

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5704		1	41



INDEX OF PLANS

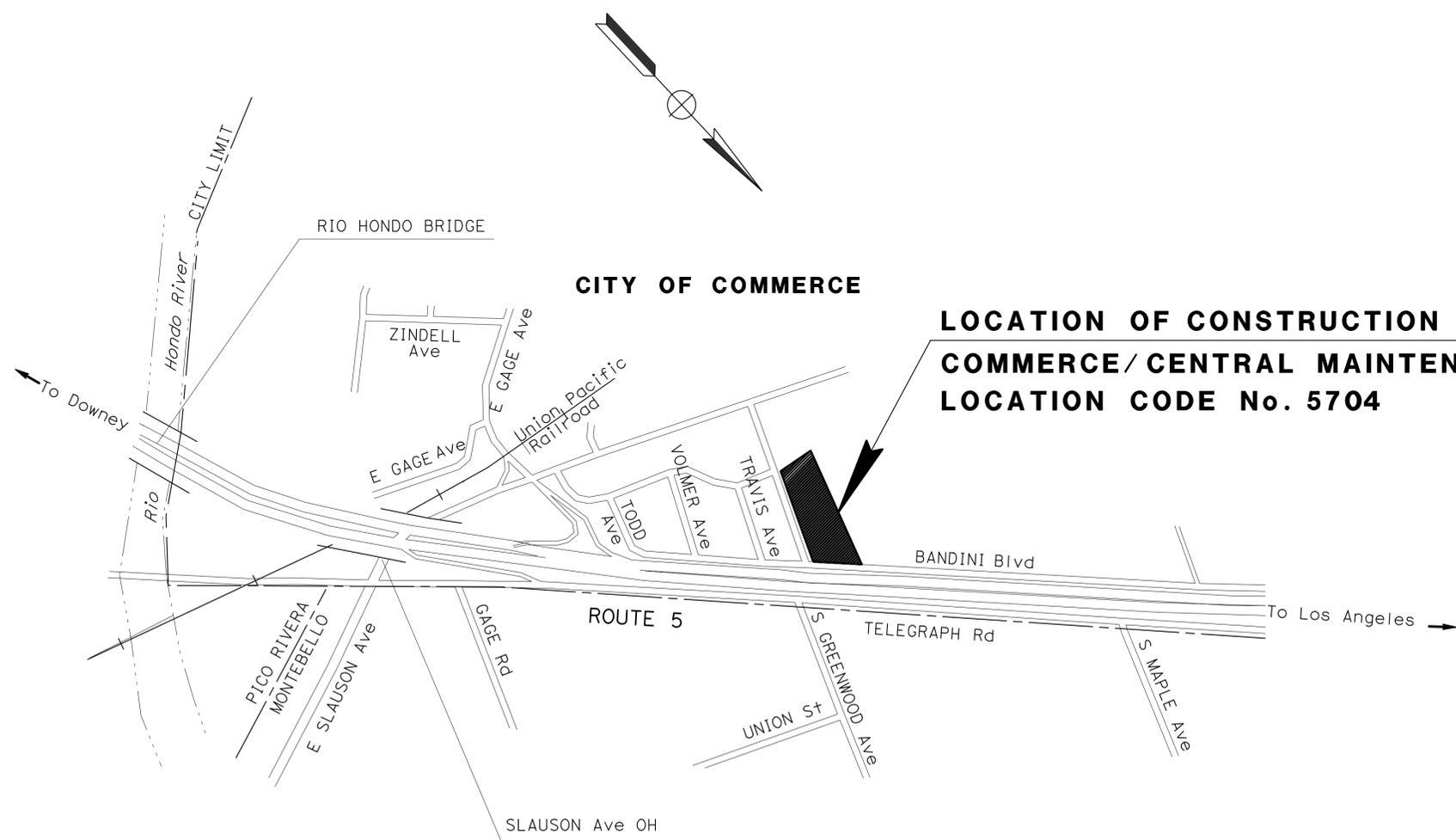
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-4	REVISED STANDARD PLANS
BUILDING PLANS	
5	GENERAL PLAN
6-12	ARCHITECTURAL PLANS
13-22	STRUCTURAL PLANS
23-30	ELECTRICAL PLANS
31-41	SANITARY PLANS

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 LOS ANGELES COUNTY  
IN CITY OF COMMERCE AT THE  
COMMERCE/CENTRAL MAINTENANCE STATION  
AT 7300 EAST BANDINI BOULEVARD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



NO SCALE

PROJECT MANAGER CHRISTIAN SAM
DESIGN ENGINEER SHAFTOUL ISLAM

Rania Wassily 1-30-13  
PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER  
April 29, 2013  
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.	07-1W5204
PROJECT ID	0712000272

	<b>M</b>	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	<b>N</b>	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	<b>O</b>	
Obir	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	<b>P</b>	
p	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	<b>P continued</b>	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PREFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	<b>Q</b>	
Qty	QUANTITY	
	<b>R</b>	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	<b>S</b>	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Sht	SHEET	
Sim	SIMILAR	
SL	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	<b>T</b>	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
Tot	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	<b>T continued</b>	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	
	<b>U</b>	
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	
	<b>V</b>	
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	
	<b>W</b>	
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWL	WINGWALL LAYOUT LINE	
	<b>X</b>	
X Sec	CROSS SECTION	
Xing	CROSSING	
	<b>Y</b>	
Yr	YEAR	
Yrs	YEARS	

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07	LA	5704		2	41

*Grace M. Tsushima*  
REGISTERED CIVIL ENGINEER

July 19, 2013  
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Grace M. Tsushima  
 No. C49814  
 Exp. 9-30-14  
 CIVIL  
 STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-29-13

**UNIT OF MEASUREMENT SYMBOLS:**

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

**TABLE A**

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

**TABLE B**

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft <sup>3</sup> , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
Ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

\* For use on a sign panel only

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS  
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B  
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

**LEGEND:**

<b>AB</b>	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
<b>BC</b>	INSTALL PULL BOX IN EXISTING CONDUIT RUN
<b>BP</b>	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
<b>CB</b>	INSTALL CONDUIT INTO EXISTING PULL BOX
<b>CC</b>	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
<b>CF</b>	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
<b>DH</b>	DETECTOR HANDHOLE
<b>FA</b>	FOUNDATION TO BE ABANDONED
<b>IS</b>	INSTALL SIGN ON SIGNAL MAST ARM
<b>NS</b>	NO SLIP BASE ON STANDARD
<b>PEC</b>	PHOTOELECTRIC CONTROL
<b>PEU</b>	PHOTOELECTRIC UNIT
<b>RC</b>	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
<b>RE</b>	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
<b>RL</b>	RELOCATE EQUIPMENT
<b>RR</b>	REMOVE AND REUSE EQUIPMENT
<b>RS</b>	REMOVE AND SALVAGE EQUIPMENT
<b>SC</b>	SPLICE NEW TO EXISTING CONDUCTORS
<b>SD</b>	SERVICE DISCONNECT
<b>TSP</b>	TELEPHONE SERVICE POINT

**ABBREVIATIONS**

APS	ACCESSIBLE PEDESTRIAN SIGNAL	M/M	MULTIPLE TO MULTIPLE TRANSFORMER
BBS	BATTERY BACKUP SYSTEM	Mtg	MOUNTING
BC	BOLT CIRCLE	MV	MERCURY VAPOR LIGHTING FIXTURE
BPB	BICYCLE PUSH BUTTON	MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
C	CONDUIT	N	NEUTRAL (GROUNDED CONDUCTOR)
CB	CIRCUIT BREAKER	NB	NEUTRAL BUS
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSE
Ckt	CIRCUIT	NO	NORMALLY OPEN
CMS	CHANGEABLE MESSAGE SIGN	P	CIRCUIT BREAKER'S POLE
Ctid	CALTRANS IDENTIFICATION	PB	PULL BOX
Comm	COMMUNICATION	PBA	PUSH BUTTON ASSEMBLY
DLC	LOOP DETECTOR LEAD-IN CABLE	PEC	PHOTOELECTRIC CONTROL
EMS	EXTINGUISHABLE MESSAGE SIGN	Ped	PEDESTRIAN
EVUC	EMERGENCY VEHICLE UNIT CABLE	PEU	PHOTOELECTRIC UNIT
EVUD	EMERGENCY VEHICLE UNIT DETECTOR	PT	CONDUIT WITH PULL TAPE
FB	FLASHING BEACON	RE	RELOCATED EQUIPMENT
FBCA	FLASHING BEACON CONTROL ASSEMBLY	RM	RAMP METERING
FBS	FLASHING BEACON WITH SLIP BASE	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
FO	FIBER OPTIC	SB	SLIP BASE
G	EQUIPMENT GROUNDING CONDUCTOR	SIC	SIGNAL INTERCONNECT CABLE
GB	GROUND BUS	Sig	SIGNAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SMA	SIGNAL MAST ARM
HAR	HIGHWAY ADVISORY RADIO	SNS	STREET NAME SIGN
Hex	HEXAGONAL	SP	SERVICE POINT
HPS	HIGH PRESSURE SODIUM	TDC	TELEPHONE DEMARCATION CABINET
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN	TMS	TRAFFIC MONITORING STATION
ISL	INDUCTION SIGN LIGHTING	TOS	TRAFFIC OPERATIONS SYSTEM
LED	LIGHT EMITTING DIODE	Veh	VEHICLE
LMA	LUMINAIRE MAST ARM	VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
LPS	LOW PRESSURE SODIUM	WIM	WEIGH-IN-MOTION
Ltg	LIGHTING	Xfmr	TRANSFORMER
Lum	LUMINAIRE		
M	METERED		
MAT	MAST ARM MOUNTING TOP ATTACHMENT		
MAS	MAST ARM MOUNTING SIDE ATTACHMENT		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5704		3	41

*Theresa Gabriel*  
REGISTERED ELECTRICAL ENGINEER

July 19, 2013  
PLANS APPROVAL DATE

Theresa Aziz Gabriel  
No. E15129  
Exp. 6-30-14  
ELECTRICAL  
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-29-13

**SOFFIT AND WALL MOUNTED LUMINAIRES**

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

**NOTE:**  
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
$\Omega$	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
$\mu$	MICRO
P	PICO
Hz	HERTZ

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)**

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-1A**

**MISCELLANEOUS ELECTROLIERS**

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

**NOTES:**

- HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

**STANDARD ELECTROLIER**

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

2010 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		4	41

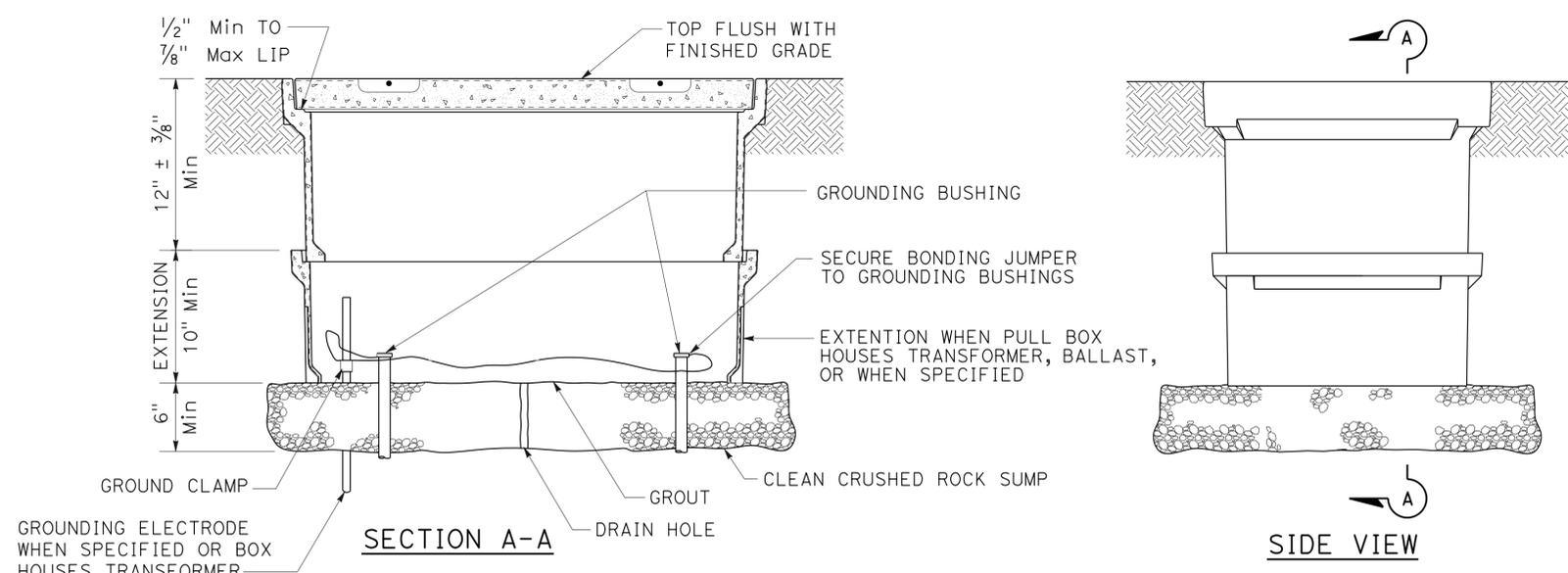
Theresa Gabriel  
REGISTERED ELECTRICAL ENGINEER

July 19, 2013  
PLANS APPROVAL DATE

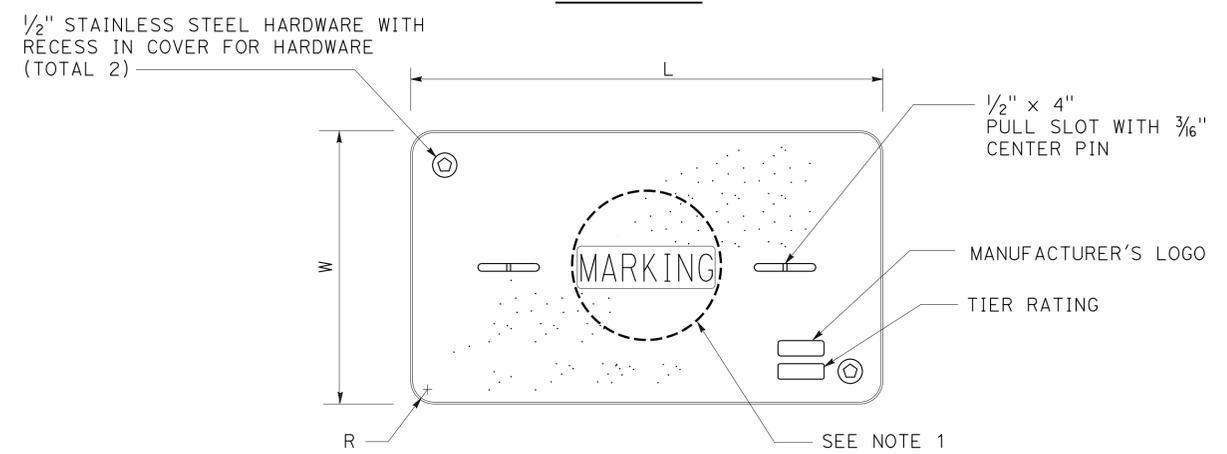
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STATE OF CALIFORNIA

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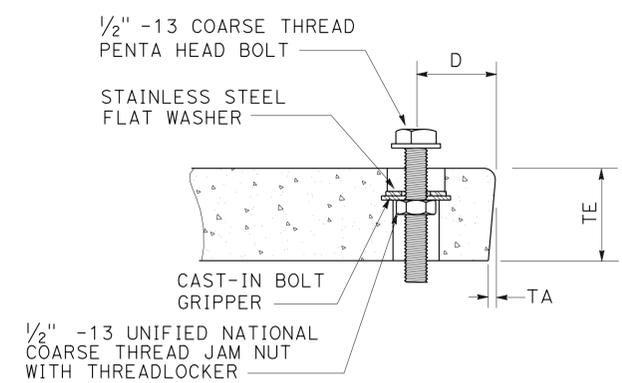
TO ACCOMPANY PLANS DATED 4-29-13



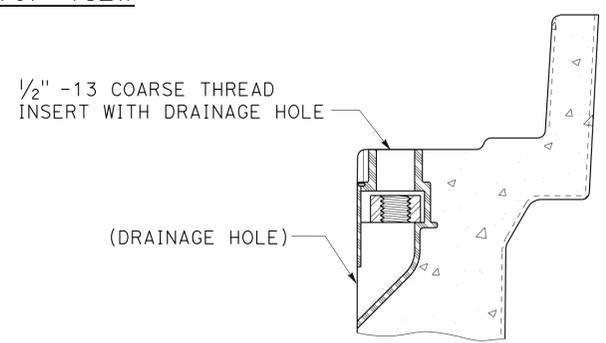
**INSTALLATION DETAILS**  
**DETAIL A**



**COVER TOP VIEW**



**TYPICAL COVER CAPTIVE BOLT**  
**OR SIMILAR**



**TYPICAL THREADED INSERT**  
**OR SIMILAR**

**NOTES:**

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

DIMENSION TABLE										
PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3 1/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(NON-TRAFFIC PULL BOX)**  
NO SCALE

RSP ES-8A DATED JULY 19, 2013 SUPERSEDES RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-8A**

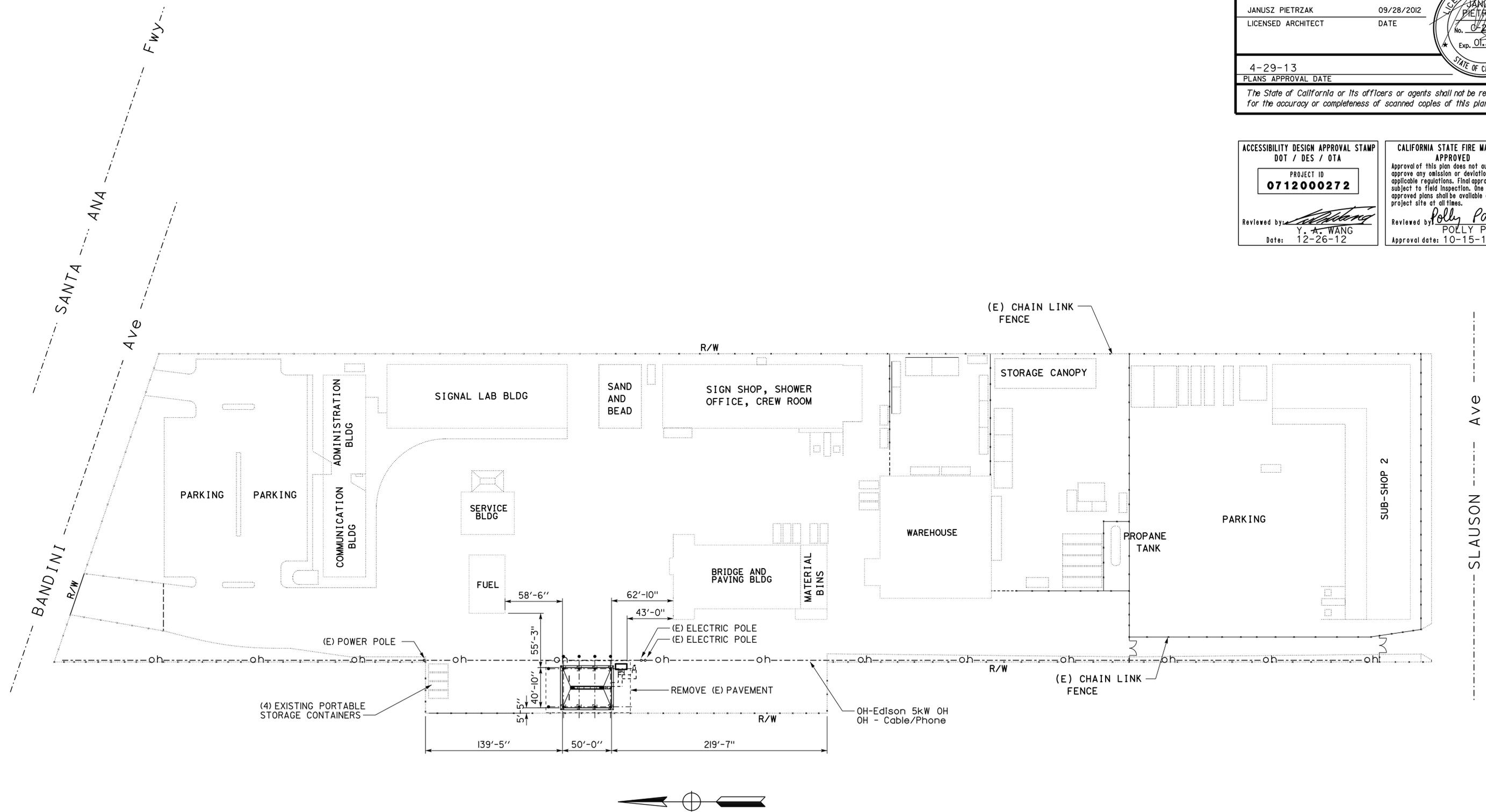
2010 REVISED STANDARD PLAN RSP ES-8A

NOTE:

For accurate right of way data, contact right of way engineer at district office.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		5	41
JANUSZ PIETRZAK LICENSED ARCHITECT			09/28/2012 DATE		
4-29-13 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.					

<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA PROJECT ID <b>0712000272</b>	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. The set of approved plans shall be available on the project site at all times.
Reviewed by: Y. A. WANG Date: 12-26-12	Reviewed by: POLLY PARENTI Approval date: 10-15-12

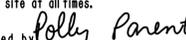


**SITE PLAN**  
1" = 50'

DESIGN SUPERVISOR	DESIGNER JANUSZ PIETRZAK	CHECKED BY DON ALSEY	<b>SHEET LEGEND</b> 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. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>		SHEET OF <b>GP</b>
DESIGN ARCHITECT	DRAWN BY C R ZERIO	STRUCTURAL REVIEW				POST MILE N/A	GENERAL PLAN	GENERAL PLAN	
a0_00_gp_1.dgn TAEMWW Imperial Rev. 7/10			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X
25-MAR-2014 11:31			EA 07-LA-5-5704						a0_00_gp_1.dgn

25-MAR-2014 11:31

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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JANUSZ PIETRZAK			09/28/2012		
LICENSED ARCHITECT			DATE		
4-29-13					
PLANS APPROVAL DATE					
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<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA PROJECT ID <b>0712000272</b> Reviewed by:  Y. A. WANG Date: 12-26-12	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> 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:  POLLY PARENTI Approval date: 10-15-12
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## SHEET INDEX

ARCHITECTURAL	STRUCTURAL	ELECTRICAL	WATER/WASTE WATER
X TITLE SHEET	ST-1 LEGEND ST-2 CONCRETE STANDARD	EE0-0 LEGEND EE0-1 LEGEND EE0-2 OLTG COMPLIANCE FORMS - 1 & 2 OF 4 EE0-3 OLTG COMPLIANCE FORMS - 3 & 4 OF 4	SS-0 NOTES, LEGEND & ABBREVIATIONS
GP GENERAL PLAN			
AO-0.1 SHEET INDEX AO-0.2 ARCHITECTURAL ABBREVIATIONS, SYMBOLS	ST1-0 DESIGN CRITERIA AND DETAIL NOTES ST1-1 FOUNDATION PLAN ST1-2 ROOF FRAMING PLAN ST1-3 MAIN SECTION ST1-4 FOUNDATION DETAILS ST1-5 ROOF FRAMING DETAIL ST1-6 ROOF FRAMING DETAILS ST1-7 STORAGE SECTION AND DETAILS	EE1-1 SITE PLAN EE1-2 POWER PLAN EE1-3 LIGHTING PLAN EE1-4 PANEL SCHEDULE	SS-1-1 EXISTING WASHRACK  SS-2-1 PROPOSED WASHRACK SS-2-2 WASHRACK PLAN SS-3 OIL-SAND/WATER SEPARATOR & CLARIFIER TANK SS-4 DETAILS SS-5 DETAILS SS-6 DETAILS SS-7 DETAILS SS-8 DETAILS SS-9 INTERCEPTOR PLAN

DESIGN BY JANUSZ PIETRZAK CHECKED DON ALSEY DETAILS BY C R ZERIO CHECKED DON ALSEY QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>  INDEX SHEET INDEX	SHEET	
			POST MILE N/A		A0-0.1	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3600 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X
a0_01_index.dgn TAEMWW Imperial Rev. 7/10 25-MAR-2014 11:31		EA 07-LA-5-5704		a0_01_index.dgn		

25-MAR-2014 11:31

# ARCHITECTURAL ABBREVIATIONS

&	AND	EPS	EXPANDED POLYSTYRENE	LBS	POUNDS	RO	ROUGH OPENING
L	ANGLE	EQ	EQUAL	LF	LINEAR FEET	RSWN	RESAWN
∅	CENTER LINE	EQUIP	EQUIPMENT	LKR	LOCKER	RTE	ROUTE
∅	DIAMETER	ESCL	ESCALATOR	LLV	LONG LEG VERTICAL	RW	RETAINING WALL
□	OR ROUND SQUARE	ETW	EDGE OF TRAVEL WAY	LOL	LAYOUT LINE	RWL	RAINWATER LEADER
d	PENNY	EWC	ELECTRIC WATER COOLER	LPG	LIQUEFIED PETROLEUM GAS	S	SOUTH
°	DEGREE	EW/FD	EYE WASH WITH FLOOR DRAIN	LS	LAG SCREW	SC	SOLID CORE
ADA	AMERICANS WITH DISABILITIES ACT	LVR	LOUVER	M	METER	SCHED	SCHEDULE
A/C	AIR CONDITIONING	EXT	EXPOSED, EXPOSURE EXTERIOR	MAT	MATERIAL	SD	SOAP DISPENSER
AC	ASPHALT CONCRETE	EXP	EXPANSION	MAX	MAXIMUM	SDST	SELF DRILLING SELF TAPPING SQUARE FEET
AB	ANCHOR BOLT	EXPO	EXPOSED, EXPOSURE EXTERIOR	MB	MACHINE BOLT	SF	SHELF
ABV	ABOVE	EXT	EXPOSED, EXPOSURE EXTERIOR	MBR	MEMBER	SH	SHOWER
ACOUS	ACOUSTICAL	EXT	EXPOSED, EXPOSURE EXTERIOR	MECH	MECHANICAL	SHT	SHEET
ADJ	ADJUSTABLE	FD	FLOOR DRAIN	MEMB	MEMBRANE	SHTG	SHEATHING
ALT	ALTERNATE	FDN	FOUNDATION	MFR	MANUFACTURER	SIM	SIMILAR
ALUM	ALUMINUM	FE	FIRE EXTINGUISHER BRACKET MOUNTED	MGR	MANAGER	SL	SCORE LINE
APA	AMERICAN PLYWOOD ASSOCIATION	FEC	FIRE EXTINGUISHER CABINET	MH	MAN HOLE	SMS	SHEET METAL SCREW
ARCH	ARCHITECTURAL, ARCHITECT	FF	FINISH FLOOR	MH	MAN HOLE	SOHD	SECTIONAL OVERHEAD DOOR
ASPH	ASPHALT	FG	FINISH GRADE	MIN	MINIMUM	SPS	SPECIFICATION
BD	BOARD	FH	FIRE HYDRANT	MIR	MIRROR	SS	STRUCTURAL PLYWOOD SHEATHING
BIT	BITUMINOUS	FHC	FIRE HOSE CABINET	MISC	MISCELLANEOUS	SST	SQUARE
BLDG	BUILDING	FHMS	FLATHEAD METAL SCREW	MIW	MALLEABLE IRON WASHER	STA	STAINLESS STEEL STATION
BLK	BLOCK	FHWS	FLATHEAD WOOD SCREW	mm	MILLIMETER	STAG	STAGGER STANDARD
BLKG	BLOCKING	FIN	FINISH	MO	MASONRY OPENING MOUNTED	STD	STANDARD STOREFRONT
BM	BEAM	FJ	FLOOR JOIST	MTD	MOUNTED	STL	STEEL
BN	BOUNDARY NAILING	FLASH	FLASHING	MUL	MULLION	STOR	STORAGE
BOT	BOTTOM	FLR	FLOOR	N	NORTH	STRUC	STRUCTURAL SUSPENDED
BR	BRIDGE	FLUOR	FLUORESCENT	ND	NAPKIN DISPOSAL	SUSP	SUSPENDED
BTM	BOTTOM	FOC	FACE OF CONCRETE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	T	TREAD
BTWN	BETWEEN	FOF	FACE OF FINISH	NO	NUMBER	T&G	TONGUE & GROOVE
BUR	BUILT-UP-ROOFING	FOM	FACE OF MASONRY	NOM	NOMINAL	TB	TOLL BOOTH
CJ	CONTROL JOINT	FOS	FACE OF STUD	NTS	NOT TO SCALE	TEL	TELEPHONE
CL	CHAIN LINK	FRMG	FRAMING	OBSC	OBSCURE	TEMP	TEMPERED
CAB	CABINET	FRPP	FIBERGLASS REINFORCED PLASTIC PANEL	OC	ON CENTER	TER	TERRAZZO
CB	CATCH BASIN	FT	FEET, FOOT	OD	OUTSIDE DIAMETER	THK	THICK
CEM	CEMENT	FTG	FOOTING	OFF	OFFICE	THLD	THRESHOLD
CER	CERAMIC	FURR	FURRING	OFD	OVERFLOW DRAIN	TJ	TOOLED JOINT
CH	CLOTHES HOOK	FWY	FREEWAY	OG	ORIGINAL GROUND	TKBD	TACKBOARD
CIDH	CAST IN DRILLED HOLE	GA	GAUGE	OH	OPPOSITE HAND	TN	TOE NAIL
CIP	CAST IN PLACE	GAL	GALLON	OHD	OVERHEAD	TNVM	TAMPON/NAPKIN VENDING MACHINE
CKBD	CHALKBOARD	GALV	GALVANIZED	OHWS	OVERHEAD WOOD SCREW	TOC	TOP OF CURB OR CONCRETE
CLG	CEILING	GB	GRAB BAR	OP	OPERATIONS	TOP	TOP OF PAVEMENT
CMU	CONCRETE MASONRY UNIT	GI	GALVANIZED IRON	OPNG	OPENING	TOS	TOE OF SLOPE
CLO	CLOSET	GL	GLASS	OPP	OPPOSITE	TOT	TOTAL
CLR	CLEAR	GLM	GLUE LAMINATED MEMBER	OPT	OPTION, OPTIONAL	TOW	TOP OF WALL
COL	COLUMN	GLZ	GLAZING	P	PITCH	TS	TUBE STEEL
CONC	CONCRETE	GR	GRADE	PB	POST BASE	TSCD	TOILET SEAT COVER DISPENSER
CONN	CONNECTION	GSM	GALVANIZED SHEET METAL	PC	POST CAP	TTD	TOILET TISSUE DISPENSER
CONST	CONSTRUCTION	GYP	GYP SUM	PCC	PORTLAND CEMENT CONCRETE	TTY	TELETYPEWRITER TYPICAL
CONT	CONTINUOUS	GYP SHTG	GYP SUM SHEATHING	PDF	POWDER DRIVEN FASTENERS	UNF	UNFINISHED UNLESS OTHERWISE NOTED
CORR	CORRIDOR	HB	HOSE BIB	PH	PHILLIPS HEAD	UON	UNLESS OTHERWISE NOTED
CPT	CARPET	HC	HOLLOW CORE	PL	PLATE	UR	URINAL
CT	CERAMIC TILE	HD	HEAD, HOLD DOWN	PLAM	PLASTIC LAMINATE	VAR	VARIES
CTR	CENTER	HDR	HEADER	PLAS	PLASTER	VCT	VINYL COMPOSITION TILE
CTSK	COUNTERSUNK	HDWD	HARDWOOD	PLYWD	PLYWOOD	VERT	VERTICAL
CY	CUBIC YARD	HW	HANGAR	PMF	PRESSED METAL FRAME	VEST	VESTIBULE
DBL	DOUBLE	HORIZ	HORIZONTAL	PR	PAIR	VR	VENT RISER
DEPT	DEPARTMENT	HP	HIGH POINT	PRTN	PARTITION	VTR	VENT THRU ROOF
DET	DETAIL	HR	HOUR	PT	POINT	W	WEST
DF	DOUGLAS FIR	HSB	HIGH STRENGTH BOLT	PTD	PAPER TOWEL DISPENSER	W/	WITH
DIA	DIAMETER	HSS	HOLLOW STRUCTURAL SECTION	PTD/R	PAPER TOWEL DISPENSER /RECEPTACLE	W/O	WITHOUT
DIM	DIMENSION	HT	HEIGHT	PVC	POLYVINYL CHLORIDE	WC	WATER CLOSET
DN	DOWN	HVAC	HEATING, VENTILATING, AIR CONDITIONING	PWB	PREFABRICATED WOOD I BEAM	WD	WOOD
DP	DEEP	HWY	HIGHWAY	QT	QUARRY TILE	WDW	WINDOW
DR	DOOR	ID	INSIDE DIAMETER	(R)	RELOCATED	WH	WATER HEATER
DS	DOWNSPOUT	IN	INCH	R	RADIUS, RISER	WP	WORKING POINT
DWG	DRAWING	INFO	INFORMATION	R/W	RIGHT OF WAY	WR	WATER RESISTANT
DWR	DRAWER	INSUL	INSULATION	RD	ROOF DRAIN	WSCT	WAINSCOT
(E)	EXISTING	INT	INTERIOR	RDWD	REDWOOD	WT	WEIGHT
E	EAST	JAN	JANITOR	REF	REFERENCE	WTPR	WATERPROOFING
EA	EACH	JB	JUNCTION BOX	REFG	REFRIGERATOR	WWF	WELDED WIRE FABRIC
EF	EXHAUST FAN	JH	JOIST HANGER	REINF	REINFORCED(ING)	YD	YARD
EHD	ELECTRIC HAND DRYER	JST	JOIST	REQ	REQUIRED		
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	JT	JOINT	RFG	ROOFING		
EJ	EXPANSION JOINT	KIT	KITCHEN	RFSWN	ROUGHSAWN		
EL	ELEVATION (HEIGHT)	LAB	LABORATORY	RH	ROUND HEAD		
ELEC	ELECTRICAL	LAV	LAVATORY	RHWS	ROUND HEAD WOOD SCREWS		
ELEV	ELEVATION (VIEW)	LBF	POUND-FORCE	RJ	ROOF JOIST		
ELVR	ELEVATOR			RM	ROOM		
EMER	EMERGENCY						
ENCL	ENCLOSURE						
EP	EDGE OF PAVEMENT						
EPB	ELECTRICAL PANELBOARD						

## DESIGN CRITERIA

THE BUILDING WORK FOR THIS PROJECT HAS BEEN DESIGN TO CONFORM TO THE 2010 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS: PART 2 - CALIFORNIA BUILDING CODE 2010, PART 3 - CALIFORNIA ELECTRICAL CODE 2010, PART 4 - CALIFORNIA MECHANICAL CODE 2010, PART 5 - CALIFORNIA PLUMBING CODE 2010, PART 6 - CALIFORNIA ENERGY CODE 2010, PART 9 - CALIFORNIA FIRE CODE 2010. AND 2010 ADA STANDARDS

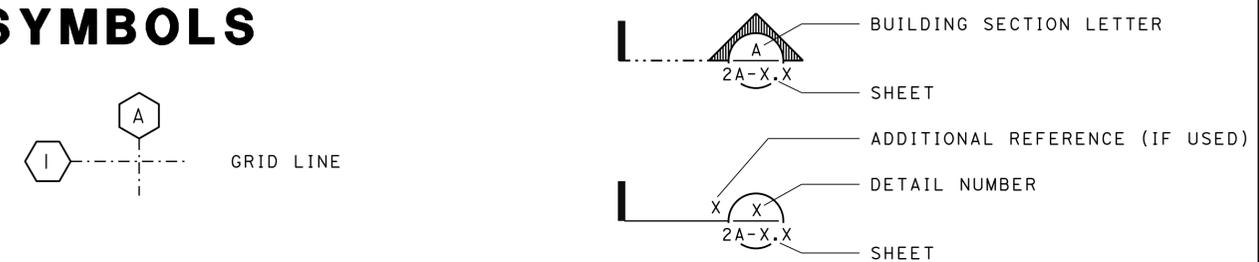
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		7	41
DESIGNER		DATE		SHEET NO.	
JANUSZ PIETRZAK		09/28/2012		7	
LICENSED ARCHITECT		DATE		SHEET NO.	
				7	
					
4-29-13					
PLANS APPROVAL DATE					
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## GENERAL NOTES

- The contractor will verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.
- The contractor will notify the engineer in writing of any discrepancies between these plans and actual measurements or field conditions.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA	CALIFORNIA STATE FIRE MARSHAL APPROVED
PROJECT ID <b>0712000272</b>	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Y. A. WANG Date: 12-26-12	Reviewed by:  POLLY PARENTI Approval date: 10-15-12

## SYMBOLS



## SCOPE OF WORK

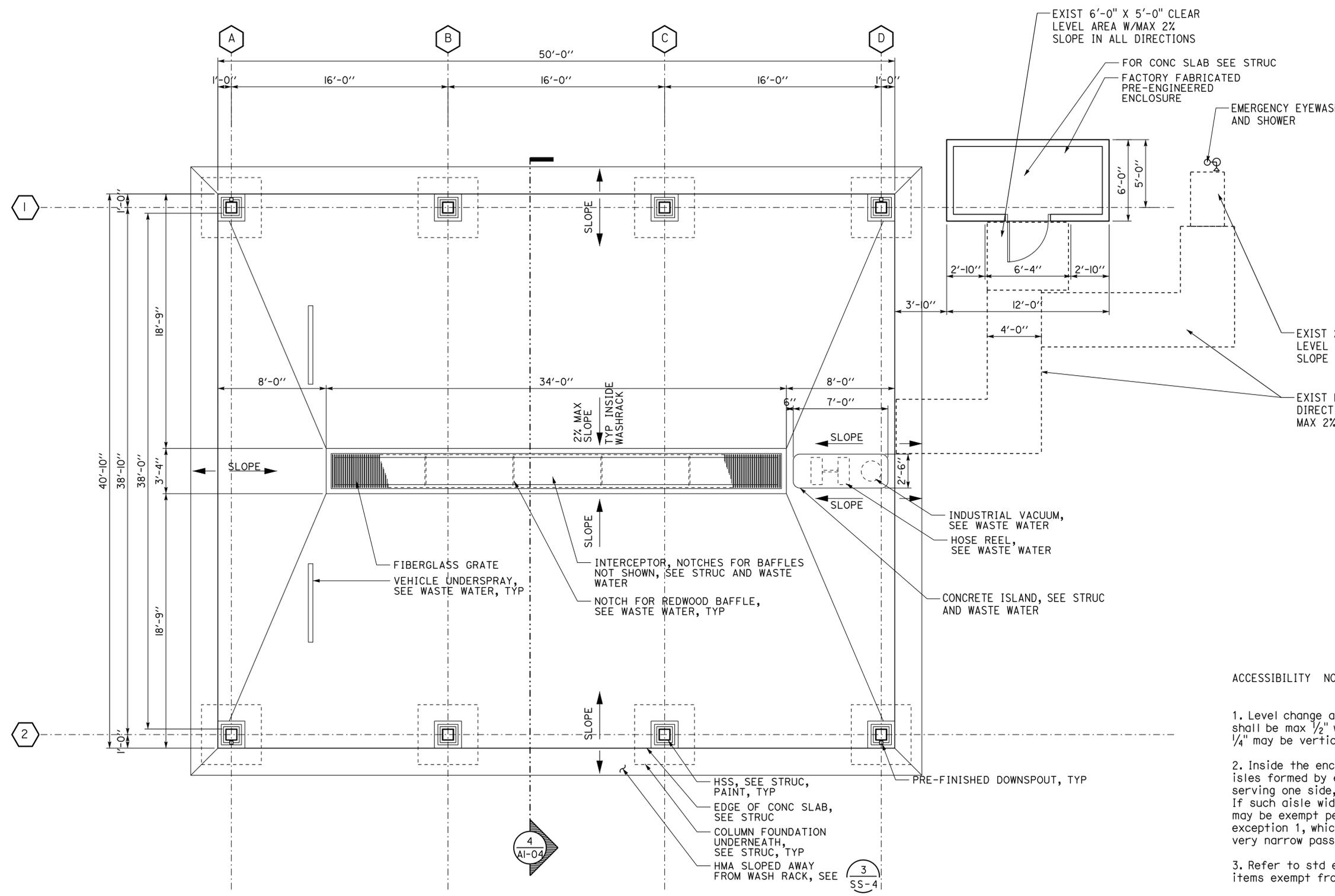
- Construct new washrack and wash/fuel building

BUILDING DATA THIS PROJECT IS IN COMPLIANCE													
	OCCUPANCY	CONSTRUCTION TYPE	NUMBER OF STORIES	BUILDING HEIGHT	BUILDING AREA	AREA OF PROJECT	ALLOWABLE AREA	AREA OR HEIGHT INCREASES	FIRE SPRINKLERED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS IF ANY	SMOKE CONTROL SYSTEM	OCCUPANT LOAD
WASH RACK	B	V-B	1	25'-0"	2042 S.F.	2042 S.F.	9000 S.F.	NO	NOT REQ'D	NOT REQ'D	NO	NOT REQ'D	0

DESIGN SUPERVISOR	DESIGNER	CHECKED BY	SHEET LEGEND	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	CENTRAL BANDINI WASHRACK		SHEET
	JANUSZ PIETRZAK	DON ALSEY	A-I ARCHITECTURAL M-I MECHANICAL P-I PLUMBING	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	53M5704	ARCHITECTURAL ABBREVIATIONS, SYMBOLS		A0-0.2
DESIGN ARCHITECT	DRAWN BY	STRUCTURAL REVIEW	ST-I STRUCTURAL EE-I ELECTRICAL WW-I WASTEWATER			N/A	ARCHITECTURAL ABBREVIATIONS, SYMBOLS		
a0_02_arch_abv_blg_data.dgn	C R ZERIO			UNIT	3600	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
TAEMWW Imperlal Rev. 7/10	25-MAR-2014	11:31	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	PROJECT NUMBER & PHASE	07120002721	-		X X
						EA 07-LA-5-5704		a0_02_arch_abv_blg_data.dgn	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		8	41
JANUSZ PIETRZAK LICENSED ARCHITECT			09/28/2012 DATE		
4-29-13 PLANS APPROVAL DATE					
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**ACCESSIBILITY NOTES**

1. Level change at doorway, including threshold thickness, shall be max 1/2" w/max 1:2 slope. Level change not exceeding 1/4" may be vertical.
2. Inside the enclosure, every effort shall be made to have aisles formed by equipment and walls to be min 36" wide if serving one side, and min 44" wide if serving both sides. If such aisle width cannot be maintained then the enclosure may be exempt per 2012 CA bldg code section 1103B.1 exception 1, which exempt space accessed only be very narrow passageway, among others.
3. Refer to std exemption document on file for applicable items exempt from access compliance.

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

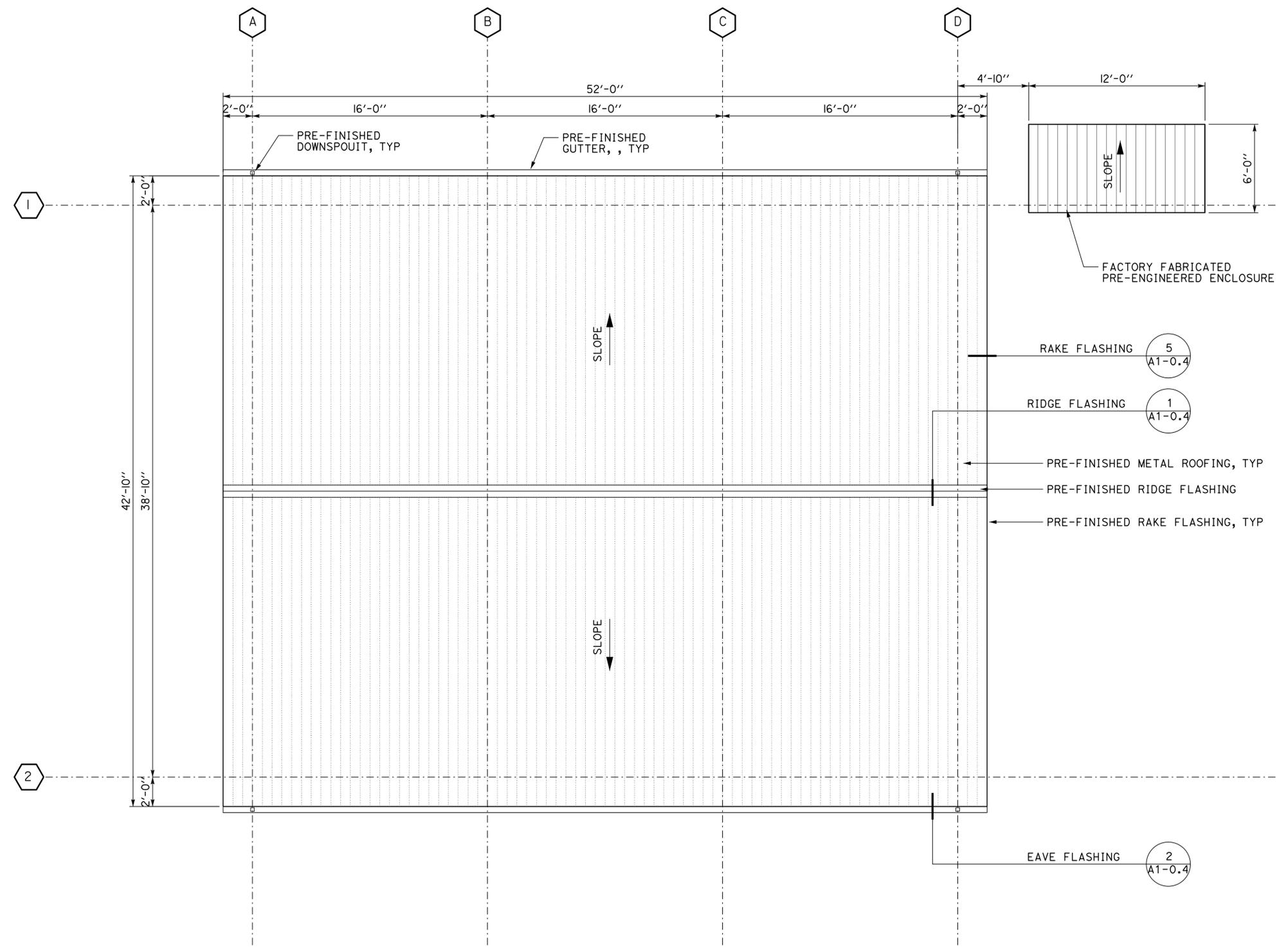
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	DETAILS BY C R ZERIO	CHECKED DON ALSEY		PROJECT NUMBER & PHASE 3600 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3			UNIT PROJECT NUMBER & PHASE	

25-MAR-2014 11:31



DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		10	41
JANUSZ PIETRZAK LICENSED ARCHITECT			09/28/2012 DATE		
4-29-13 PLANS APPROVAL DATE					
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Reviewed by: <i>Y. A. Wang</i> <b>Y. A. WANG</b> Date: 12-26-12	



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

a1_03_roof_pln.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY JANUSZ PIETRZAK	CHECKED DON ALSEY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b> WASH RACK	SHEET OF <b>A1-0.3</b>
	DETAILS BY C R ZERIO	CHECKED DON ALSEY		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE N/A		
25-MAR-2014 11:31	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 0712000271	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X
EA 07-LA-5-5704							

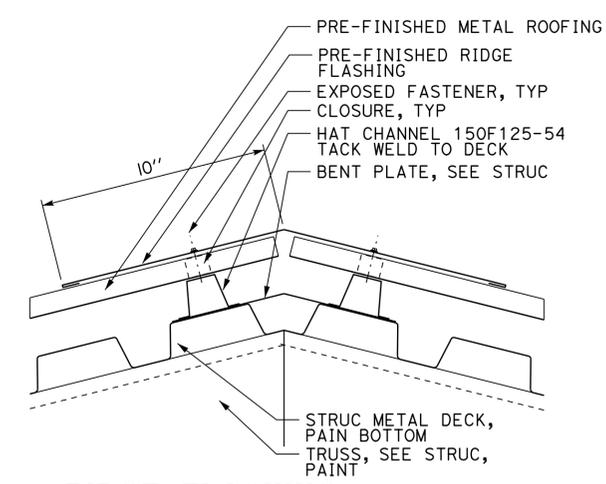
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		11	41



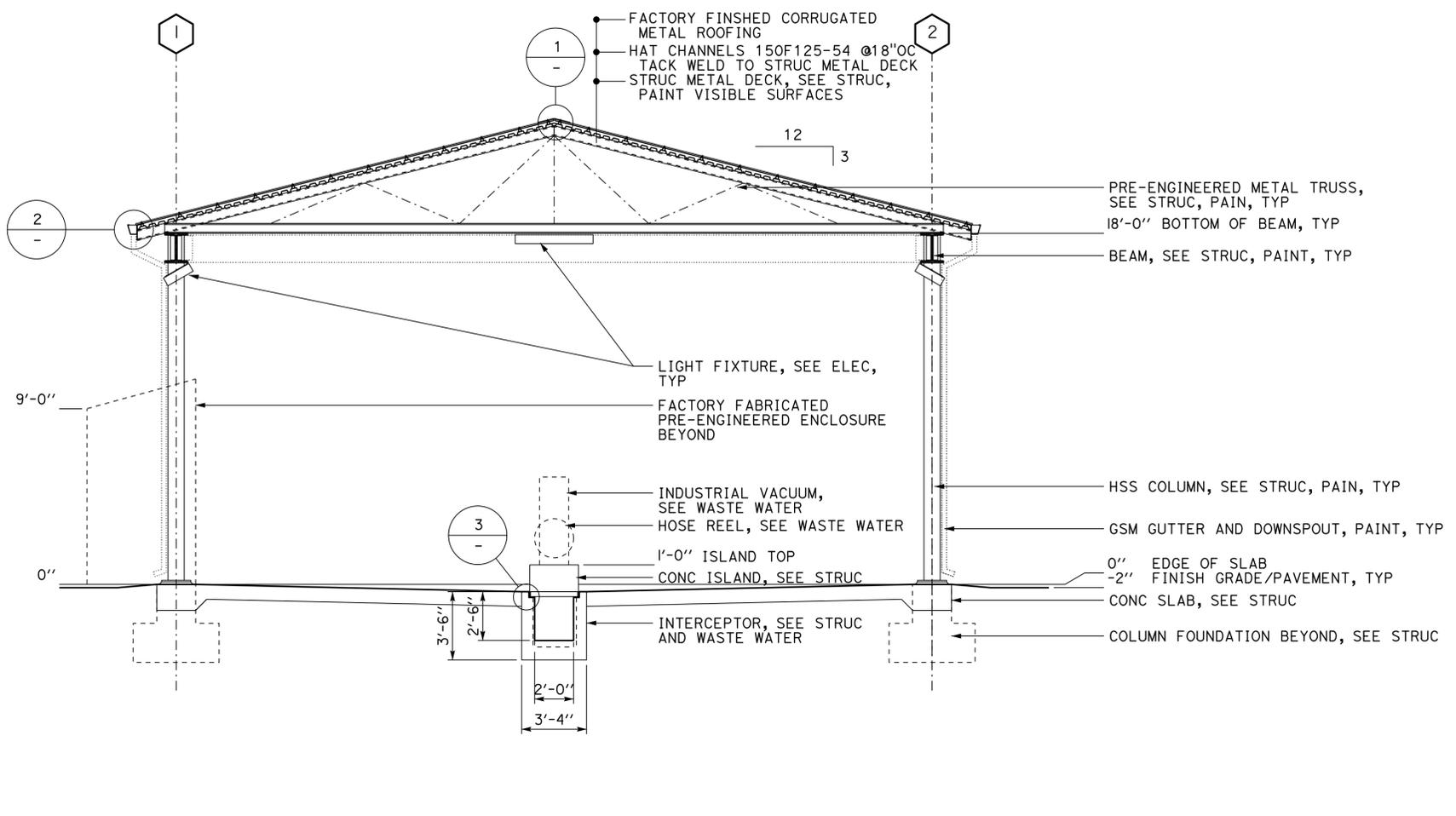
JANUSZ PIETRZAK  
 LICENSED ARCHITECT  
 09/28/2012  
 DATE

4-29-13  
 PLANS APPROVAL DATE  
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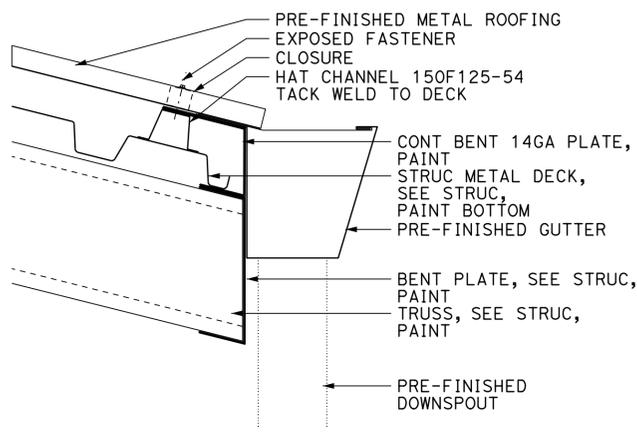
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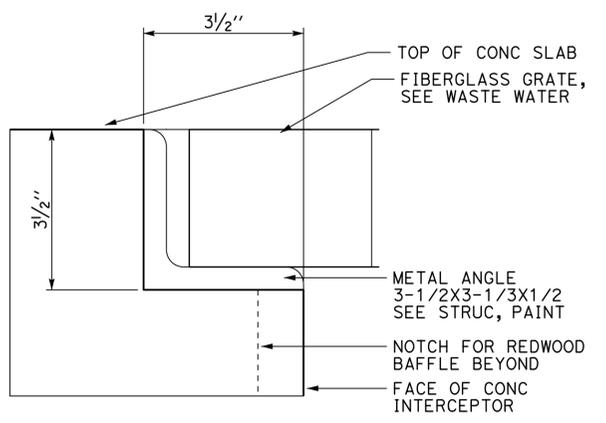
**1 RIDGE FLASHING**  
 SCALE 3" = 1'-0"



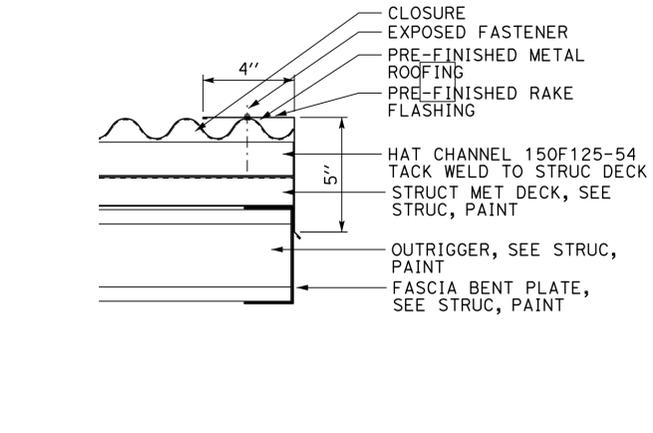
**4 CROSS SECTION**  
 SCALE 1/4" = 1'-0"



**2 EAVE FLASHING**  
 SCALE 3" = 1'-0"



**3 FIBERGLASS GRATE SUPPORT**  
 SCALE 6" = 1'-0"



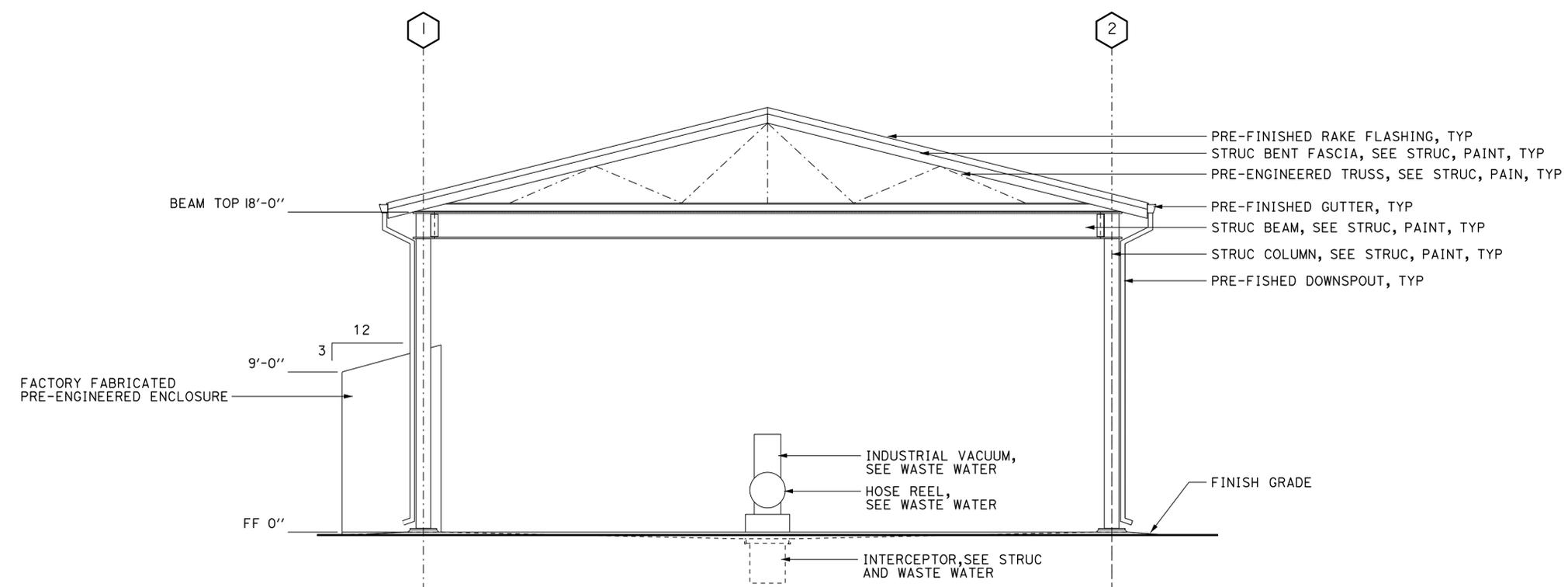
**5 RAKE FLASHING**  
 SCALE 6" = 1'-0"

COLOR SCHEDULE		
SURFACE	COLOR	FINISH
METAL ROOFING FASCIA, GUTTER, DOWNSPOUT AND FLASHING	SELECTED FROM MANUFACTURE STANDARD COLOR PALETTE	BY MFR
MTL COLUMN, BEAMS, PLATES EXTERIOR AND INTERIOR - PAINT	FEDERAL COLOR 23617	SEMIGLOSS
FANCTORY FABRICATED, PRE-ENGINEERED ENCLOSURE	SELECTED FROM MANUFACTURE STANDARD COLOR PALETTE	BY MFR
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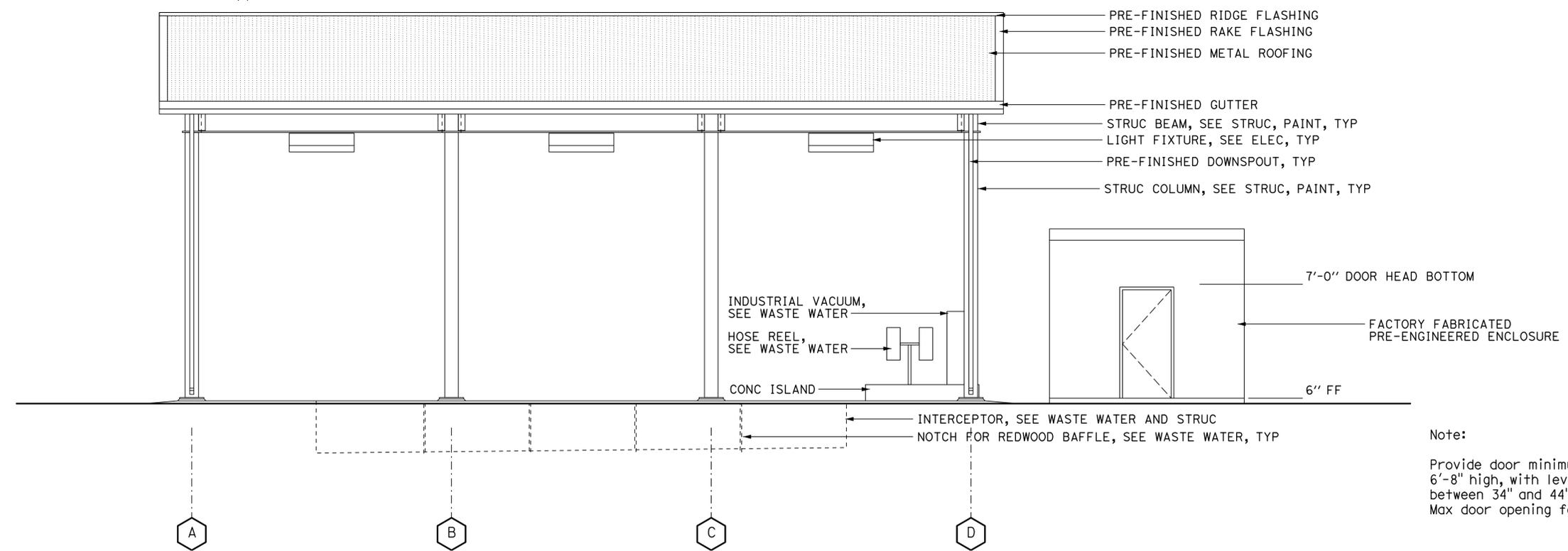
a1_04_bldg_sect.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY JANUSZ PIETRZAK	CHECKED DON ALSEY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704	CENTRAL BANDINI WASHRACK WASH RACK	BUILDING SECTION, DETAILS AND FINISH SCHEDULE	SHEET OF A1-0.4
	DETAILS BY C R ZERIO	CHECKED DON ALSEY		PROJECT NUMBER & PHASE 3600 07120002721	POST MILE N/A			
25-MAR-2014 11:31	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT	3600	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

25-MAR-2014 11:31

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		12	41
JANUSZ PIETRZAK LICENSED ARCHITECT			09/28/2012 DATE		
4-29-13 PLANS APPROVAL DATE			<i>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.</i>		



**1** TYPICAL FRONT/END ELEVATION  
SCALE 1/4" = 1'-0"



**2** TYPICAL SIDE ELEVATION  
SCALE 1/4" = 1'-0"

Note:  
Provide door minimum size of 3'-0" wide x 6'-8" high, with lever hardware centered between 34" and 44" above ground. Max door opening force shall be 5 LBF.

a1_05_bldg_elev.dgn TAEMWW Imperial Rev. 7/10 25-MAR-2014 11:31	DESIGN BY JANUSZ PIETRZAK	CHECKED DON ALSEY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704 POST MILE N/A	CENTRAL BANDINI WASHRACK BUILDING ELEVATIONS	SHEET A1-0.5
	DETAILS BY C R ZERIO	CHECKED DON ALSEY		UNIT PROJECT NUMBER & PHASE 3600 07120002721 EA 07-LA-5-5704	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

25-MAR-2014 11:31

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		13	41

*Tahir Rashid*  
 REGISTERED CIVIL ENGINEER  
 No. 61932  
 Exp. 9-30-13  
 CIVIL  
 STATE OF CALIFORNIA

12-05-2012  
 DATE

4-29-13  
 PLANS APPROVAL DATE

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**ABBREVIATIONS**

AAD	ADHESIVE ANCHORAGE DEVICE	HD	HOLDOWN
AB	ANCHOR BOLT	Hex	HEXAGON
AC	ASPHALT CONCRETE	Horiz	HORIZONTAL
Alt	ALTERNATE	HSB	HIGH STRENGTH BOLT
APA	AMERICAN PLYWOOD ASSOCIATION	HSS	HOLLOW STRUCTURAL SECTION
APC	ALTERNATIVE PIPE CULVERT	Jt	JOINT
Bldg	BUILDING	LOL	LAYOUT LINE
Blkg	BLOCKING	LVL	LAMINATED VENEER LUMBER
BN	BOUNDARY NAILING	m	METER
Btm	BOTTOM	Max	MAXIMUM
CB	CARRIAGE BOLT	MEA	MECHANICAL EXPANSION ANCHOR
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
DbI	DOUBLE	Opt	OPTIONAL
DF	DOUGLAS FIR	P	PITCH
Dia	DIAMETER	PDF	POWER DRIVEN FASTENER
DIP	DUSTILE IRON PIPE	Plwd	PLAWOOD
DN	DIAMETER NOMINAL	PT	PRESSURE TREATED
do	DITTO	PW	PUDDLE WELD
(E)	EXISTING	PWB	PREFABRICATED WOOD I BEAM
Eq	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	GYPSTUM BOARD		

**SYMBOLS**

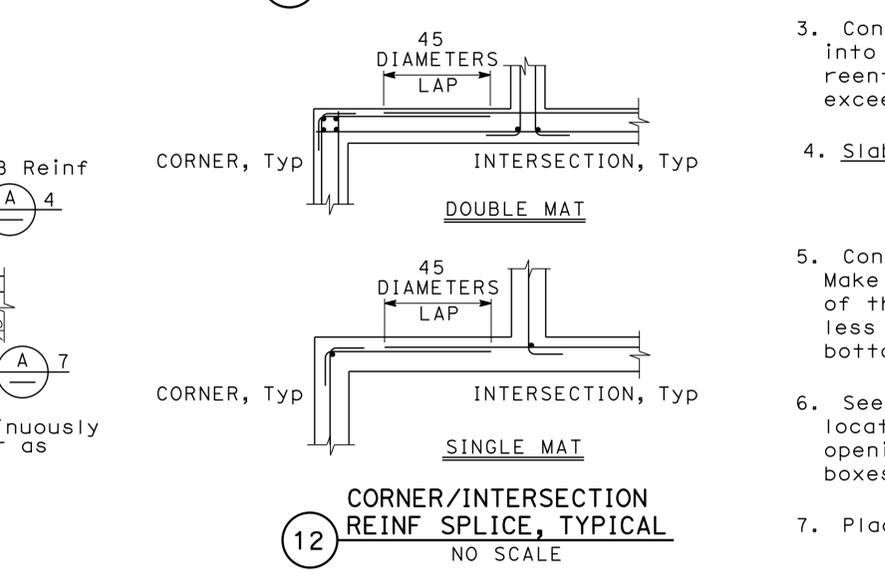
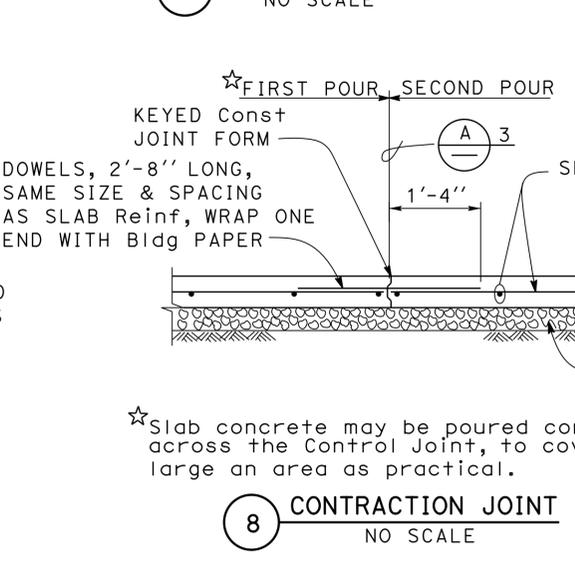
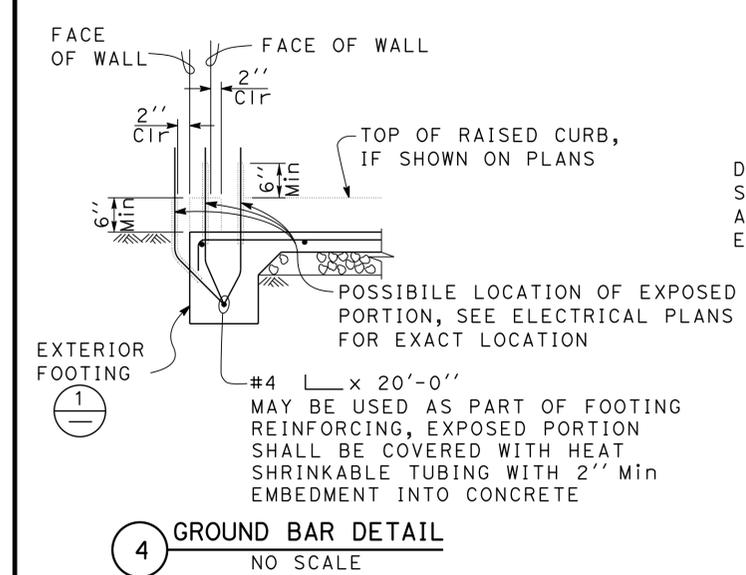
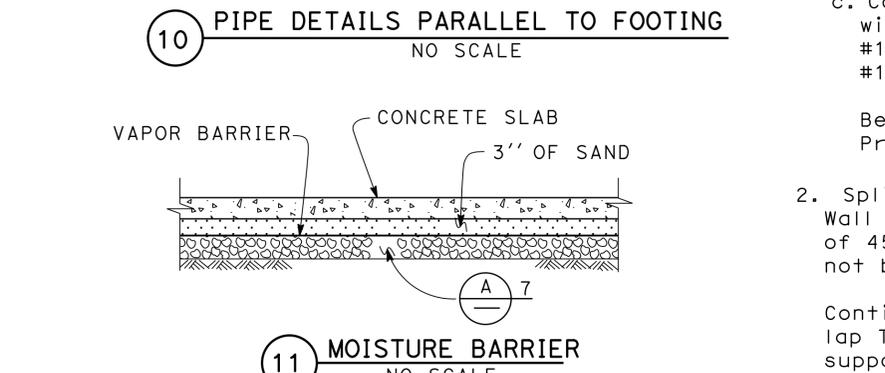
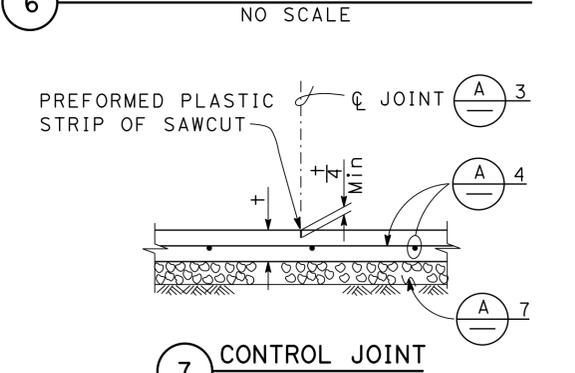
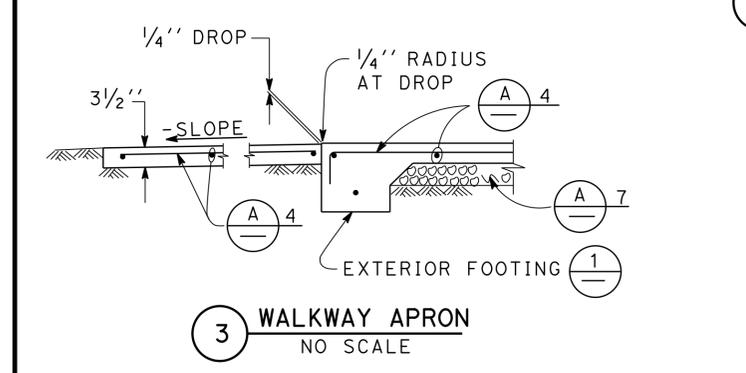
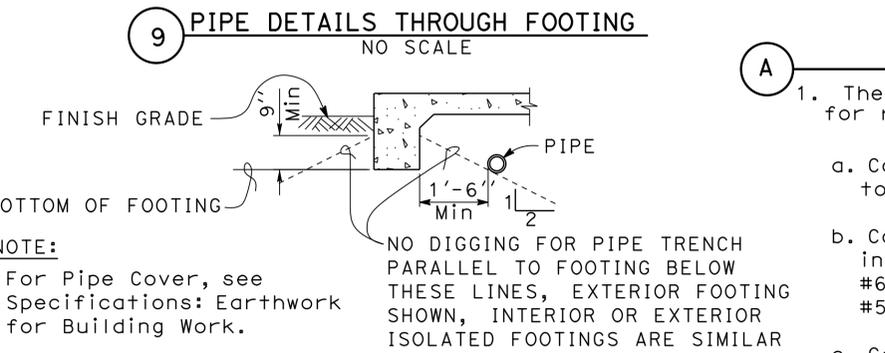
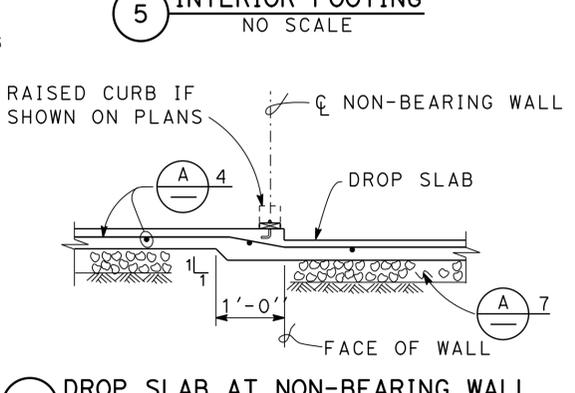
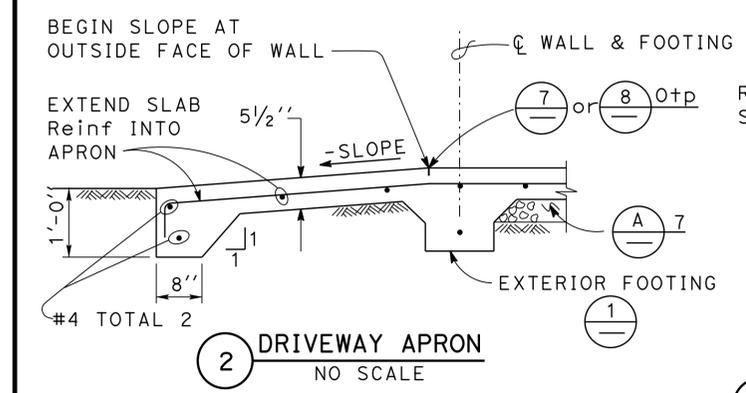
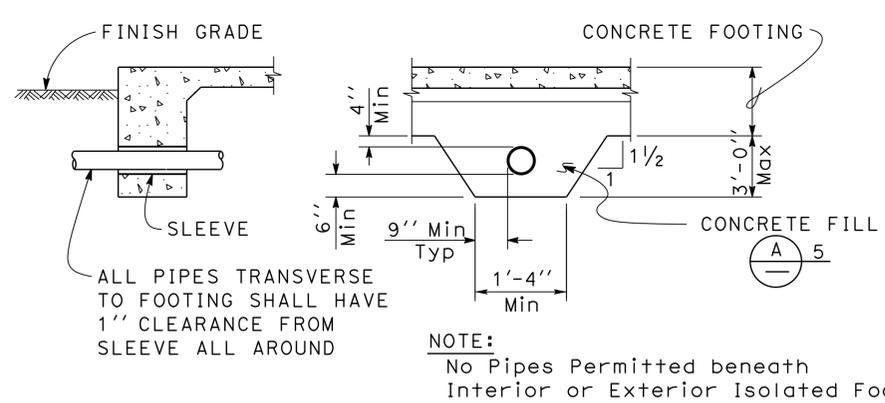
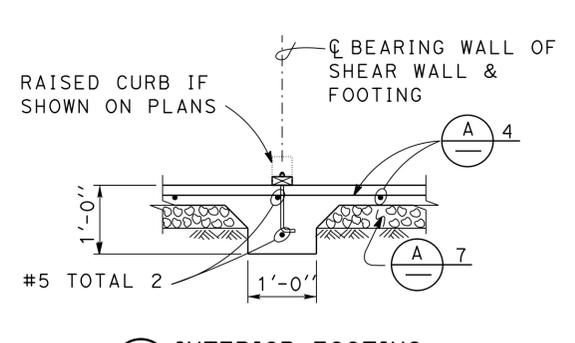
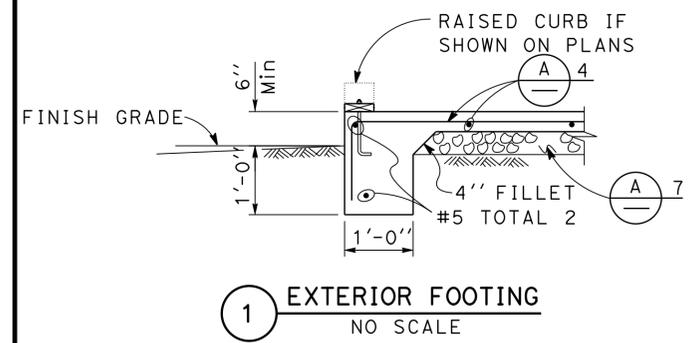
	BLOCKING IN SECTION OR ELEVATION		CMU WALL ON PLAN VIEWS
	CONTINUOUS MEMBER IN SECTION		DROPPED SLAB ON PLAN VIEWS
	END OF MEMBER		REINFORCED CONCRETE
	BEARING WALL		SAND
	SHEAR WALL		STRUCTURE BACKFILL
	LENGTH SHEARWALL SCHEDULE SYMBOL REFERENCE		STRUCTURE EXCAVATION
	GLUE LAMINATED MEMBER SECTION		ORIGINAL GROUND
	NORTH ARROW		LIMITS OF STRUCTURE BACKFILL (SHOWN ON PLAN VIEWS)
	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		HOLDDOWN, 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 Samuel</i>	CHECKED <i>Joe Glavin</i>	APPROVED <i>R.C. Travis</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53M5704	CENTRAL BANDINI MS WASH RACK	SHEET ST-1
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoye, II</i>	CHECKED <i>Sean Samuel</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	LEGEND	
TAEMWW Imperlal Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3581 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

25-MAR-2014 11:31

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		14	41
			11-21-2012	DATE	
4-29-13 PLANS APPROVAL DATE					
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- CONCRETE NOTES**
- The following minimum concrete cover shall be provided for reinforcement.
 

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

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

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

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

FILE NO. XS-25-1	DESIGN BY <i>Sean Soud</i>	CHECKED <i>Lee G. ...</i>	APPROVED <i>R.C. ...</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704	CENTRAL BANDINI MS WASH RACK	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED <i>...</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE 3581 07120002721	POST MILE	CONCRETE STANDARD	
TAEMWW Imperlal Rev. 7/10	SCALE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

**PROJECT DESIGN CRITERIA**

The building work on this project has been designed to conform to the 2010 California Building Code (2009 IBC)

**LOADS**

**SEISMIC:** Occupancy Category = I  
 Importance Factor I = 1.0  
 Site Soil Class = D  
 $S_s = 1.753$      $S_I = 0.611$   
 $S_{ps} = 1.169$      $S_{DI} = 0.611$   
 Seismic Design Category = 0  
**Seismic Force-Resisting System:**

North - South

$R = 3.50$      $C_s = 0.334$

East - West

$R = 3.50$      $C_s = 0.334$

**WIND:** Basic Wind Speed = 100 mph    I = 1.0  
 $\lambda = 1.35$      $P_s 30 = \pm 16.0$   
 $K_{z+} = 1.0$   
 Wind Pressure on Components and Cladding = 20 psf

**LIVE LOAD:** Roof = 20 psf

**MATERIALS**

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

**STRUCTURAL STEEL:** (Allowable Strength Design) :  
 Wide Flange     $F_y = 50$  ksi  
 Channels, Angles & Misc. Shapes     $F_y = 36$  ksi  
 Plates     $F_y = 36$  ksi  
 Hollow Structural Section (HSS)     $F_y = 46$  ksi

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

**FOUNDATION:**  
 Allowable Soil Pressure (DL + LL) : = 1,500 psf (assumed)

**DETAIL NOTES**

1. For Concrete see: "Concrete Standard"
2. For Cold formed steel see: "Cold-formed Steel details"
3. All bolts shall be hex head machine bolts, with hex head nuts; unless otherwise noted.
4. All lock washers shall be helical spring lock washers.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		15	41

*Tahir Rashid* 12-05-2012  
 REGISTERED CIVIL ENGINEER DATE

4-29-13  
 PLANS APPROVAL DATE

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**METAL DECK MINIMUM SECTION PROPERTIES**

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Steel Decking	1 1/2" x 18 Ga	0.302 in <sup>4</sup> /ft	0.321 in <sup>3</sup> /ft	0.336 in <sup>3</sup> /ft	38 Ksi

Note  
 Minimum 3 Span Condition

**WELDING SCHEDULE and METAL DECK PROFILE**

Steel Deck Profile	1/2" Diameter Puddle Weld			Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - Puddle Welds Per Support	12" OC	12" OC	800 lb/ft

**(A) STEEL DECK NOTES**

DESIGN BY Tahir Rashid	CHECKED BY Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704	CENTRAL BANDINI WASHRACK	SHEET ST1-0
				POST MILE		
DETAILS BY Aleksey Serin	CHECKED BY Tahir Rashid	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 05-01-12 06-01-12 06-19-12	SHEET OF
QUANTITIES BY	CHECKED	EA 07-1W5101			P:\dist_07\0712000272_central_bandini_wr\contract\st1_00.dgn	

TAEMWW Imperial Rev. 7/10

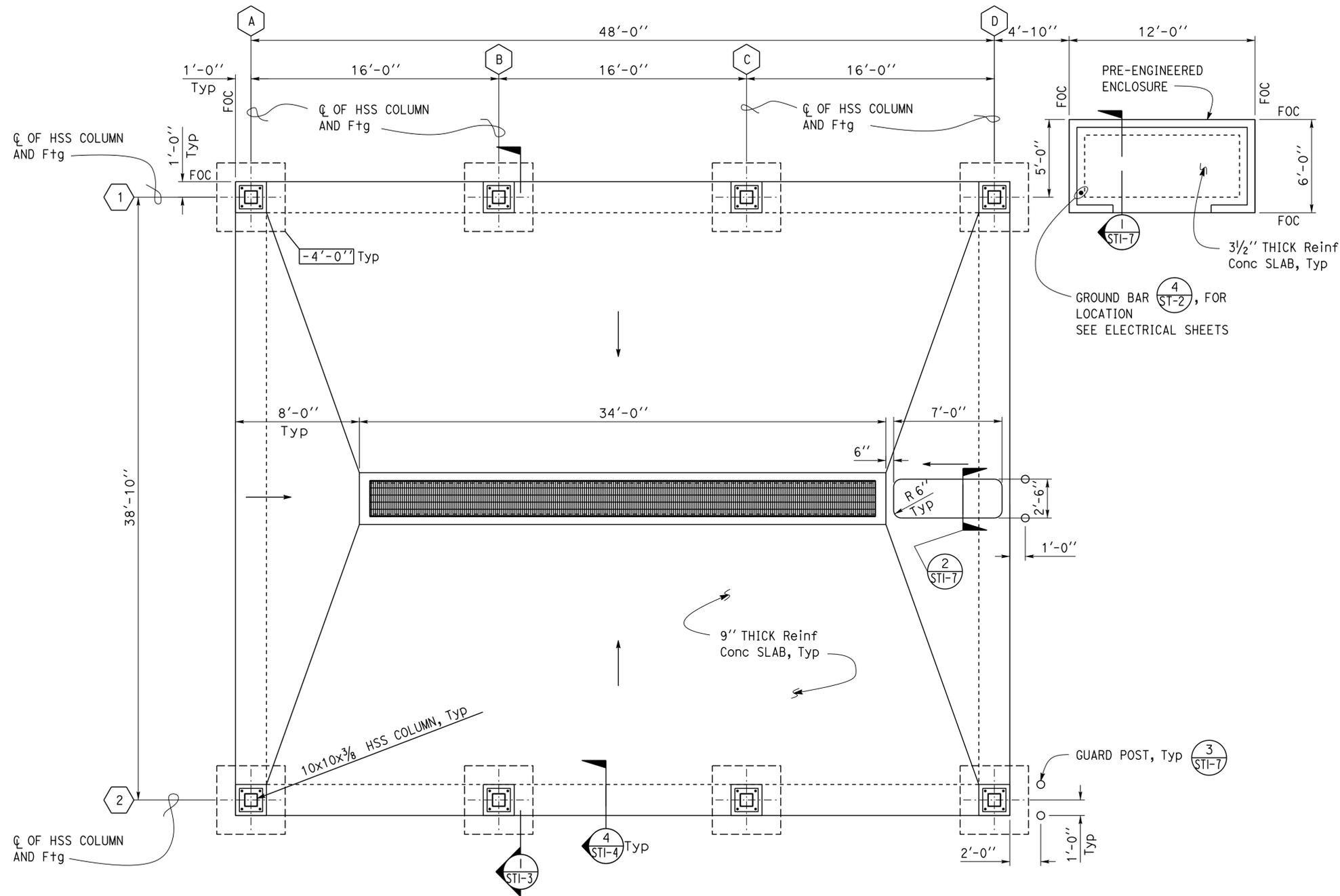
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07	LA	5704		16	41

*Tahir Rashid* 12-05-2012  
REGISTERED CIVIL ENGINEER DATE

4-29-13  
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER  
Tahir Rashid  
No. 61932  
Exp. 9-30-13  
CIVIL  
STATE OF CALIFORNIA



- NOTES:**
1. For finish grade and drainage elevations, see Sanitary sheets.
  2. For vehicle under spray location, sizes and details, see Sanitary sheets.
  3. For slab control joint and spacing see ST-2 3

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

*Tahir Rashid*  
DESIGN ENGINEER

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Aleksey Serin	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

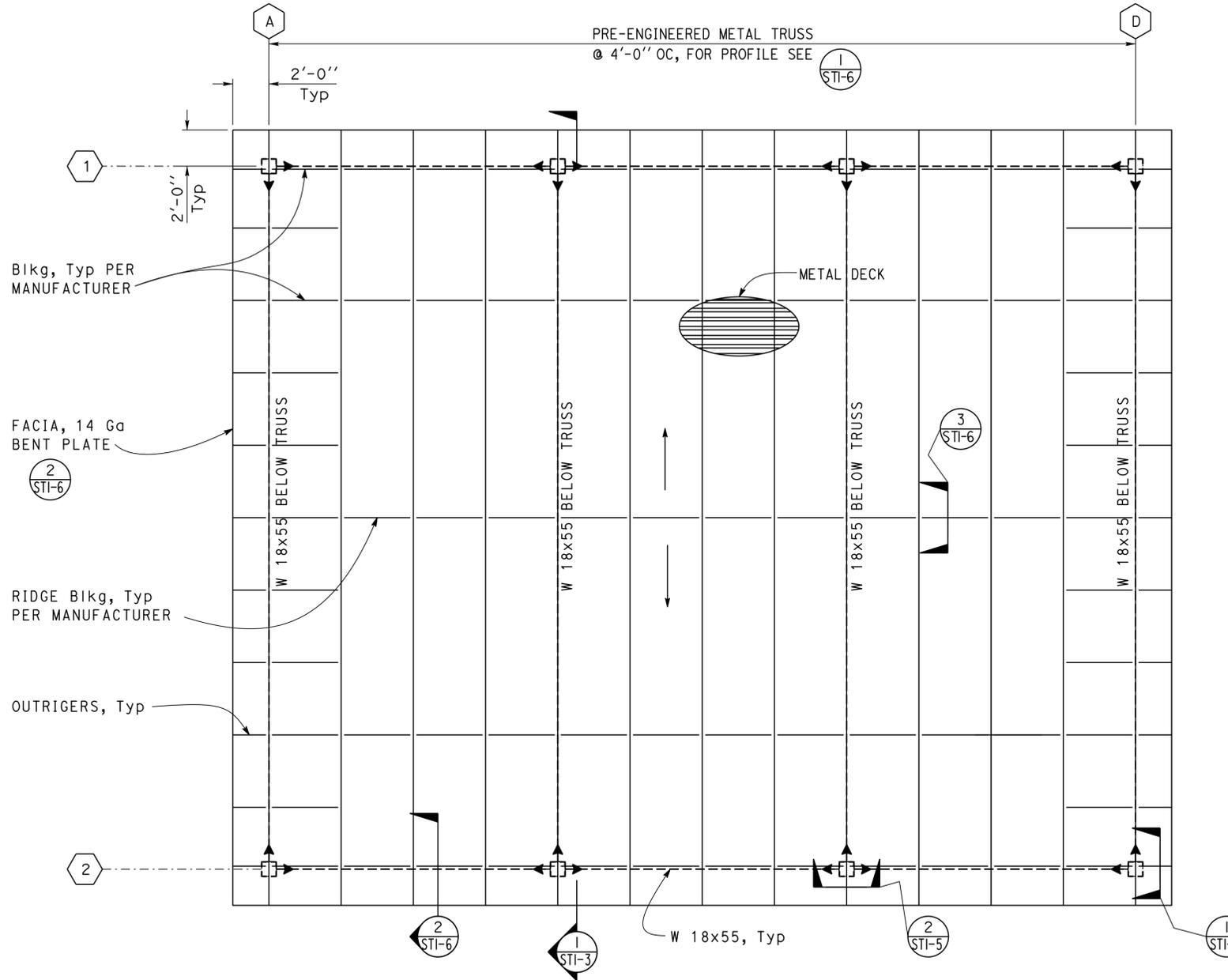
BRIDGE NO. 53M5704	CENTRAL BANDINI WASHRACK	FOUNDATION PLAN	SHEET OF ST1-1
POST MILE			

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		17	41

*Tahir Rashid* 12-05-2012  
REGISTERED CIVIL ENGINEER DATE

4-29-13  
PLANS APPROVAL DATE

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**NOTE:**  
1. Indicate Column, Beam moment connection.

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

DESIGN BY Tahir Rashid CHECKED Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704	CENTRAL BANDINI WASHRACK		SHEET ST1-2
			POST MILE	WASHRACK	ROOF FRAMING PLAN	
DETAILS BY Aleksey Serin CHECKED Tahir Rashid	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 04-25-12 05-24-12 06-07-12 08-29-12	
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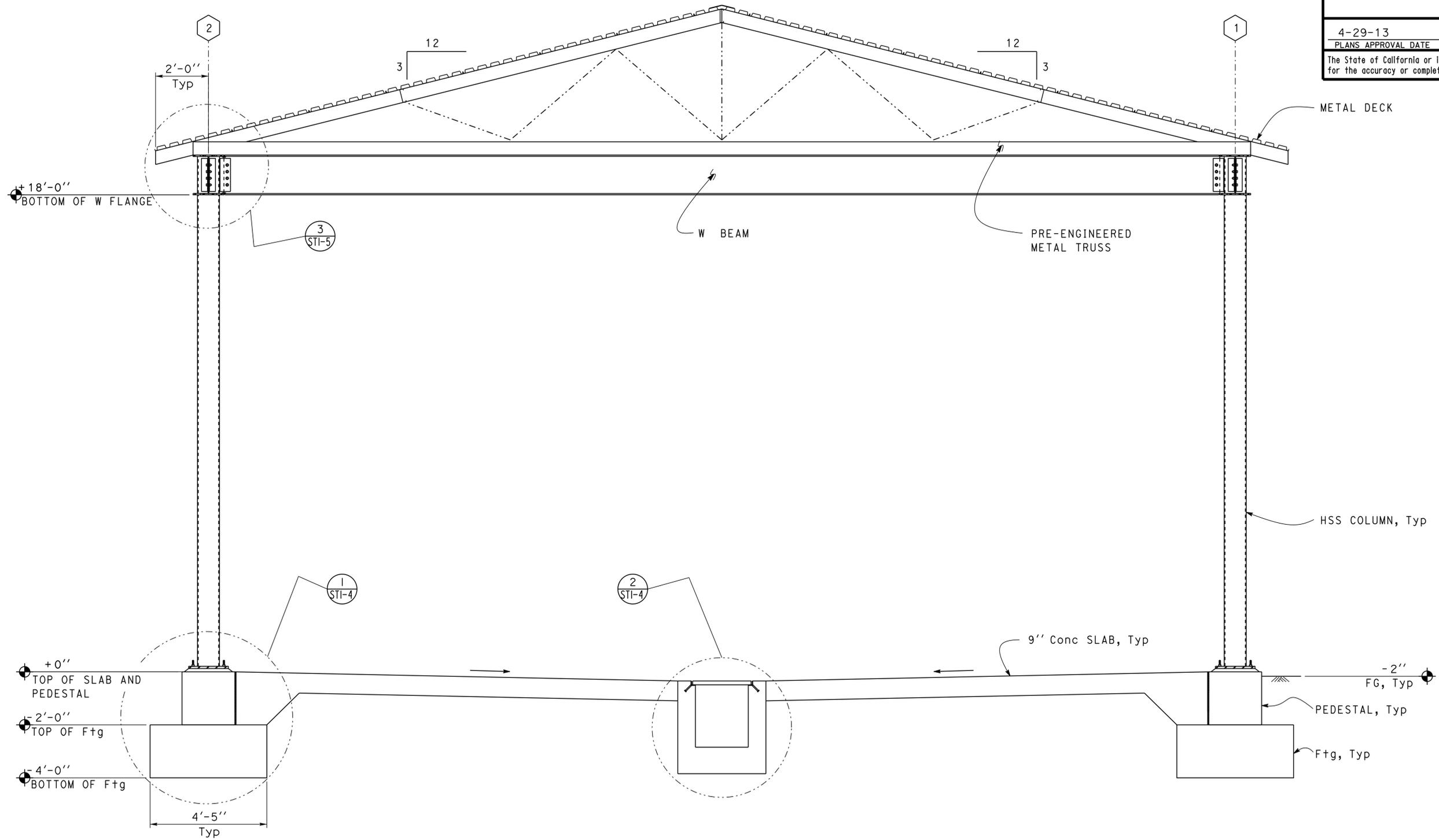
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07	LA	5704		18	41

*Tahir Rashid*  
REGISTERED CIVIL ENGINEER  
DATE 12-05-2012

4-29-13  
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER  
Tahir Rashid  
No. 61932  
Exp. 9-30-13  
CIVIL  
STATE OF CALIFORNIA



**1 MAIN SECTION**  
Scale 1/2" = 1' - 0"

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Aleksey Serin	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	53M5704	CENTRAL BANDINI WASHRACK	SHEET ST1-3
POST MILE			
WASHRACK		MAIN SECTION	

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0	1	2	3
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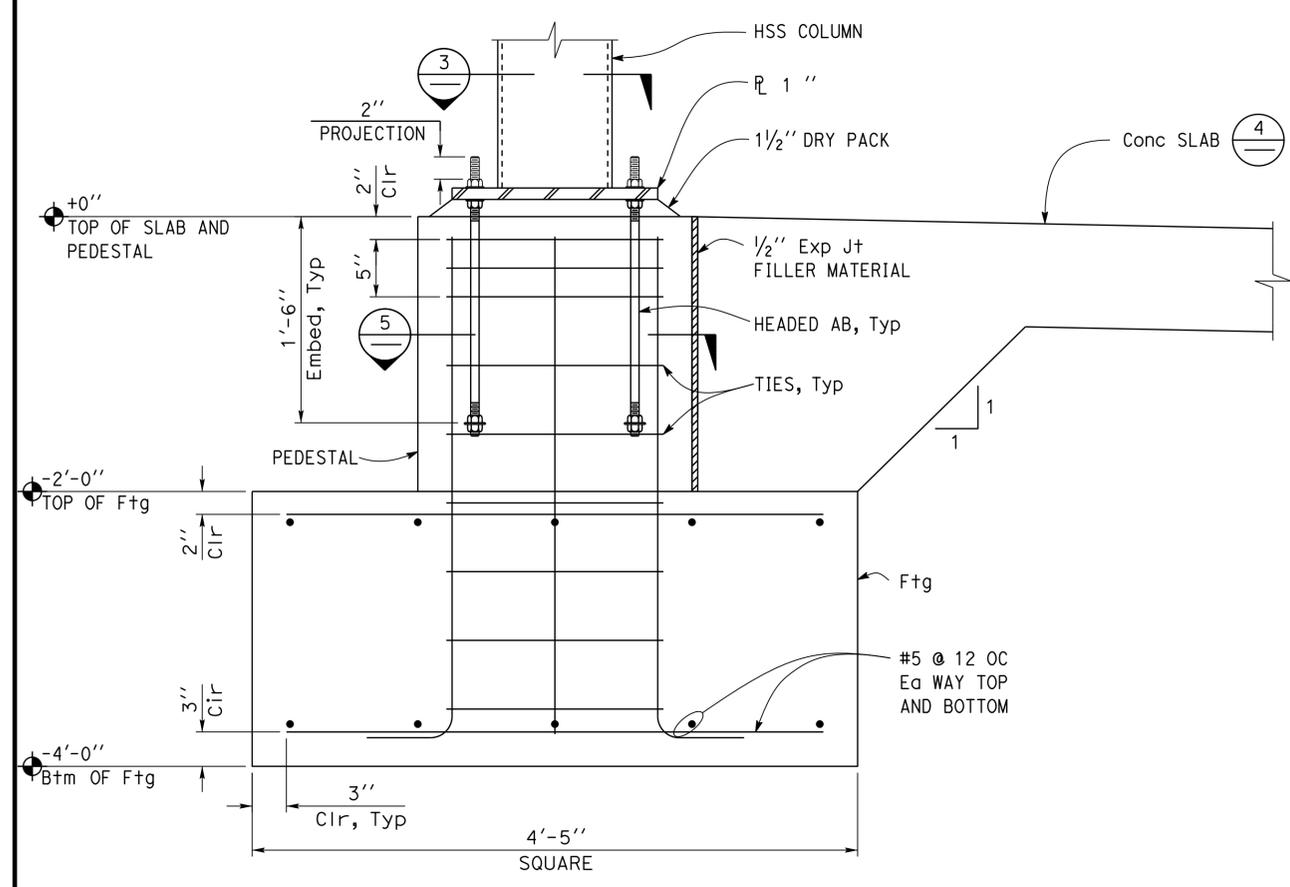
UNIT PROJECT NUMBER & PHASE  
3581 07120002721  
EA 07-1W5101

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	06-07-12 07-26-12 12-05-12	

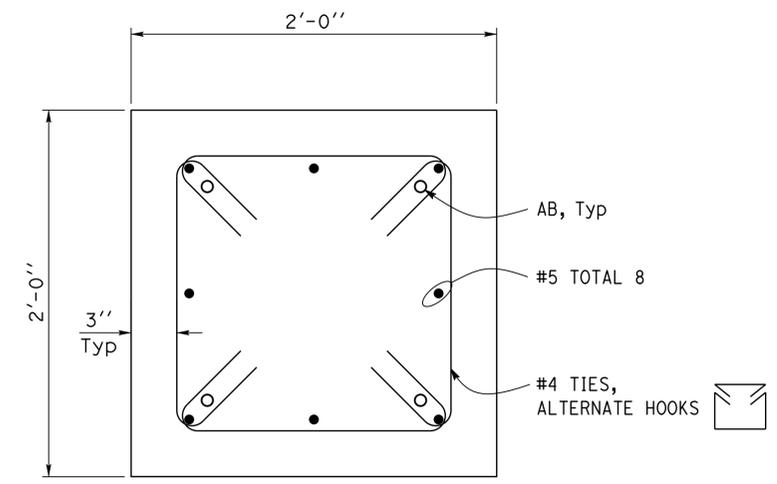
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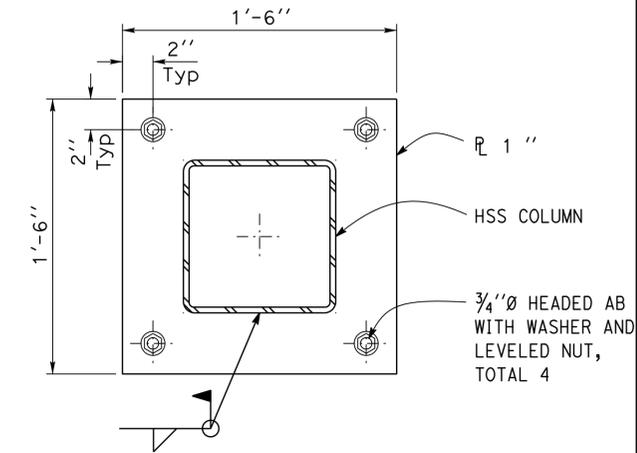
<i>Tahir Rashid</i>		12-05-2012
REGISTERED CIVIL ENGINEER	DATE	
4-29-13 PLANS APPROVAL DATE		
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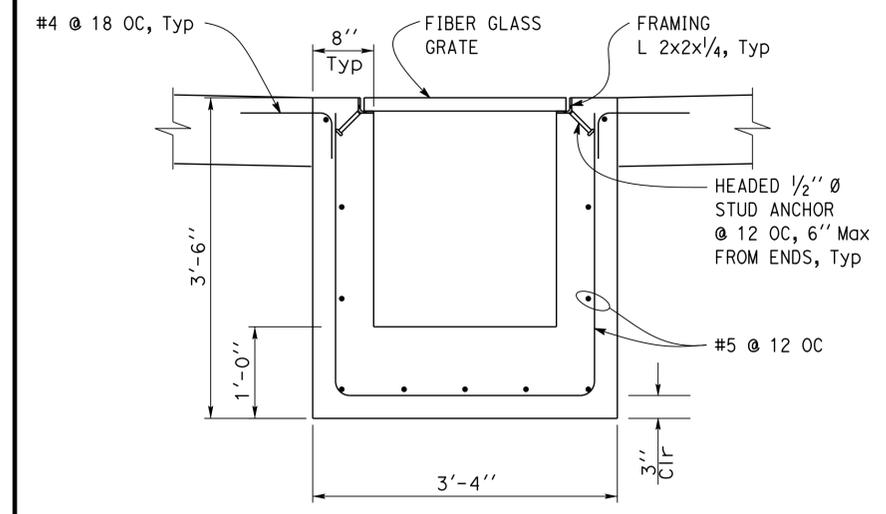
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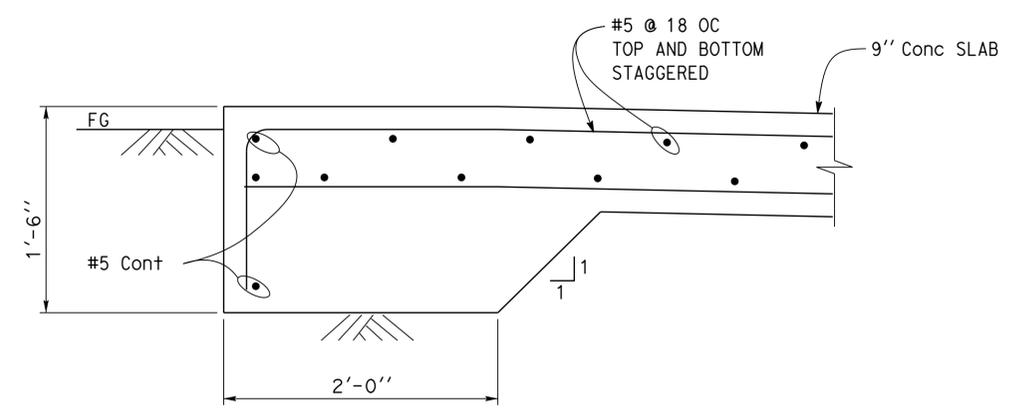
**3 PEDESTAL SECTION**  
Scale 2" = 1' - 0"



**5 BASE PLAT**  
Scale 2" = 1' - 0"



**2 WET PIT SECTION**  
Scale 1" = 1' - 0"



**4 CONCRETE PAD/SLAB DETAIL**  
Scale 1 1/2" = 1' - 0"

DESIGN	BY	Tahir Rashid	CHECKED	Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	CENTRAL BANDINI WASHRACK		SHEET
	DETAILS	BY	Aleksey Serin	CHECKED			Tahir Rashid	53M5704	FOUNDATION DETAILS	
QUANTITIES	BY		CHECKED				POST MILE	WASHRACK		

TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT PROJECT NUMBER & PHASE	3581 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
									06-07-12, 06-18-12, 07-11-12, 07-26-12, 08-29-12, 12-05-12	

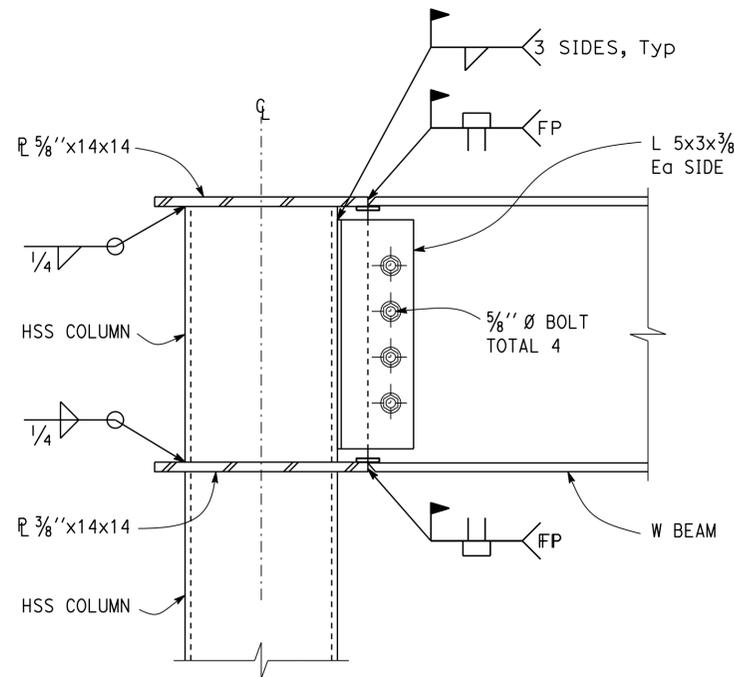
25-MAR-2014 11:32

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		20	41

*Tahir Rashid*  
 REGISTERED CIVIL ENGINEER  
 DATE 12-05-2012  
 No. 61932  
 Exp. 9-30-13  
 CIVIL  
 STATE OF CALIFORNIA

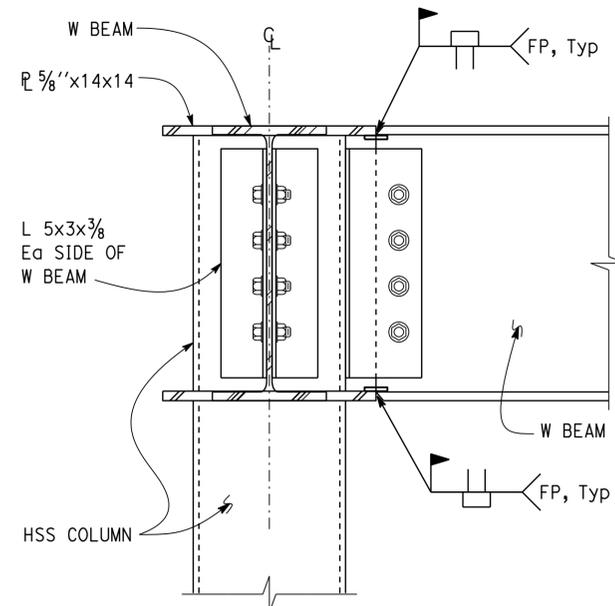
4-29-13  
 PLANS APPROVAL DATE

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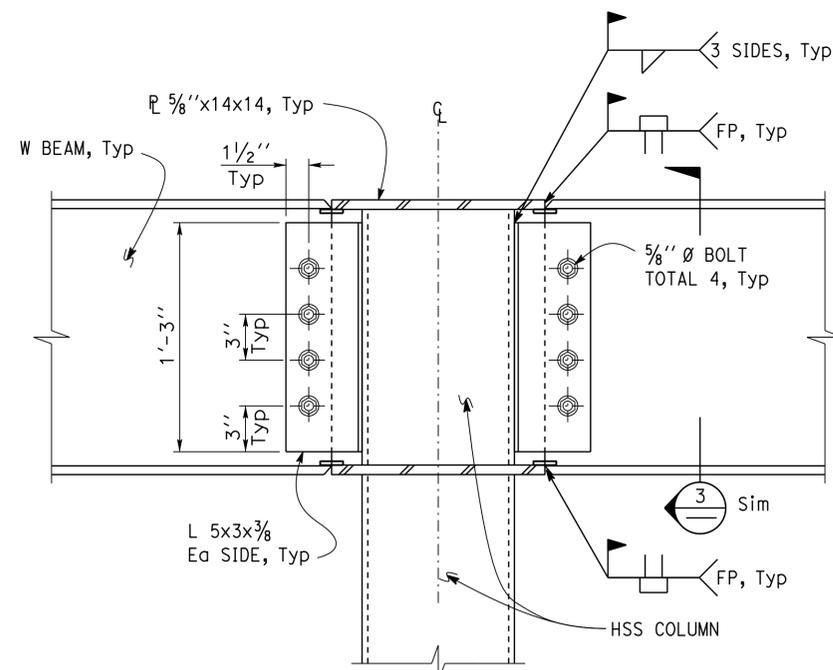
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 1. For information not shown, see (2)  
 2. Truss not shown for clarity

**1 BEAM CONNECTION DETAIL**  
 Scale 2" = 1' - 0"



- NOTE:  
 For information not shown, see (1) (2)

**3 BEAM CONNECTION DETAIL**  
 Scale 2" = 1' - 0"



- NOTE:  
 For information not shown, see (1)

**2 BEAM CONNECTION DETAIL**  
 Scale 2" = 1' - 0"

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Aleksey Serin	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	53M5704
POST MILE	

**CENTRAL BANDINI WASHRACK**  
 WASHRACK ROOF FRAMING DETAIL

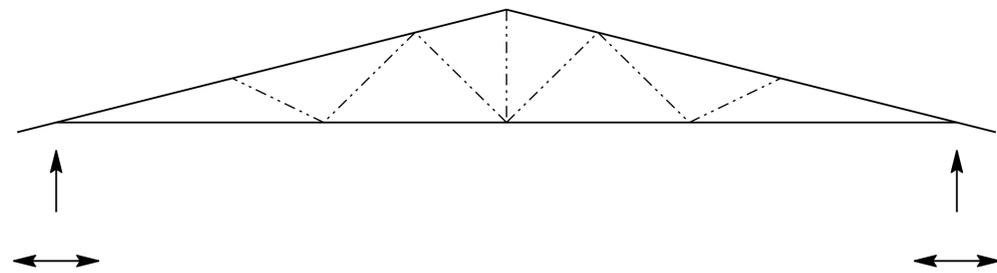
SHEET **ST1-5** OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		21	41

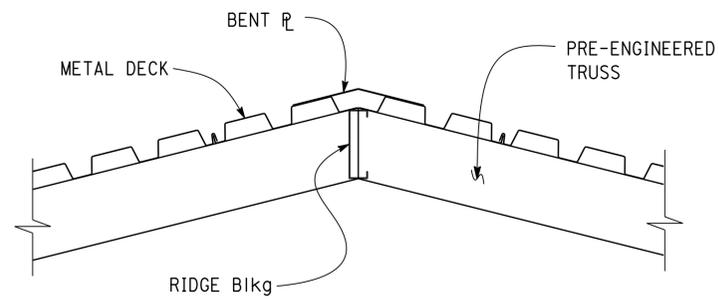
*Tahir Rashid*  
 REGISTERED CIVIL ENGINEER  
 DATE 12-05-2012  
 No. 61932  
 Exp. 9-30-13  
 CIVIL  
 STATE OF CALIFORNIA

4-29-13  
 PLANS APPROVAL DATE

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1 TRUSS PROFILE  
 NO SCALE

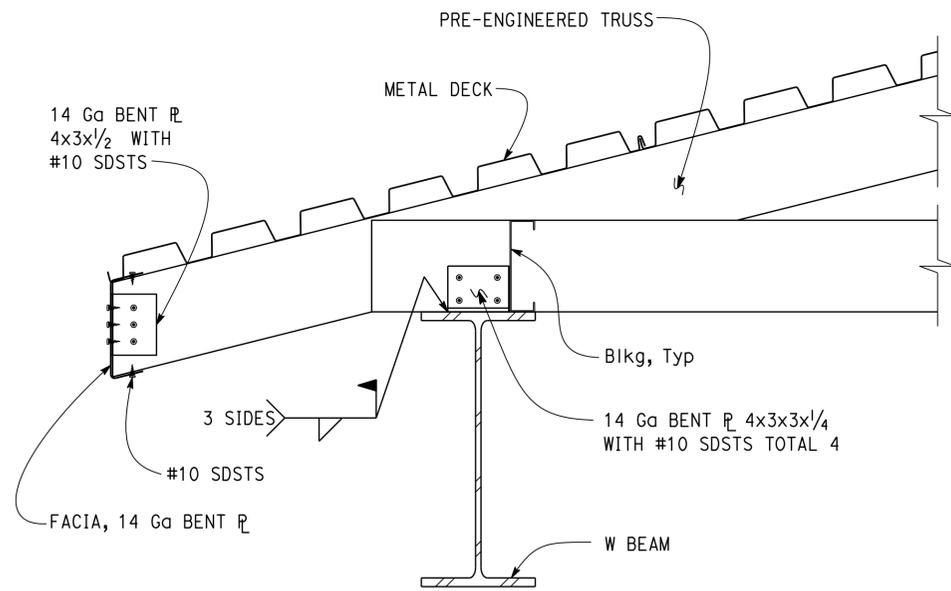
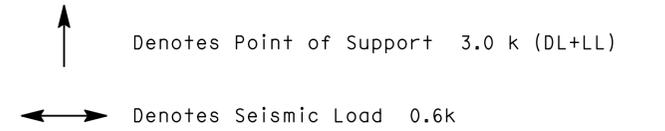


3 CONNECTION DETAIL  
 Scale 2" = 1' - 0"

A PRE-ENGINEERED TRUSS REQUIREMENTS

LOADS:	Dead Load	Live Load
Top Chord (Roof):	10 psf	20 psf
Bottom Chord (Ceiling)	5 psf	psf
Wind Uplift @ Eave:	20 psf	

- Deflection:  
 Live Load ----- L/360  
 Total Load ----- L/240
- Camber Shall be 1.5 Times Dead Load Deflection



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

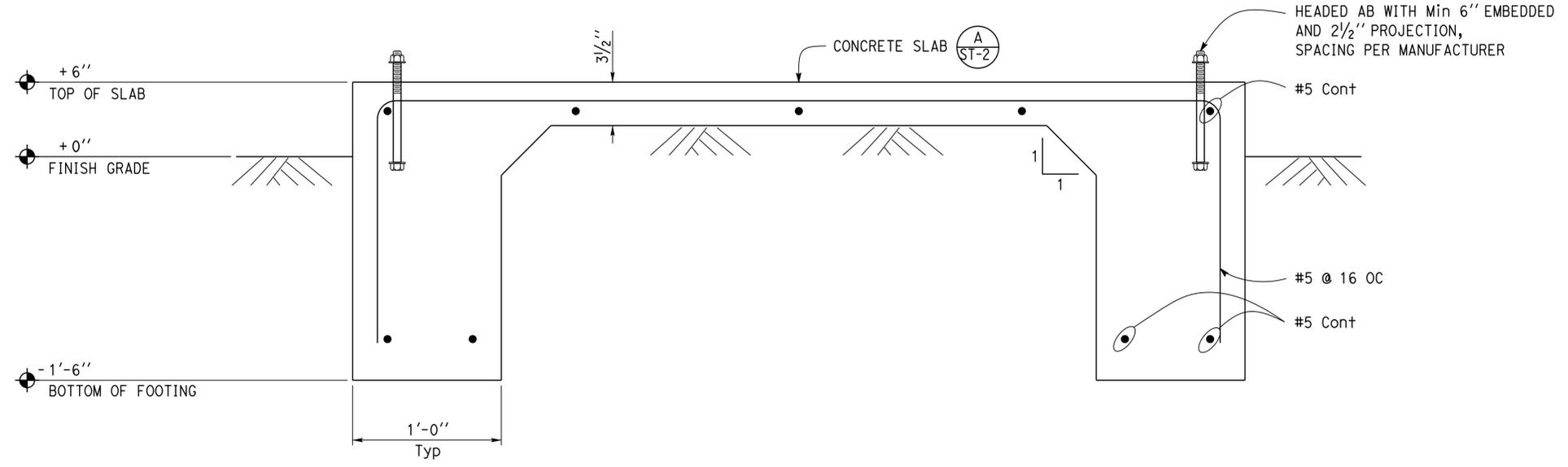
DESIGN BY Tahir Rashid	CHECKED Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53M5704	CENTRAL BANDINI WASHRACK		SHEET ST1-6
				POST MILE	WASHRACK	ROOF FRAMING DETAILS	
DETAILS BY Aleksy Serin	CHECKED Tahir Rashid	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3581 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	CHECKED	0 1 2 3	EA 07-1W5101	06-19-12 07-11-12 07-26-12 08-29-12			

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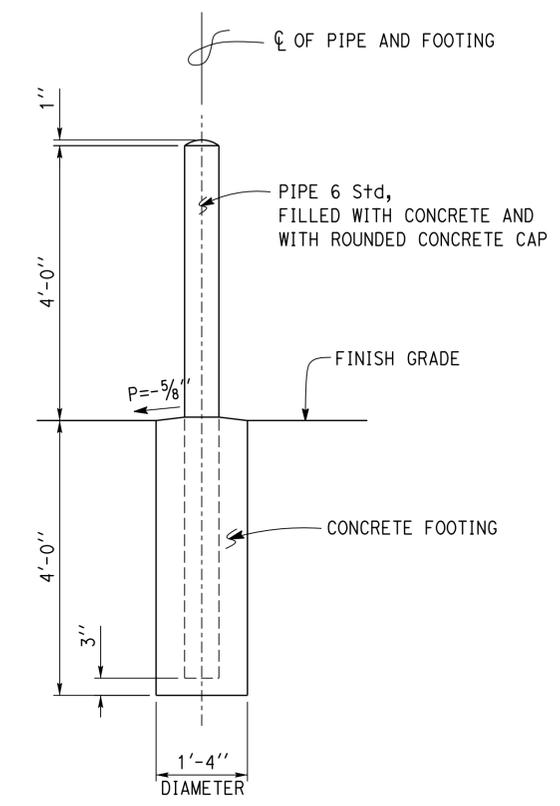
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		22	41

*Tahir Rashid*  
 REGISTERED CIVIL ENGINEER  
 DATE 12-05-2012  
 No. 61932  
 Exp. 9-30-13  
 CIVIL  
 STATE OF CALIFORNIA

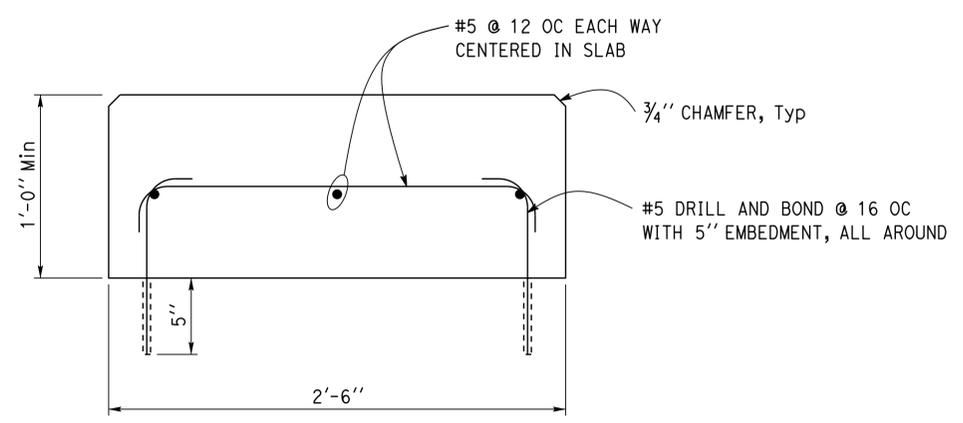
4-29-13  
 PLANS APPROVAL DATE  
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1 STORAGE SLAB SECTION  
 Scale 2" = 1' - 0"



3 PIPE GUARDPOST DETAIL  
 Scale 3/4" = 1' - 0"



2 CONCRETE ISLAND SECTION  
 Scale 2" = 1' - 0"

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Aleksey Serin	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	53M5704
POST MILE	

**CENTRAL BANDINI WASHRACK**  
 WASHRACK STORAGE SECTION AND DETAILS

SHEET OF  
**ST1-7**

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE 3581 07120002721

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
05-18-12 07-12-12 08-29-12 12-05-12	

P:\dist\_07\0712000272\_central\_bandini\_wr\contract\st1\_07.dgn

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**GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS**

SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER
	POLE-ARM ELECTROLIER
<b>CEILING WALL</b>	
	SURFACE FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE
	RECESSED FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE
	EXIT LIGHT
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT OR LED FIXTURE
	RECESSED INDIVIDUAL FLUORESCENT OR LED FIXTURE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT OR LED 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, L=LED), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE.
EXAMPLE :	(4) F2-2x32 
	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
	SWITCH AND SINGLE RECEPTACLE
	SWITCH AND DUPLEX RECEPTACLE
	RADIO OUTLET
	COMMUNICATION OUTLET
	SOUND SYSTEM LOUD SPEAKER OUTLET
	RADIO OUTLET
	TELEVISION OUTLET
	MICROPHONE OUTLET
	THERMOSTAT

SYMBOL	DESCRIPTION
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
SR	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
S1	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
S2	OCCUPANCY SENSOR WALL SWITCH, BILEVEL
SM	MOTION SENSOR SWITCH
ST	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
SHP	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
Ts	TIMER SWITCH
	PUSHBUTTON
	PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	PUSHBUTTON STATION MOTOR CONTROL
	BUZZER
	BELL
	COMBINATION BELL-BUZZER
	PRESSURE SWITCH
	CONTROL RELAY
	FLOW SWITCH
	PHOTOELECTRIC UNIT
	HAND DRYER NOZZLE
	HAND DRYER
	FLUSH-MOUNTED PANELBOARD AND CABINET
	SURFACE-MOUNTED PANELBOARD AND CABINET
	LIGHTING PANEL
	POWER PANEL
	COMBINATION LIGHTING AND POWER
	MOTOR CONTROLLER
	DISCONNECT SWITCH
---	CONDUIT CONCEALED IN CEILING OR WALL
----	CONDUIT CONCEALED IN FLOOR
-x-x-	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 MUST BE 1/2" UNLESS OTHERWISE NOTED.
A1,2	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT

SYMBOL	DESCRIPTION
—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
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
O	POLE
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	HEAT DETECTOR
	SMOKE DETECTOR
	GLASS BREAK DISCRIMINATOR
	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	KEYPAD FOR ALARM SYSTEM
	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	PULL BOX (TRAFFIC-RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	COMBINATION HEAT, LIGHT, AND FAN UNIT
	SECTION/ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER

**REMODEL WORK**

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

**GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS**

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE-POLE
	CIRCUIT BREAKER, DOUBLE-POLE
	CIRCUIT BREAKER, THREE-POLE
GFCI	CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE-POLE, SWITCHED NEUTRAL
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CONTACT, SINGLE-POLE, DOUBLE-THROW
	OPERATING COIL
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN
	TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN
	SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW
	SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW
	SWITCH, SINGLE-POLE, 3-POSITION
	THERMAL OVERLOAD
	FUSE
	RESISTOR
	VARIABLE RESISTOR
	TRANSFORMER WINDING
	GROUNDING ELECTRODE
	ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	GENERATOR
	MOTOR
	FAN MOTOR

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		23	41

Tommy F. Lee  
 REGISTERED ELECTRICAL ENGINEER  
 No. 18534  
 Exp. 12-31-14  
 ELEC  
 STATE OF CALIFORNIA

1-4-13  
 DATE

4-29-13  
 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 Polly Parenti  
 POLLY PARENTI  
 Approval date: 10-15-12

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY		DESIGN BY Tommy F. Lee	CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53M5704	CENTRAL BANDINI MAINTENANCE STATION WASHRACK		SHEET EE0-0
		DETAILS BY Tommy F. Lee	CHECKED Joseph Abdelsayed	DEPARTMENT OF TRANSPORTATION	ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	LEGEND		
		QUANTITIES BY Tommy F. Lee	CHECKED Joseph Abdelsayed	UNIT PROJECT NUMBER & PHASE 3597 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
TAEWW Imperlal Rev. 3/12		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 07-1W5201			3/18/09 6/22/12 1/20/12 8/20/12 9/22/12 12/2/12 1/4/13		

**ABBREVIATIONS**

**A**  
 A/C AIR CONDITIONING UNIT  
 ACS AIR COMPRESSOR STARTER  
 AFCI ARC FAULT CIRCUIT INTERRUPTER  
 AI ANALOG INPUT  
 AL ALARM LIGHT  
 AO ANALOG OUTPUT  
 AVC AIR VOLUME CONTROLLER

**B**  
 BD BUILDING DISCONNECT  
 BP BOOSTER PUMP  
 Brk BREAKER

**C**  
 Cat CATEGORY  
 CC CENTER CHANNEL LIGHT  
 CM CENTER MARGIN LIGHT  
 COMM COMMUNICATION  
 CR CONTROL RELAY  
 CSW CURRENT SWITCH

**D**  
 DI DIGITAL INPUT  
 DO DIGITAL OUTPUT  
 DP DUPLEX PLUG RECEPTACLE  
 DS DOOR SWITCH

**E**  
 (E) EXISTING  
 EF EXHAUST FAN

**F**  
 F FUSE  
 FL FAILURE LIGHT  
 FLA FLASHER  
 Flex FLEXIBLE CONDUIT  
 FLS FLOW SWITCH  
 FR FAILURE RESET or FLAME RESISTANT  
 FS FLOAT SWITCH

**G**  
 G GROUND  
 GFCI GROUND FAULT CIRCUIT INTERRUPTER

**I**  
 IC IRRIGATION CONTROLLER  
 ICC IRRIGATION CONTROLLER CABINET  
 IR INDUCTION RELAY

**J**  
 JB JUNCTION BOX

**L**  
 L LIGHT or LENGTH  
 LC LIGHTING CONTACTOR  
 LCD LIQUID CRYSTAL DISPLAY  
 LCP LIGHTING CONTROL PANEL  
 LD LIGHT DISCONNECT  
 LDCI LEAK DETECTOR CIRCUIT INTERRUPTER  
 LL LIQUID LEVEL RELAY  
 LLC LIQUID LEVEL CONTROLLER  
 LP LIGHT PANEL  
 LS LIGHT SWITCH  
 LT LIGHT TRANSFORMER  
 LTO LIGHT TRANSFORMER OVERLOAD

**M**  
 MB MAIN BREAKER  
 MC METALLIC CONDUIT  
 MCP MOTOR CIRCUIT PROTECTOR  
 MCC MOTOR CONTROL CENTER  
 MH MOUNTING HEIGHT  
 MSB MAIN SWITCHBOARD

**N**  
 (N) NEW  
 Nav NAVIGATIONAL LIGHTS  
 NSW NEUTRAL SWITCHING BREAKER

**O**  
 O/C ON CENTER  
 OL OVERLOAD

**P**  
 PB PULL BOX or PUSHBUTTON  
 PCP PUMP CONTROL PANEL  
 PFR PHASE FAILURE RELAY  
 PFRD PHASE FAILURE RELAY DISCONNECT  
 PL PILOT LIGHT  
 PS PRESSURE SWITCH  
 PTS POWER TRANSFER SWITCH  
 PV PHOTOVOLTAIC

**R**  
 RES RESISTOR  
 Rm ROOM  
 RTB RADIO TERMINAL BOARD

**S**  
 S STARTER COIL  
 Sch SCHEDULE  
 SD SERVICE DISCONNECT  
 SFR SEAL FAILURE RELAY  
 SL SUMP LIGHT  
 SPR STANDBY POWER RECEPTACLE  
 Sq SQUARE  
 SS SELECTOR SWITCH  
 ST STARTER  
 SV SOLENOID VALVE  
 SWIM SLOW WEIGH-IN-MOTION

**T**  
 TB TERMINAL BLOCK  
 TDR TIME DELAY RELAY  
 TGLS TOGGLE SWITCH  
 TM TIME METER  
 TS TIMER SWITCH  
 TSW TEST SWITCH  
 TTb TELEPHONE TERMINAL BOARD

**U**  
 UPS UNINTERRUPTIBLE POWER SUPPLY

**W**  
 WLS WATER LEVEL SWITCH  
 WP WEATHERPROOF  
 WSMS WEIGH STATION MESSAGE SIGN

**SYMBOLS**

∠ ANGLE  
 ° DEGREES  
 Δ DELTA  
 ∅ PHASE  
 ± PLUS OR MINUS

**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: *Polly Parenti*  
**POLLY PARENTI**  
 Approval date: 10-15-12

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		24	41

Tommy F. Lee  
 REGISTERED ELECTRICAL ENGINEER  
 1-4-13 DATE

4-29-13  
 PLANS APPROVAL DATE

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**PROJECT NOTES:**

1. Separate grounded (Neutral) conductor shall be used for each 120-volt circuit.
2. Homeruns to Panelboards shall be installed as shown on the plans. Homeruns shall not be combined.
3. A single insulated equipment grounding conductor, sized as required, shall be installed in each conduit run.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 53M5704  
 POST MILE

**CENTRAL BANDINI MAINTENANCE STATION WASHRACK**

SHEET **EE0-1**

TAEMWW Imperlal Rev. 3/12

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3597 07120002721  
 EA 07-1W5201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)							
3/18/09	6/22/12	7/26/12	8/30/12	9/27/12	12/11/12	1/4/13	

SHEET OF

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

Project Name: CENTRAL BANDINI MAINTENANCE STATION	Date: 12/13/12
Project Address: 7300 EAST BANDINI BOULEVARD IN COMMERCCE CITY, CA	Total Hardscape Illuminated Area: NA

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: TOMMY F. LEE Signature: *Tommy F. Lee*

Company: CA DEPARTMENT OF TRANSPORTATION Date: 6/28/12

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

City/State/Zip: SACRAMENTO, CA 95816 Phone: (916) 227-8376

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: TOMMY F. LEE Signature: *Tommy F. Lee*

Company: CA DEPARTMENT OF TRANSPORTATION License #: E 18534

Address: 1801 30TH STREET

City/State/Zip: SACRAMENTO, CA 95816 Date: EXP 12-31-14

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

## COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: CENTRAL BANDINI MAINTENANCE STATION Date: 12/13/12

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 See footnote below (i.e., lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire 1	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Field Inspector 2
					Default from NA-8	According to S 130 (d or e)			Pass Fail
L1	Surface, 82 W LED, LED Engine Driver	FC	73	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8	584	<input type="checkbox"/> <input type="checkbox"/>
L2	Wall Mount, 26 W LED, LED Engine Driver and PEC	FC	26	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	26	<input type="checkbox"/> <input type="checkbox"/>
L3	Surface, 39 W LED, LED Engine Driver and Motion Sensor	FC	39	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	39	<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:								649	

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
2	Photoelectric cell	CANOPY, EXTERIOR LIGHT			
2	TIMER SWITCH	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
07	LA	5704		25	41

*Tommy F. Lee*  
REGISTERED ELECTRICAL ENGINEER 1-4-13 DATE  
No. 18534  
Exp. 12-31-14  
ELEC  
STATE OF CALIFORNIA

4-29-13  
PLANS APPROVAL DATE

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Reviewed by: *Polly Parenti*  
POLLY PARENTI  
Approval date: 10-15-12

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY	DESIGN BY Tommy F. Lee	CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53M5704	CENTRAL BANDINI MAINTENANCE STATION WASHRACK	SHEET EE0-2
	DETAILS BY Tommy F. Lee	CHECKED Joseph Abdelsayed		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
QUANTITIES BY Tommy F. Lee	CHECKED Joseph Abdelsayed					OLTG COMPLIANCE FORMS - 1 & 2 OF 4	
TAEMWW Imperial Rev. 3/12	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07120002721	EA 07-1W5201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

25-MAR-2014 11:32 ee0\_2.dgn



General Notes:

- For exact location of Dual Bay Wash Rack and Sump, see Architectural sheets.

Notes:

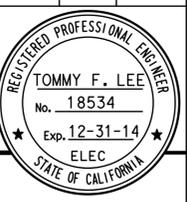
- (A) Existing Panel L1B is 150 A, 208/120 V, 3-phase, 4 wire. Remove existing 20 A, 2-pole circuit breaker in space L1B 23-25 and install 60 A, 3-pole circuit breaker in space L1B 25-27-29.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		27	41

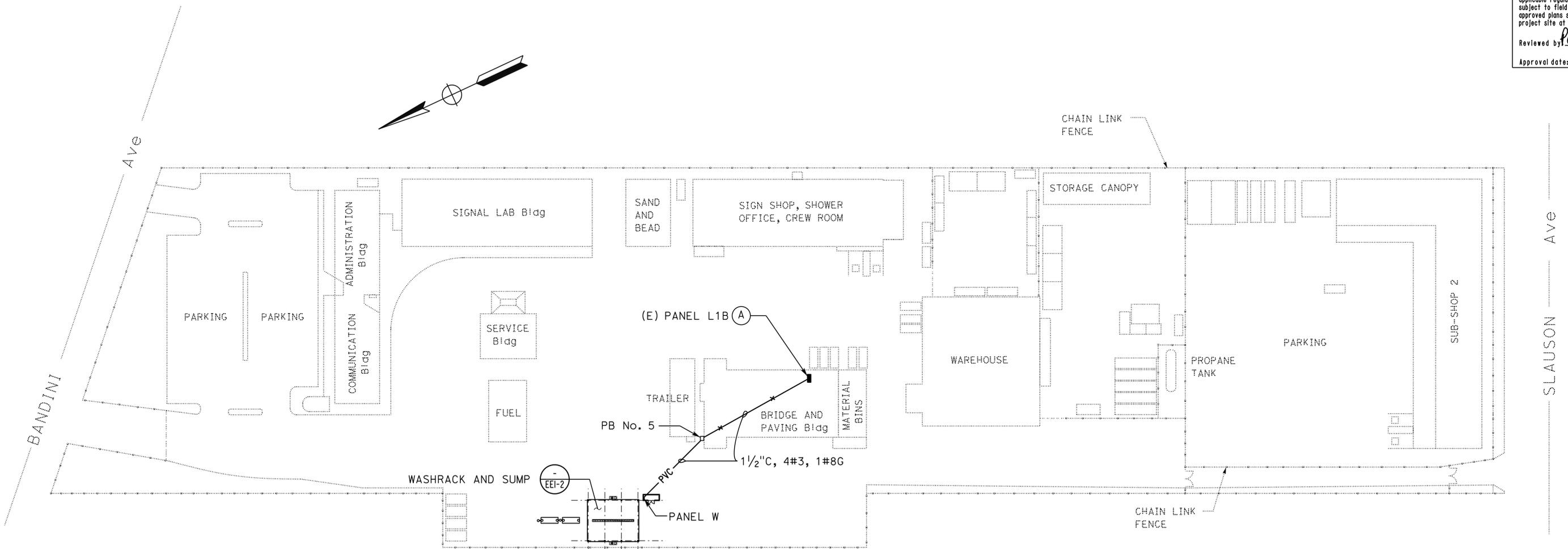
Tommy F. Lee  
REGISTERED ELECTRICAL ENGINEER  
DATE 1-4-13

4-29-13  
PLANS APPROVAL DATE

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POLLY PARENTI  
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**SITE PLAN**  
SCALE 1" = 50'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY		 DESIGN SUPERVISOR  DESIGN ENGINEER		DESIGN BY Tommy F. Lee CHECKED Joseph Abdelsayed DETAILS BY Tommy F. Lee CHECKED Joseph Abdelsayed QUANTITIES BY Tommy F. Lee CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53M5704 POST MILE	<b>CENTRAL BANDINI MAINTENANCE STATION WASHRACK</b> SITE PLAN	SHEET <b>EE1-1</b> OF
TAEMWW Imperial Rev. 3/12		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07120002721 EA 07-1W5201	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 4/28/12 6/28/12 7/28/12 8/28/12 9/28/12 12/28/12 1/4/13	SHEET OF

25-MAR-2014 11:32 ee1\_1.dgn

General Notes:

- Locations of vacuum cleaners, sand-oil separator, and clarifier tank as shown are arbitrary only. See Wastewater Plan sheets "SS" for exact locations.
- Provide sensor cables from sensor units to the monitoring systems without splicing.

Notes:

- (A) 1"C, Oil sensor cable.
- (B) 1"C, Sludge sensor cable.
- (C) Sludge Tank Monitoring system inside NEMA 4X junction box mounted on structural column at MH=3'-6". Label junction box as "SLUDGE TANKS MONITORING SYSTEM".
- (D) Oil Monitoring system inside NEMA 4X junction box mounted on structural column at MH=3'-6". Label junction box as "OIL MONITORING SYSTEM".

Notes:

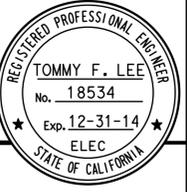
- (E) High pressure washer receptacle (Special purpose receptacle, 30-ampere, 3-pole plus grounding pole, black with blue gasket), MH=3'-6"
- (F) Stub up conduit adjacent and to suit vacuum cleaner unit furnished.
- (G) Install GFCI duplex receptacle inside the junction box.
- (H) Bond steel structure to ground bar.
- (I) Install adhesive warning sign: "Warning: Arc Flash and Shock Hazard Appropriate PPE and Tools Required When Working On This Equipment (with graphic)".
- (J) Install 1"C, liquid tight cable grip connector on sensor conduit.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		28	41

Tommy F. Lee  
REGISTERED ELECTRICAL ENGINEER DATE 1-4-13

4-29-13  
PLANS APPROVAL DATE

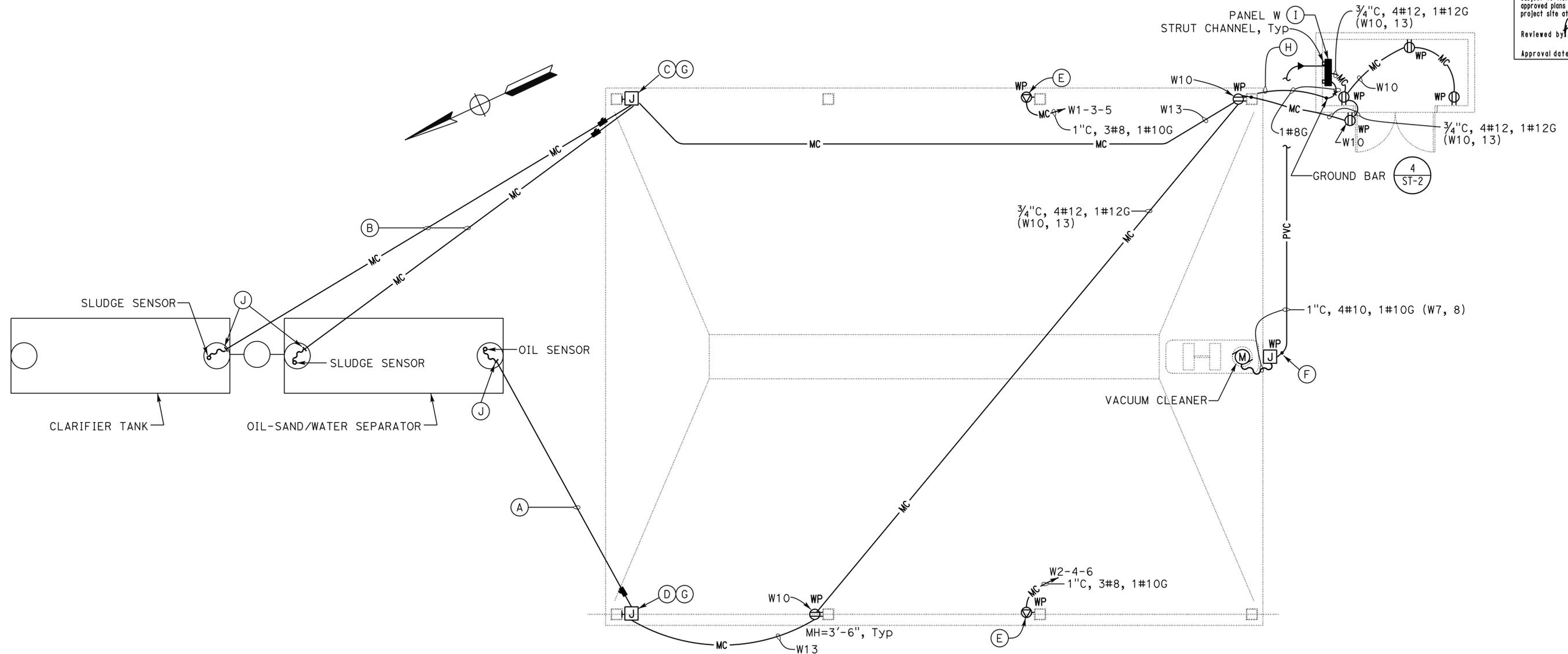
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POLLY PARENTI  
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**PLAN**  
1/4" = 1'-0"

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	DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed			POST MILE				
	QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed							
TAEMWW Imperial Rev. 3/12	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT PROJECT NUMBER & PHASE	3597 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		29	41

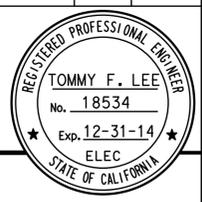
  

Tommy F. Lee		1-4-13
REGISTERED ELECTRICAL ENGINEER	DATE	

4-29-13
PLANS APPROVAL DATE

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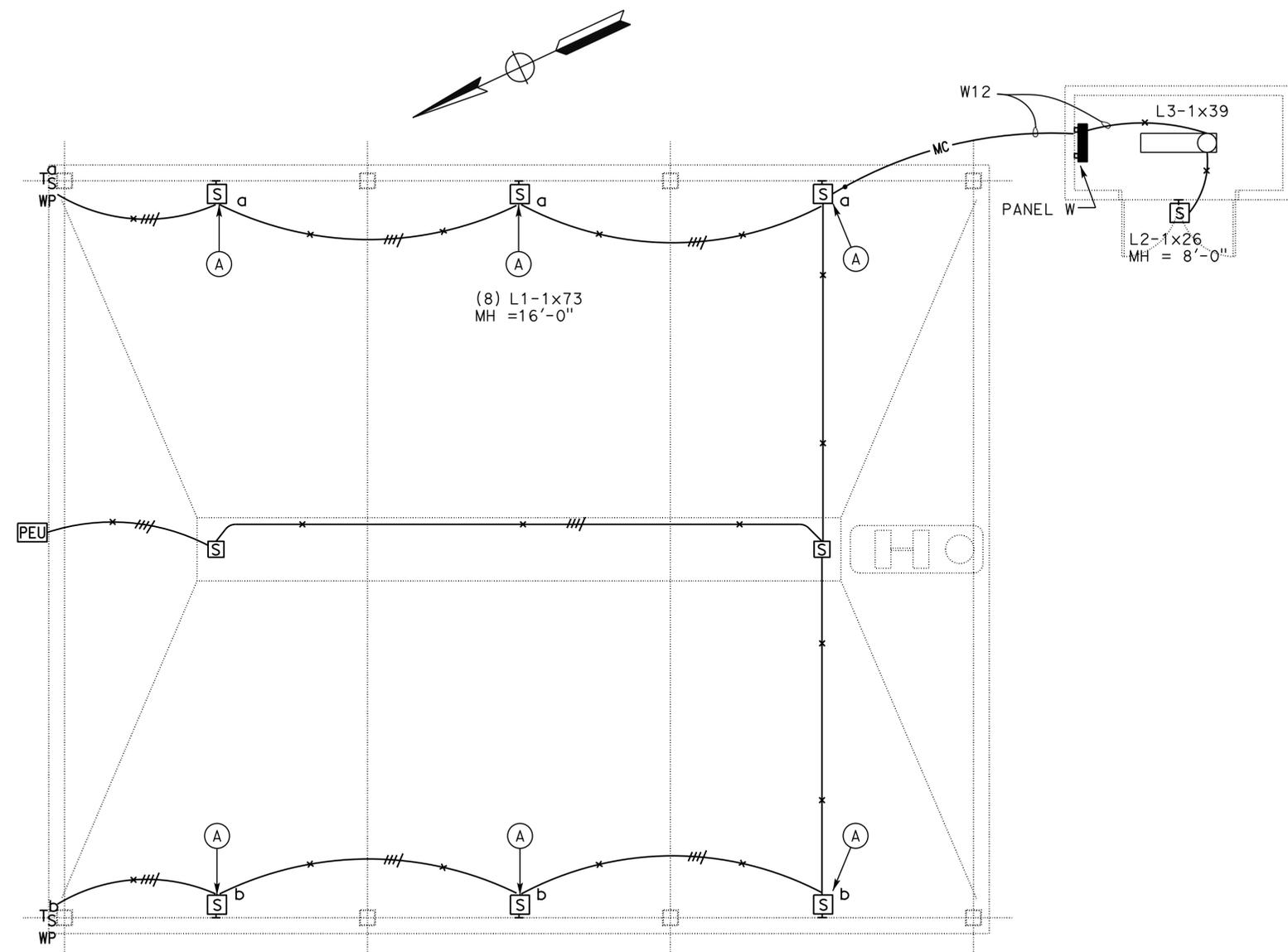


GENERAL NOTE:

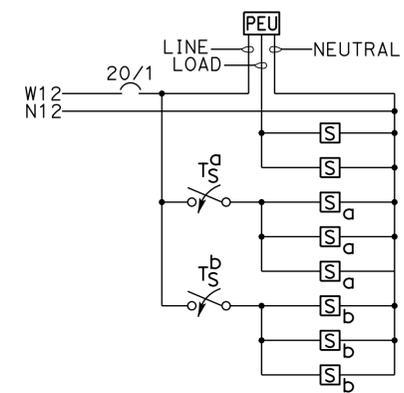
1. For Lighting fixture schedule, see specification.

NOTES:

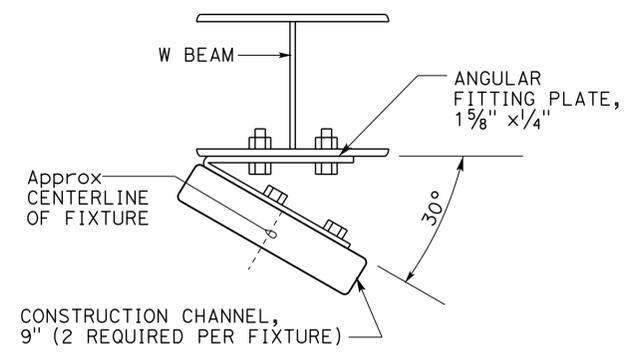
(A) For fixture installation, see Detail A on this sheet.



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



**CANOPY LIGHTING WIRING DIAGRAM**



**(A) FIXTURE MOUNTING DETAIL**  
NO SCALE

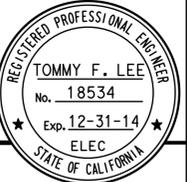
CALIFORNIA STATE FIRE MARSHAL  
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POLLY PARENTI  
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	DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed			53M5704		
	QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed			POST MILE	LIGHTING PLAN	
TAEMWW Imperlal Rev. 3/12	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07120002721	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		30	41

Tommy F. Lee  
 REGISTERED ELECTRICAL ENGINEER 1-4-13  
 DATE



4-29-13  
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MAIN: 60 A MB  
 VOLTS: 208/120 V, 3-PHASE, 4-WIRE

PANEL W

FEEDER SIZE: 4#3, 1#8G  
 LOCATION: WASHRACK

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION	
	A	B	C								A	B	C		
PORTABLE PRESSURE WASHER - EAST	18			30/3	1	•			2		18			PORTABLE PRESSURE WASHER - WEST	
		18			3	•			4	30/3		18			
			18		5	•			6				18		
VACUUM MOTOR	10			20/1	7	•			8	20/1	6			AIR COMPRESSOR MOTOR	
SPARE		-		30/2	9	•			10	20/1		9		RECEPTACLES	
			-		11	•			12	20/1			6		LIGHTING
OIL/SLUDGE MONITORING SYSTEM	3			20/1	13	•			14		-			SPARE	
SPARE		-			15	•			16		-				
			-		17	•			18			-			
	-				19	•			20		-				

\* GFCI CIRCUIT BREAKER TYPE

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
55	45	42	

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 53M5704  
 POST MILE

CENTRAL BANDINI MAINTENANCE STATION WASHRACK

PANEL SCHEDULE

SHEET EE1-4

TAEMWW Imperial Rev. 3/12

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3597 07120002721  
 EA 07-1W5201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)							
4/11/12	6/28/12	7/24/12	8/30/12	9/27/12	12/11/12	1/4/13	

SHEET OF

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# ABBREVIATIONS

AB	AGGREGATE BASE	IN	INCH
HMA	ASPHALT CONCRETE	JB	JUNCTION BOX
B	BUNG	KW	KILOWATT
BLDG	BUILDING	LB	POUND
C	CONDUIT	LS	LANDSCAPE IRRIGATION
C-C	CENTER TO CENTER	LT	LEFT
CFS	CUBIC FEET PER SECOND	MAX	MAXIMUM
CI	CAST IRON	MBV	MOTORIZED BALL VALVE
CL	CHAIN LINK	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM
CONC	CONCRETE	N	NORTH
COTF	CLEANOUT TO FLOOR	NB	NORTHBOUND
COTG	CLEANOUT TO GRADE	NIC	NOT IN CONTRACT
CPLG	COUPLING	NO	NUMBER
CW	COLD WATER PIPE	Nom	NOMINAL
D	DRAIN	OC	ON CENTER
DBH	DIAMETER AT BREAST HEIGHT	OD	OUTSIDE DIAMETER
DI	DRAIN INLET	OG	ORIGINAL GROUND
DIA	DIAMETER	P	PITCH
DP	DRAIN PIPE	PCC	PORTLAND CEMENT CONCRETE
E	ELECTRICAL	PH	PHASE
(E)	EXISTING	PRV	PRESSURE REDUCING VALVE
EA	EACH	PVC	POLYVINYL CHLORIDE
EL	ELEVATION	R	RADIUS
EP	EDGE OF PAVEMENT	RCP	REINFORCED CONCRETE PIPE
EQ	EQUAL	REQ	REQUIRED
FOB	FACE OF BUILDING	rpm	REVOLUTIONS PER MINUTE
FF	FINISH FLOOR	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
FG	FINISH GRADE	RPU	RECYCLE PROCESS UNIT
FL	FLOW LINE	RT	RIGHT
FM	FORCE MAIN	R/W	RIGHT-OF-WAY
FOC	FACE OF CONCRETE	S	SLOPE
FG	FINISH GRADE	SB	SOUTHBOUND
FS	FLOW SWITCH	SCH	SCHEDULE
FT	FEET	SD	STORM DRAIN
FTR	FLUE THROUGH ROOF	SP	SEWAGE PIPE
GA	GAUGE	SQ	SQUARE
GAC	GRANULAR ACTIVATED CARBON	SSMH	SANITARY SEWER MANHOLE
GAL	GALLON	STA	STATION
GPM	GALLONS PER MINUTE	STD	STANDARD
GALV	GALVANIZED	TBM	TEMPORARY BENCH MARK
GSP	GALVANIZED STEEL PIPE	TOC	TOP OF CONCRETE
GV	GATE VALVE	TOT	TOTAL
GS	GOVERNMENT SERVICE LINE	TYP	TYPICAL
H	HEIGHT	VAC	VOLTS AC
HP	HOSE FAUCET	VCP	VITRIFIED CLAY PIPE
HF	HORSEPOWER	W	WATER
HZ	HERTZ	W/O	WITHOUT
ID	INSIDE DIAMETER	WP	WATER PIPE
IE	INVERT ELEVATION (IN FEET)	WSP	WELDED STEEL PIPE

# LEGEND

	FENCE		DETAIL SHEET NUMBER
	SURFACE DRAINAGE	99.00	NEW GRADE IN FEET
	ABANDON	X (100.00)	EXISTING SPOT GRADE IN FEET
	SANITARY SEWER		SURFACE DRAINAGE
	DRAIN		ABANDON
	RETURN DRAIN		BENCHMARK ELEVATION
	VENT		CENTERLINE
	WATER		DIAMETER
	FORCE MAIN		SECTION / ELEVATION LETTER SHEET NUMBER
	LEACH LINES		TREE
			DIRECTION OF TRAFFIC

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		31	41

REGISTERED CIVIL ENGINEER  
 DATE 1/4/13  
 No. 336844  
 Exp. 06-30-14  
 CIVIL  
 STATE OF CALIFORNIA

4-29-13  
PLANS APPROVAL DATE

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Reviewed by   
POLLY PARENTI  
Approval date: 10-15-12

# GENERAL WORK NOTES

- (A) The Contractor shall verify all controlling field dimensions and conditions before ordering or fabricating any materials.
- (B) The Contractor shall verify exact location of all underground facilities and utilities prior to start of construction.
- (C) No 90 degree bends allowed on drain or sewer pipe. Where 90 degree bends are shown, use two 45 degree bends

# PIPE FITTINGS AND VALVES

	CAP
	ELBOW, TURNED DOWN
	FLEXIBLE CONNECTOR
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC
	PRESSURE GAUGE (WITH VALVE AND SNUBBER)
	UNION
	UNION, INSULATING
	VALVE, BALL
	VALVE, CHECK
	VALVE, GATE
	VALVE, SAFETY RELIEF
	VALVE, PRESSURE REDUCING
	HOSE FAUCET
	EYEWASH & SHOWER

DESIGN	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-0</b>	
	DETAILS	BY <i>J.R. Stangl</i>			CHECKED <i>Jerry Marcotte</i>			53M5704
	QUANTITIES	BY <i>Kosha Shah</i>			CHECKED <i>Jerry Marcotte</i>			X
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT 3616 PROJECT NUMBER & PHASE 0712000272	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
DOES SD Imperial Rev. 1/07				0 1 2 3	EA 1W5201	6/28/12 7/3/12 9/28/12 12/7/12 1/4/13		

25-MAR-2014 11:33 ss\_0.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		32	41

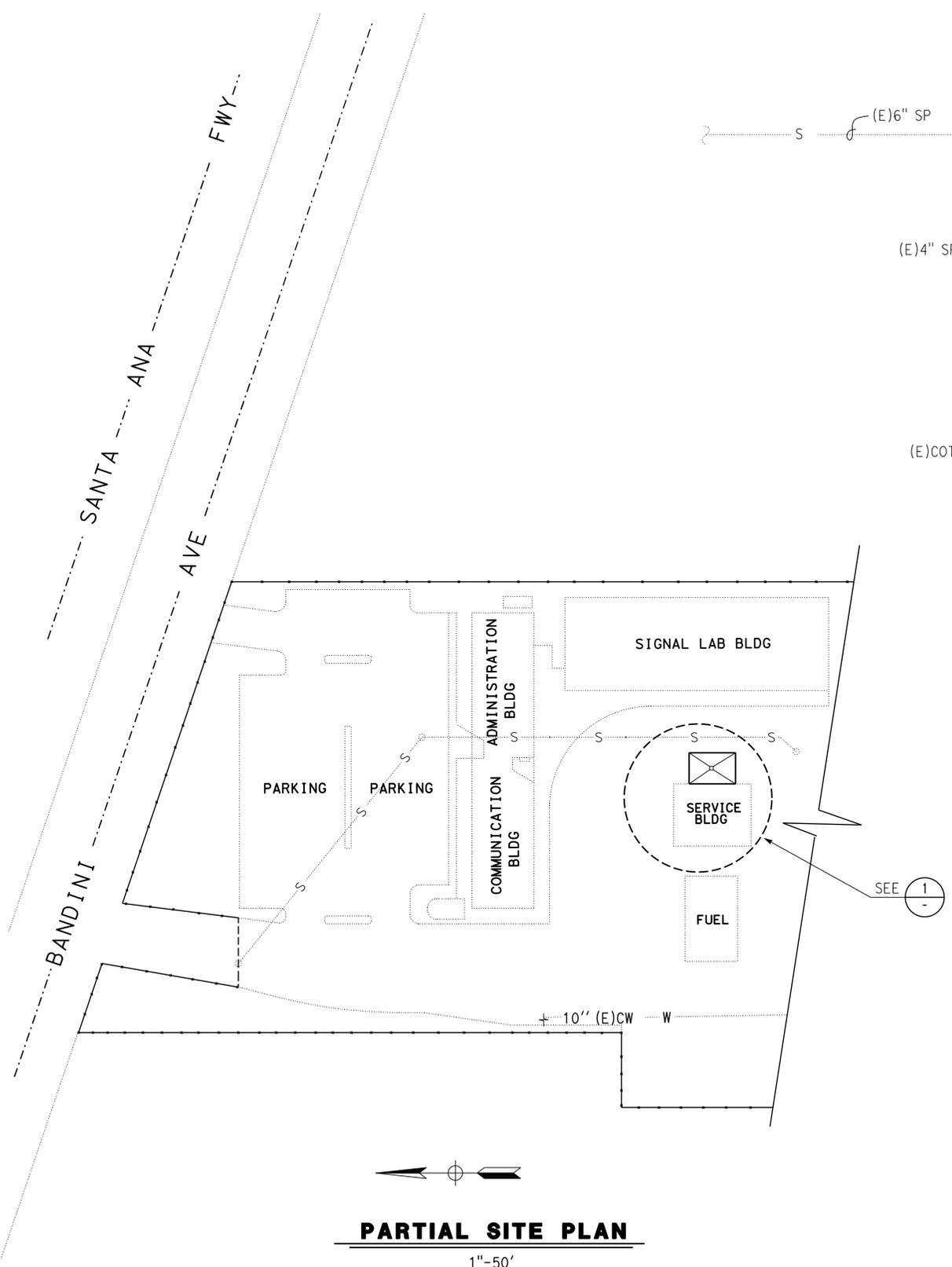
*Jerry R. Marcotte*  
REGISTERED CIVIL ENGINEER  
DATE 1/4/13

*J. Marcotte*  
No. C36844  
Exp. 06-30-14  
CIVIL  
STATE OF CALIFORNIA

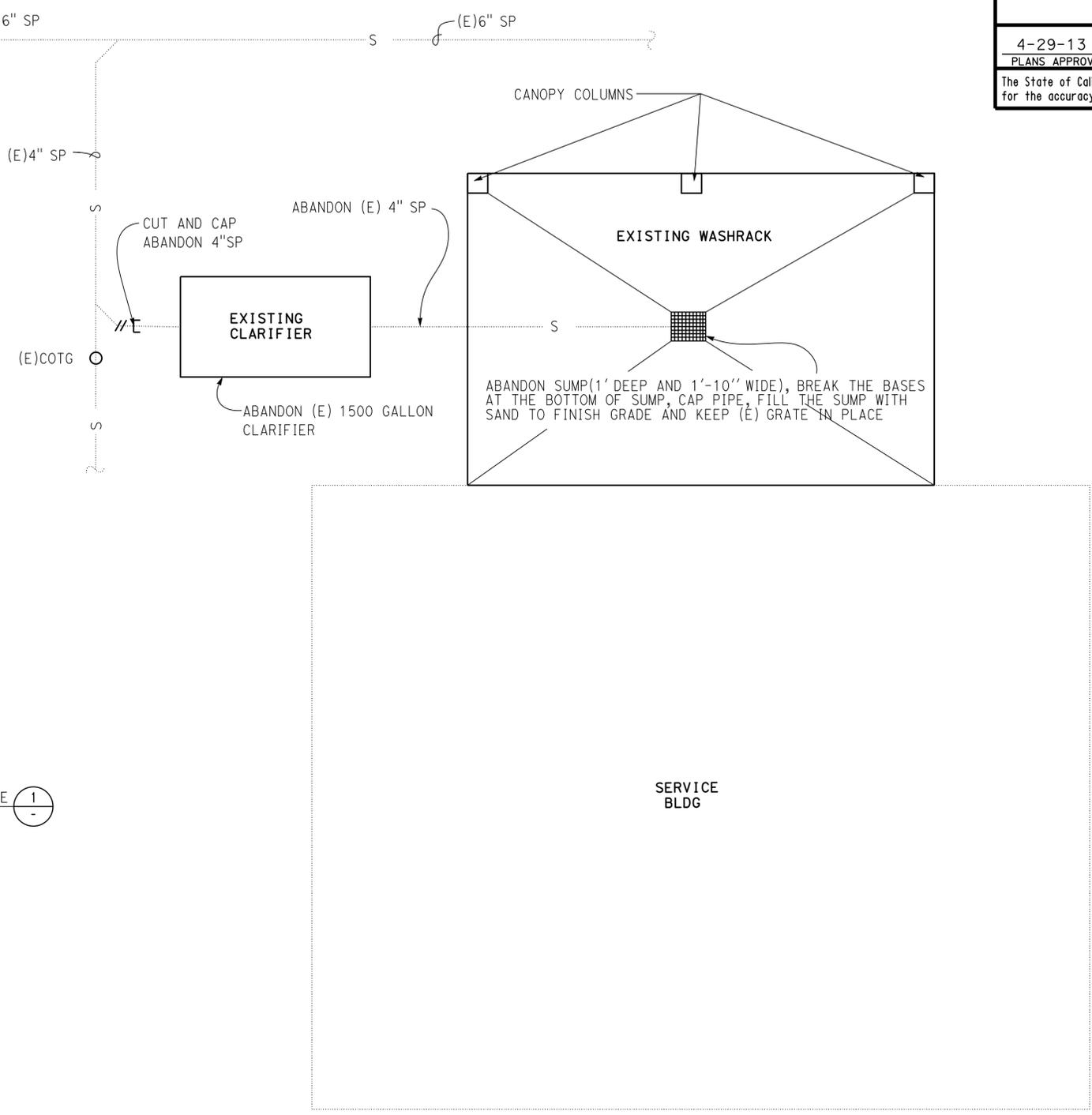
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**POLLY PARENTI**  
Approval date: 10-15-12



**PARTIAL SITE PLAN**  
1"=50'



**1 EXISTING WASHRACK PLAN**  
1"=5'

DESIGN	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>
DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Jerry Marcotte</i>
QUANTITIES	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.	53M5704
POST MILE	X

**CENTRAL BANDINI WASHRACK**  
EXISTING WASHRACK

SHEET **SS-1-1** OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		33	41

*Jerome R. Marcotte*  
REGISTERED CIVIL ENGINEER  
DATE 1/4/13

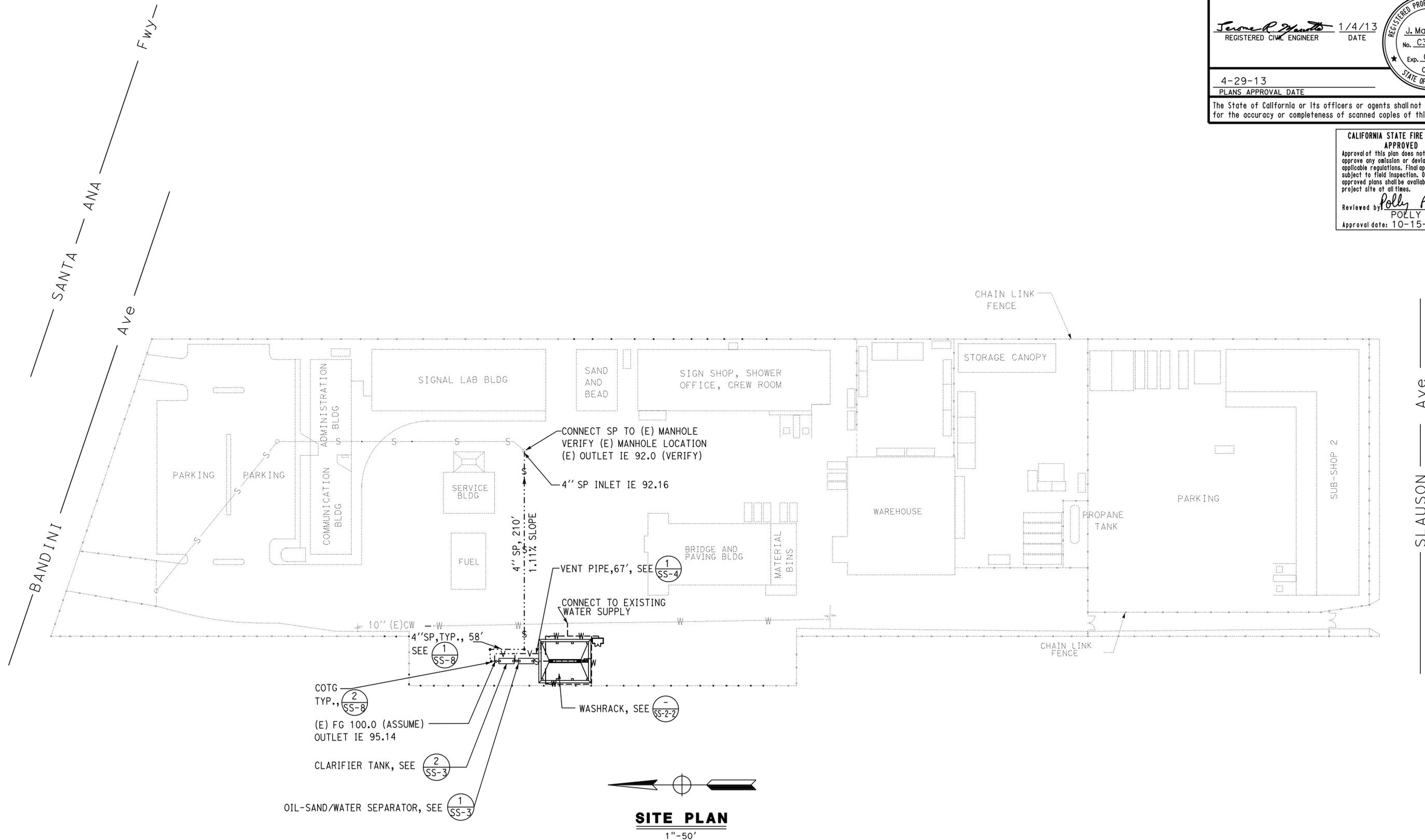
*J. Marcotte*  
No. C36844  
Exp. 06-30-14  
CIVIL  
STATE OF CALIFORNIA

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**POLLY PARENTI**  
Approval date: 10-15-12



<i>Paul Schreff</i> DESIGN SUPERVISOR <i>Jerome R. Marcotte</i> DESIGN ENGINEER	DESIGN	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>
	DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Jerry Marcotte</i>
	QUANTITIES	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-2-1</b>
POST MILE X		
PROPOSED WASHRACK		

DOES SD Imperial Rev. 1/07

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0	1	2	3
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UNIT 3616  
PROJECT NUMBER & PHASE 0712000272

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	6/29/12 7/3/12 9/28/12 12/7/12 1/4/13	

EA 1W5201

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25-MAR-2014 11:33

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		34	41

*Jerry R. Marcotte*  
REGISTERED CIVIL ENGINEER  
DATE 1/4/13

*J. Marcotte*  
No. C36844  
Exp. 06-30-14  
CIVIL  
STATE OF CALIFORNIA

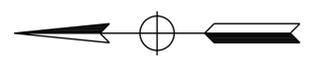
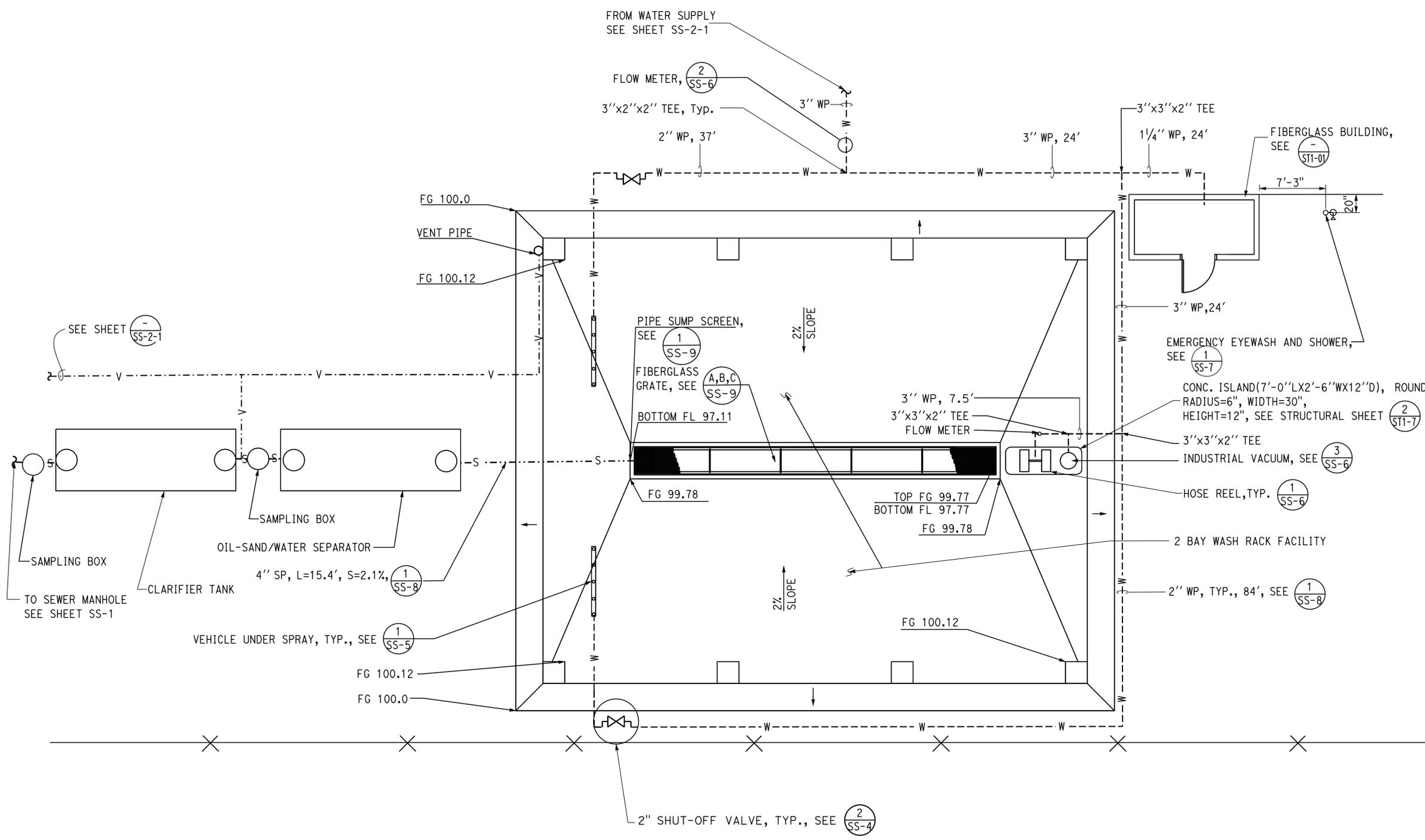
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POLLY PARENTI  
Approval date: 10-15-12



**PLAN**  
1" = 5'-0"

DESIGN	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>
DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Jerry Marcotte</i>
QUANTITIES	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

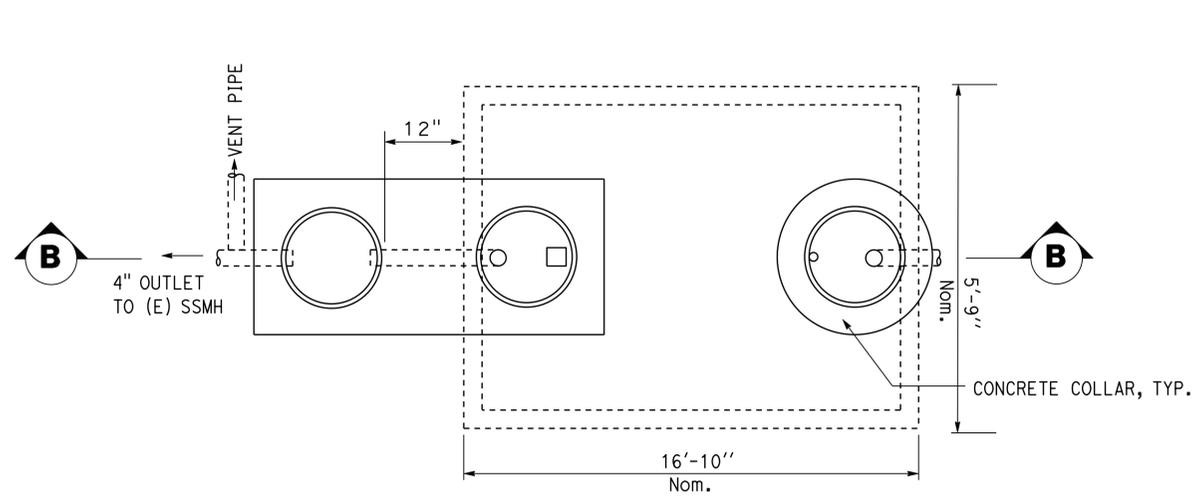
BRIDGE NO.	53M5704
POST MILE	X

**CENTRAL BANDINI WASHRACK**  
WASHRACK PLAN

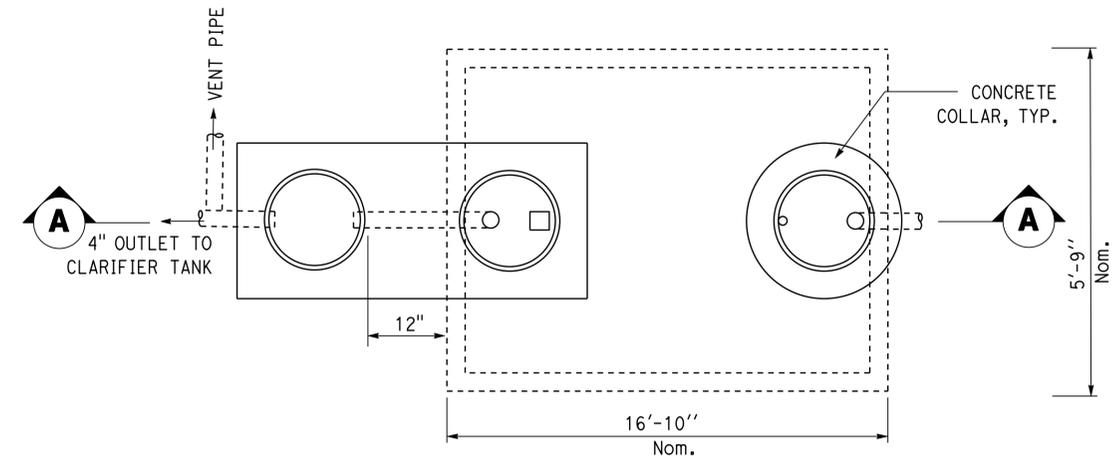
SHEET **SS-2-2** OF

REVISION DATES (PRELIMINARY STAGE ONLY)				
6/29/12	7/3/12	9/28/12	12/7/12	1/4/13

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		35	41
<i>Jerry R. Stangl</i> REGISTERED CIVIL ENGINEER			1/4/13 DATE		
4-29-13 PLANS APPROVAL DATE					
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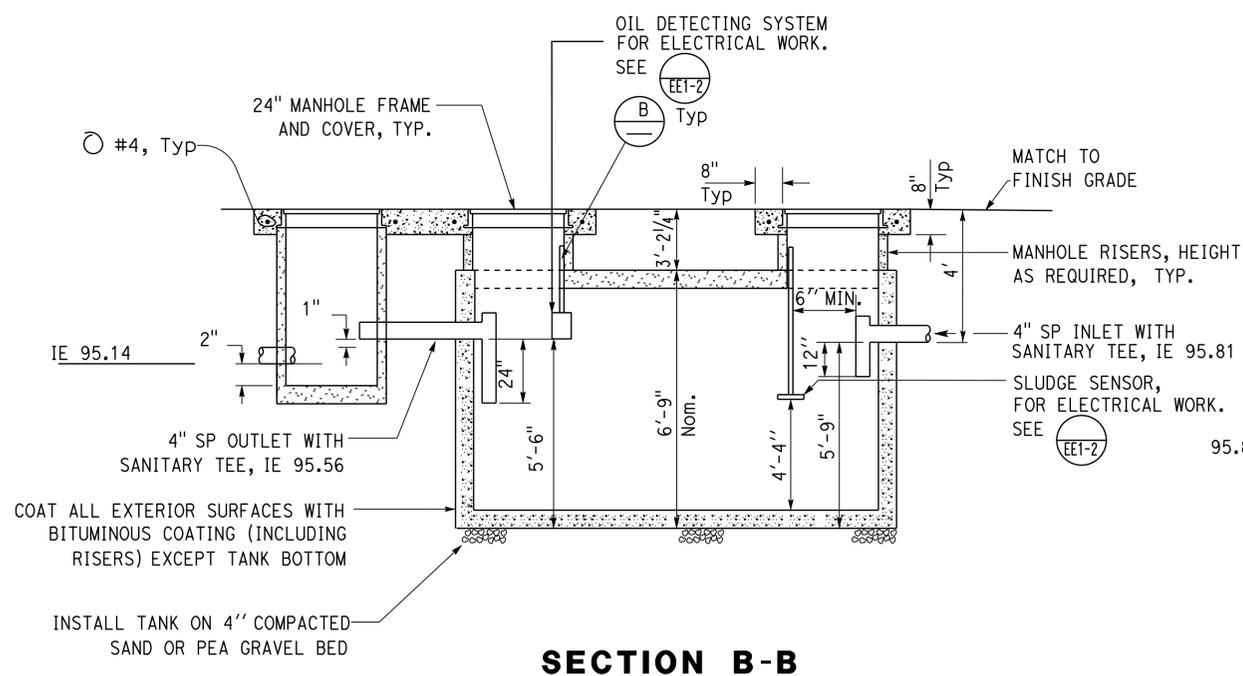


**PLAN**



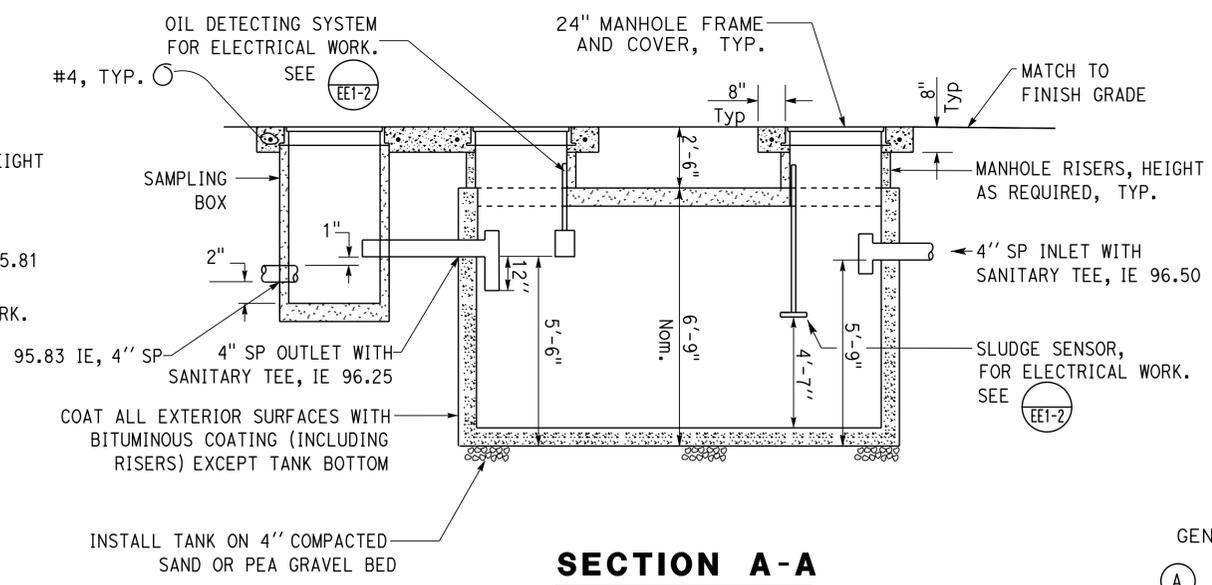
**PLAN**

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by *Polly Parenti*  
**POLLY PARENTI**  
 Approval date: 10-15-12



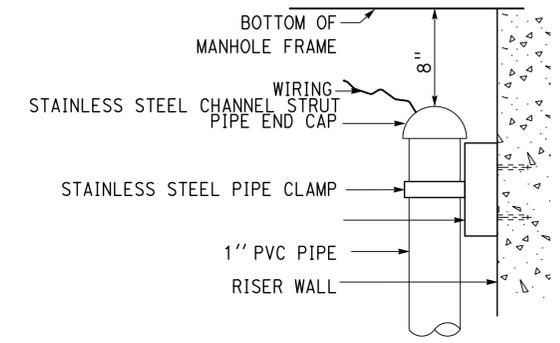
**SECTION B-B**

**2 3,000 GALLON CLARIFIER TANK**  
NO SCALE



**SECTION A-A**

**1 3,000 GALLON OIL-SAND/WATER SEPARATOR**  
NO SCALE



**DETAIL B**  
NO SCALE

- GENERAL NOTES:**
- (A) Tank dimensions to be per manufacturer.
  - (B) Install oil absorbent pillows in the sand-oil separator and in the clarifier.
  - (C) Contractor to verify underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tanks.

DESIGN BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-3</b>
			POST MILE X		
DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Jerry Marcotte</i>	UNIT 3616	PROJECT NUMBER & PHASE 0712000272	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 1W5201	6/28/12	7/3/12	9/28/12

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		36	41

*Jerry R. Marcotte*  
REGISTERED CIVIL ENGINEER

1/4/13  
DATE

*J. Marcotte*  
No. C36844  
Exp. 06-30-14  
CIVIL  
STATE OF CALIFORNIA

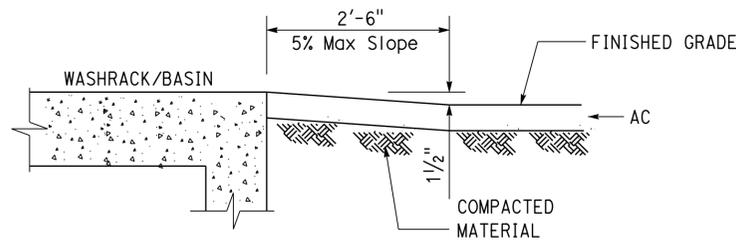
4-29-13  
PLANS APPROVAL DATE

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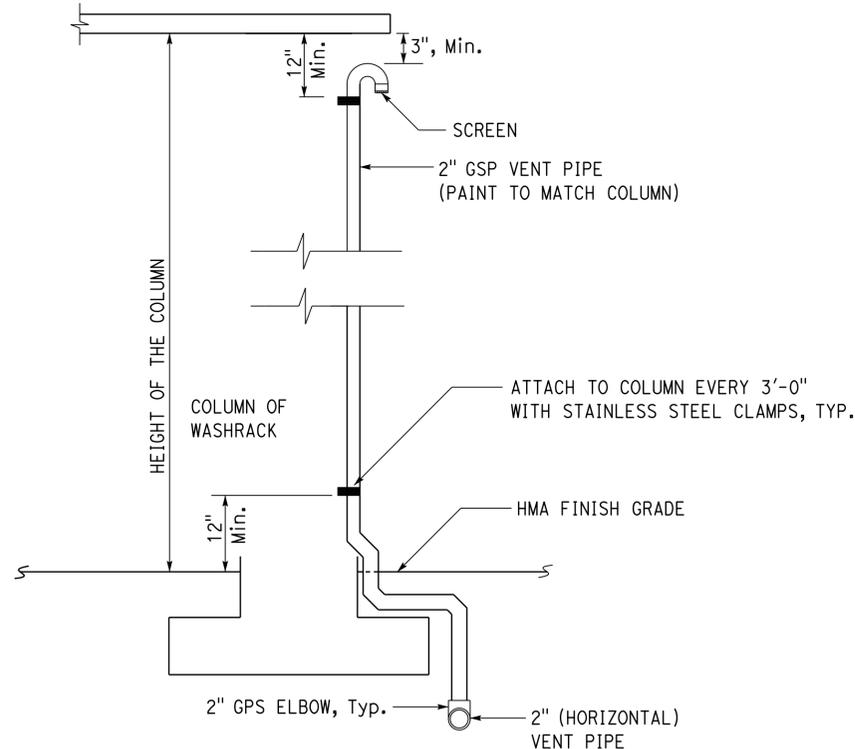
**CALIFORNIA STATE FIRE MARSHAL APPROVED**

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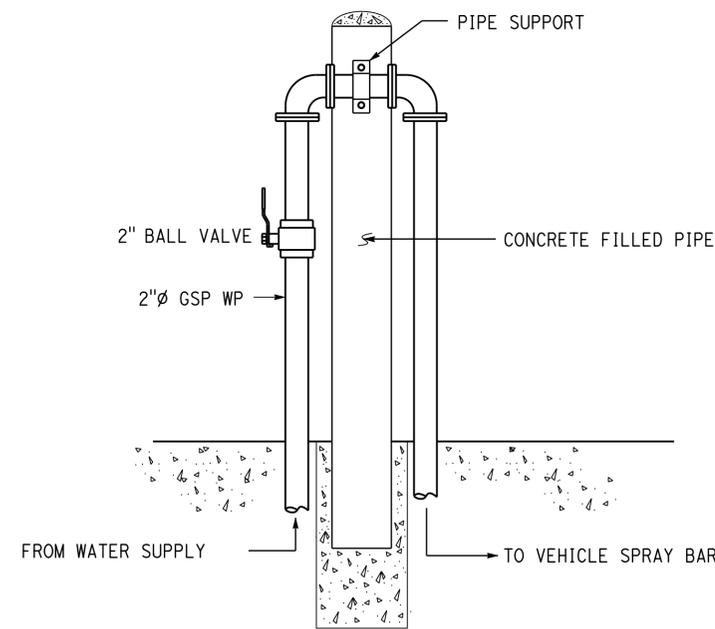
Reviewed by *Polly Parenti*  
POLLY PARENTI  
Approval date: 10-15-12



**3** **OUTSIDE SLOPE FOR WASHRACK**  
NO SCALE



**1** **VENT PIPE ON COLUMN**  
NO SCALE



**2** **BALL VALVE INSTALLATION DETAIL**  
NO SCALE

DESIGN BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-4</b>
			POST MILE X		
DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Jerry Marcotte</i>	UNIT 3616	PROJECT NUMBER & PHASE 0712000272	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	6/28/12 7/3/12 9/28/12 12/7/12 1/4/13		
DOES SD Imperial Rev. 1/07	EA 1W5201				ss_4.dgn

25-MAR-2014 11:33

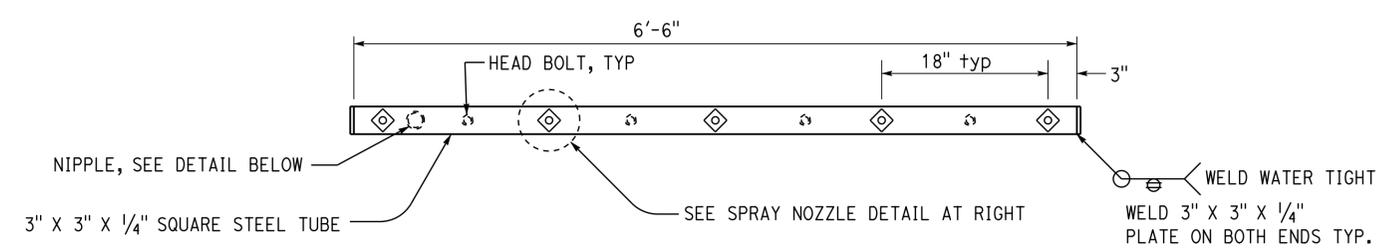
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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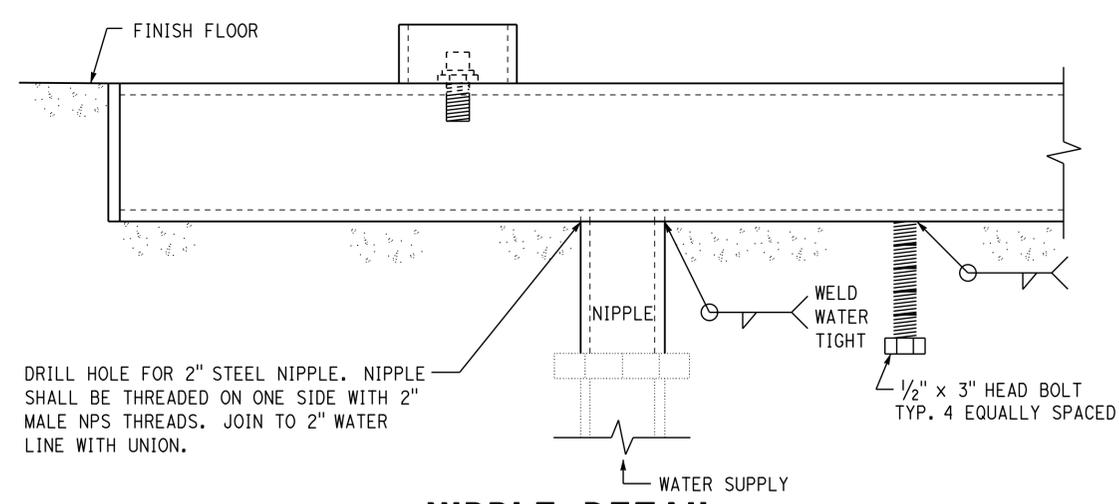
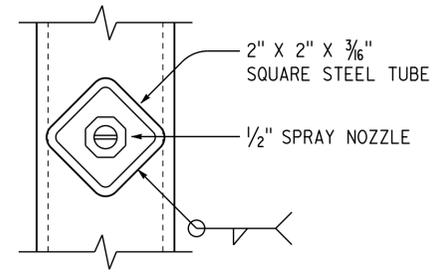
<i>Jerry R. Marcotte</i> REGISTERED CIVIL ENGINEER	1/4/13 DATE	
4-29-13 PLANS APPROVAL DATE		

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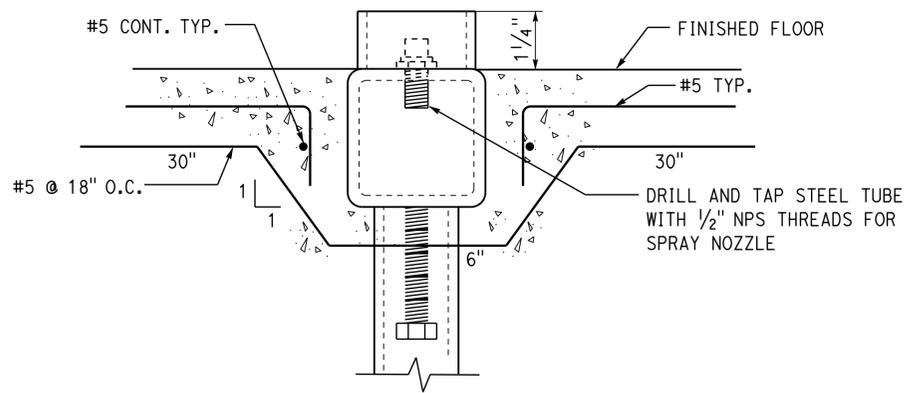
**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by *Polly Parenti*  
**POLLY PARENTI**  
 Approval date: 10-15-12



**VEHICLE SPRAY BAR**  
NO SCALE



**NIPPLE DETAIL**  
NO SCALE



**SPRAY NOZZLE DETAIL**  
NO SCALE

**1 VEHICLE SPRAY BAR DETAIL**  
NO SCALE

General Note:  
All steel parts shall be galvanized.

DESIGN BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-5</b>
			53M5704		
DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Jerry Marcotte</i>			POST MILE	DETAILS	
QUANTITIES BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>			X		
DOES SD Imperial Rev. 1/07	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT 3616 PROJECT NUMBER & PHASE 0712000272	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	0 1 2 3	EA 1W5201		6/28/12 7/3/12 9/28/12 1/4/13	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		38	41

*Jerry R. Marcotte*  
REGISTERED CIVIL ENGINEER

1/4/13  
DATE

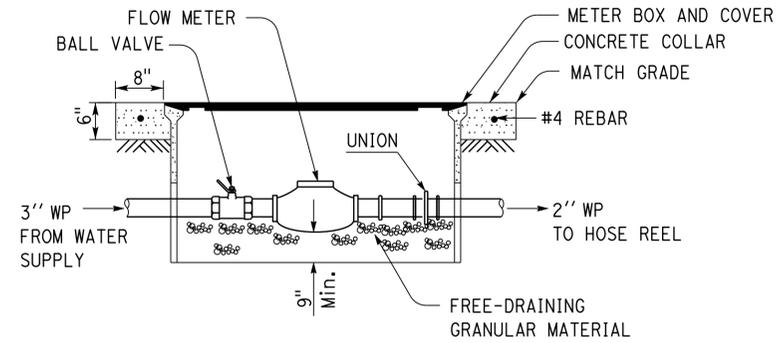
4-29-13  
PLANS APPROVAL DATE

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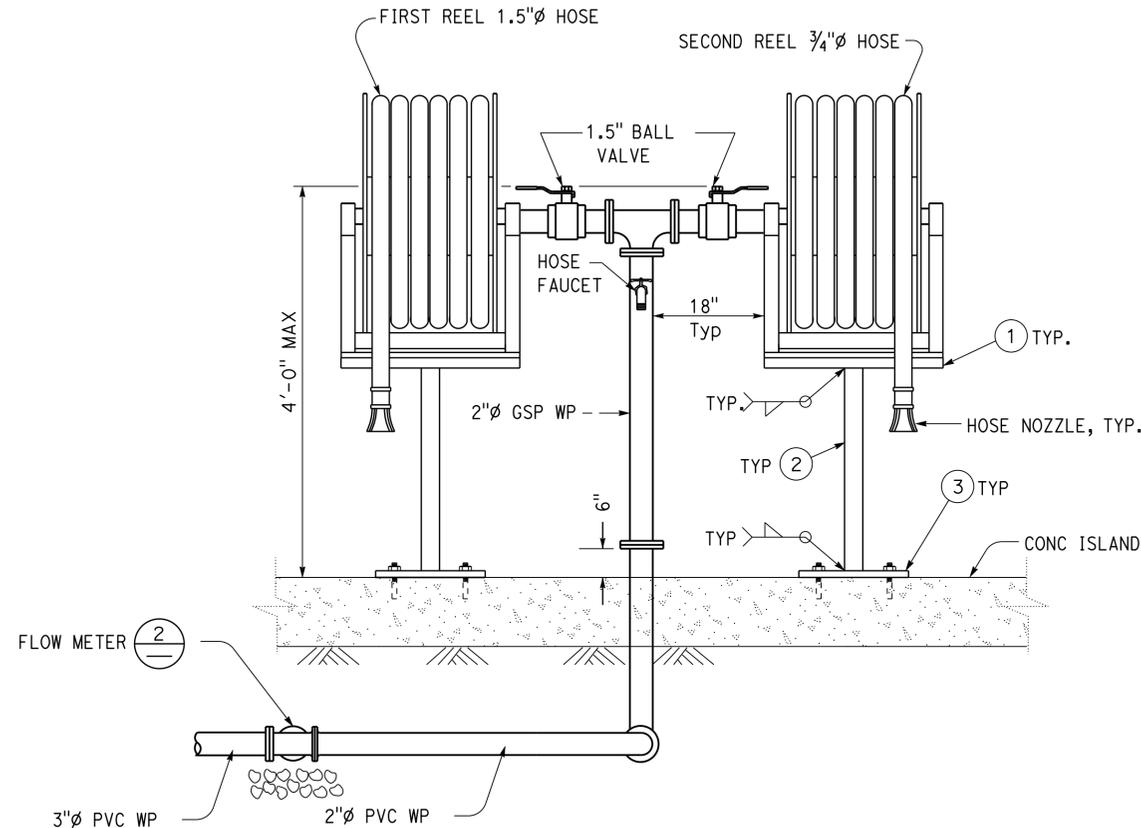
**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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Reviewed by *Polly Parenti*  
**POLLY PARENTI**  
Approval date: 10-15-12

REGISTERED PROFESSIONAL ENGINEER  
J. Marcotte  
No. C36844  
Exp. 06-30-14  
CIVIL  
STATE OF CALIFORNIA



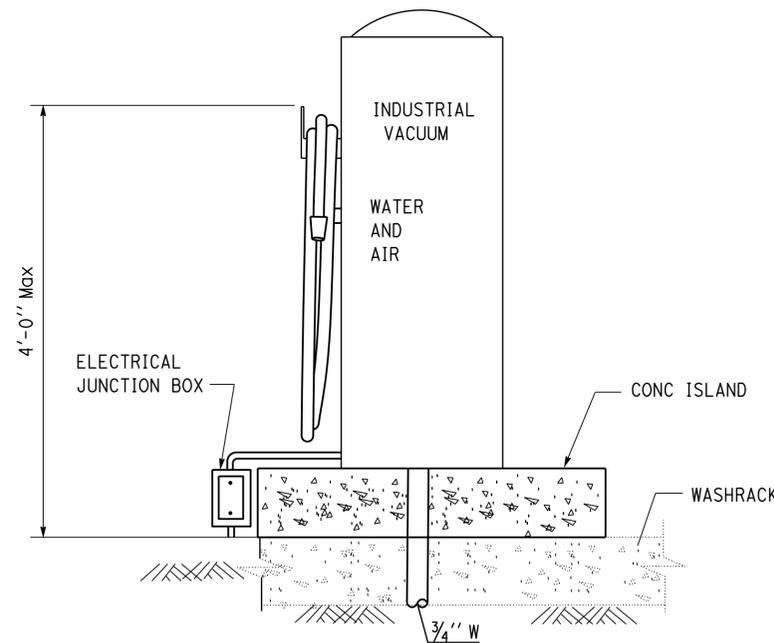
**2 FLOW METER**  
NO SCALE  
NOTE: Min. 9" clearance on all sides



**1 HOSE REEL DETAIL**  
NO SCALE

**Fabrication Notes:**

1. 3/8" steel plate, size per template from reel manufacturer.
2. 3" square steel tube.
3. 9"x9"x3/8" steel plate. Secure with (4) 3/8" x 3" bolts with washers.



**3 VACUUM FOUNDATION DETAIL**  
NO SCALE

DESIGN BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Jerry Marcotte</i>	QUANTITIES BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-6</b>	
					POST MILE X		DETAILS	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT 3616 PROJECT NUMBER & PHASE 0712000272	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 6/29/12   7/3/12   9/28/12   12/7/12   1/4/13			SHEET OF
DOES SD Imperial Rev. 1/07			EA 1W5201				ss_6.dgn	

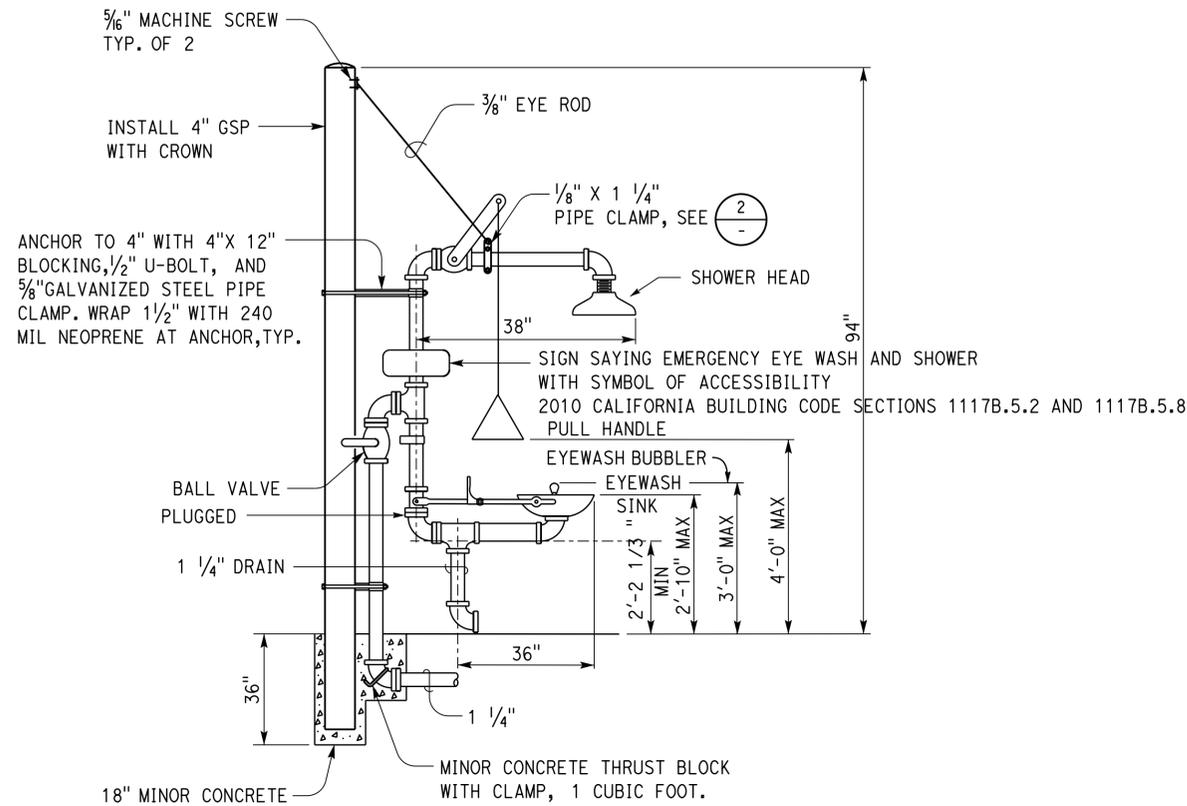
25-MAR-2014 11:33

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		39	41

*Jerry Marcotte*  
REGISTERED CIVIL ENGINEER  
DATE 1/4/13

4-29-13  
PLANS APPROVAL DATE

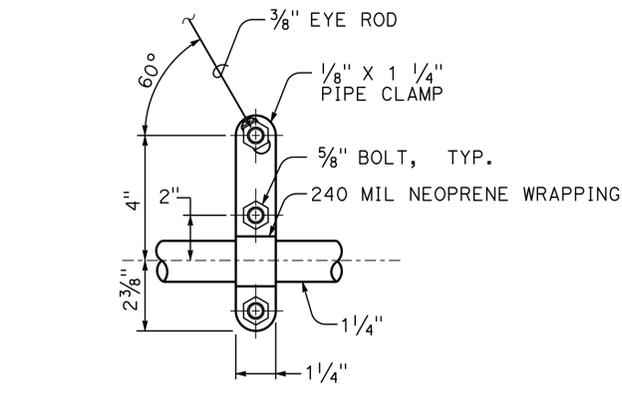
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**1 EMERGENCY EYEWASH AND SHOWER DETAIL**

(DISABLED ACCESSIBLE)  
NO SCALE

NOTE: PROVIDE MINIMUM 2'-6" X 4'-0" CLEAR FLOOR SPACE IN FRONT OF AND CENTERED WITH FIXTURE WITH MAXIMUM 2% SLOPE IN ALL DIRECTIONS.



**2 PIPE CLAMP DETAIL**

NO SCALE

DESIGN	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>
DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Jerry Marcotte</i>
QUANTITIES	BY <i>Kosha Shah</i>	CHECKED <i>Jerry Marcotte</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.	53M5704
POST MILE	X

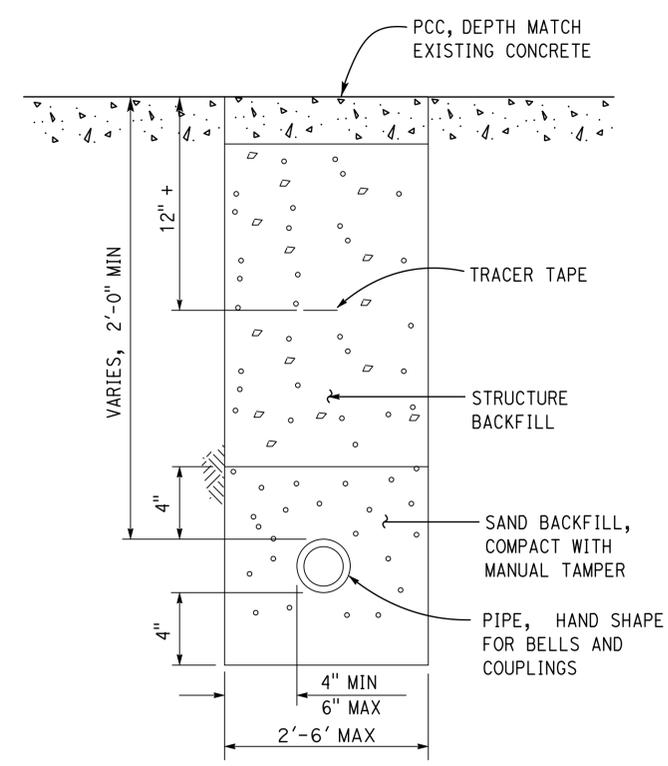
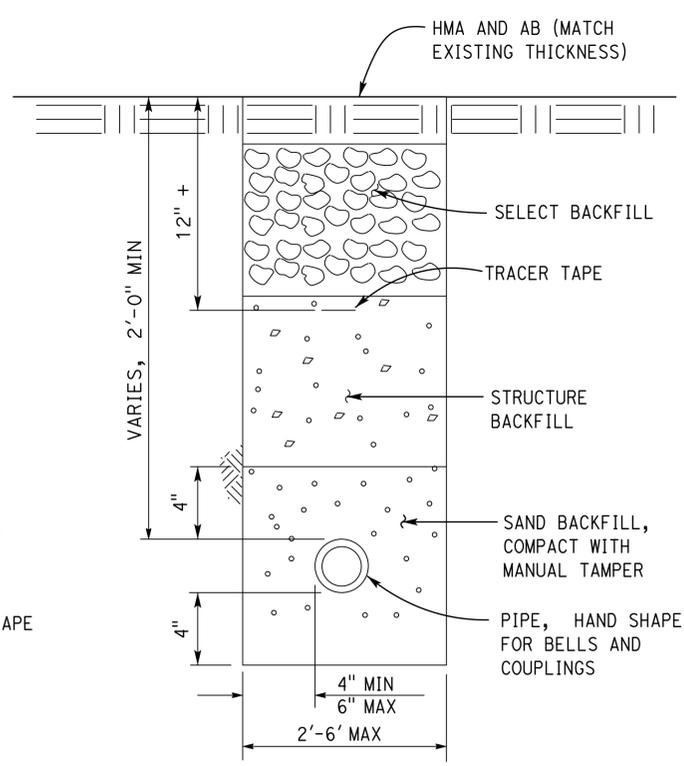
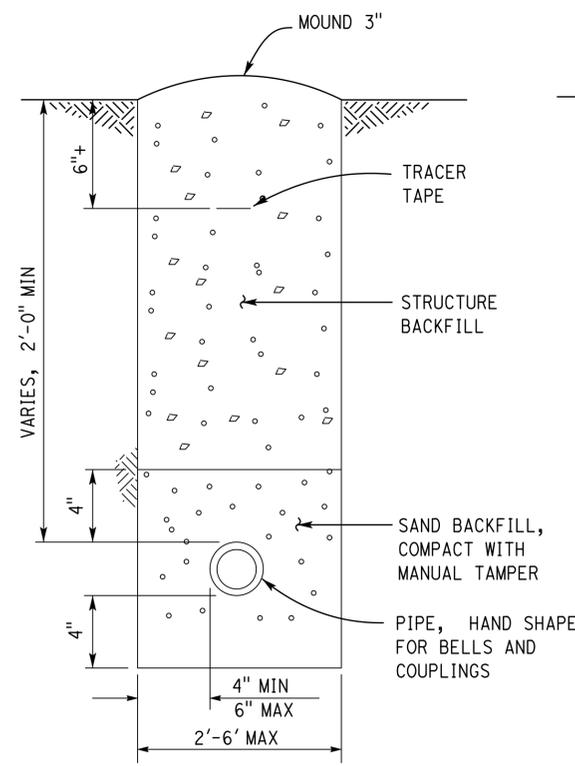
**CENTRAL BANDINI WASHRACK**  
DETAILS

SHEET **SS-7** OF

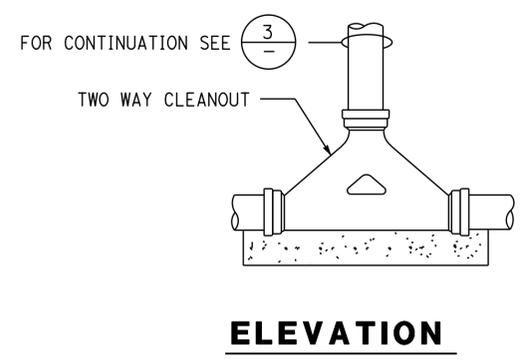
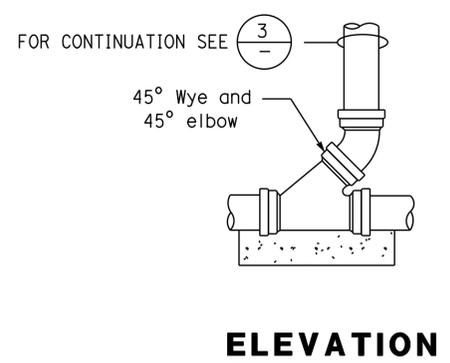
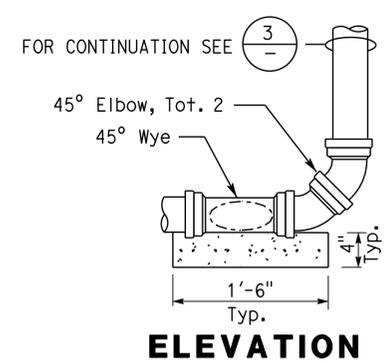
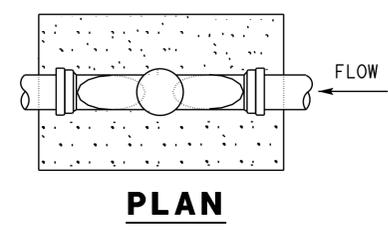
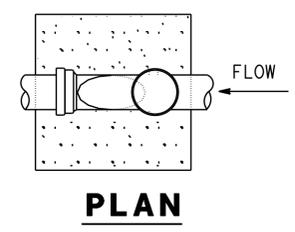
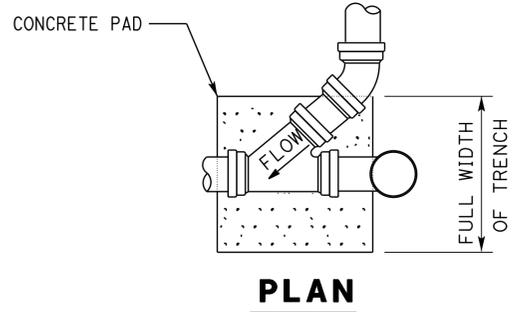
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		40	41

<i>Jerry R. Marcotte</i> REGISTERED CIVIL ENGINEER	1/4/13 DATE
4-29-13 PLANS APPROVAL DATE	
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**1 UNDERGROUND SEWER/WATER/DRAIN PIPE**  
NO SCALE



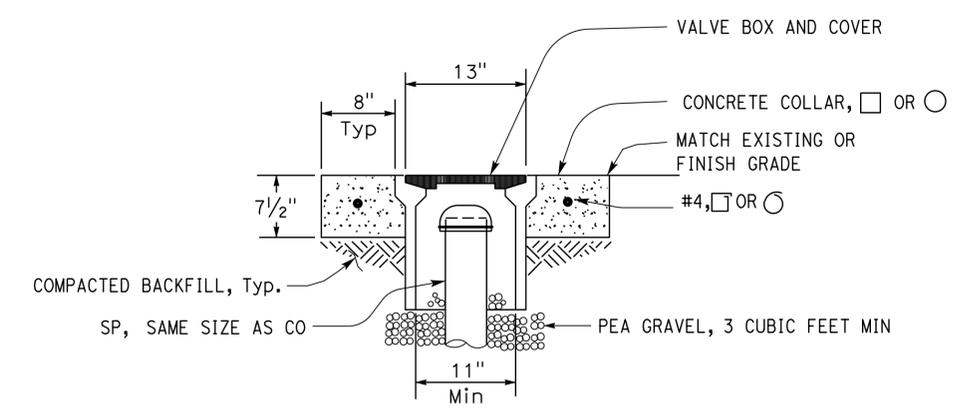
**CLEANOUT (AT BEND)**

**CLEANOUT (STANDARD)**

**TWO-WAY CLEANOUT**

**2 CLEANOUT TO GRADE - GRAVITY**  
NO SCALE

Note:  
Concrete pad shown typical for all cleanouts.



**3 COTG ACCESS BOX**  
NO SCALE

DESIGN BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-8</b>		
			POST MILE X			DETAILS	
DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Jerry Marcotte</i>	UNIT 3616	PROJECT NUMBER & PHASE 0712000272	REVISION DATES (PRELIMINARY STAGE ONLY)				
QUANTITIES BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	6/28/12	7/3/12	9/28/12	1/4/13	SHEET OF
DOES SD Imperial Rev. 1/07	EA 1W5201						ss_8.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5704		41	41

*Jerry Marcotte* 1/4/13  
 REGISTERED CIVIL ENGINEER DATE

J. Marcotte  
 No. C36844  
 Exp. 06-30-14  
 CIVIL  
 STATE OF CALIFORNIA

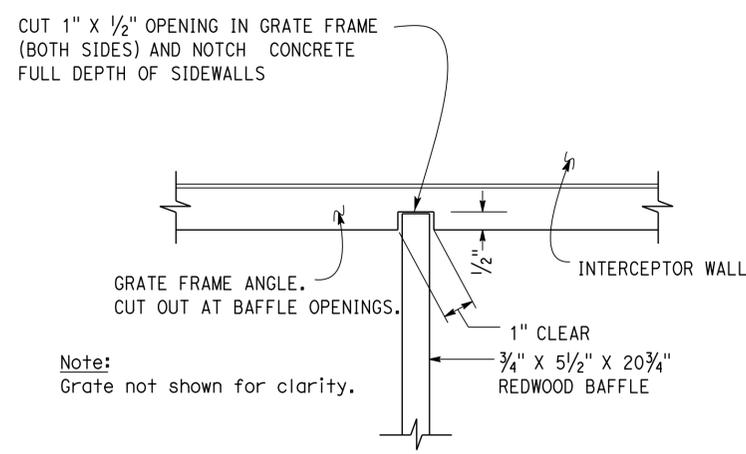
4-29-13  
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

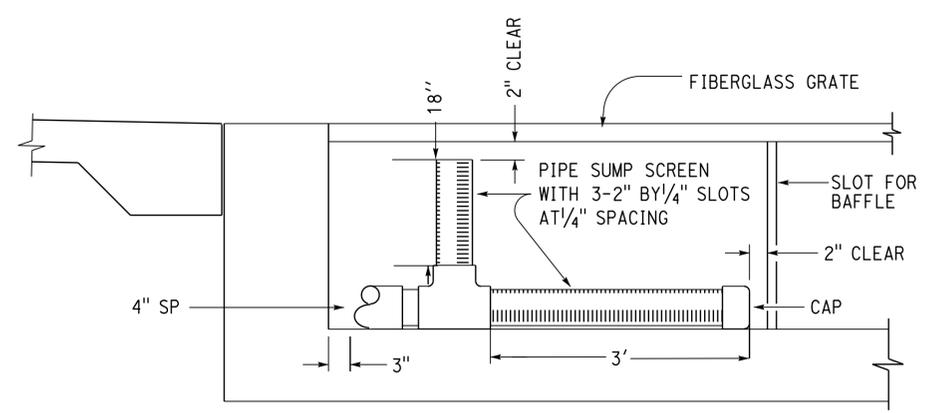
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Reviewed by *Polly Parenti*  
POLLY PARENTI  
Approval date: 10-15-12

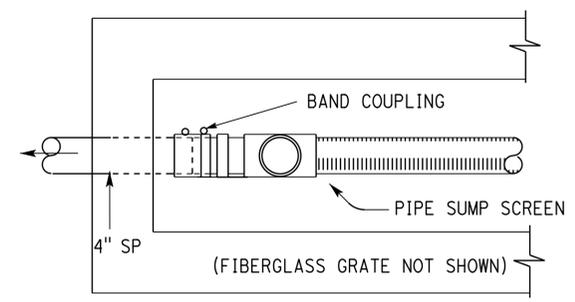


**C BAFFLE SECTION**  
NO SCALE

Note:  
Grate not shown for clarity.



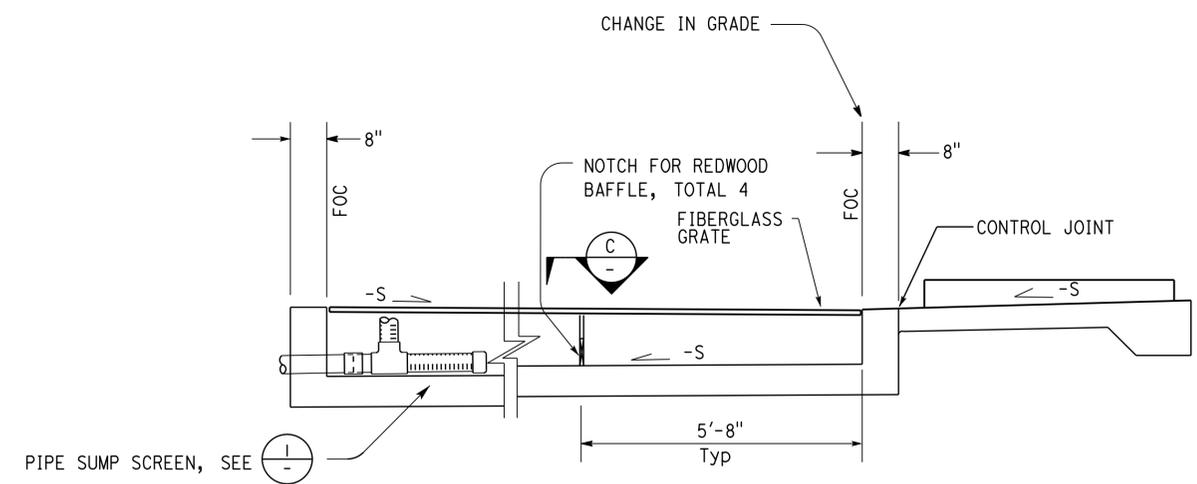
**ELEVATION**



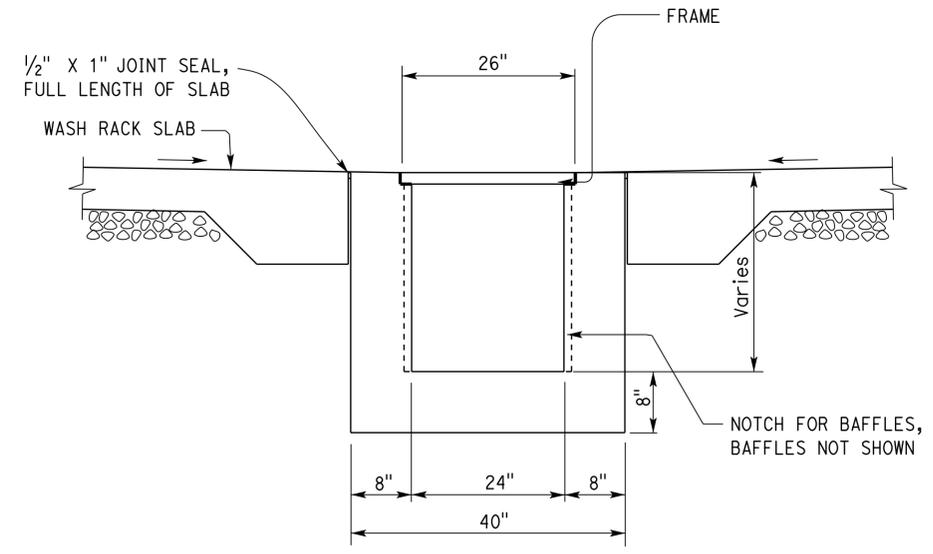
**PLAN**



**1 PIPE SUMP SCREEN**  
NO SCALE



**A INTERCEPTOR LONGITUDINAL SECTION**  
NO SCALE



**B INTERCEPTOR TRANSVERSE SECTION**  
NO SCALE

DESIGN NOTES

1. Redwood shall be clear heart grade
2. Intermediate baffles shall be spaced at 5'-8" on centers

DESIGN BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53M5704	<b>CENTRAL BANDINI WASHRACK</b>	SHEET <b>SS-9</b>	
			POST MILE X			INTERCEPTOR PLAN
			UNIT 3616 PROJECT NUMBER & PHASE 0712000272			
DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Jerry Marcotte</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	6/28/12   7/3/12   9/28/12   12/7/12   1/4/13	SHEET OF		
QUANTITIES BY <i>Kosha Shah</i> CHECKED <i>Jerry Marcotte</i>	EA 1W5201				25-MAR-2014 11:34 ss_9.dgn	