SILT and GRAVEL		
	SP-SC Poorly-graded SAND with CLAY (or SILTY CLAY) Poorly-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		OH ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
	SM SILTY SAND SILTY SAND with GRAVEL		
	SC CLAYEY SAND CLAYEY SAND with GRAVEL		OH ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY ORGANIC elastic SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
	SC-SM SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL		
	PT PEAT		OL/OH ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

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

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

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

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

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

ENGINEERING SERVICES	GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH	BRIDGE NO. 5734	WILLOWS MS OFFICE LOG OF TEST BORINGS 3 OF 3
	PREPARED BY: I.G-Remmen, 9/10			POST MILE	
GS LOTB SOIL LEGEND	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3657 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET OF

FILE => st_Log_03_of_03.dgn

PROJECT DESIGN CRITERIA

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

MATERIALS CONTINUED

LOADS

SEISMIC: Occupancy Category = II
 Importance Factor I = 1.0
 Site Soil Class = D
 $S_S = 0.722$ $S_{DS} = 0.589$
 $S_I = 0.284$ $S_{DI} = 0.347$
 Seismic Design Category = D
Seismic Force-Resisting System:

North - South

$R = 6.50$ $C_S = 0.0906$

East - West

$R = 6.50$ $C_S = 0.0906$

WIND: Basic Wind Speed = 85 mph I = 1.0
 $\lambda = 1.21$ Exposure = C
 $K_{zt} = 1.0$

LIVE LOAD: Roof = 20 psf

WOOD STRUCTURAL PANEL NOTES

- Wood Structural Panels shall be conform to the Requirements for their Type in Voluntary Product Standard PS 1-07 or PS 2-04. Panels shall be Factory-Marked Indicating Compliance with Grade Requirements. The Durability Classification shall be Exposure 1.
- UON, Bearing and exterior walls shall be sheathed with 15/32" CDX Exposure 1 Plywood Panels with 32/16 Span Rating. See Shearwall schedule for sheathing requirements.
- All Exterior Wall Panels shall be Installed with Strength Axls Placed Horizontally. All Panel Edges shall be Blocked.
- UON, All roofs shall be sheathed with 15/32" CDX Exposure 1 Plywood Panels with 32/16 Span Rating.
- Plywood for 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.
- UON, Panel Screws shall be min #10 Modified Truss reamer point with a 5/16" min Head Dia Maximum Spacing shall be 6" at Panel Edges and 12" at Intermediate Supports (Field Screws). See Shearwall Schedule for other Screw Size and Spacing Requirements.
- Prior to Installation, Panels shall be protected from Exposure to Weather and Moisture. Provide Air Circulation around Tarp-Covered Stacks.

MATERIALS

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

STRUCTURAL STEEL: (Allowable Strength Design):
 Channels, Angles & Misc. Shapes $F_y = 36$ ksi
 Hollow Structural Section (HSS) $F_y = 46$ ksi
 Weld Electrodes $F_y = 70$ ksi

COLD FORMED STEEL: Thickness ≤ 43 mil $F_y = 33$ ksi
 Thickness > 43 mil $F_y = 50$ ksi

FOUNDATION:
 Foundation report dated : August 18, 2010
 Allowable Soil Pressure (DL + LL) : = 2,250 psf

For Soil Classification, see Log of Test BorIng Sheets.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		42	67

Dai Lu 09-16-10
 REGISTERED CIVIL ENGINEER DATE

2-22-11
 PLANS APPROVAL DATE

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DESIGN BY Dai Lu	CHECKED Justin Uyehara	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5734	WILLOWS MS OFFICE DESIGN CRITERIA AND DETAIL NOTES	SHEET ST1-0
DETAILS BY David Good	CHECKED Justin Uyehara		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		
QUANTITIES BY	CHECKED		PROJECT NUMBER & PHASE 03000200001	REVISION DATES (PRELIMINARY STAGE ONLY)		12-14-10

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3599 03000200001 DISREGARD PRINTS BEARING EARLIER REVISION DATES

EA 3E4401 s11_00.dgn

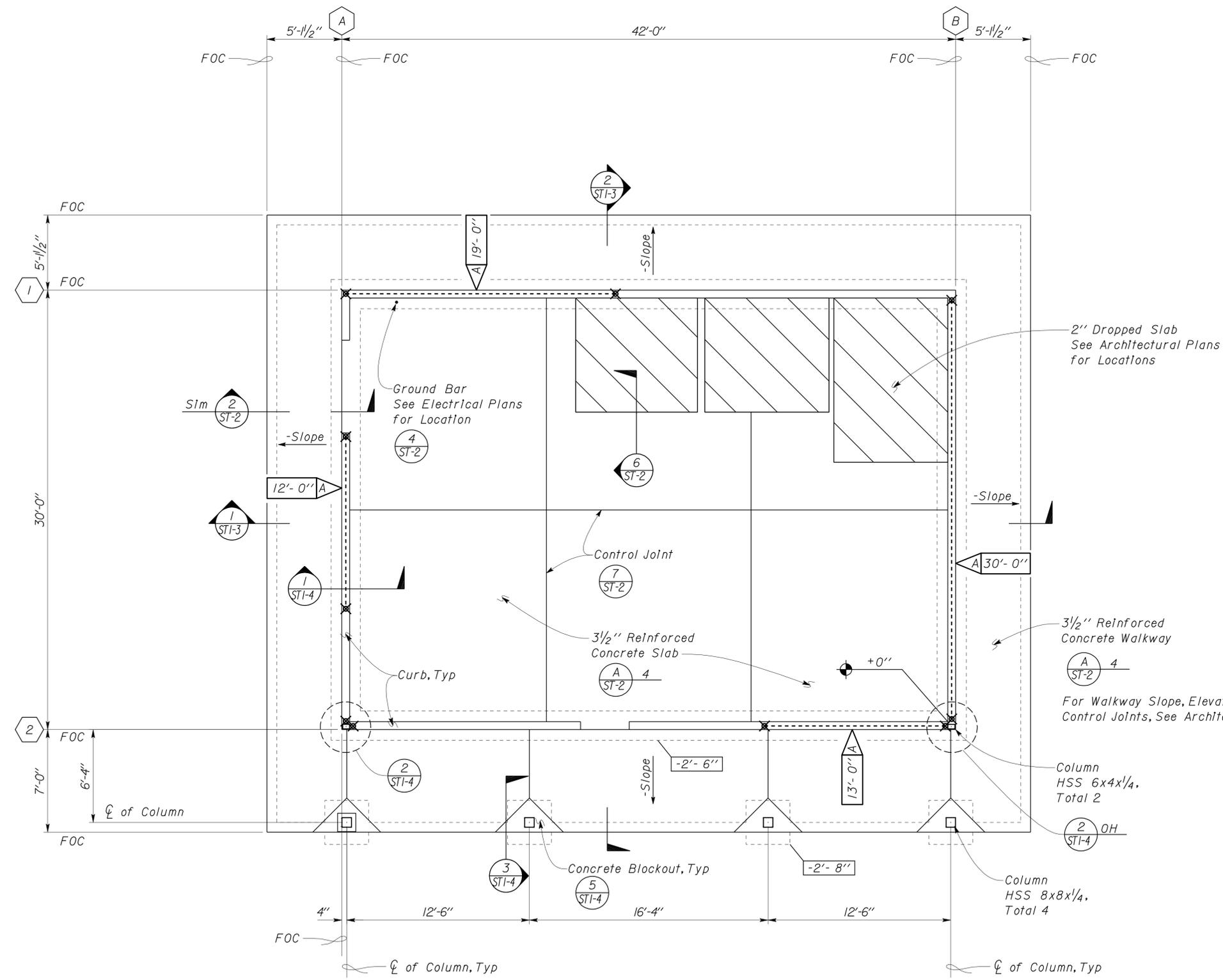
28-FEB-2011 14:41

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE

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A SHEARWALL SCHEDULE

Shearwall	Screw Schedule		Holddown	Holddown Anchorbolt
	Edge Screw	Field Screw		
A	6" OC	12" OC	S/HD8S TDBS	7/8" Ø x 32"

1. See (1) ST-3A for Typical Shear Wall Detail
2. Bottom Track shall not be spliced within shear wall.
3. Shearwall lengths shown are minimum.
4. X Indicates holddown

1 FOUNDATION PLAN
 Scale 1/4" = 1'-0"

Elevation 143.17' = Datum 0'-0"

DESIGN ENGINEER

DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

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

BRIDGE NO. 5734
 POST MILE

WILLOWS MS OFFICE
 FOUNDATION PLAN

SHEET ST1-1

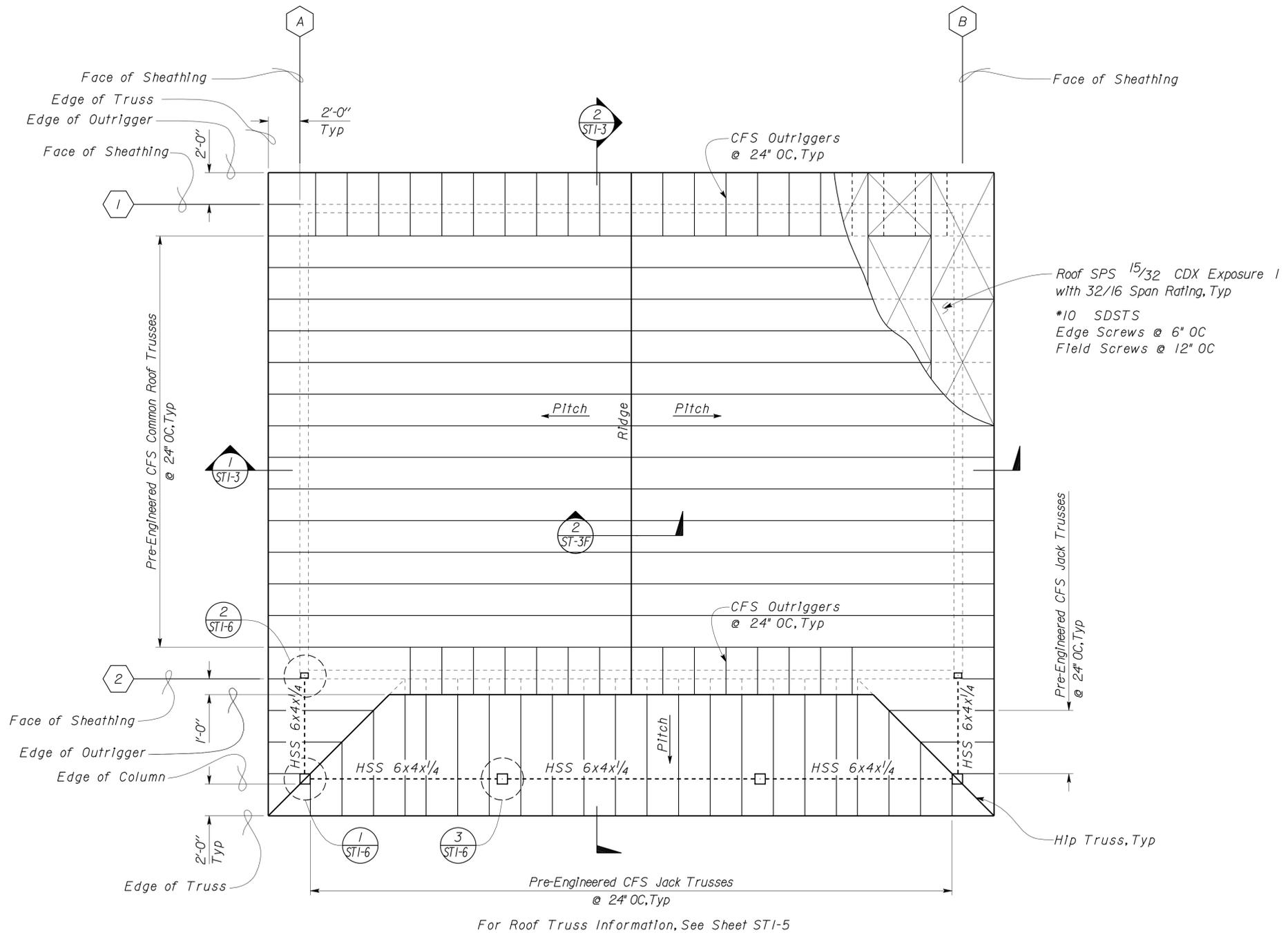
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03	Gle	5734		44	67

Dai Lu
 REGISTERED CIVIL ENGINEER
 09-16-10
 DATE

REGISTERED PROFESSIONAL ENGINEER
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE

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ABBREVIATION

CFS Cold-Formed Steel

1 ROOF FRAMING PLAN
 Scale 1/4" = 1'-0"

For Roof Truss Information, See Sheet ST1-5

DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5734	WILLOWS MS OFFICE	SHEET ST1-2
POST MILE		ROOF FRAMING PLAN

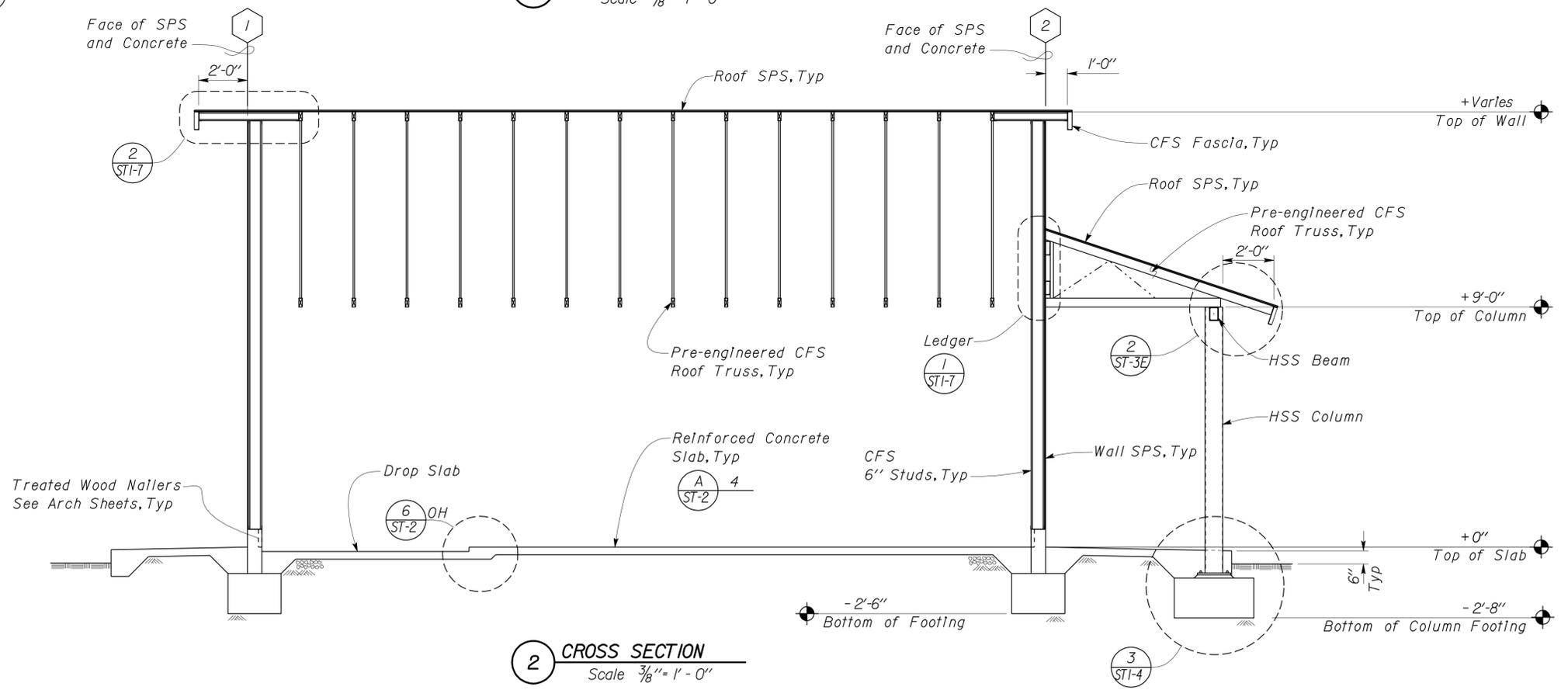
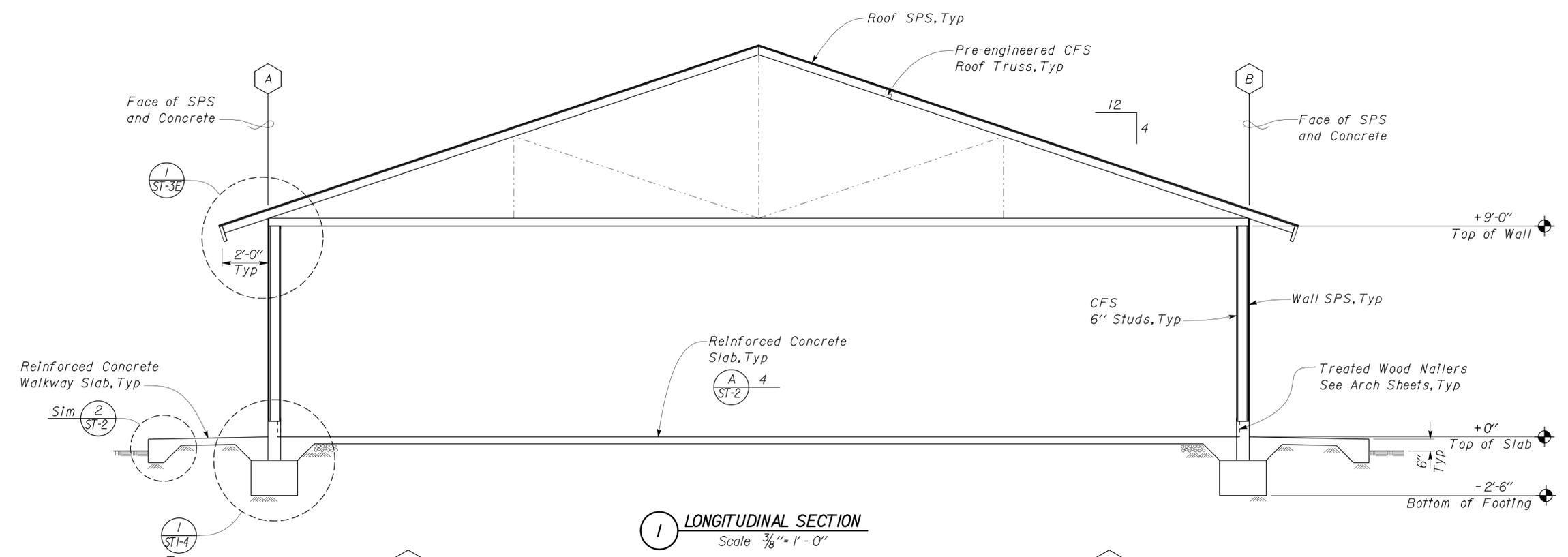
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		45	67

Dai Lu
REGISTERED CIVIL ENGINEER
09-16-10 DATE

REGISTERED PROFESSIONAL ENGINEER
Dai Lu
No. 67416
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

2-22-11
PLANS APPROVAL DATE

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DESIGN	BY	Dai Lu	CHECKED	Justin Uyehara	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	5734	WILLOWS MS OFFICE BUILDING SECTIONS	SHEET	ST1-3		
	DETAILS	BY	David Good	CHECKED			Justin Uyehara	POST MILE			REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
	QUANTITIES	BY		CHECKED				UNIT		3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	12-14-10	

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

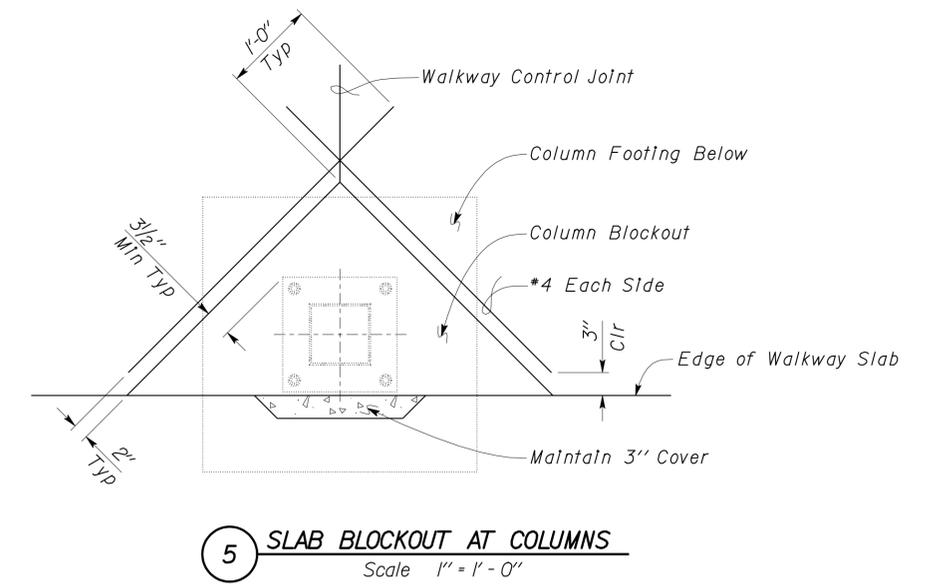
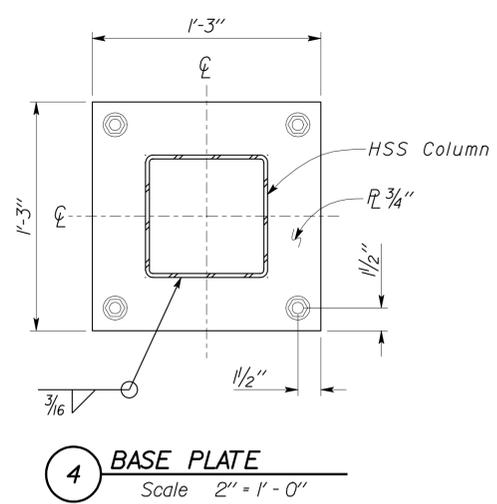
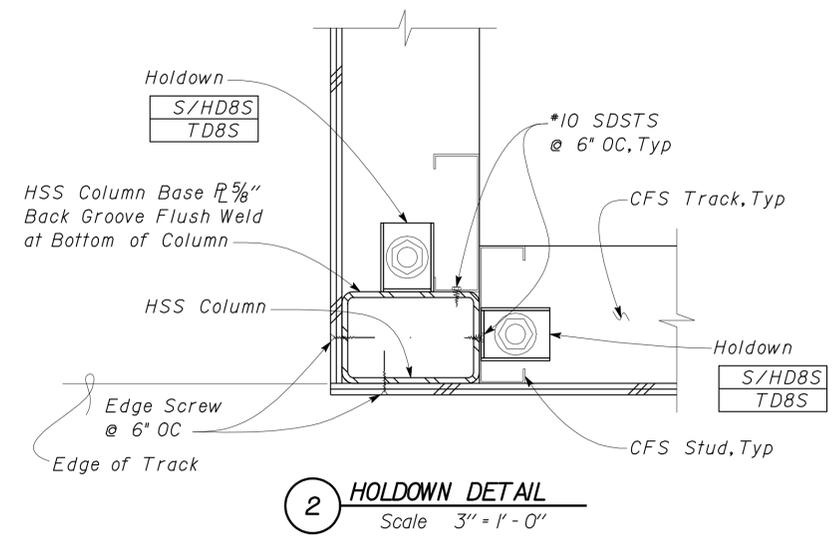
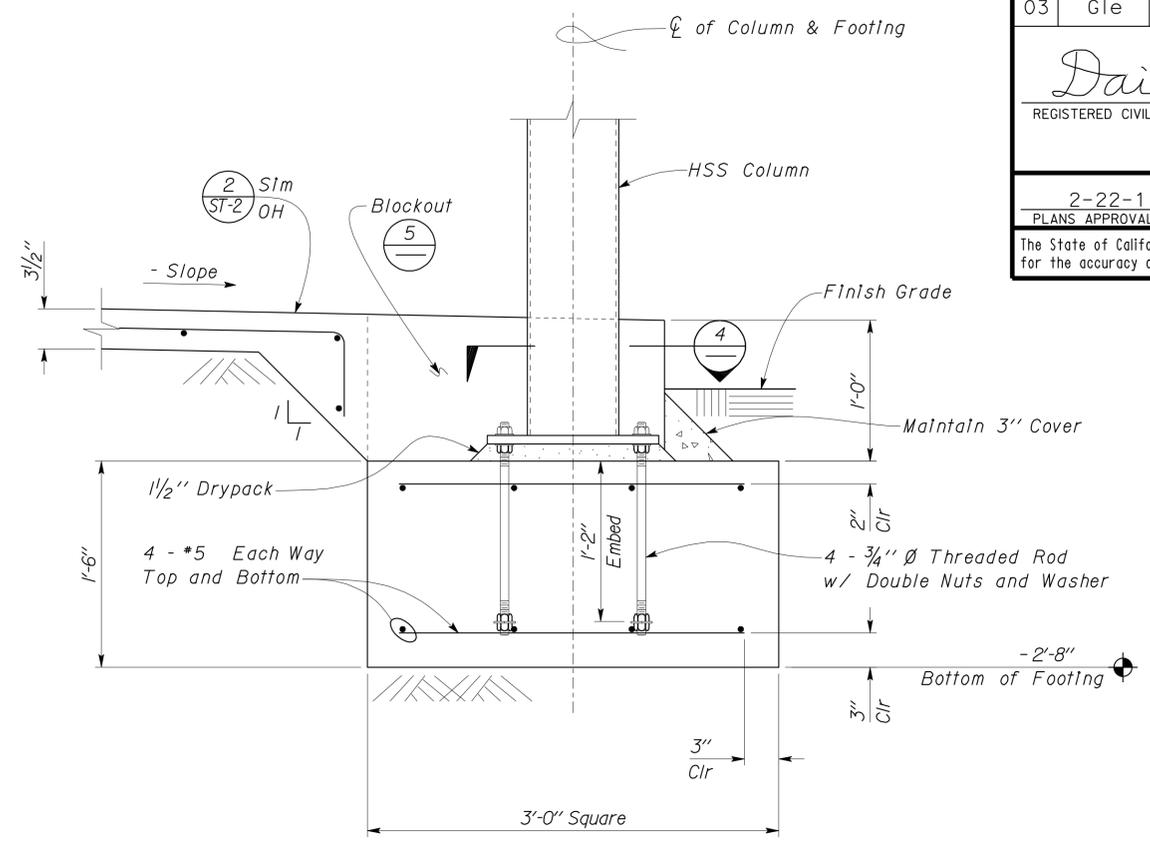
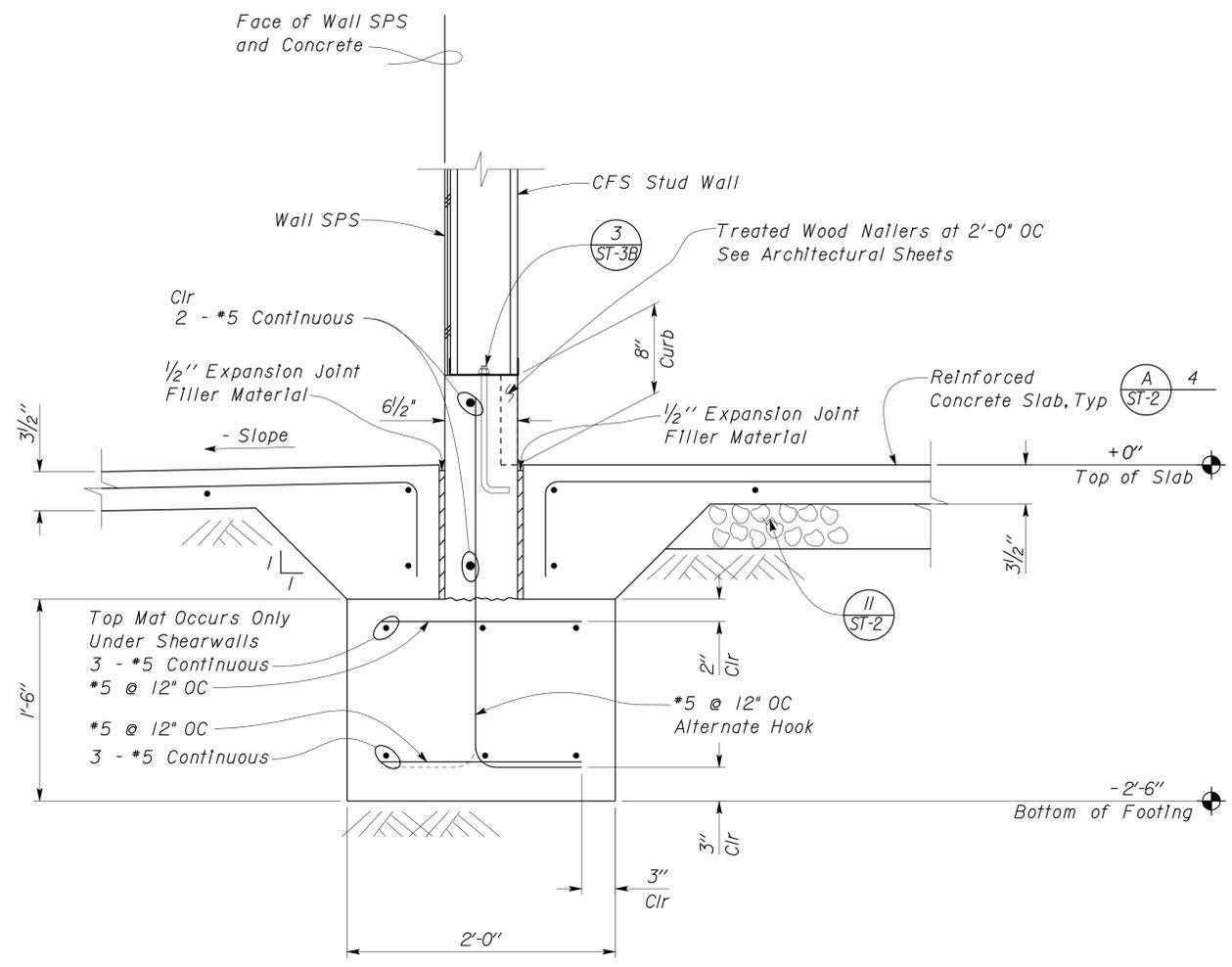
PROJECT NUMBER & PHASE: EA 3E4401

TAEMWW Imperial Rev. 7/10

28-FEB-2011 14:41

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Dai Lu REGISTERED CIVIL ENGINEER No. 67416 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA			09-16-10 DATE	2-22-11 PLANS APPROVAL DATE	
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DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5734
POST MILE	

WILLOWS MS OFFICE
FOUNDATION DETAILS

SHEET ST1-4

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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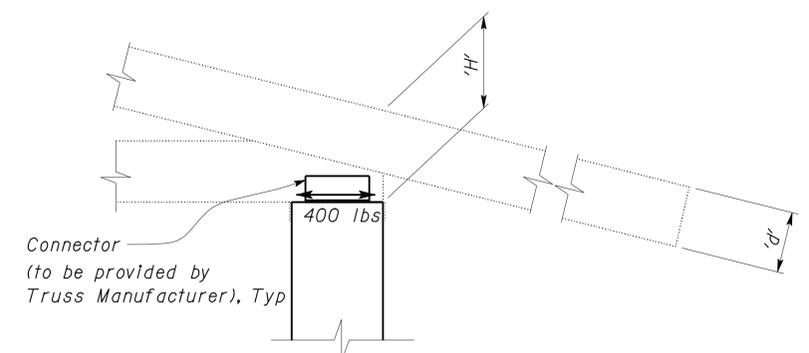
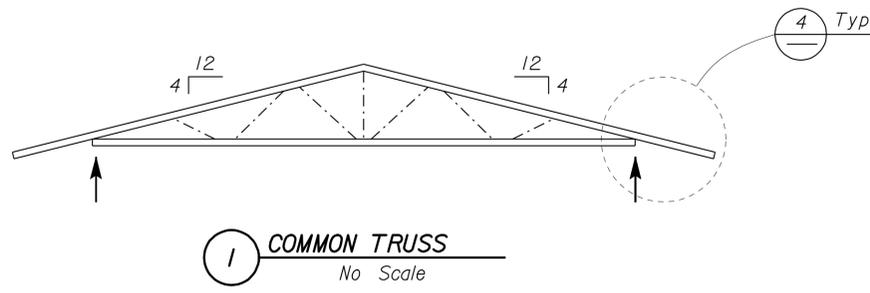
Dai Lu
REGISTERED CIVIL ENGINEER

09-16-10
DATE

REGISTERED PROFESSIONAL ENGINEER
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

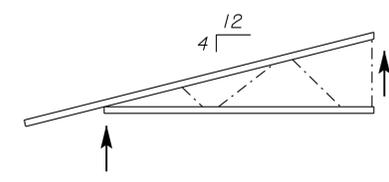
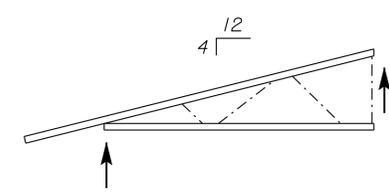
2-22-11
PLANS APPROVAL DATE

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NOTES:
 1. 'H' shall be between 4 and 9 inches.
 2. 'd' shall be 4 inches.
 3. Connector shall be fastened to Wall Top Track 3 SDSTS on each side of Truss.

4 BEARING SEAT DETAIL
No Scale



A PRE-ENGINEERED CFS TRUSS REQUIREMENTS

LOADS:	Dead Load	Live Load	Wind Load
Top Chord (Roof):	20 psf	20 psf	20 psf
Top Chord (Overhang):	20 psf	10 psf	33 psf
Top Chord (Overhang): Within 6' of corner	20 psf	10 psf	55 psf
Bottom Chord (Ceiling):	10 psf	10 psf (Non-Concurrent)	

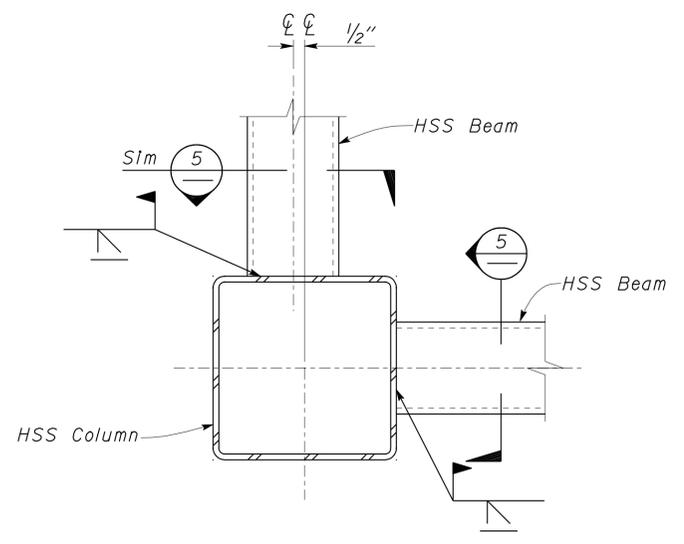
1. Maximum Allowable Deflection:
 Live Load ----- L/360
 Total Load ----- L/240
2. Camber shall equal Dead Load Deflection.
3. Trusses shall be comprised of 43 mil min cold-formed steel sections.
4. All materials used in Trusses shall be Galvanized.
5. Truss Design
 - a.) Trusses to be designed per 2007 CBC and AISI North American Standard for Cold-Formed Steel Framing - Truss Design, latest edition.
 - b.) All eccentricities shall be considered in joint and connection design.
 - c.) All truss-to-truss connections (Jack-to-hip, hip-to-girder, girder-to-girder, etc.) shall be designed and detailed by the truss manufacturer.
 - d.) All temporary and permanent bracing required for the stability of the trusses is to be designed and detailed by the truss manufacturer.
 - e.) Trusses shall be designed for dead, live, wind and seismic loads in combinations as required by CBC Chapter 16.
6. Truss web configurations and truss member sizes are diagrammatic only. Actual configurations and sizes are to be determined by the truss manufacturer.
7. ↑ denotes truss bearing locations.
8. Provide Connection Hardware to resist the Wind Loads shown above.

DESIGN BY Dai Lu CHECKED Justin Uyehara DETAILS BY David Good CHECKED Justin Uyehara QUANTITIES BY _____ CHECKED _____	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734 POST MILE	WILLOWS MS OFFICE ROOF TRUSS DIAGRAMS AND NOTES	SHEET ST1-5 OF _____
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3599 03000200001 EA 3E4401	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-14-10		REVISION DATES (PRELIMINARY STAGE ONLY)

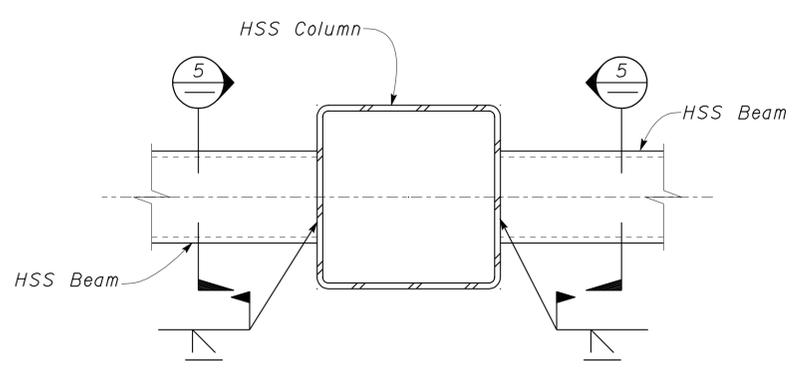
TAEMWW Imperial Rev. 7/10

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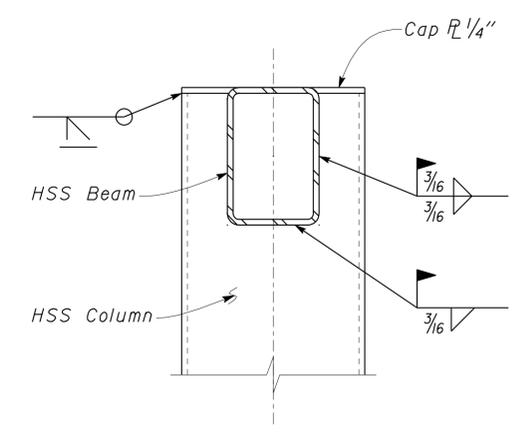
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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<i>Dai Lu</i> REGISTERED CIVIL ENGINEER DATE 09-16-10				REGISTERED PROFESSIONAL ENGINEER No. 67416 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA	
2-22-11 PLANS APPROVAL DATE					
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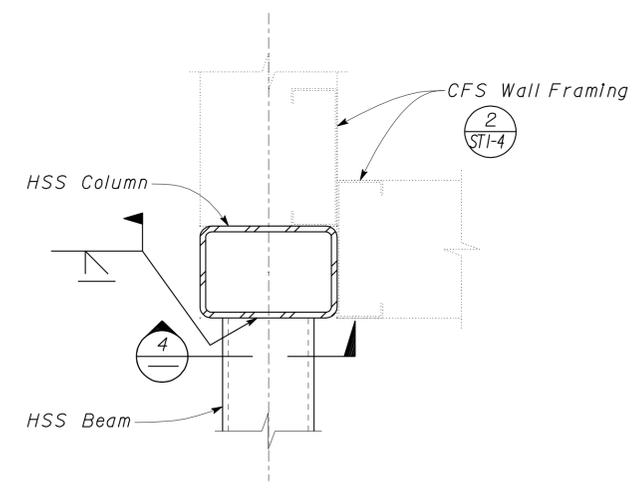
1 COLUMN TO BEAM CONNECTION
Scale 3" = 1' - 0"



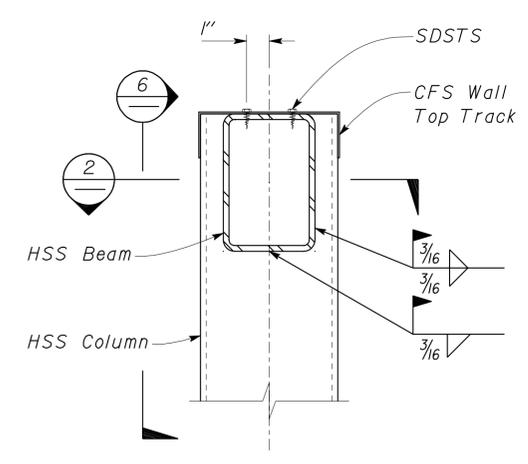
3 COLUMN TO BEAM CONNECTION
Scale 3" = 1' - 0"



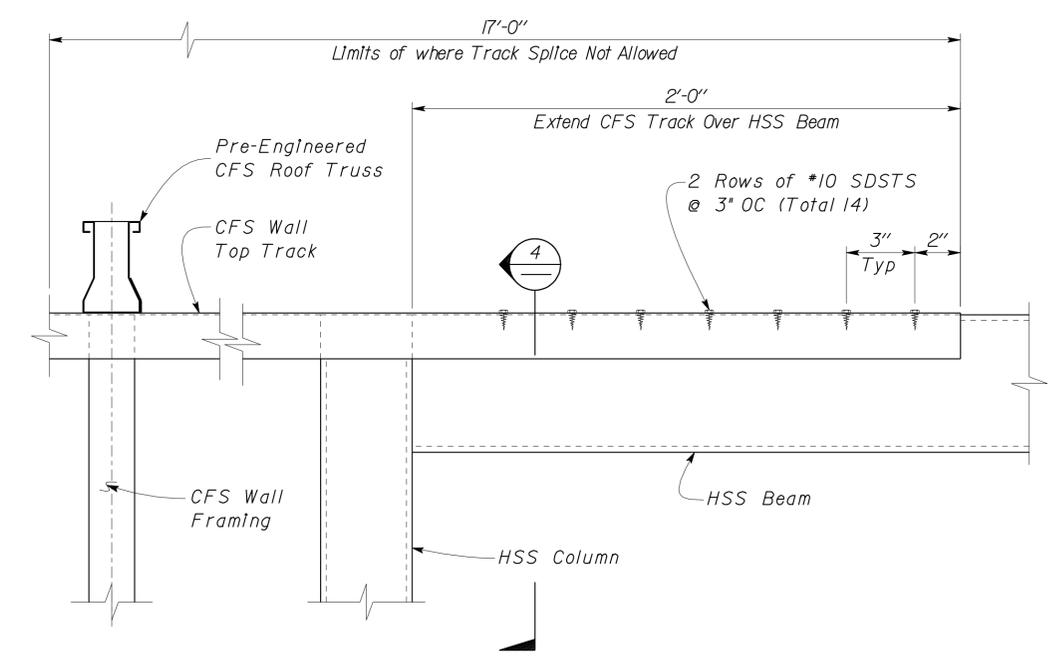
5 COLUMN TO BEAM CONNECTION
Scale 3" = 1' - 0"



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



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



6 CFS TRACK EXTENSION
Scale 3" = 1' - 0"

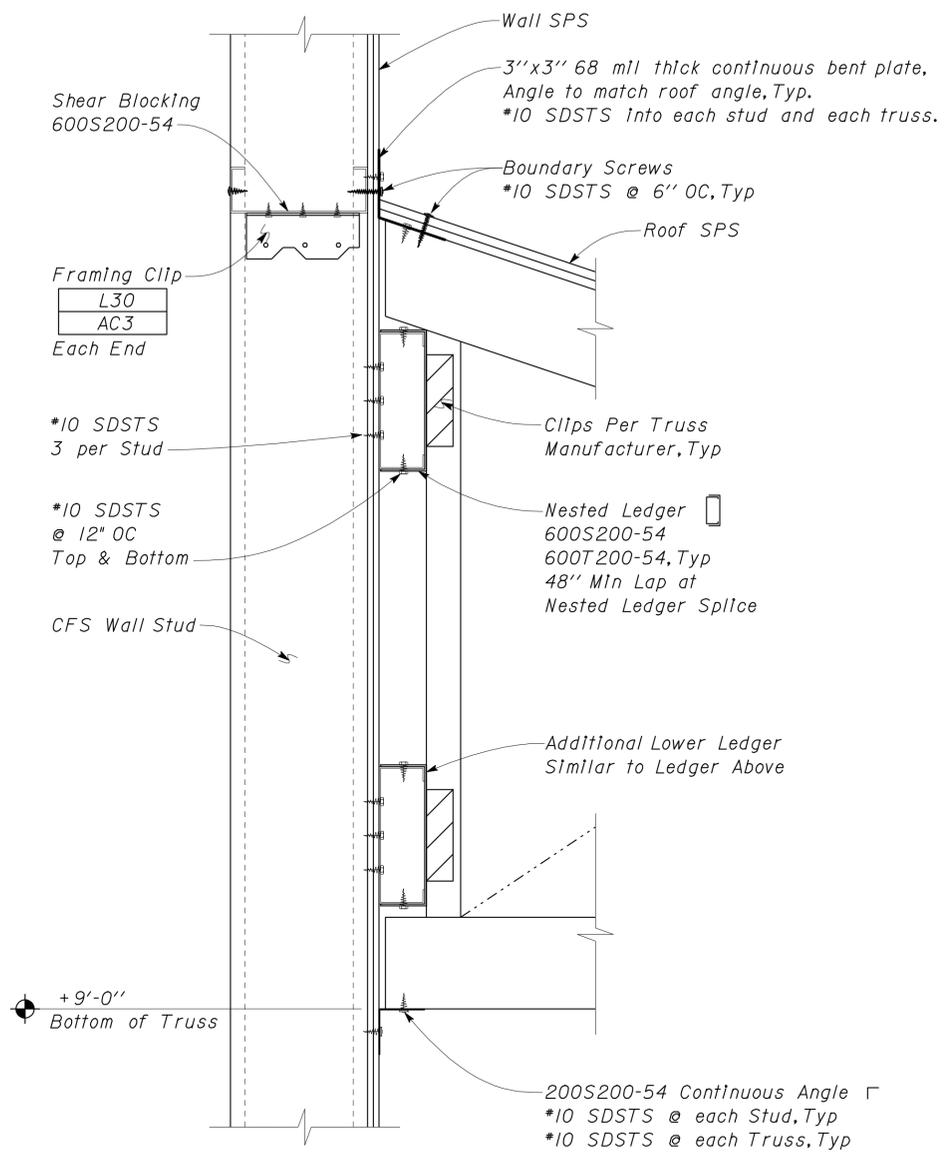
DESIGN	BY Dai Lu	CHECKED Justin Uyehara	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5734	WILLOWS MS OFFICE FRAMING DETAILS	SHEET ST1-6
	DETAILS	BY David Good			CHECKED Justin Uyehara		POST MILE
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3599 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	12-14-10	EA 3E4401

25-FEB-2011 09:39 st1_06.dgn

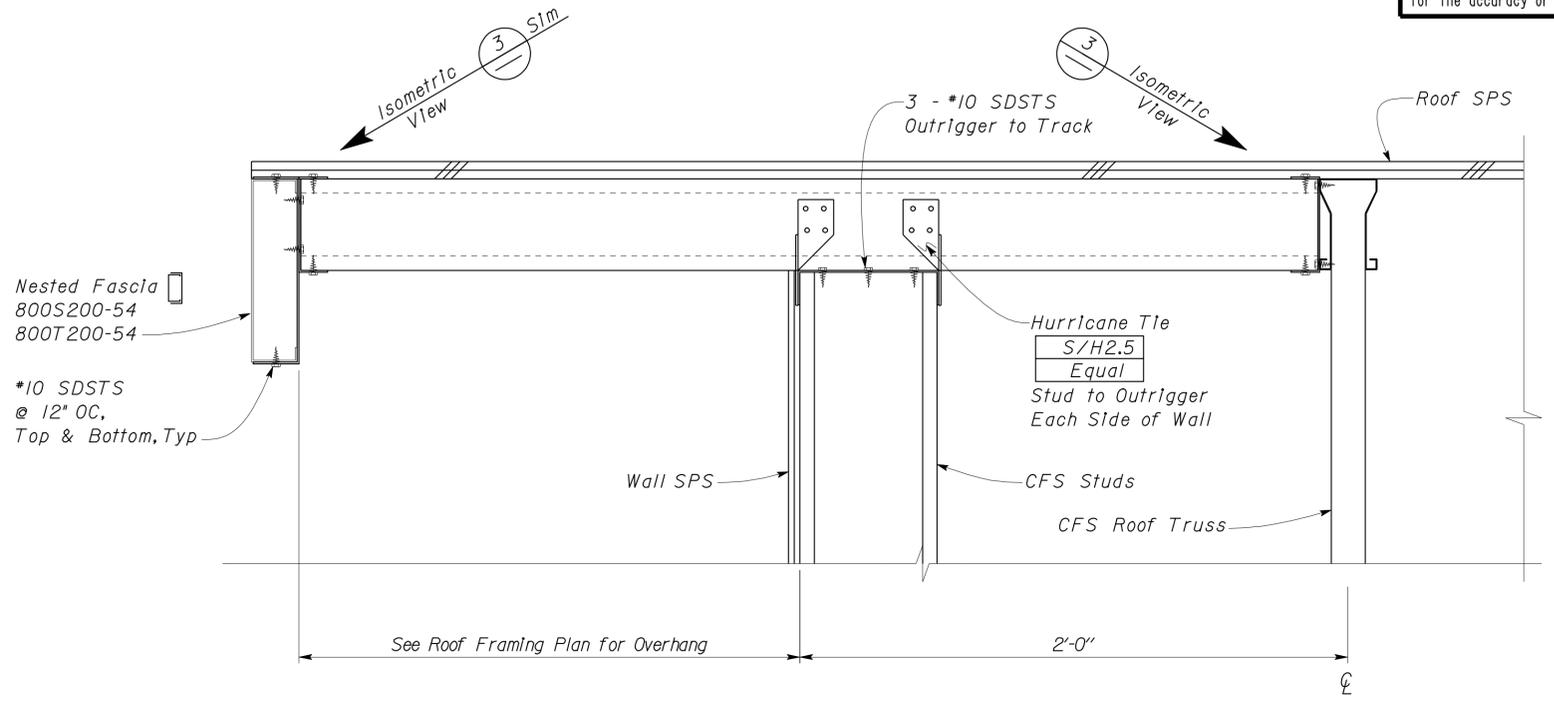
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		49	67

Dai Lu
 REGISTERED CIVIL ENGINEER
 DATE 09-16-10
 No. 67416
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

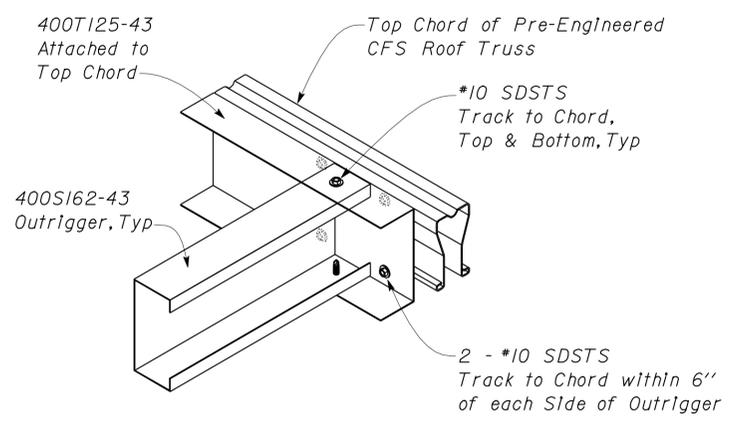
2-22-11
 PLANS APPROVAL DATE
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1 LEDGER DETAIL
 Scale 3" = 1' - 0"



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



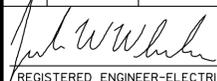
3 OUTRIGGER CONNECTION
 No Scale

DESIGN	BY Dai Lu	CHECKED Justin Uyehara
DETAILS	BY David Good	CHECKED Justin Uyehara
QUANTITIES	BY	CHECKED

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

BRIDGE NO.	5734	WILLOWS MS OFFICE
POST MILE		
FRAMING DETAILS		SHEET ST1-7

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		50	67

 12/15/10
 REGISTERED ENGINEER-ELECTRICAL DATE

2-22-11
 PLANS APPROVAL DATE

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PLUMBING

-----	Cold Water
—A—	Compressed Air
—G—	Gas
—D—	Equipment Drain
—F—	Fire Water
-----	Hot Water
-----	Hot Water Return
—LPG—	Liquified Petroleum Gas
—R—	Relief Valve Discharge Pipe
—SS—	Sanitary Sewer
-----	Sanitary Sewer (above grade)
-----	Sanitary Sewer (below grade)
-----	Sanitary Sewer Vent

PIPE FITTINGS AND VALVES

—E—	Cap, Threaded
—G—	Elbow, Turned Down
—O—	Elbow, Turned Up
—△—	Reducer, Concentric
—⊙—	Pressure Gauge (with Valve and Snubber)
— —	Strainer
— —	Union
— —	Union, Insulating
— —	Valve, Ball
— —	Valve, Check
— —	Valve, Gas
— —	Valve, Gate
— —	Valve, Safety Relief
— —	Valve, Pressure Reducing
— —	Valve, Pressure/Temperature Relief
— —	Water Hammer Arrestor

MECHANICAL ABBREVIATIONS:

A/C	Air Conditioning	GA	Gauge	R	Radius
ABS	Acrylonitrile Butadiene Styrene	GALV	Galvanized	REG	Register
AC	Air Compressor	GLV	Globe Valve	RA	Return Air
AD	Air Drop	GPM	Gallons Per Minute	RCP	Reinforced Concrete Pipe
AP	Alternative Pipe	GSP	Galvanized Steel Pipe	REQ	Required
ATF	Automatic Transmission Fluid	GV	Gate Valve	RH	Radiant Heater
AWG	American Wire Gauge	GWH	Gas Water Heater	RV	Relief Valve
		GYP	Gypsum	S/S	Service Sink
BFP	Backflow Preventer	H	Height	SA	Supply Air
BLDG	Building	HB	Hydrant Box	SAS	Sail Switch
BTU	British Thermal Unit	HF	Hose Faucet	SCH	Schedule
BTUH	British Thermal Unit Per Hour	hp	Horse Power	SD	Storm Drain
BV	Balancing Valve	HP	Heat Pump	SF	Supply Fan
		HVAC	Heating, Ventilating And Air Conditioning	SHR	Shower
C	Conduit	HVL	Heat/Vent/Light	SP	Static Pressure
CD	Ceiling Diffuser	HW	Hot Water	SS	Sanitary Sewer
CFM	Cubic Feet Per Minute	HWR	Hot Water Return	STA	Station
CI	Cast-Iron	HWS	Hot Water Supply	STD	Standard
CO	Cleanout	HZ	Hertz		
COTF	Cleanout Through Floor	ID	Inside Diameter	TCV	Temperature Control Valve
COTG	Cleanout To Grade	IE	Invert Elevation	TOT	Total
COTW	Cleanout To Wall	IN	Inch	TS	Time Switch
CU	Condensing Unit	IPS	International Pipe Standard	TWH	Tankless Water Heater
CW	Cold Water	KS	Kitchen Sink	TYP	Typical
		KW	Kilowatt	UH	Unit Heater
D	Depth	LAV	Lavatory	UR	Urinal
DB	Dry Bulb	LPG	Liquified Petroleum Gas	UTL	Under Truck Lights
DEF	Declassification Fan	MAX	Maximum	V	Volts
DEG	Degree	MAN	Manhole	VAC	Voltage, Alternating Current
DH	Duct Heater	MIN	Minimum	VCP	Vitrified Clay Pipe
DIA	Diameter	MS	Mop Sink	VR	Vent Riser
(E)	Existing	NIC	Not In Contract	VTR	Vent Through Roof
EA	Exhaust Air	NO	Number	W	Watts
EC	Evaporative Cooler	NPT	National Pipe Thread	W/	With
EEHR	Exhaust Evacuation Hose Reel and Fan	NST	National Standard Thread	W/H	Wall Hydrant
EEW	Emergency Eyewash	OA	Outside Air	W/O	Without
EEW&S	Emergency Eyewash And Shower	OC	On Center	WB	Wet Bulb
EF	Exhaust Fan	OD	Outside Diameter	WC	Water Closet
EL	Elevation	OG	Original Grade	W.C.	Water Column
EWC	Electric Water Cooler	PCC	Portland Cement Concrete	WH	Wall Heater
EWH	Electric Water Heater	PEX	Cross Linked polyethylene	WHA	Water Hammer Arrestor
		PH	Phase	WLS	Water Level Switch
F	Fahrenheit	PV	Post Indicating Valve	WP	Weatherproof
FD	Floor Drain	POC	Point Of Connection	WS	Wash Sink
FDC	Fire Department Connection	PR	Pressure Regulator	WSP	Welded Steel Pipe
FE	Fire Extinguisher	PRV	Pressure Reducing Valve		
FEF	Fume Exhaust Fan	PSI	Pounds Per Square Inch		
FG	Finish Grade	PVC	Polyvinyl Chloride		
FH	Fire Hydrant				
FL	Flow Line				
FT	Feet				
FUR	Furnace				

HEATING, VENTILATING AND AIR CONDITIONING

—●—	Balance Damper
—W—	Flexible Duct
—EA—	Exhaust Air
—RA—	Return Air
—SA—	Supply Air
—□—	Exhaust Register
—□—	Return
—□—	Supply Diffuser
—T—	Thermostat
—TS—	Time Switch
—▲—	Anode Test Station
—▲—	Three Wire Test Station
—●—	Vertical duct penetration
—FE—	Fire Extinguisher

MISCELLANEOUS

L	Angle
—℄—	Centerline
—∅—	Diameter
—△—	Section / Elevation Letter
—○—	Sheet Number
—○—	Detail Number
—○—	Sheet Number

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

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

BRIDGE NO. 5734	WILLOWS MS OFFICE
POST MILE	ABBREVIATIONS AND LEGENDS

SHEET M-0

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT PROJECT NUMBER & PHASE	3598 03000200001
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DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	04/18/10 07/28/10 08/18/10 12/15/10	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		51	67

12/15/10
REGISTERED ENGINEER-ELECTRICAL DATE

2-22-11
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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

Reviewed by: *[Signature]*
GARY BLUMENTHAL
Approval date: 11-23-10

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

Project Name: *Willows Maintenance Station Office Building* Date: *August 18, 2010*

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

Name: *Solomon Wong* Signature: *Solomon C. Wong*
 Company: *Department of Transportation, (CALTRANS)* Date: *August 18, 2010*
 Address: *1801 30th Street* If Applicable CEA#: CEPE#
 City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8330*

Principal Mechanical Designer's Declaration Statement

I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the mechanical design.

This Certificate of Compliance identifies the mechanical features and performance specifications required for compliance with Title 24, Parts 1 and 6 of the California Code of Regulations.

The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: *Jack Wheeler* Signature: *Jack Wheeler*
 Company: *Department of Transportation, (CALTRANS)* Date: *August 18, 2010*
 Address: *1801 30th Street* License# *M21648*
 City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8352*

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

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

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

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

2008 Nonresidential Compliance Forms August 2009

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

Project Name: *Willows Maintenance Station Office Building* Date: *August 18, 2010* Climate Zone: *II*

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

Name: *Solomon Wong* Signature: *Solomon C. Wong*
 Company: *Department of Transportation, (CALTRANS)* Date: *August 18, 2010*
 Address: *1801 30th Street* If Applicable CEA#: CEPE#
 City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8330*

Principal Designer's Declaration Statement

I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the design.

This Certificate of Compliance identifies the envelope features and performance specifications required for compliance with Title 24, Parts 1 and 6 of the California Code of Regulations.

The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: *Danny Ignacio* Signature: *Danny Ignacio*
 Company: *Department of Transportation, (CALTRANS)* Date: *August 18, 2010*
 Address: *1801 30th Street* License# *C-11819*
 City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8219*

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

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

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

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

2008 Nonresidential Compliance Forms August 2009

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES	BRIDGE NO. <i>5734</i>	WILLOWS MS OFFICE TITLE 24 COMPLIANCE CERTIFICATES	SHEET M-1.5 OF
DETAILS BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
QUANTITIES BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>		UNIT PROJECT NUMBER & PHASE <i>3598 03000200001</i>	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) <i>04/18/10 07/28/10 08/18/10 12/15/10</i>

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

EA 3E4401 VI-1

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		52	67

 12/15/10
 REGISTERED ENGINEER-ELECTRICAL DATE



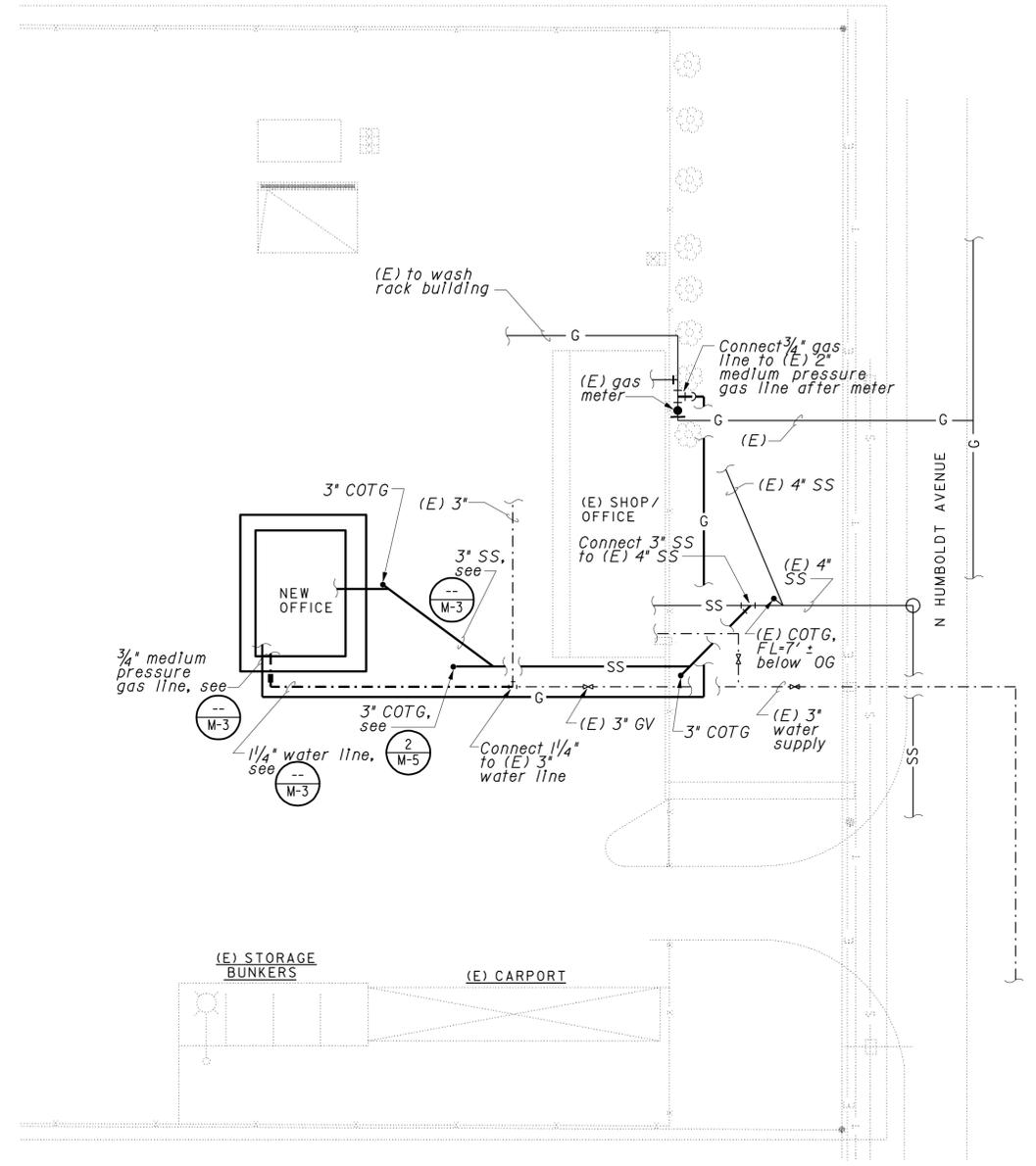
2-22-11
 PLANS APPROVAL DATE

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

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: 
 GARY BLUMENTHAL
 Approval date: 11-23-10

NOTES

- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- The Contractor shall verify and locate (E) underground utility lines prior to working below grade.

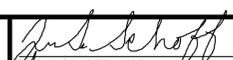


SITE PLAN

1" = 30'



THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY


 DESIGN SUPERVISOR

 DESIGN ENGINEER

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
 ELECTRICAL-MECHANICAL-WATER
 AND WASTEWATER DESIGN

BRIDGE NO.	5734
POST MILE	

WILLOWS MS OFFICE
 MECHANICAL SITE PLAN

SHEET
M-1

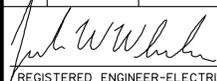
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT PROJECT NUMBER & PHASE
 3598 03000200001

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04/18/10 05/12/10 07/28/10 08/18/10 012/15/10
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SHEET OF

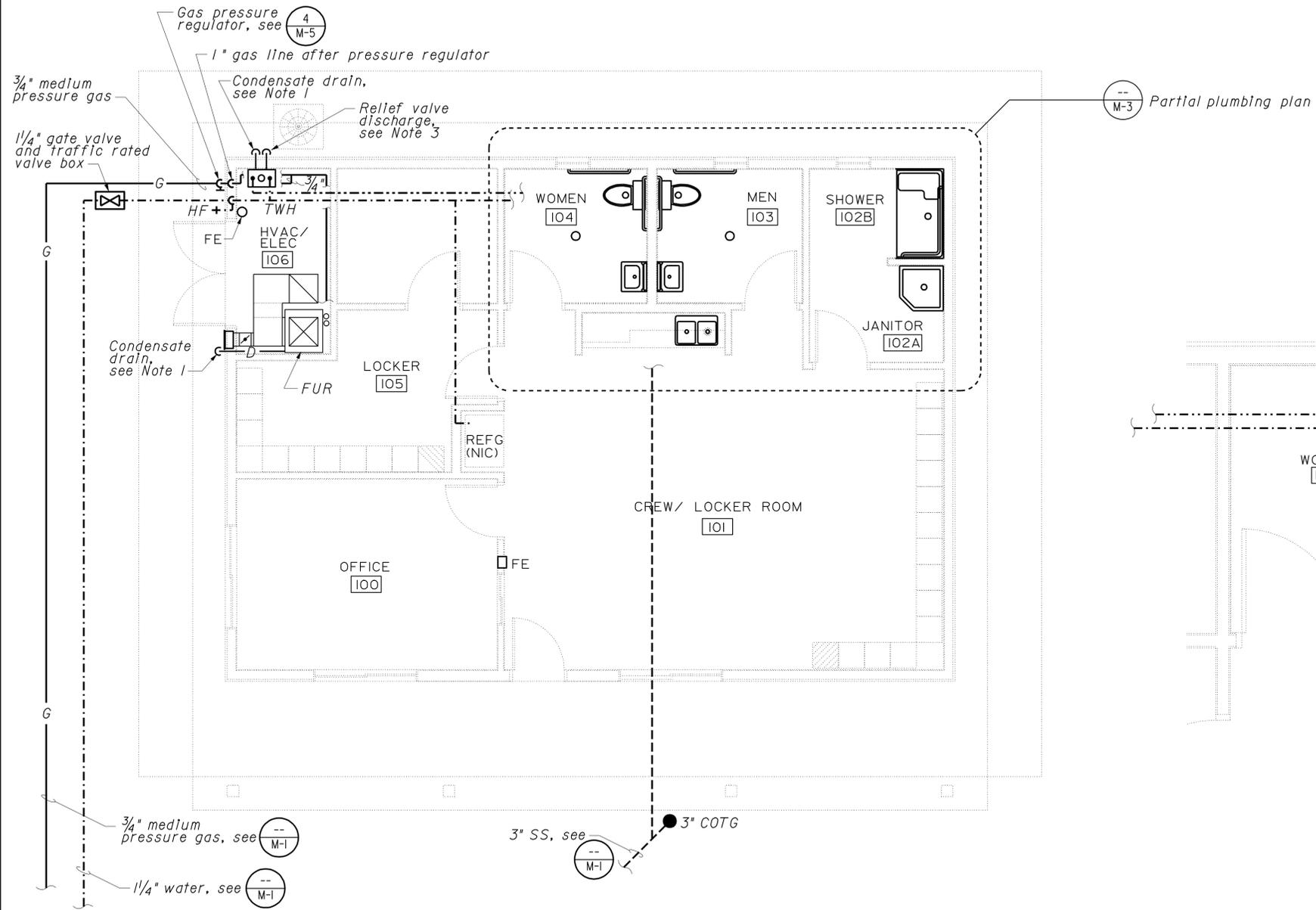
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		54	67
 REGISTERED ENGINEER-ELECTRICAL			12/15/10	DATE	
					
2-22-11 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</small>					

EQUIPMENT

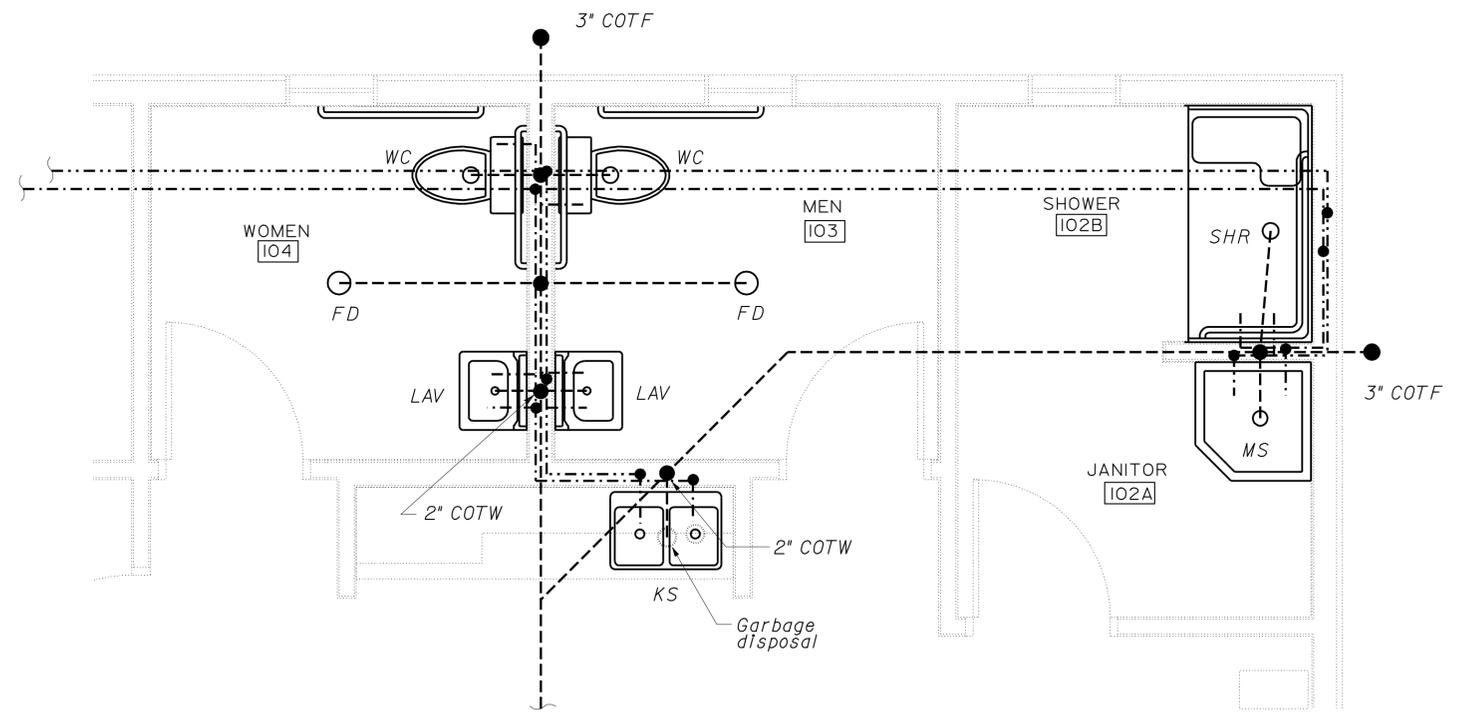
- TWH Tankless Water Heater (gas) - 200,000 BTUH Input, 8.4 gpm at 45 deg temp rise.
- FE Fire Extinguisher - 2A: 10B:C
- PR Gas Pressure Regulator - 300 cubic feet/hr capacity, 5 psi inlet pressure, 11 in w.c. outlet pressure

NOTES

1. Furnace and tankless water heater condensate lines shall have condensate neutralizers installed and shall elbow down 4" above concrete. Size according to manufacturer's recommendation.
2. Tankless water heater flue and combustion air intake shall terminate through the roof in a concentric vent kit.
3. Elbow down 4" above concrete.



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



PARTIAL PLUMBING PLAN
1/2" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY Thomas Dietsch	CHECKED Alvin Kwan	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES	BRIDGE NO. 5734	WILLOWS MS OFFICE PLUMBING PLAN	SHEET M-3
DETAILS BY Thomas Dietsch	CHECKED Alvin Kwan		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
QUANTITIES BY Thomas Dietsch	CHECKED Alvin Kwan		UNIT PROJECT NUMBER & PHASE 3598 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



REVISION DATES (PRELIMINARY STAGE ONLY)

04/18/10	07/28/10	08/18/10	12/15/10
----------	----------	----------	----------

PLUMBING SCHEDULE					
FIXTURE	DRAINAGE ROUGH IN	TRAP SIZE	VENT SIZE	MINIMUM CONNECTIONS	
				COLD WATER	HOT WATER
LAVATORY	2"	1 1/2"	2"	1/2"	1/2"
WATER CLOSET	3"	--	2"	3/4"	--
SHOWER	2"	2"	2"	3/4"	3/4"
FLOOR DRAIN	2"	2"	2"	--	--
KITCHEN SINK	2"	1 1/2"	2"	3/4"	3/4"
MOP SINK	3"	3"	2"	3/4"	3/4"
HOSE FAUCET	--	--	--	3/4"	--

NOTES

- Water hammer arrestors and trap primers shall be installed for accessibility from the attic space or through access doors in walls.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		55	67

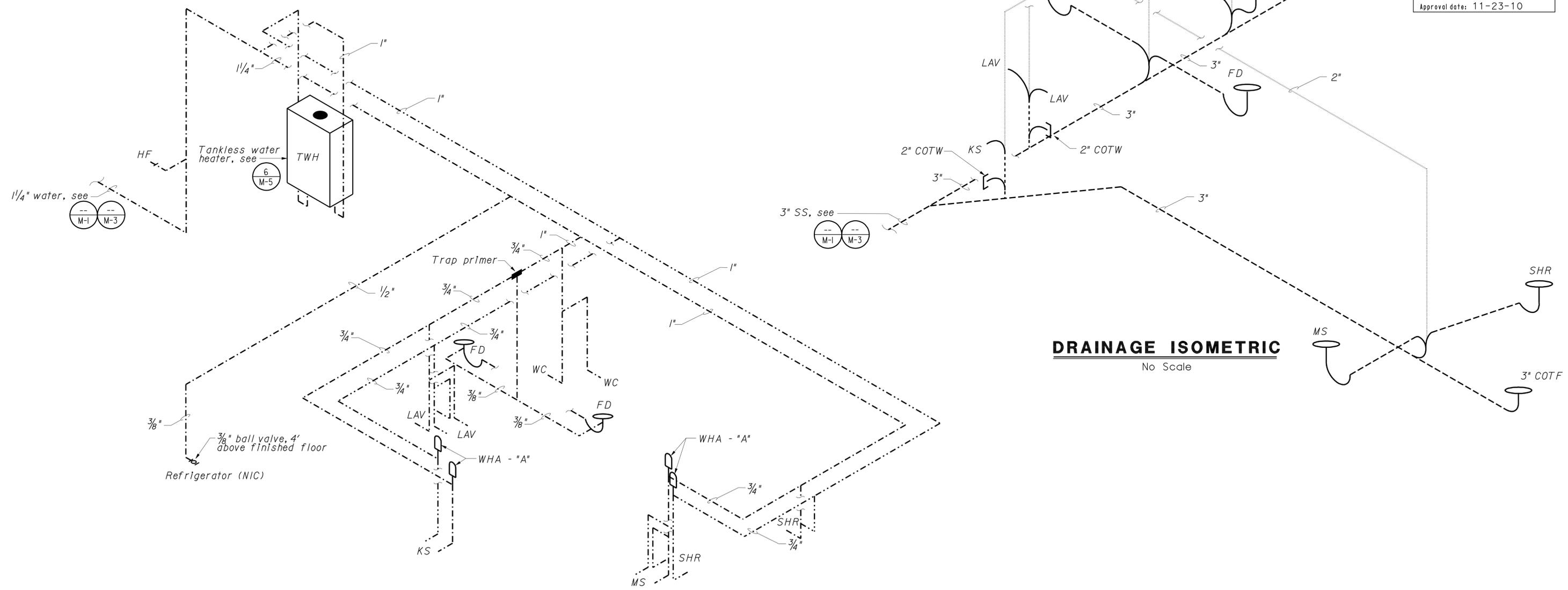
REGISTERED ENGINEER-ELECTRICAL DATE 12/15/10
 Jack Wheeler
 No. 21648
 Exp. 06-30-11
 MECH
 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE
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Reviewed by: *[Signature]*
 GARY BLUMENTHAL
 Approval date: 11-23-10



WATER SUPPLY ISOMETRIC
No Scale

DRAINAGE ISOMETRIC
No Scale

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DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
ELECTRICAL-MECHANICAL-WATER
AND WASTEWATER DESIGN

BRIDGE NO.	5734
POST MILE	

WILLOWS MS OFFICE
PLUMBING ISOMETRICS

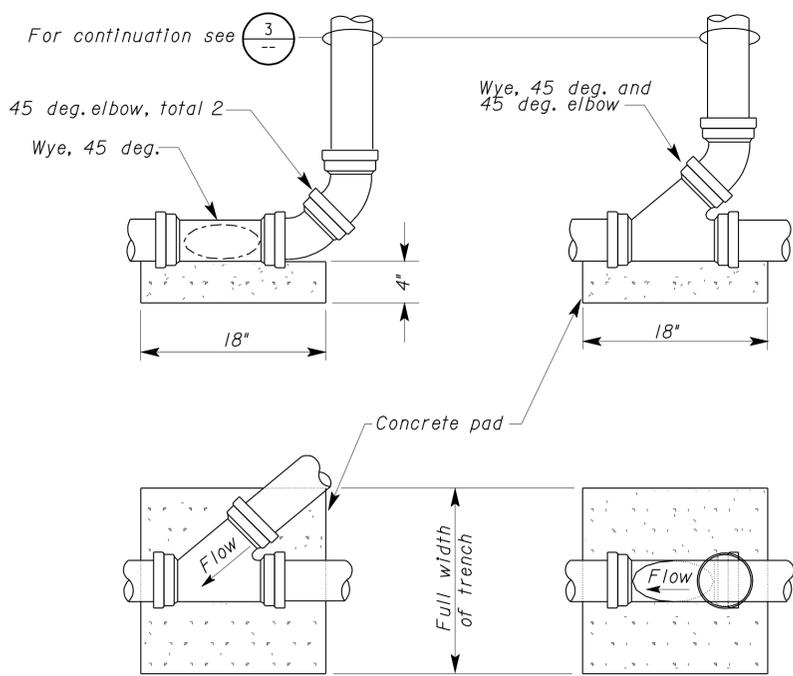
SHEET **M-4** OF



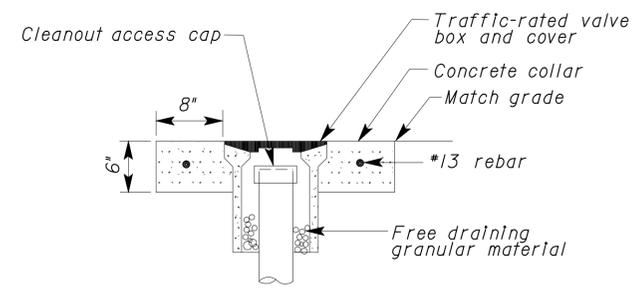
UNIT PROJECT NUMBER & PHASE 3598 03000200001

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	04/18/10 07/28/10 12/15/10	VI-1

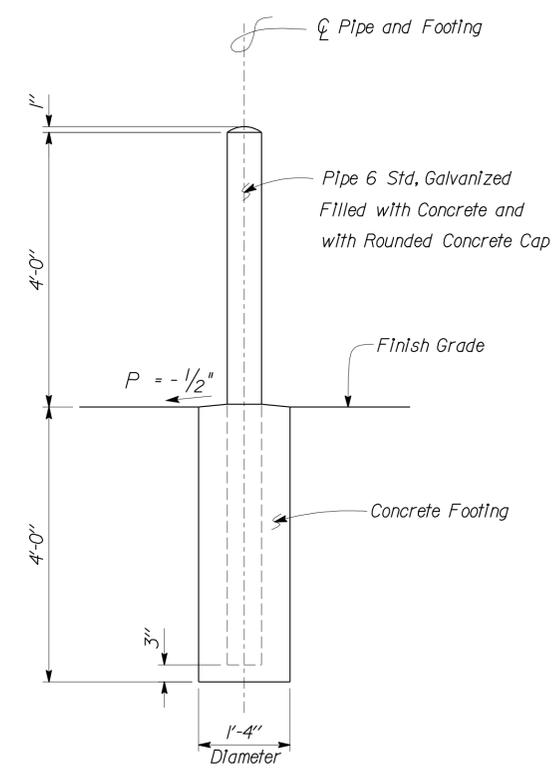
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		56	67
			12/15/10 REGISTERED ENGINEER-ELECTRICAL DATE		
2-22-11 PLANS APPROVAL DATE					
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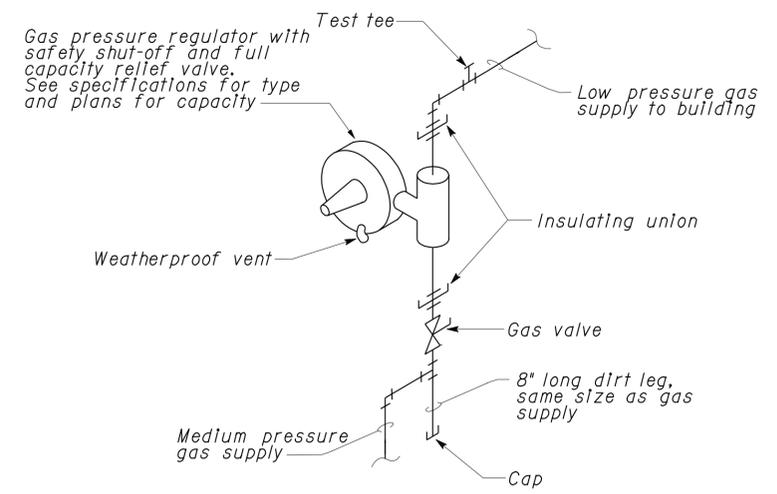
2 CLEANOUT TO GRADE
No Scale



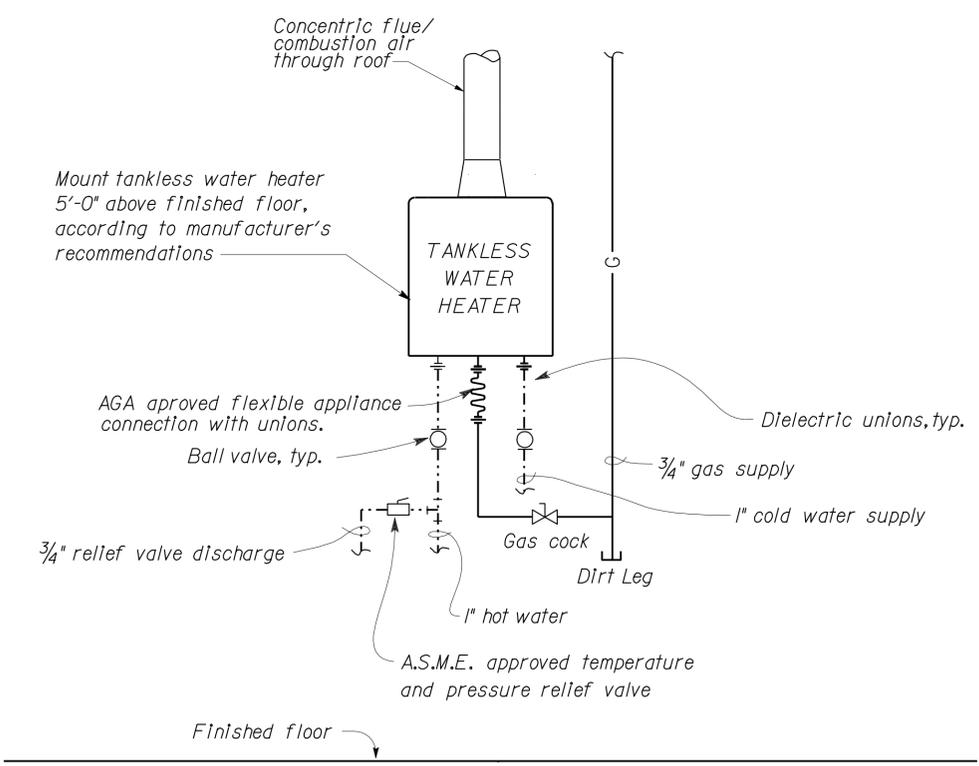
3 ACCESS BOX
No Scale



5 PIPE GUARD POST DETAIL
No Scale



4 GAS PRESSURE REGULATOR
No Scale



6 TANKLESS WATER HEATER (GAS)
No Scale

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
ELECTRICAL-MECHANICAL-WATER
AND WASTEWATER DESIGN

BRIDGE NO. 5734
POST MILE

WILLOWS MS OFFICE
DETAILS

SHEET M-5 OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3598 03000200001

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY) 04/18/10 07/28/10 08/18/10 12/15/10

SHEET OF

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER
	POLE-ARM ELECTROLIER
CEILING WALL	
	SURFACE FLUORESCENT, METAL HALIDE OR SODIUM VAPOR FIXTURE
	RECESSED FLUORESCENT, METAL HALIDE, OR SODIUM VAPOR FIXTURE
	EXIT LIGHT
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE
	RECESSED INDIVIDUAL FLUORESCENT FIXTURE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT FIXTURES
NOTE: A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHA-NUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE. EXAMPLE: (4) F 2 - 2 x 32	
	BLANK OUTLET
	JUNCTION BOX
	DROP CORD
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET
	RANGE OUTLET
	CLOCK HANGER RECEPTACLE
	FAN HANGER RECEPTACLE
	FLOOR SINGLE RECEPTACLE OUTLET
	FLOOR DUPLEX RECEPTACLE OUTLET
	FLOOR SPECIAL PURPOSE OUTLET
	FLOOR RADIO OUTLET
	FLOOR TELEPHONE OUTLET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG
	MULTI-OUTLET ASSEMBLY
	S SINGLE POLE SWITCH
	S2 DOUBLE POLE SWITCH
	S3 THREE WAY SWITCH
	S4 FOUR WAY SWITCH
	SD AUTOMATIC DOOR
	SK KEY OPERATED SWITCH
	Sp SWITCH AND PILOT LIGHT
	SMC MOMENTARY CONTACT SWITCH
	SRC REMOTE CONTROL SWITCH
	SWP WEATHERPROOF SWITCH
	Sf FAN SWITCH
	SL LIGHT SWITCH
	Sh HEATER SWITCH
	Svs VARIABLE SPEED MOTOR CONTROL SWITCH
	SchLF TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP

SYMBOL	DESCRIPTION
	S1 OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
	S1TS OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL, WITH ADDITIONAL TIME DELAY OFF FOR FAN
	S2 OCCUPANCY SENSOR WALL SWITCH, BILEVEL
	SDTS DIGITAL TIMER SWITCH
	SM MOTION SENSOR SWITCH
	ST MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	SHUL HEAT/VENT/LIGHT SWITCH
	TS TIMER SWITCH
	S SWITCH AND SINGLE RECEPTACLE
	S SWITCH AND DUPLEX RECEPTACLE
	HC HAND DRYER NOZZLE
	H HAND DRYER
	RO RADIO OUTLET
	CO COMMUNICATION OUTLET
	SSO SOUND SYSTEM LOUD SPEAKER OUTLET
	PB PUSHBUTTON
	PBS PUSHBUTTON STATION MOTOR CONTROL
	CB COMBINATION BELL-BUZZER
	T THERMOSTAT
	PS PRESSURE SWITCH
	R CONTROL RELAY
	FS FLOW SWITCH
	PEC PHOTOELECTRIC CELL
	R RADIO OUTLET
	TV TELEVISION OUTLET
	M MICROPHONE OUTLET
	FPB FLUSH-MOUNTED PANELBOARD AND CABINET
	SMPB SURFACE-MOUNTED PANELBOARD AND CABINET
	LP LIGHTING PANEL
	PP POWER PANEL
	CLP COMBINATION LIGHTING AND POWER
	MC MOTOR CONTROLLER
	DS DISCONNECT SWITCH
	CCW CONDUIT CONCEALED IN CEILING OR WALL
	CCF CONDUIT CONCEALED IN FLOOR
	CE CONDUIT EXPOSED
	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES 1#12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH 1#12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED.
	A1, 2 HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT.
	SM SURFACE METAL RACEWAY
	(2) 1/2" C, PVC, 2#12 CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	MC CONDUIT, RIGID STEEL, UNDERGROUND
	PVC CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CF CONDUIT, FLEXIBLE
	CU CONDUIT, TURN UP
	CD CONDUIT, TURN DOWN
	CS CONDUIT SEAL, EXPLOSION-PROOF
	X CONDUIT, EXPANSION JOINT
	A ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	O POLE

SYMBOL	DESCRIPTION
	OC OCCUPANCY SENSOR
	OP OCCUPANCY SENSOR POWER PACK
	H HEAT DETECTOR
	S SMOKE DETECTOR
	P MANUAL PULL STATION
	PP POWER PACK
	AV AUDIO/VISUAL ALARM DEVICE
	G GLASS BREAK DISCRIMINATOR
	C MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	C MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	K KEYPAD FOR ALARM SYSTEM
	W COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	PB PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	PB(T) PULL BOX (TRAFFIC RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	CHLF COMBINATION HEAT, LIGHT AND FAN UNIT
	A SECTION/ELEVATION LETTER
	EE-2 SHEET NUMBER
	1 DETAIL NUMBER
	EE-2 SHEET NUMBER

REMODEL WORK

SYMBOL	DESCRIPTION
	EF EXISTING FLUORESCENT FIXTURE-TO REMAIN
	EF-X EXISTING FLUORESCENT FIXTURE-REMOVE
	IF EXISTING INCANDESCENT FIXTURE-TO REMAIN
	IF-X EXISTING INCANDESCENT FIXTURE-REMOVE
	EO EXISTING OUTLET-TO REMAIN
	EO-R EXISTING RECEPTACLE OUTLET-TO REMAIN
	EO-R-X EXISTING RECEPTACLE OUTLET-REMOVE
	E-E EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	E-E-X EXISTING CONDUIT AND CONDUCTORS-REMOVE
	S EXISTING SWITCH-TO REMAIN
	S-X EXISTING SWITCH-REMOVE
	JB EXISTING JUNCTION BOX-TO REMAIN
	JB-X EXISTING JUNCTION BOX-REMOVE

STANDARD NOTES

	AB ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
	BC INSTALL PULL BOX IN EXISTING CONDUIT RUN.
	CB INSTALL CONDUIT INTO EXISTING PULL BOX.
	CC CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
	CF CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS, INSTALL PULL ROPE AND PLUG.
	FA REMOVE FOUNDATION ABOVE GRADE AND ABANDON FOUNDATION BELOW GRADE.
	RL RELOCATE EQUIPMENT.
	RLD RELOCATED EQUIPMENT.
	SC SPLICE NEW TO EXISTING CONDUCTORS.

PROJECT PLAN

- ES-8

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	CB SINGLE POLE
	CB DOUBLE POLE
	CB THREE POLE
	GFCI GROUND FAULT CIRCUIT INTERRUPTER
	CB SINGLE POLE, SWITCHED NEUTRAL
	CO CONTACT, NORMALLY OPEN
	CC CONTACT, NORMALLY CLOSED
	CO-TDC CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON DE-ENERGIZING
	CO-TDO CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CO-TDCO CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CC-TDO CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CO-TDCO CONTACT, SINGLE POLE DOUBLE-THROW
	OC OPERATING COIL
	LS-NCL LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LS-NLO LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PS-NCL PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PS-NLO PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FS-NCL FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FS-NLO FLOW ACTUATED SWITCH, NORMALLY OPEN
	TS-NCL TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TS-NLO TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LS-NCL LIMIT SWITCH, NORMALLY CLOSED
	LS-NLO LIMIT SWITCH, NORMALLY OPEN
	PB-NCL PUSHBUTTON SWITCH, NORMALLY CLOSED
	PB-NLO PUSHBUTTON SWITCH, NORMALLY OPEN
	S SINGLE-POLE
	S SINGLE-POLE, DOUBLE-THROW
	S DOUBLE-POLE
	S DOUBLE-POLE, DOUBLE-THROW
	S SINGLE-POLE, 3-POSITION
	TO THERMAL OVERLOAD
	F FUSE
	R RESISTOR
	VR VARIABLE RESISTOR
	TW TRANSFORMER WINDING
	GE GROUNDING ELECTRODE
	EB ENCLOSURE BOND
	A PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	G GENERATOR
	M MOTOR
	F FAN MOTOR

PROJECT NOTES

- SEPARATE GROUNDED (NEUTRAL) CONDUCTOR SHALL BE USED FOR EACH 120-VOLT CIRCUIT.
- HOMERUNS TO PANELBOARDS SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOMERUNS SHALL NOT BE COMBINED.
- A SINGLE INSULATED EQUIPMENT GROUNDING CONDUCTOR (SIZED AS REQUIRED) SHALL BE INSTALLED IN EACH CONDUIT RUN.

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: *[Signature]*
GARY BLUMENTHAL
Approval date: 11-23-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		57	67

12-14-10
DATE

[Signature]
REGISTERED ELECTRICAL ENGINEER

JIM TORKELSON
No. E 13742
Exp. 6-30-11
ELEC
STATE OF CALIFORNIA

2-22-11
PLANS APPROVAL DATE

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

ABBREVIATIONS

A	AMPERES
A/C	AIR CONDITIONING UNIT
ACS	AIR COMPRESSOR STARTER
AI	ANALOG INPUT
AL	ALARM LIGHT
AO	ANALOG OUTPUT
AVC	AIR VOLUME CONTROLLER
BD	BUILDING DISCONNECT
BRK	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CR	CONTROL RELAY
CSW	CURRENT SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DUPLEX PLUG RECEPTACLE
DS	DOOR SWITCH
(E)	EXISTING
EF	EXHAUST FAN
F	FUSE
FL	FAILURE LIGHT
FLA	FLASHER
FLEX	FLEXIBLE CONDUIT
FLS	FLOW SWITCH
FR	FAILURE RESET
FS	FLOAT SWITCH
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
IR	INDUCTION RELAY
JB	JUNCTION BOX
L	LIGHT
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
LD	LIGHT DISCONNECT
LL	LIQUID LEVEL RELAY
LLC	LIQUID LEVEL CONTROLLER
LP	LIGHT PANEL
LS	LIGHT SWITCH
LT	LIGHT TRANSFORMER
LTO	LIGHT TRANSFORMER OVERLOAD
MB	MAIN BREAKER
MC	METALLIC CONDUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCC	MOTOR CONTROL CENTER
MIS	MANAGEMENT INFORMATION SYSTEM
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NSW	NEUTRAL SWITCHING BREAKER
OL	OVERLOAD
P	POLE
PB	PULL BOX
PB	PUSHBUTTON
PFR	PHASE FAILURE RELAY
PFRD	PHASE FAILURE RELAY DISCONNECT
PEC	PHOTOELECTRIC CELL
PL	PILOT LIGHT
PS	PRESSURE SWITCH
PTS	POWER TRANSFER SWITCH
PVC	POLYVINYL CHLORIDE
RES	RESISTOR
RTB	RADIO TERMINAL BOARD
S	STARTER COIL
SD	SERVICE DISCONNECT
SFR	SEAL FAILURE RELAY
SL	SUMP LIGHT
SPR	STANDBY POWER RECEPTACLE
SS	SELECTOR SWITCH
ST	STARTER
SV	SOLENOID VALVE
T	TRANSFORMER
TB	TERMINAL BLOCK
TDR	TIME DELAY RELAY
TGLS	TOGGLE SWITCH
TM	TIME METER
TOT	TOTAL
TS	TIMER SWITCH
TSW	TEST SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UPS	UNINTERRUPTIBLE POWER SUPPLY
WLS	WATER LEVEL SWITCH
WP	WEATHERPROOF

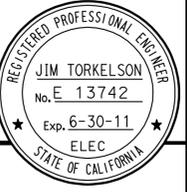
DESIGN	BY	Jim Torkelson	CHECKED	Baldev S. Dehal	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	5734	WILLOWS MAINTENANCE STATION OFFICE	SHEET	EE-1
	DETAILS	BY	Kathi Andreasen	CHECKED			Jim Torkelson	POST MILE			LEGEND
QUANTITIES	BY	Jim Torkelson	CHECKED	Baldev S. Dehal	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT	3614	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
TAEMWW Imperial Rev. 7/10					0 1 2 3	PROJECT NUMBER & PHASE	03000200001		8/24/10 8/27/10 9/15/10 12/14/10		

EA 3E4401

28-FEB-2011 10:49

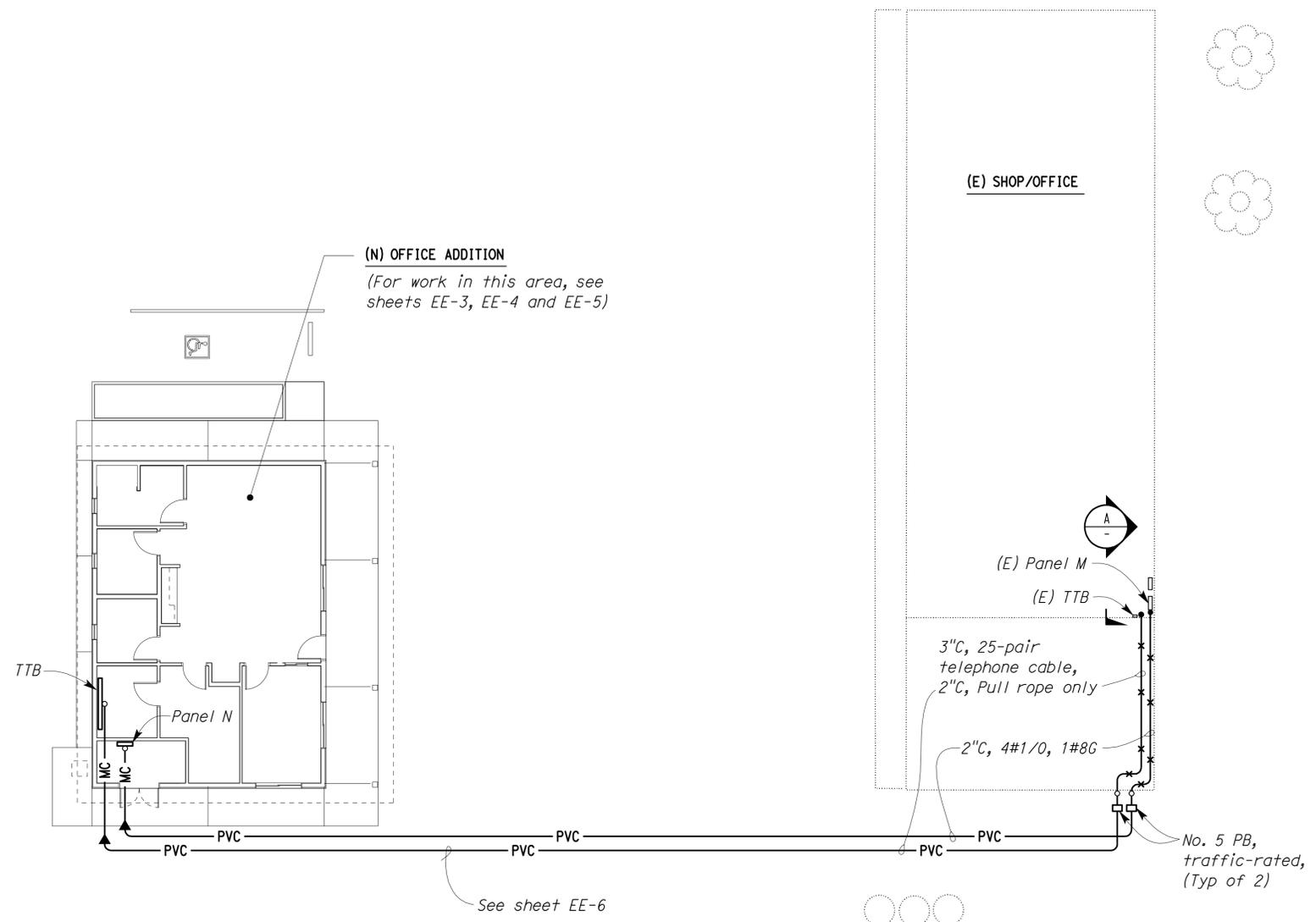
ee_01.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		58	67

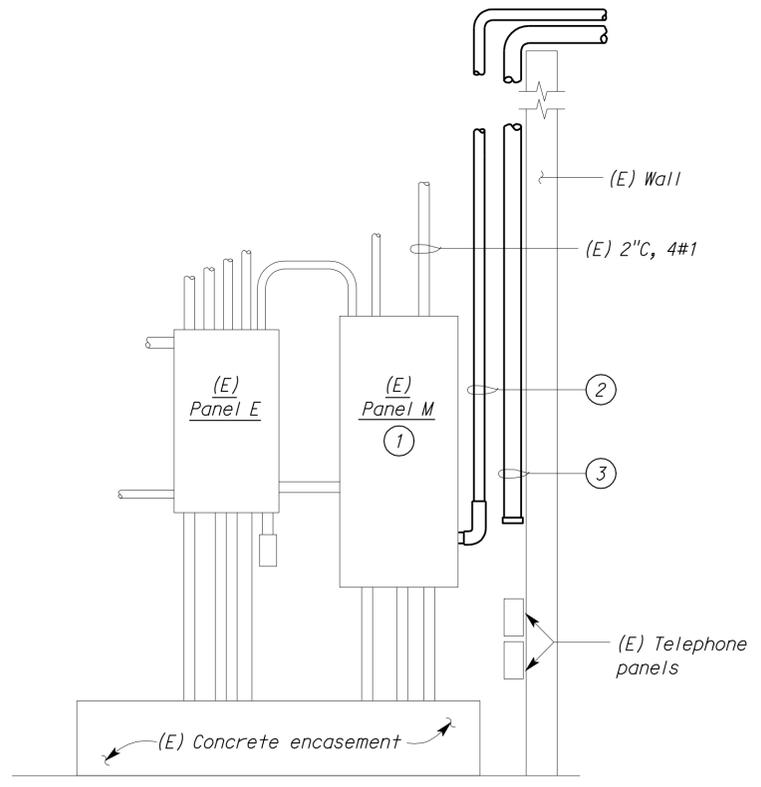
 REGISTERED ELECTRICAL ENGINEER DATE 12-14-10		
2-22-11 PLANS APPROVAL DATE		

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CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: 
 GARY BLUMENTHAL
 Approval date: 11-23-10



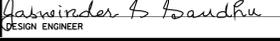
PARTIAL PLAN
 SCALE 1" = 10'-0"



PARTIAL ELEVATION
 NO SCALE

- Notes:
- Existing Panel M is ITE catalog No. CDP with type ITE ET circuit breakers. Install a 100-ampere, 3-pole, EE3-B100 type circuit breaker in space 4 to feed the new Office Building. Update panel directory.
 - Install 2" C, 4#1/0, 1#8G, to Panel N in the new Office Building, via pull box. See sheet EE-3.
 - Install 3" C, 25-pair telephone cable, 2" C Pull rope only from existing telephone panels to TTB in the new Office Building, via pull box. Coil 10' at existing telephone panel's location. See sheet EE-6.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE PARTIAL SITE PLAN AND ELEVATION	SHEET EE-2
	DETAILS BY <i>Kathi Andreasen</i>	CHECKED <i>Jim Torkelson</i>			POST MILE		
	QUANTITIES BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>					

TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE EA 3E4401	3614 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
						8/26/10 8/27/10 8/27/10 9/7/10 12/1/10	

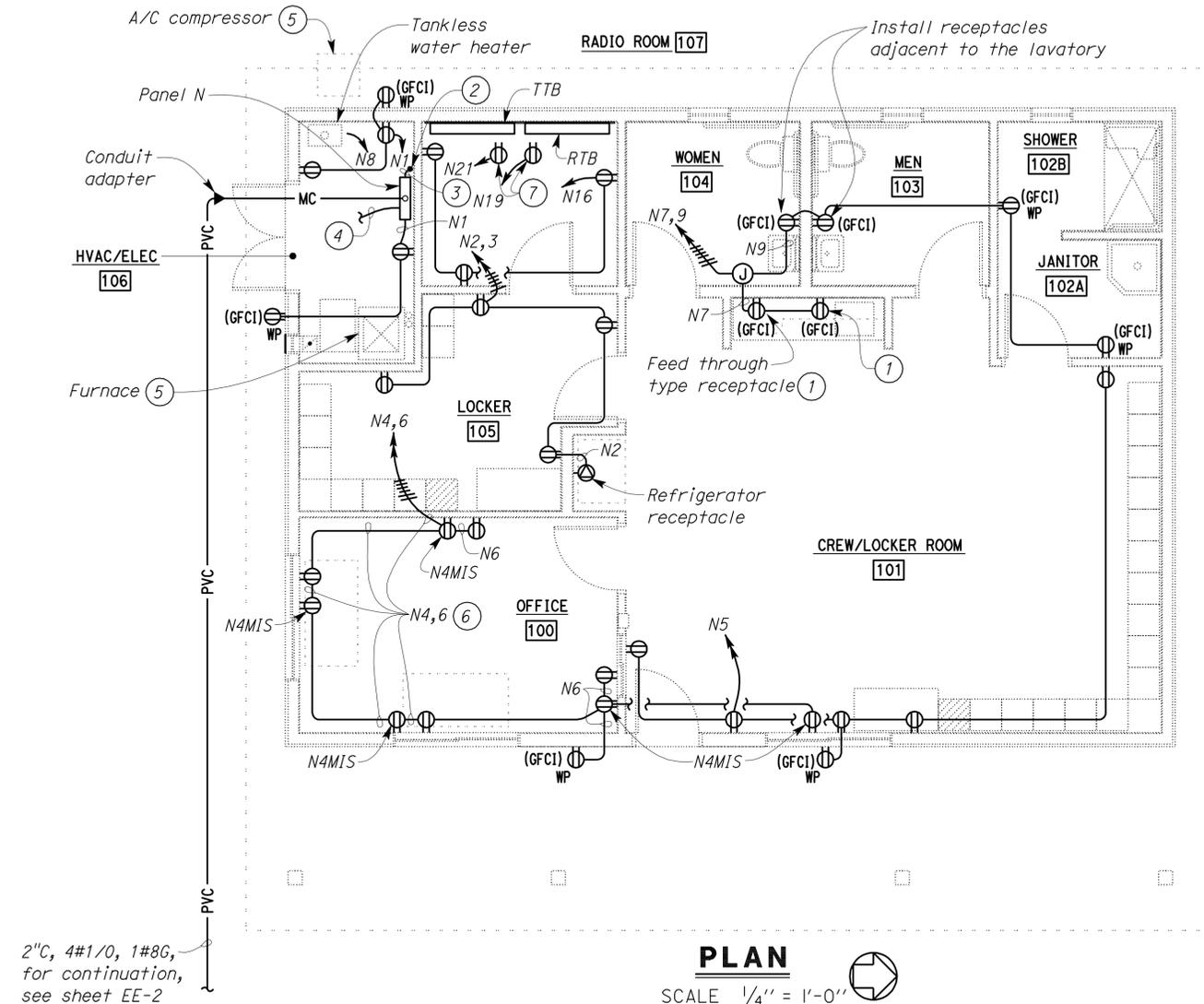
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CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
 GARY BLUMENTHAL
 Approval date: 11-23-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		59	67

[Signature] 12-14-10
 REGISTERED ELECTRICAL ENGINEER DATE
 JIM TORKELSON
 No. E 13742
 Exp. 6-30-11
 ELEC
 STATE OF CALIFORNIA
 2-22-11
 PLANS APPROVAL DATE

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- Notes:
- 1) Install receptacles 4" above the counter backsplash.
 - 2) See detail on Structural sheets for installation of ground bar.
 - 3) 1" C, 1#2G, to ground bar.
 - 4) (2) 1" C, 1#2G, to cold water and gas pipes inside the building, and (1) 1" C, 1#2G, to structural steel column.
 - 5) See sheet EE-5.
 - 6) 1/2" C, 4#12, 1#12G, 1#12IG.
 - 7) Overhead twist lock receptacle for TTB and RTB.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE POWER PLAN	SHEET EE-3	
				POST MILE			
DETAILS BY <i>Kathi Andreasen</i>	CHECKED <i>Jim Torkelson</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3614 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES			SHEET OF
QUANTITIES BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>			REVISION DATES (PRELIMINARY STAGE ONLY)			

TAEMWW Imperial Rev. 7/10

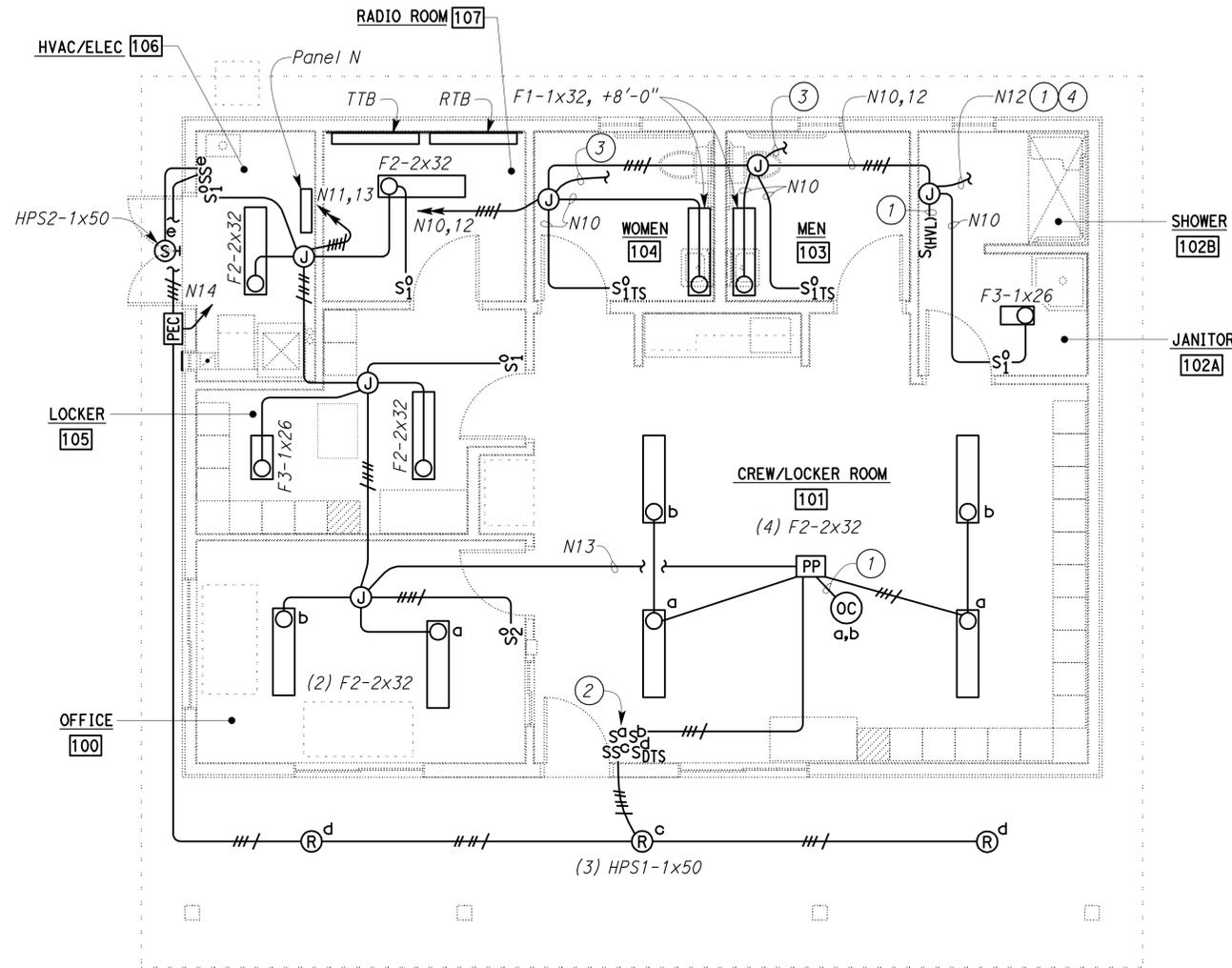
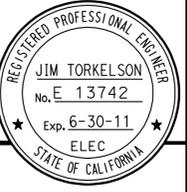
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General Notes:

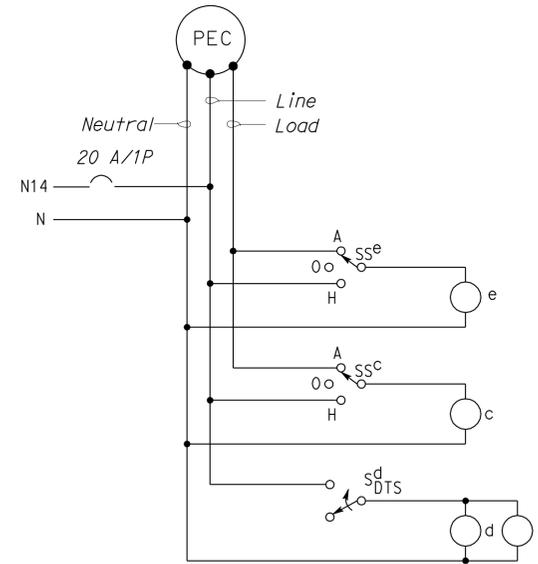
- A. For exact location of lighting fixtures, see Architectural plans.
- B. Power pack units in rooms with ceiling spaces shall be mounted concealed inside the ceiling.
- C. For lighting fixture schedule, see sheet EE-7.
- D. Install PEC in a manner, so that the PEC window faces north.

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
 GARY BLUMENTHAL
 Approval date: 11-23-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		60	67
				12-14-10	
				DATE	
				2-22-11	
				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



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



OUTSIDE LIGHTING CONTROL SCHEMATIC

Notes:

- ① Control conductors as required.
- ② Connect switches to load side of the occupancy sensor.
- ③ To exhaust fan. For continuation, see sheet EE-5.
- ④ To Heat/Vent/Light combination unit. For continuation, see sheet EE-5.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY Jim Torkelson	CHECKED Baldev S. Dehal
DETAILS	BY Kathi Andreasen	CHECKED Jim Torkelson
QUANTITIES	BY Jim Torkelson	CHECKED Baldev S. Dehal

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

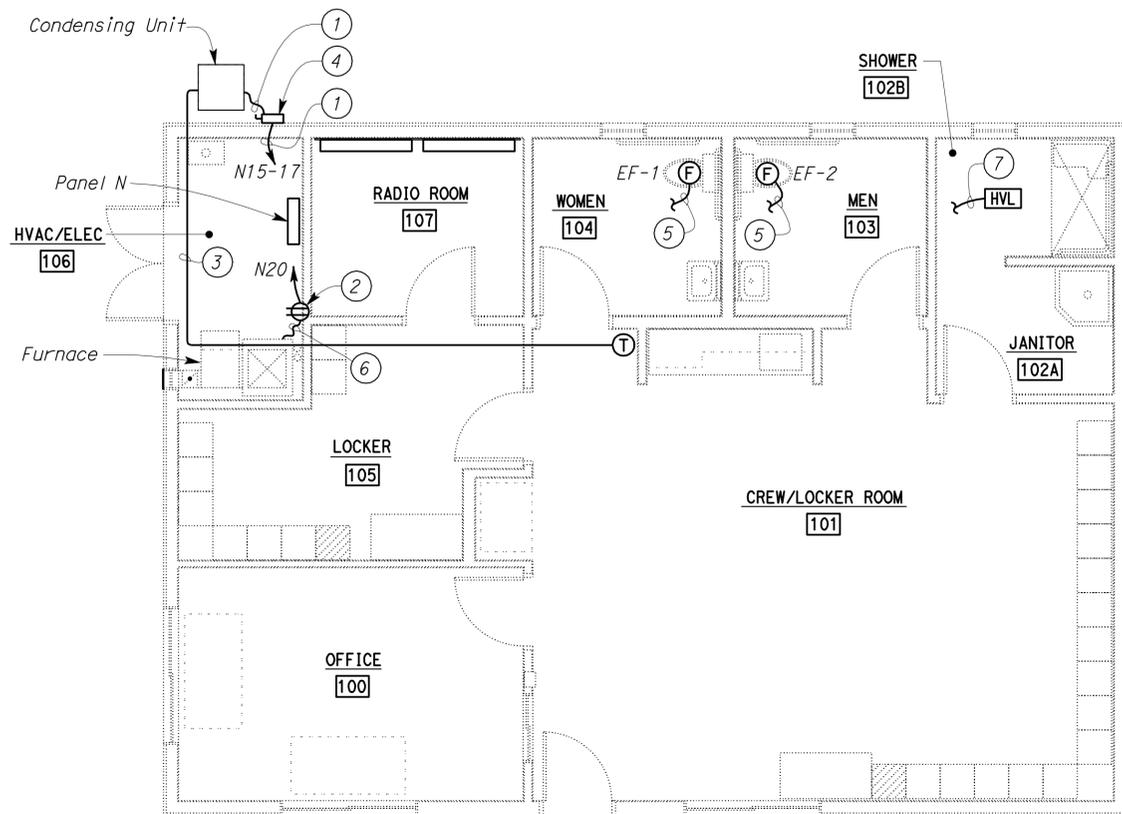
BRIDGE NO.	5734
POST MILE	

WILLOWS MAINTENANCE STATION OFFICE
 LIGHTING PLAN

SHEET **EE-4**

General Note:

A. Locations of exhaust fans, furnace, condensing unit, and Heat/Vent/Light combination unit are shown arbitrarily. For exact location, see Mechanical plans.



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

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Reviewed by: *[Signature]*
GARY BLUMENTHAL
Approval date: 11-23-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		61	67

12-14-10 DATE
REGISTERED ELECTRICAL ENGINEER
JIM TORKELSON
No. E 13742
Exp. 6-30-11
ELEC
STATE OF CALIFORNIA

2-22-11
PLANS APPROVAL DATE

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Notes:

- ① 3/4" C, 2#10, 1#10G.
- ② Furnace receptacle.
- ③ 3/4" C, control conductors as required.
- ④ Condensing unit fused disconnect, 40-ampere, 2-pole, heavy duty.
- ⑤ To junction box. For continuation, see sheet EE-4. Connect exhaust fans to load side of timer switch (TS).
- ⑥ Plug and cord assembly provide by furnace unit manufacturer.
- ⑦ To junction box. For continuation, see sheet EE-4. Connect HVL unit to load side of combination Heat/Vent/Light switch.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY Jim Torkelson	CHECKED Baldev S. Dehal
DETAILS	BY Kathi Andreasen	CHECKED Jim Torkelson
QUANTITIES	BY Jim Torkelson	CHECKED Baldev S. Dehal

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

BRIDGE NO. 5734
POST MILE
WILLOWS MAINTENANCE STATION OFFICE
HVAC PLAN

SHEET EE-5 OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0	1	2	3
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UNIT PROJECT NUMBER & PHASE 3614 03000200001
EA 3E4401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

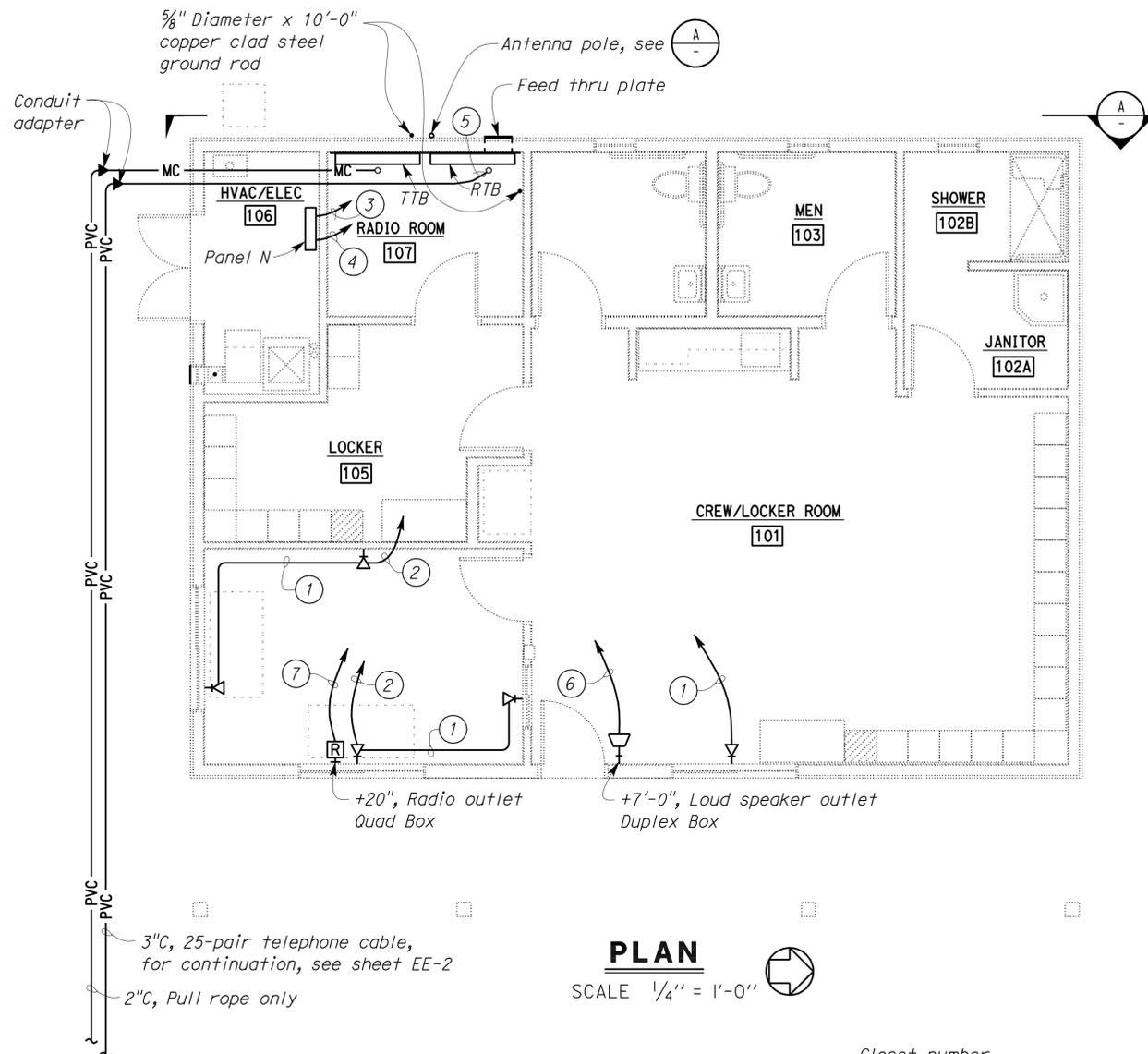
8/28/10	8/28/10	8/28/10	9/7/10	11/7/10	12/14/10
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SHEET OF

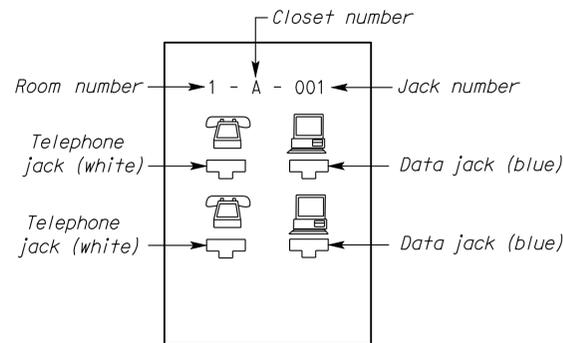
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General Note:

A. Unless otherwise noted, all homeruns shall be to TTB inside Radio Room.



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



**COMMUNICATION OUTLET
FACE PLATE DETAIL**
1
NO SCALE

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

**CALIFORNIA STATE FIRE MARSHAL
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Reviewed by: *[Signature]*
GARY BLUMENTHAL
Approval date: 11-23-10

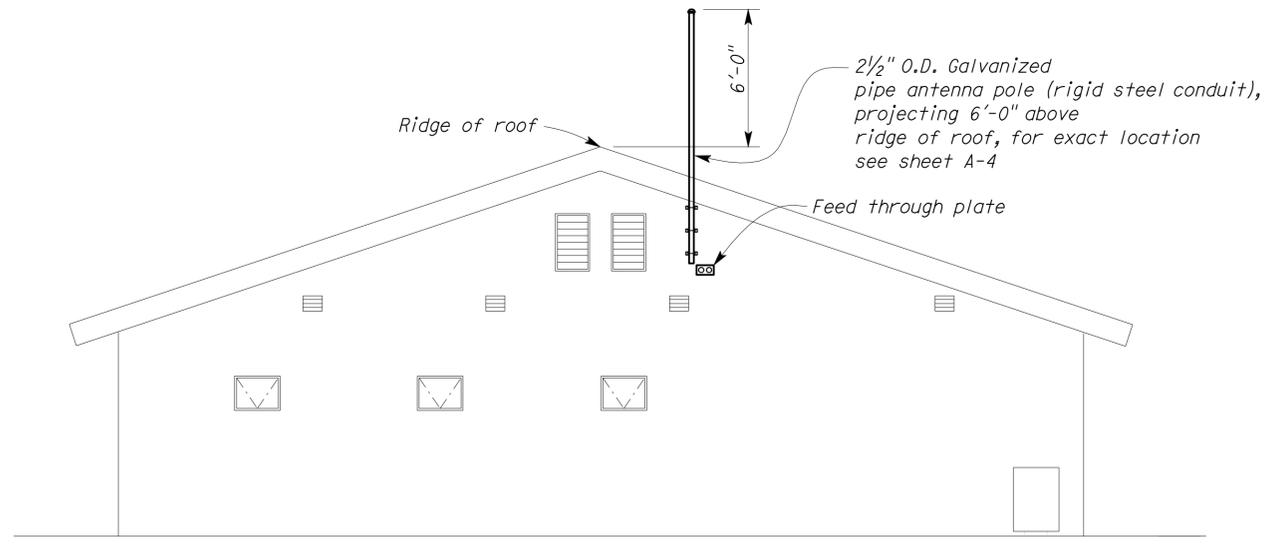
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		62	67

12-14-10
DATE
REGISTERED ELECTRICAL ENGINEER
[Signature]
JIM TORKELSON
No. E 13742
Exp. 6-30-11
ELEC
STATE OF CALIFORNIA

2-22-11
PLANS APPROVAL DATE

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- Notes:
- 3/4"C, 2 telephone cables, and 2 data cables.
 - 1"C, 4 telephone cables, and 4 data cables.
 - 3/4"C, 1#6G, to TTB. Terminate conduit as directed by the Engineer.
 - (2) 1"C, MT, to TTB, for future use. Terminate conduits as directed by the Engineer.
 - Coil 10' at Telephone Terminal Board (TTB).
 - 3/4"C, with pull rope, to Radio Terminal Board (RTB).
 - 1"C, with pull rope, to Radio Terminal Board (RTB).



ANTENNA MOUNTING DETAIL
A WEST ELEVATION
SCALE 1/4" = 1'-0"

DESIGN BY <i>Jim Torkelson</i> CHECKED <i>Baldev S. Dehal</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5734	WILLOWS MAINTENANCE STATION OFFICE	SHEET EE-6				
			POST MILE			COMMUNICATION PLAN			
DETAILS BY <i>Kathi Andreasen</i> CHECKED <i>Jim Torkelson</i>	UNIT PROJECT NUMBER & PHASE 3614 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)						
QUANTITIES BY <i>Jim Torkelson</i> CHECKED <i>Baldev S. Dehal</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 3E4401	8/25/10	8/27/10	8/27/10	9/7/10	11/7/10	12/1/10	SHEET OF

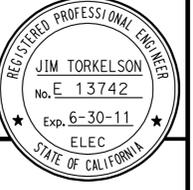
CALIFORNIA STATE FIRE MARSHAL
APPROVED
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 Reviewed by: *[Signature]*
 GARY BLUMENTHAL
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		63	67

Reviewed by: *[Signature]* 12-14-10
 REGISTERED ELECTRICAL ENGINEER DATE

2-22-11
 PLANS APPROVAL DATE

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MAIN: 100-AMPERE, 3-POLE CIRCUIT BREAKER
 VOLTS: 120/208 V, 3 Ø, 4-WIRE

FEEDER SIZE:
 LOCATION: HVAC/ELEC ROOM

PANEL N

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION
	A	B	C								A	B	C	
RECEPT - HVAC/ELEC ROOM & OUTSIDE (SOUTHWEST)	7.5			20/1	1	●			2	20/1	10.0			RECEPT - REFRIGERATOR (NIC)
RECEPT - LOCKER ROOM		6.0		20/1	3		●		4	20/1		7.5		MIS RECEPT - OFFICE/CREW ROOM
RECEPT - CREW/LOCKER ROOM, OUTSIDE (NORTHEAST)			7.5	20/1	5			●	6	20/1			7.5	RECEPT - OFFICE & OUTSIDE (SOUTHEAST)
RECEPT - KITCHENETTE	3.0			20/1	7	●			8	20/1	2.0			TANKLESS WATER HEATER
RECEPT - MEN, WOMEN, & JANITOR		6.0		20/1	9		●		10	20/1		4		LIGHTS - RESTROOMS & JANITOR
LIGHTS - HVAC/ELEC ROOM, LOCKER, & OFFICE			7.5	20/1	11			●	12	20/1			13.0	HEAT/VENT/LIGHT (SHOWER)
LIGHTS - CREW/LOCKER ROOM	2.0			20/1	13	●			14	20/1	5.0			LIGHTS - OUTSIDE
CONDENSING UNIT		21.0		40/2	15		●		16	20/1		4.5		RECEPT - RADIO ROOM
			21.0		17		●		18	20/1			---	
RECEPT - RADIO TERMINAL BOARD (RTB)	6.0			20/1	19	●			20	20/1	14.0			FURNACE
RECEPT - TELEPHONE TERMINAL BOARD (TTB)		6.0		20/1	21		●		22	20/1		---		SPARE
SPARE			---	20/1	23			●	24	20/1		---		SPARE
SPARE	---			20/1	25			●	26	20/1	---			SPARE
SPACE		---		---	27			●	28	---		---		SPACE
SPACE			---	---	29			●	30	---		---		SPACE

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
49.5	55.0	56.5	

LIGHTING FIXTURE SCHEDULE			
TYPE	MANUFACTURER	LAMPS	DESCRIPTION
F1	Crescent AWB Series, Lithonia WP Series, or equal.	(1) 32-Watt T8	Wall mounted fluorescent fixture with one 32-watt T8 lamp, 120 Volts, electronic ballast, and one-piece smooth acrylic wraparound difuser with standard end caps. Fixture shall be UL listed for damp location.
F2	Day-Brite SMR Series, Columbia SM Series, or equal.	(2) 32-Watt T8	Surface mounted fluorescent fixture with two 32-watt T8 lamps, 120 Volts, electronic ballast, and one-piece acrylic wraparound diffuser with sonic welded injection molded luminous ends. Overall width shall not be less than 24 inches.
F3	Capri CM8 Series, Gotham AF Series, or equal.	(1) 26-Watt CFL	Recessed, compact, open reflector fluorescent downlight fixture, with one 26-watt lamp, 120 Volts, electronic ballast and aluminum lampholder housing. Reflector shall be precision spun aluminum. Fixture shall be listed for damp locations.
HPS1	Lithonia AH Series, Williams Lighting OMH Series, or equal.	(1) 50-Watt HPS	Recessed, 50-watt, 120 Volt, high pressure sodium luminaire, with integral ballast.
HPS2	Daybrite CSH Series, Williams Lighting WL2 Series, or equal.	(1) 50-Watt HPS	Outdoor wall mounted, 50-watt, 120 Volt, high pressure sodium luminaire, with integral ballast, with bronze finish. Luminaire shall be UL listed for wet location.

DESIGN	BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>
DETAILS	BY <i>Kathi Andreasen</i>	CHECKED <i>Jim Torkelson</i>
QUANTITIES	BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.
 5734
 POST MILE

WILLOWS MAINTENANCE STATION OFFICE
 PANEL SCHEDULE AND FIXTURE LIGHTING SCHEDULE

SHEET
EE-7

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

Project Name: WILLOWS MAINTENANCE STATION OFFICE		Date: 9/2/2010
Project Address: 939 N. HUMBOLDT STREET WILLOWS, CA 95988	Climate Zone: 11	Building CFA: 0
Unconditioned Floor Area: 0		

General Information

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

Phase of Construction: New Construction Addition Alteration

Method of Compliance: Complete Building Area Category Tailored

Documentation Author's Declaration Statement

I certify that this Certificate of Compliance documentation is accurate and complete.

Name: **JIM TORKELSON** Signature: *Jim A. Torkelson*

Company: **CALIFORNIA DEPARTMENT OF TRANSPORTATION** Date: **9/2/2010**

Address: **1801 30TH STREET** If applicable: CEA #, CEPE #

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-8533**

Principal Lighting Designer's Declaration Statement

I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.

This Certificate of Compliance identifies the lighting features and performance specifications required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.

The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: **JIM TORKELSON** Signature: *Jim A. Torkelson*

Company: **CALIFORNIA DEPARTMENT OF TRANSPORTATION** Phone: **(916) 227-8533**

Address: **1801 30TH STREET** License #: **E 13742**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **9/2/2010**

Lighting Mandatory Measures

Indicate location on building plans of Mandatory Measures Note Block: _____

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

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

LTG-2C Lighting Controls Credit Worksheet

LTG-3C Indoor Lighting Power Allowance

LTG-4C Pages 1 through 4 Tailored Method Worksheet

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

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

INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Project Name: **WILLOWS MAINTENANCE STATION OFFICE** Date: **9/2/2010**

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

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

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

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

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

A	B	C	D	E		F	G	H			
				CEC Default from NA8	According to S 130 (d or e)			Field 2 Inspector	Pass	Fail	
Name of Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Special Features	Watts per Luminaire 1	How wattage was determined	Number of Luminaires	Installed Watts (D x F)					
	F1 F1-1x32, Wall Mounted, ES	<input checked="" type="checkbox"/>	27	<input type="checkbox"/>	2	54	<input type="checkbox"/>	<input type="checkbox"/>			
	F2 F2-2x32, Ceiling Mounted, ES	<input checked="" type="checkbox"/>	53	<input type="checkbox"/>	9	477	<input type="checkbox"/>	<input type="checkbox"/>			
	F3 F3-1x26, Ceiling Mounted	<input type="checkbox"/>	23	<input type="checkbox"/>	2	46	<input type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		

INSTALLED WATTS PAGE TOTAL: **577**

Building total number of pages: **1** Installed Watts Building Total: **577**
 (Sum of all pages)

Enter into LTG-1C Page 4 of 4

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

DIST. 03	COUNTY Gle	LOCATION CODE 5734	POST MILES TOTAL PROJECT	SHEET NO. 64	TOTAL SHEETS 67
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Jim A. Torkelson 12-14-10
 REGISTERED ELECTRICAL ENGINEER DATE

JIM TORKELSON
 No. E 13742
 Exp. 6-30-11
 ELEC
 STATE OF CALIFORNIA

2-22-11
 PLANS APPROVAL DATE

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

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: *Gary Blumenthal*
GARY BLUMENTHAL
 Approval date: 11-23-10

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

Project Name: **WILLOWS MAINTENANCE STATION OFFICE** Date: **9/2/2010**

Project Address: **939 N. HUMBOLDT STREET
WILLOWS, CA 95988** Total Hardscape Illuminated Area:

General Information
Phase of Construction: New Construction Addition Alteration

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

Name: **JIM TORKELOSON** Signature: *Jim A. Torkelson*

Company: **CALIFORNIA DEPARTMENT OF TRANSPORTATION** Date: **9/2/2010**

Address: **1801 30TH STREET** If applicable: CEA # CEPE #

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-8533**

Principal Lighting Designer's Declaration Statement

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

Name: **JIM TORKELOSON** Signature: *Jim A. Torkelson*

Company: **CALIFORNIA DEPARTMENT OF TRANSPORTATION** Phone: **(916) 227-8533**

Address: **1801 30TH STREET** License # **E 13742**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **9/2/2010**

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

Outdoor Lighting Mandatory Measures
Indicate location on building plans of Mandatory Measures Note Block: _____

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

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

OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittal.

OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.

OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans.

OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

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

Project Name: **WILLOWS MAINTENANCE STATION OFFICE** Date: **9/2/2010**

INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.) Field Inspection

CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection

Luminaire Schedule				Installed Watts						
A	B	C	D	E	F		G	H	I	
Name Or Item Tag	Luminaire Description ¹ (i.e., lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Pass	Fail
					Default from NA-8	According to S 130 (d or e)				
HPS1	Canopy recessed, 1x70 watt, high pressure sodium		74	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	294	<input type="checkbox"/>	<input type="checkbox"/>
HPS2	Wall mounted, 1x70 watt, high pressure sodium		74	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	74	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts:								368		

1. Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e.: fluorescent incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballast per luminaire. For incandescent luminaires the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire. NOT the wattage of the lamp (bulb) used, in accordance with Section 130 (d or e).

2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES Field Inspection

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

MANDATORY CONTROLS Field Inspection

#	Description	Location	#	Description	Location
	PEC, Se	Exterior door, Electrical Rm			
	PEC, SC, S ^d , DTS	Exterior door/Canopy			

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

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

Field Inspector Notes or Discrepancies:

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		66	67

12-14-10 DATE

REGISTERED ELECTRICAL ENGINEER

JIM TORKELOSON
No. E 13742
Exp. 6-30-11
ELEC
STATE OF CALIFORNIA

2-22-11
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Gary Blumenthal*
GARY BLUMENTHAL
Approval date: 11-23-10

DESIGN BY <i>Jim Torkelson</i> CHECKED <i>Baldev S. Dehal</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5734 POST MILE	WILLOWS MAINTENANCE STATION OFFICE TITLE 24 COMPLIANCE NO. 3	SHEET OF EE-10
DETAILS BY <i>Kathi Andreasen</i> CHECKED <i>Jim Torkelson</i>		UNIT PROJECT NUMBER & PHASE 3614 03000200001	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES BY <i>Jim Torkelson</i> CHECKED <i>Baldev S. Dehal</i>		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 3E4401	3/18/10 12/14/10	OF

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28-FEB-2011 10:51

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

Project Name: **WILLOWS MAINTENANCE STATION OFFICE** Date: **9/2/2010**

A. OUTDOOR LIGHTING ZONE

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

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

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

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

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

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

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

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

C. ACCEPTANCE FORMS

Required Acceptance Tests

Designer:

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

Enforcement Agency:

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

Certificate of Acceptance

		Luminaires Controlled		OLTG-2A ¹
Equipment Requiring Testing	Description	Number of Like Controls	Location	Outdoor Lighting Acceptance Tests
PEC	Photoelectric Control	1	South exterior	
SE, SC	Selector Switch	2	HVAC/Electrical Room, Crew Room	
SD, DTS	Digital Timer Switch	1	Crew Room	

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

2008 Nonresidential Compliance Forms

August 2009

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

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: **WILLOWS MAINTENANCE STATION OFFICE** Date: **9/2/2010**

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

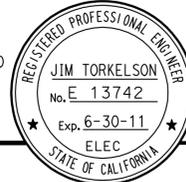
		Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3)	
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)	
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3)	223
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)	
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3)	
G	Total Allowed Wattage = Sum of rows A through F:	
H	Total installed Watts (from Luminaire Schedule, (from OLTG-1C (Page 2 of 4)	212

Complies if installed Wattage in row H is less than or equal to the Total Installed Wattage in row G Yes No

2008 Nonresidential Compliance Forms

August 2009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Gle	5734		67	67

REGISTERED ELECTRICAL ENGINEER DATE 12-14-10

 2-22-11
 PLANS APPROVAL DATE

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 Reviewed by: 
 GARY BLUMENTHAL
 Approval date: 11-23-10

DESIGN	BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>
DETAILS	BY <i>Kathi Andreasen</i>	CHECKED <i>Jim Torkelson</i>
QUANTITIES	BY <i>Jim Torkelson</i>	CHECKED <i>Baldev S. Dehal</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.
5734
POST MILE

WILLOWS MAINTENANCE STATION OFFICE

TITLE 24 COMPLIANCE NO. 4

SHEET
EE-11