

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-6	CONSTRUCTION DETAILS
7	SUMMARY OF QUANTITIES
8-13	REVISED STANDARD PLANS

BUILDING PLANS

14-17	GENERAL PLANS AND BUILDING DATA
18-56	ARCHITECTURAL PLANS
57-81	STRUCTURAL PLANS
82-111	MECHANICAL PLANS
112-163	ELECTRICAL PLANS
164-187	WASTEWATER PLANS

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

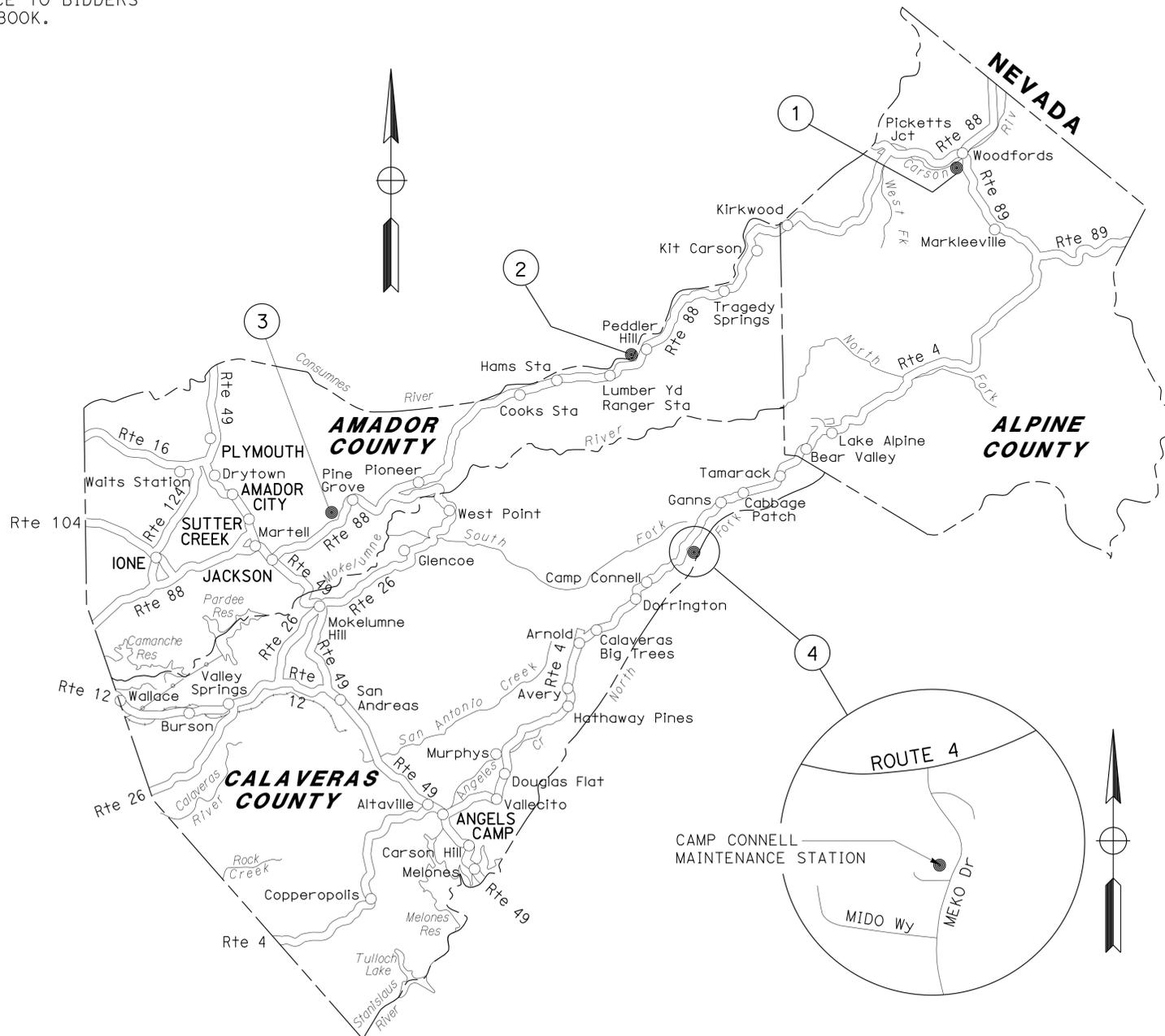
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR BUILDING CONSTRUCTION ON
STATE HIGHWAY
IN ALPINE, AMADOR AND CALAVERAS COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

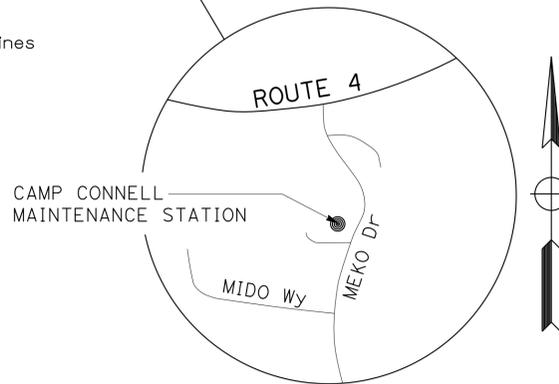
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4, 88	Var	1	187

LOCATION MAP



LOCATIONS OF CONSTRUCTION

Loc	Co	Rte	PM	STRUCTURE NAME	LOCATION CODE
①	Alp	88	18.9	WOODFORDS MAINTENANCE STATION	5725
②	Ama	88	54.0	PEDDLER HILL MAINTENANCE STATION	5729
③	Ama	88	22.9	PINE GROVE MAINTENANCE STATION	5718
④	Cal	4	49.6	CAMP CONNELL MAINTENANCE STATION	5726



NO SCALE

PROJECT MANAGER
ALVIN MANGINDIN

DESIGN ENGINEER
ALVIN MANGINDIN

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

JOSE A. ALICEA II
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

1/22/13
DATE

July 22, 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.



CONTRACT No.	10-0X2104
PROJECT ID	1012000181

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE

FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 CALCULATED/DESIGNED BY: JOSE A. ALICEA II
 CHECKED BY: RHODEL DECLARO
 REVISIONS: JAA, 01/23/13

NOTES:

- DIMENSIONS OF PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

- CONCRETE SLAB
- ROADWAY EXCAVATION HMA (TYPE A) AB

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	2	187

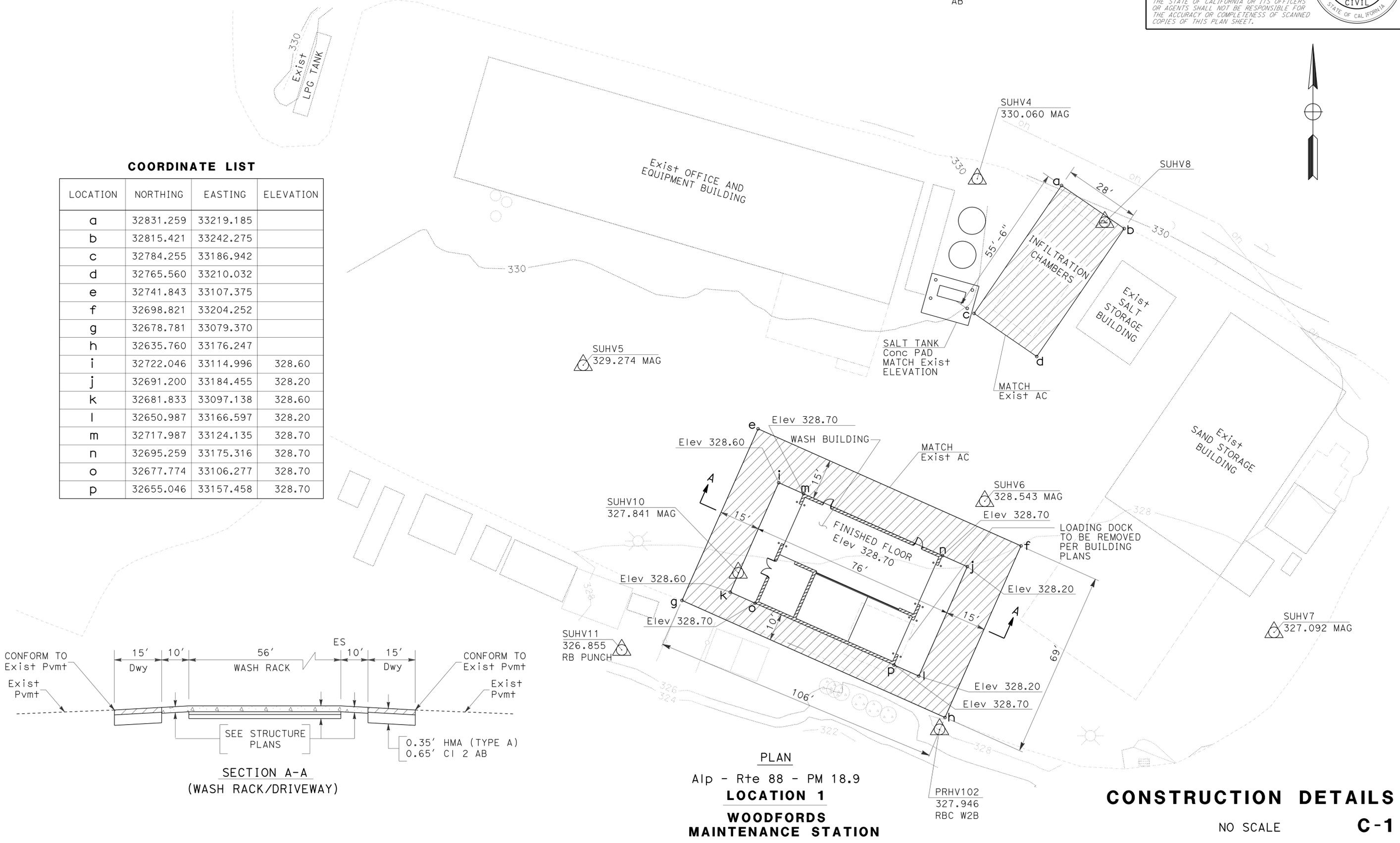
REGISTERED CIVIL ENGINEER: JOSE A. ALICEA II
 No. 64817
 Exp. 6/30/15
 CIVIL

DATE: 1/22/13
 DATE: 7-22-13
 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.

COORDINATE LIST

LOCATION	NORTHING	EASTING	ELEVATION
a	32831.259	33219.185	
b	32815.421	33242.275	
c	32784.255	33186.942	
d	32765.560	33210.032	
e	32741.843	33107.375	
f	32698.821	33204.252	
g	32678.781	33079.370	
h	32635.760	33176.247	
i	32722.046	33114.996	328.60
j	32691.200	33184.455	328.20
k	32681.833	33097.138	328.60
l	32650.987	33166.597	328.20
m	32717.987	33124.135	328.70
n	32695.259	33175.316	328.70
o	32677.774	33106.277	328.70
p	32655.046	33157.458	328.70



SECTION A-A
(WASH RACK/DRIVEWAY)

PLAN
 Alp - Rte 88 - PM 18.9
LOCATION 1
WOODFORDS MAINTENANCE STATION

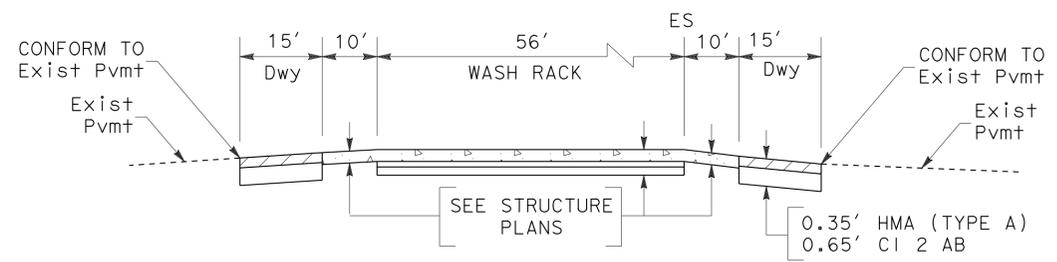
CONSTRUCTION DETAILS
 NO SCALE
C-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	3	187

JAAlicea II
 REGISTERED CIVIL ENGINEER
 No. 64817
 Exp. 6/30/15
 CIVIL

1/22/13
 DATE
 7-22-13
 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.

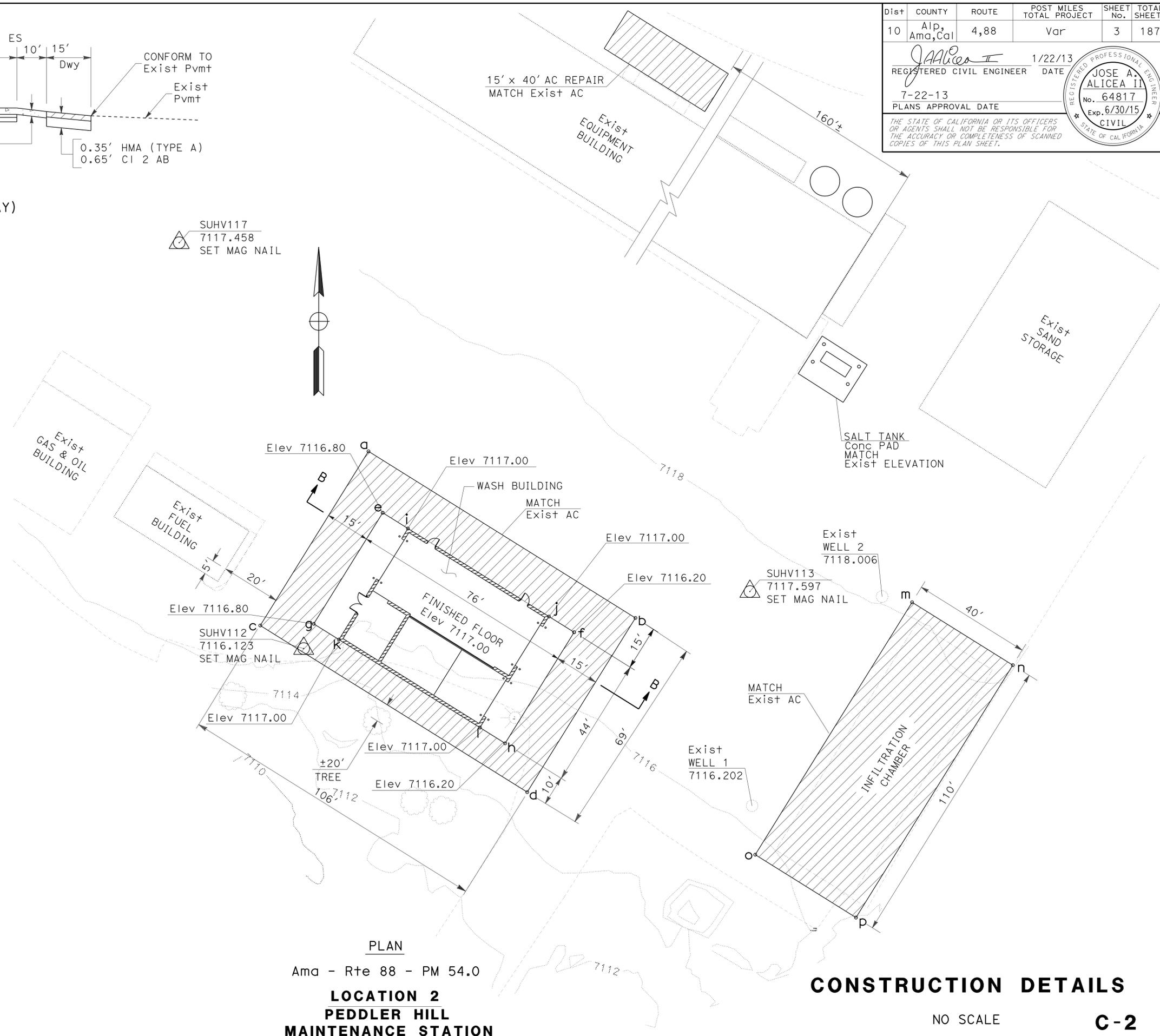


**SECTION B-B
(WASH RACK/DRIVEWAY)**

SUHV117
7117.458
SET MAG NAIL

COORDINATE LIST

LOCATION	NORTHING	EASTING	ELEVATION
a	1979001.728	7060635.863	
b	1978945.695	7060725.842	
c	1978943.157	7060599.388	
d	1978887.123	7060689.367	
e	1978981.066	7060640.666	7116.80
f	1978940.891	7060705.180	7116.20
g	1978943.716	7060617.407	7116.80
h	1978903.541	7060681.921	7116.20
i	1978975.780	7060649.155	7117.00
j	1978946.177	7060696.691	7117.00
k	1978938.430	7060625.896	7117.00
l	1978908.827	7060673.432	7117.00
m	1978950.969	7060819.090	
n	1978929.825	7060853.044	
o	1978866.083	7060766.228	
p	1978844.938	7060800.183	



PLAN
Ama - Rte 88 - PM 54.0
LOCATION 2
PEDDLER HILL
MAINTENANCE STATION

CONSTRUCTION DETAILS
NO SCALE
C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE
 FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 DESIGNED BY: RHODEL DE CLARO
 CHECKED BY:
 REVISIONS: 12/28/12
 REVISIONS: 7/2/2010

USERNAME => s109858
 DGN FILE => a0x210ga002.dgn

RELATIVE BORDER SCALE
 1" = 15' IN INCHES

UNIT 2593

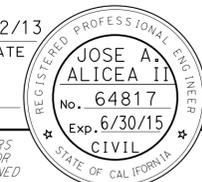
PROJECT NUMBER & PHASE

10120001811

LAST REVISION: 00-00-00
 DATE PLOTTED => 23-SEP-2013
 TIME PLOTTED => 10:45

FUNCTIONAL SUPERVISOR	ALVIN MANGINDIN
CALCULATED/DESIGNED BY	CHECKED BY
JOSE A ALICEA II	RHODEL DE CLARO
REVISED BY	DATE REVISED
JAA	01/23/13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	4	187

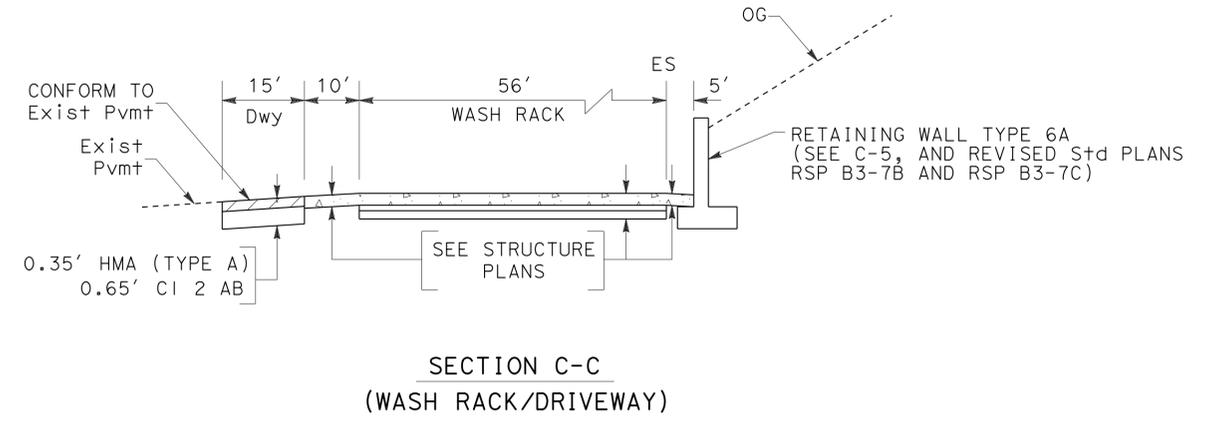
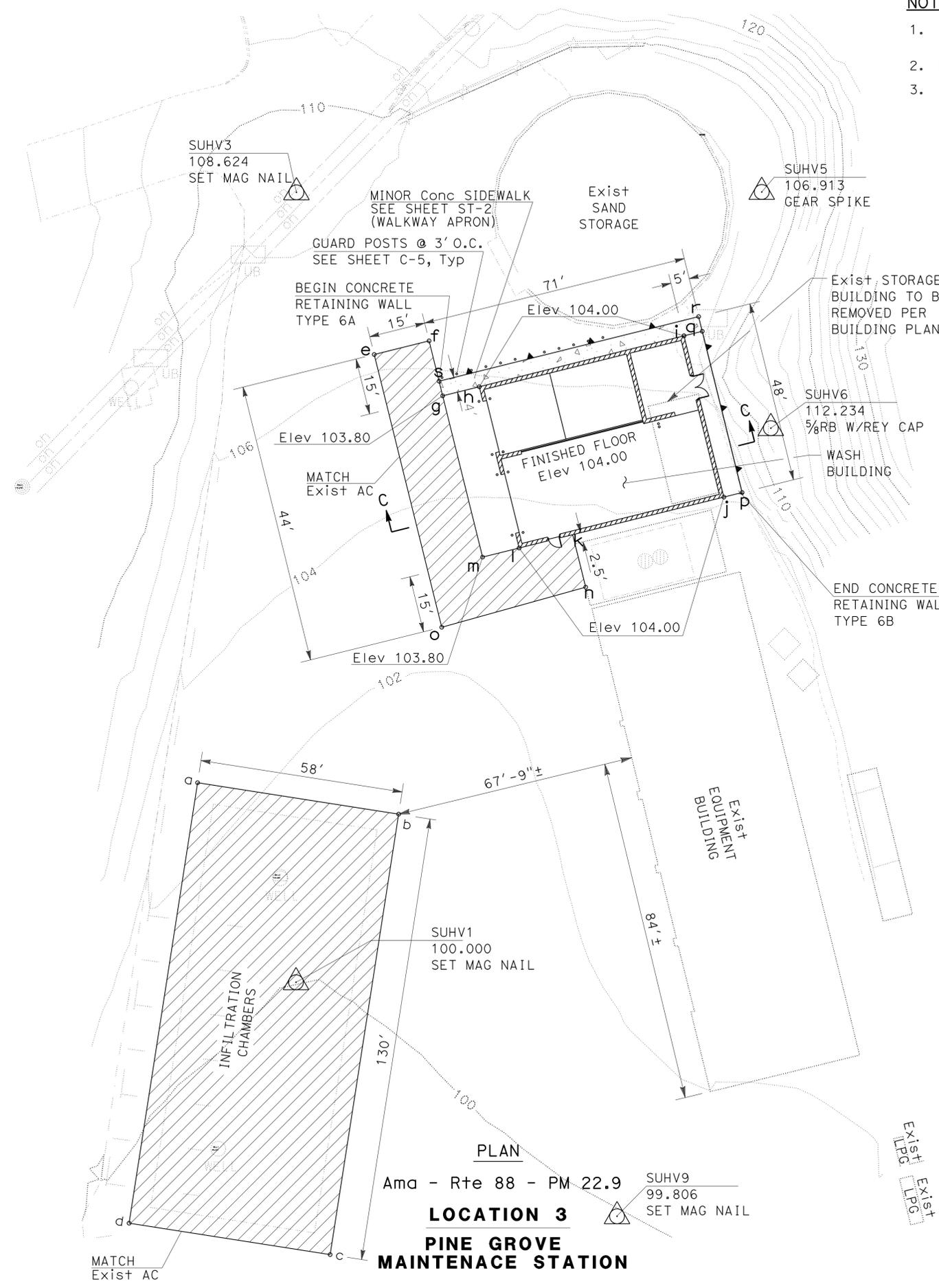

 REGISTERED CIVIL ENGINEER DATE 1/22/13
 7-22-13
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES (THIS SHEET ONLY):

- FOR RETAINING WALL (TYPE 6A) SEE REVISED STANDARD PLANS RSP B3-7B AND RSP B3-7C).
- MASONRY UNITS SHALL BE 8" x 8"x 16" IN SIZE.
- ELEVATION VARIES SEE C-5.

COORDINATE LIST

LOCATION	NORTHING	EASTING	ELEVATION
a	1962104.052	6356825.581	
b	1962085.456	6356876.473	
c	1961965.944	6356799.137	
d	1961957.008	6356856.444	
e	1962217.453	6356872.476	
f	1962221.064	6356887.034	
g	1962206.505	6356890.646	103.80
h	1962208.913	6356900.352	104.00
i	1962222.396	6356954.704	104.00
j	1962179.690	6356965.298	104.00
k	1962169.736	6356925.168	
l	1962166.207	6356910.945	104.00
m	1962163.800	6356901.240	103.80
n	1962155.839	6356928.616	
o	1962145.217	6356890.394	
p	1962180.894	6356970.151	
q	1962223.600	6356959.557	
r	1962227.482	6356958.594	
s	1962210.388	6356889.683	



CONSTRUCTION DETAILS

NO SCALE **C-3**

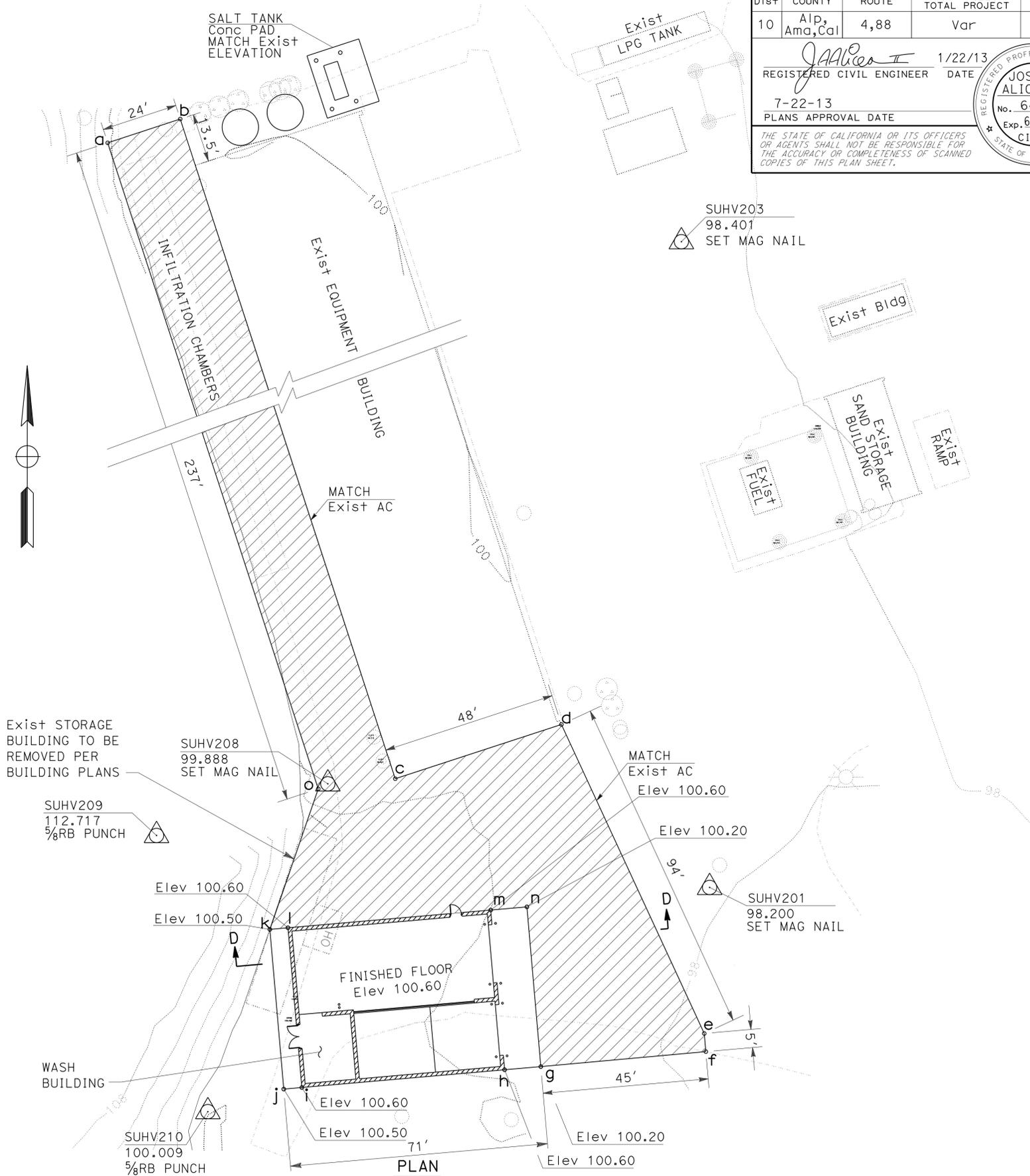
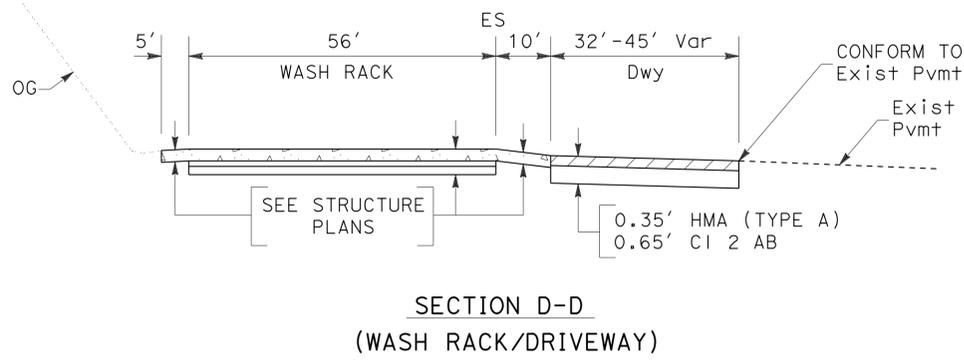
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 JOSE A ALICEA II
 RHODEL DE CLARO
 JAA
 01/24/13
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	5	187

REGISTERED CIVIL ENGINEER: JOSE A. ALICEA II
 No. 64817
 Exp. 6/30/15
 CIVIL
 DATE: 1/22/13
 PLANS APPROVAL DATE: 7-22-13
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.

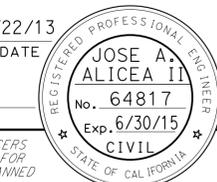
COORDINATE LIST

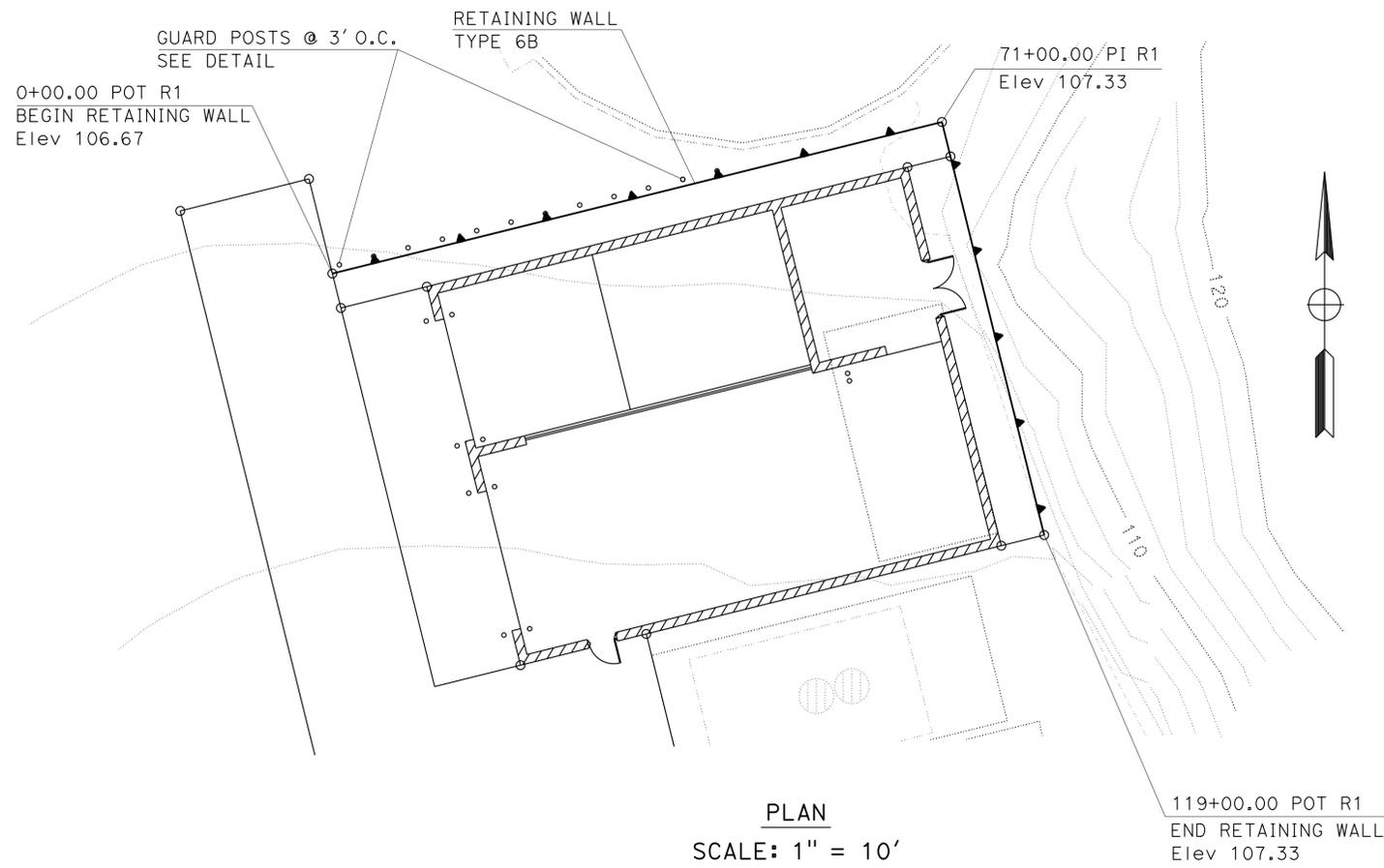
LOCATION	NORTHING	EASTING	ELEVATION
a	9635.170	9761.966	
b	9406.566	9836.670	
c	9414.021	9859.483	
d	9428.909	9905.203	
e	9344.105	9944.511	
f	9339.126	9944.945	
g	9335.017	9899.537	100.20
h	9334.148	9889.575	100.60
i	9329.281	9833.787	100.60
j	9328.846	9828.806	100.50
k	9372.680	9824.982	100.50
l	9373.114	9829.963	100.60
m	9377.981	9885.751	100.60
n	9378.850	9895.713	100.20
o	9411.244	9838.298	



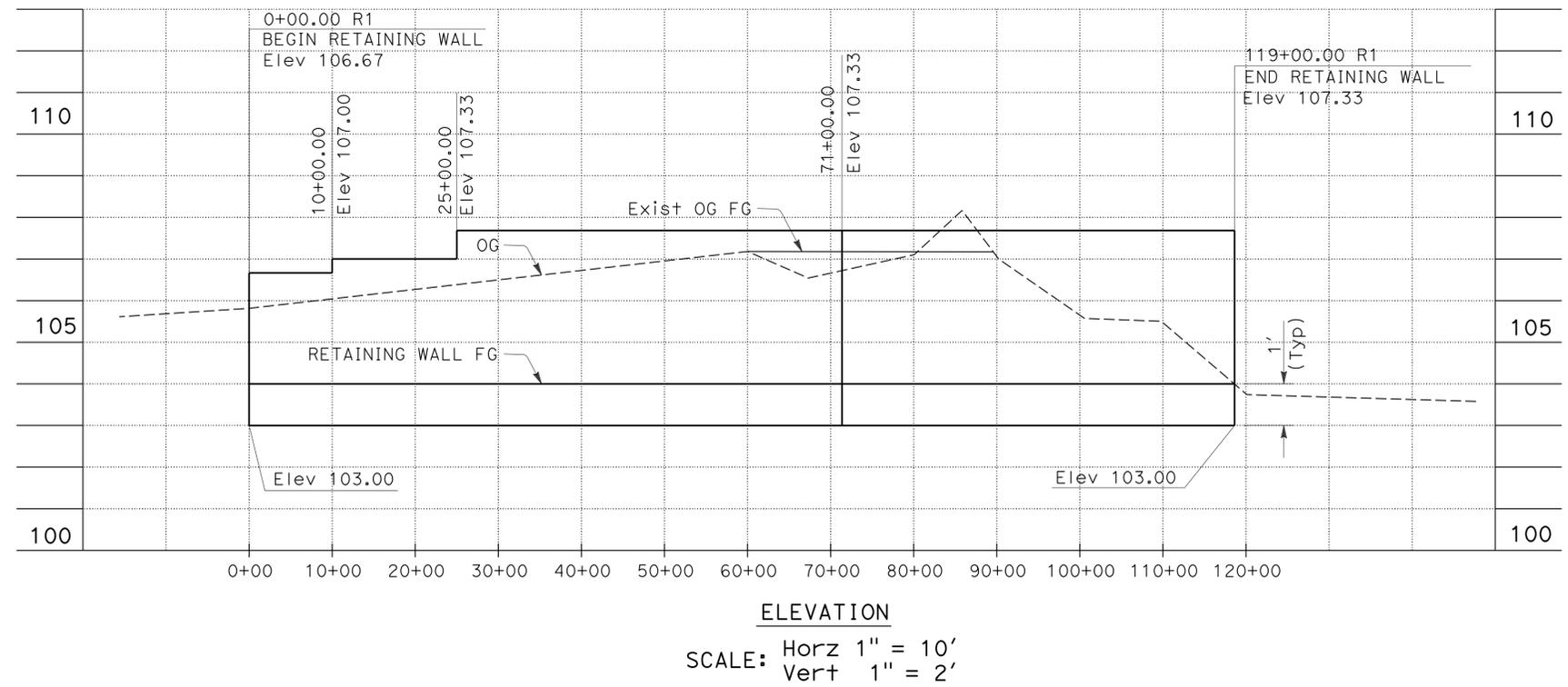
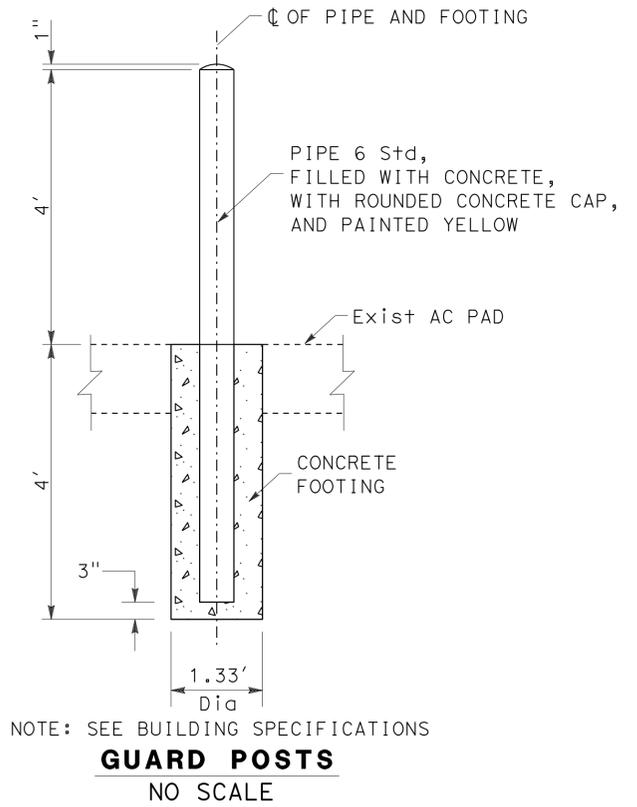
Cal - Rte 4 - PM 49.6
LOCATION 4
CAMP CONNELL
MAINTENANCE STATION

CONSTRUCTION DETAILS
 NO SCALE
C-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	6	187
			1/22/13		
REGISTERED CIVIL ENGINEER			DATE		
7-22-13			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
					



- NOTES (THIS SHEET ONLY):**
- FOR RETAINING WALL (TYPE 6A) SEE REVISED STANDARD PLANS RSP B3-7B AND RSP B3-7C.
 - MASONRY UNITS SHALL BE 8" x 8" x 16" IN SIZE.
 - ELEVATION VARIES, SEE CONSTRUCTION DETAILS.



RETAINING WALL
PINE GROVE
MAINTENANCE STATION

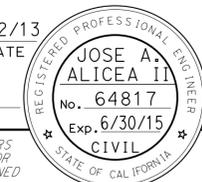
CONSTRUCTION DETAILS

SCALE AS SHOWN **C-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE
 Et Caltrans
 FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 JOSE A ALICEA II
 RHODEL DE CLARO
 REVISOR: JAA
 DATE: 01/24/13
 CALCULATED/DESIGNED BY: [Blank]
 CHECKED BY: [Blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	7	187

 1/22/13
 REGISTERED CIVIL ENGINEER DATE
 7-22-13
 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.

ROADWAY ITEMS

LOCATION	DESCRIPTION	ROADWAY EXCAVATION	CLASS 2 AGGREGATE BASE	MINOR CONCRETE (SIDEWALK)	HOT MIX ASPHALT (TYPE A)	TACK COAT
		CY				TON
1	WASHRACK HMA APRON	148	96		105	0.2
1	INFILTRATION CHAMBER	60	39		42	0.1
2	WASHRACK HMA APRON	55	36		39	0.1
2	INFILTRATION CHAMBER	163	106		116	0.2
2	AC REPAIR BEHIND EQUIPMENT BUILDING	23	15		16	0.1
3	WASHRACK HMA APRON	295	96		105	0.2
3	INFILTRATION CHAMBER	280	182		198	0.3
3	WASHRACK SIDEWALK	43		4		
4	WASHRACK HMA APRON	383	249		272	0.1
TOTAL		1450	819	4	893	1.6

**RETAINING WALL ITEMS
 Loc 3 (PINE GROVE Maint STATION)**

STATION	STRUCTURE EXCAVATION (RETAINING WALL)	STRUCTURE CONCRETE (RETAINING WALL)	BAR REINFORCING STEEL (RETAINING WALL)	RETAINING WALL STEM (TYPE 6)	GUARD POST
	CY		LB	SQFT	EA
0+00 TO 10+00	5	2	160	34	3
10+00 TO 25+00	9	3	282	60	9
25+00 TO 119+00	66	14	2064	439	
TOTAL	80	19	2506	533	12

**SUMMARY OF QUANTITIES
 Q-1**

	M	
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	
	N	
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	
	O	
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	
	P	
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	

	P continued	
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	
	Q	
Qty	QUANTITY	
	R	
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	

	S	
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	
	T	
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	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	
	U	
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	
	V	
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	
	W	
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	
	X	
X Sec	CROSS SECTION	
Xing	CROSSING	
	Y	
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	8	187

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 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.

TO ACCOMPANY PLANS DATED 7-22-13

UNIT OF MEASUREMENT SYMBOLS:

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

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:

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 ³ , 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

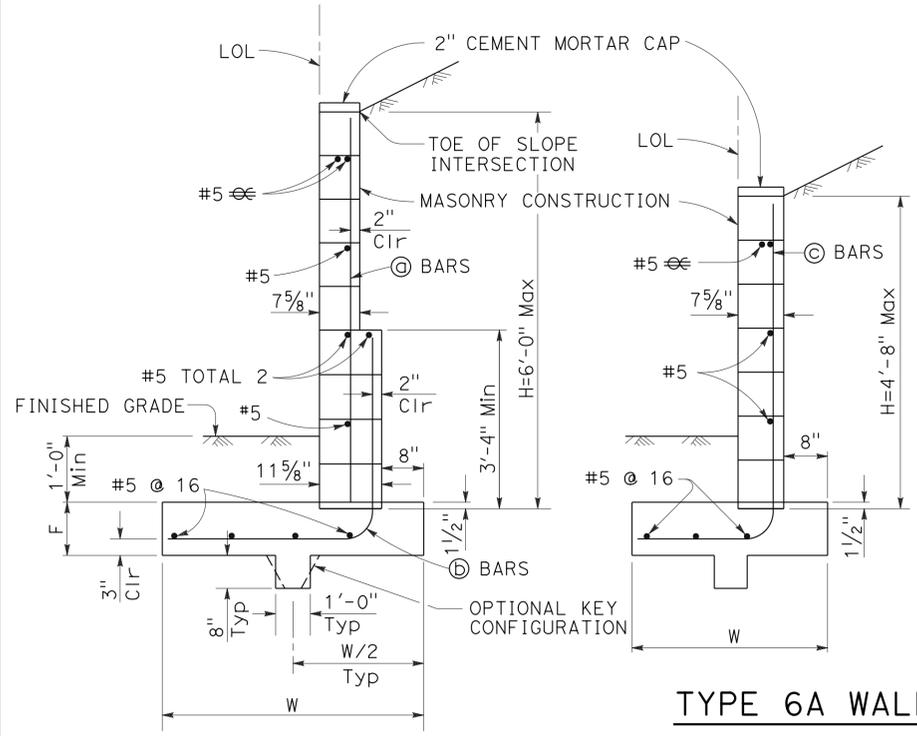
**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

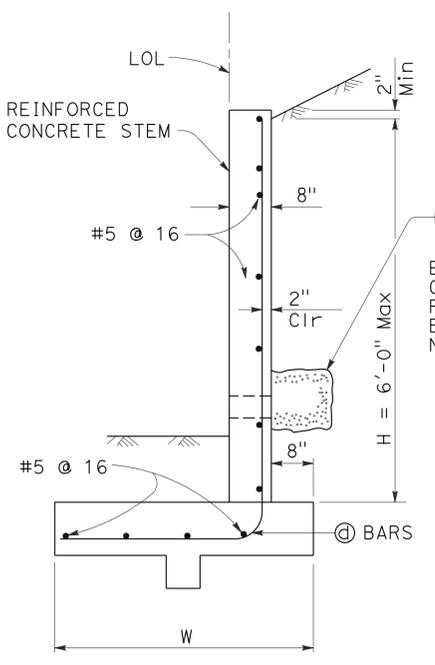
RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP B3-7B



TYPE 6A WALL



BO-3
 3-1
 EXCEPT CONTINUOUS PERVIOUS BACKFILL NOT REQUIRED

NOTES:

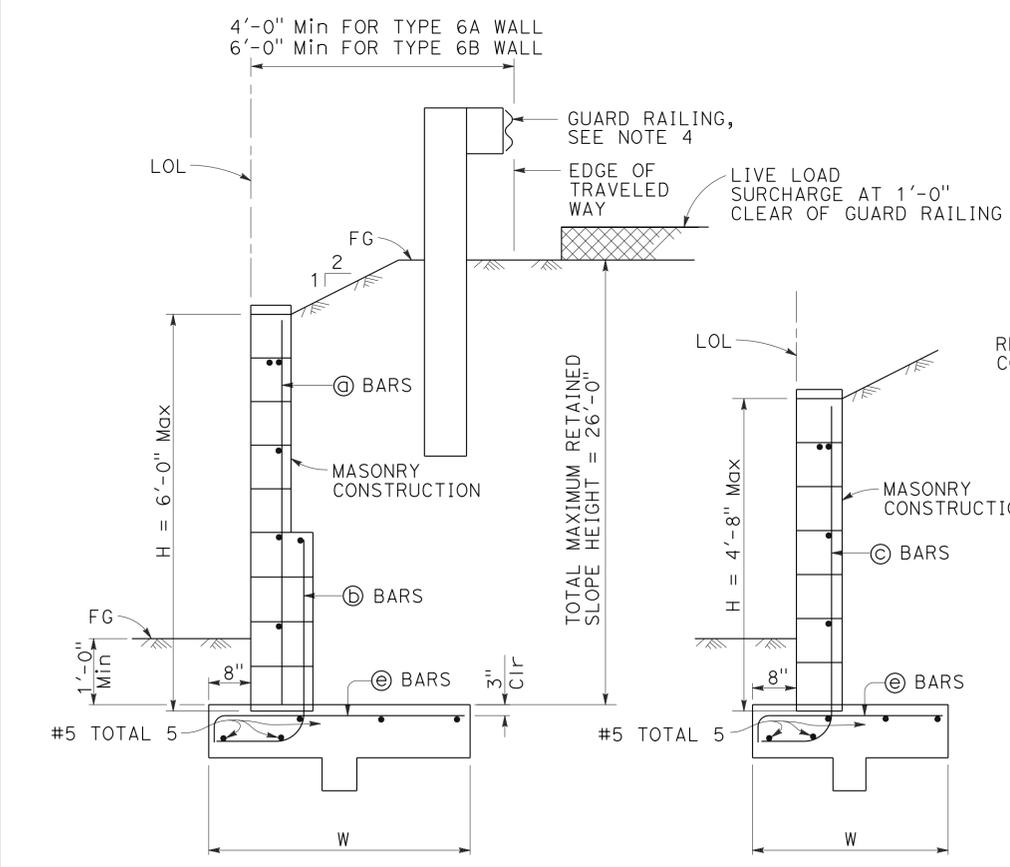
- For details not shown at "6B", see "6A", similarly, for details not shown at "6A", see "6B".
- Design loading for both Type "6A" and "6B" is as shown at "6B".
- Type 6 retaining wall shall be limited to use for walls of Design H of 6'-0" or less.
- Where traffic is adjacent to the top of wall, guard railing should be set back from the top front face of wall at least 4'-0" or 6'-0", dependent on wall type.
- For reinforced concrete wall stem joint details, see BO-3 3-3 and BO-3 3-4.
- No splices are allowed on @, @, @, and @ bars.
- See "Retaining Wall Type 6 Details" sheet for Elevation View and Footing Step Details.

SYMBOLS:

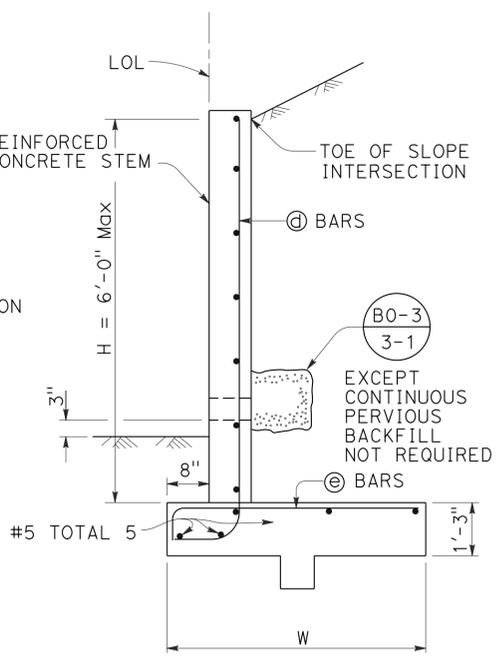
- Ser - service limit state 1
- Str - strength limit state 1
- Ext - extreme event limit state I
- B' - effective footing width (ft)
- q_o - net bearing stress (ksf), OG assumed to be FG at toe
- q_o - gross uniform bearing stress (ksf)

DESIGN NOTES:

- TO ACCOMPANY PLANS DATED 7-22-13
- DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments
- Building Code Requirements for Masonry Structures (TMS 402-08/ACI 530-08/ASCE 5-08)
- LS: 240 psf surcharge on level ground surface as limited by Guard Railing location
- SEISMIC: k_H = 0.2
k_V = 0.0
- SOIL: φ = 34°
γ = 120 pcf
- REINFORCED CONCRETE: f'_c = 3,600 psi
f_y = 60,000 psi
- REINFORCED MASONRY: f_m' = 1,500 psi
f_y = 60,000 psi
- LOAD COMBINATIONS AND LIMIT STATES:
 Service I Q = 1.00DC+1.00EV+1.00EH+1.00LS
 Strength I Q = αDC+βEV+ηEH+1.75LS
 Extreme I Q = 1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE
- Where:
 Q: Force Effects
 α: 1.25 or 0.90, Whichever Controls Design
 β: 1.35 or 1.00, Whichever Controls Design
 η: 1.50 or 0.90, Whichever Controls Design
 DC: Dead Load of Structure Components
 EH: Horizontal Earth Fill Pressure
 EV: Vertical Earth Pressure from Earth Fill Weight
 LS: Live Load Surcharge
 EQE: Seismic Earth Pressure
 EQD: Soil and Structural and Nonstructural Components Inertia



TYPE 6B WALL



BO-3
 3-1
 EXCEPT CONTINUOUS PERVIOUS BACKFILL NOT REQUIRED

TYPE 6A WALL - TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA

DESIGN H	3'-4"	4'-0"	4'-8"	5'-4"	6'-0"
W	3'-8"	4'-1"	4'-8"	5'-3"	6'-9"
F	1'-0"	1'-0"	1'-2"	1'-3"	1'-4"
@ BARS	NONE	NONE	NONE	#5 @ 16"	#5 @ 16"
@ BARS	NONE	NONE	NONE	#5 @ 16"	#5 @ 16"
@ BARS	#5 @ 16	#5 @ 16	#5 @ 16	NONE	NONE
@ BARS	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16	#6 @ 16
Ser: B', q _o	3.4, 0.3	3.8, 0.3	4.3, 0.3	4.9, 0.4	6.0, 0.4
Str: B', q _o	3.3, 0.7	3.6, 0.7	4.1, 0.8	4.7, 0.8	5.7, 0.9
Ext: B', q _o	1.3, 1.9	1.4, 2.0	1.7, 2.1	1.9, 2.2	3.9, 1.4

TYPE 6B WALL - TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA

DESIGN H	3'-4"	4'-0"	4'-8"	5'-4"	6'-0"
W	4'-6"	5'-1"	5'-7"	6'-2"	6'-9"
@ BARS	NONE	NONE	NONE	#5 @ 16"	#5 @ 16"
@ BARS	NONE	NONE	NONE	#5 @ 16"	#5 @ 16"
@ BARS	#5 @ 16	#5 @ 16	#5 @ 16	NONE	NONE
@ BARS	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16	#6 @ 16
@ BARS	#5 @ 16	#5 @ 16	#6 @ 16	#6 @ 16	#7 @ 16
Ser: B', q _o	3.3, 0.6	3.7, 0.8	4.0, 0.9	4.5, 1.0	4.1, 1.4
Str: B', q _o	1.9, 1.4	2.3, 1.6	2.5, 1.8	2.8, 1.9	1.8, 3.6
Ext: B', q _o	1.5, 2.8	1.8, 3.1	1.9, 3.6	2.1, 3.8	2.4, 3.9

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
RETAINING WALL TYPE 6 (CASE 2)
 NO SCALE

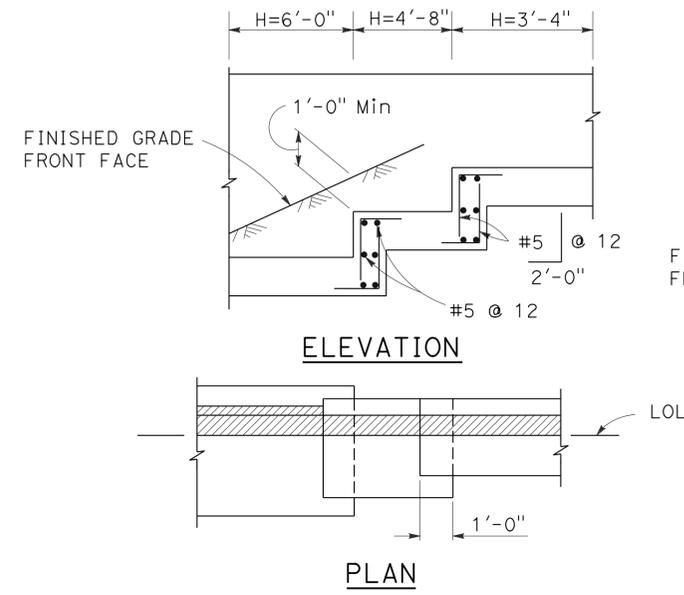
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	10	187

Gary Wang
 REGISTERED CIVIL ENGINEER

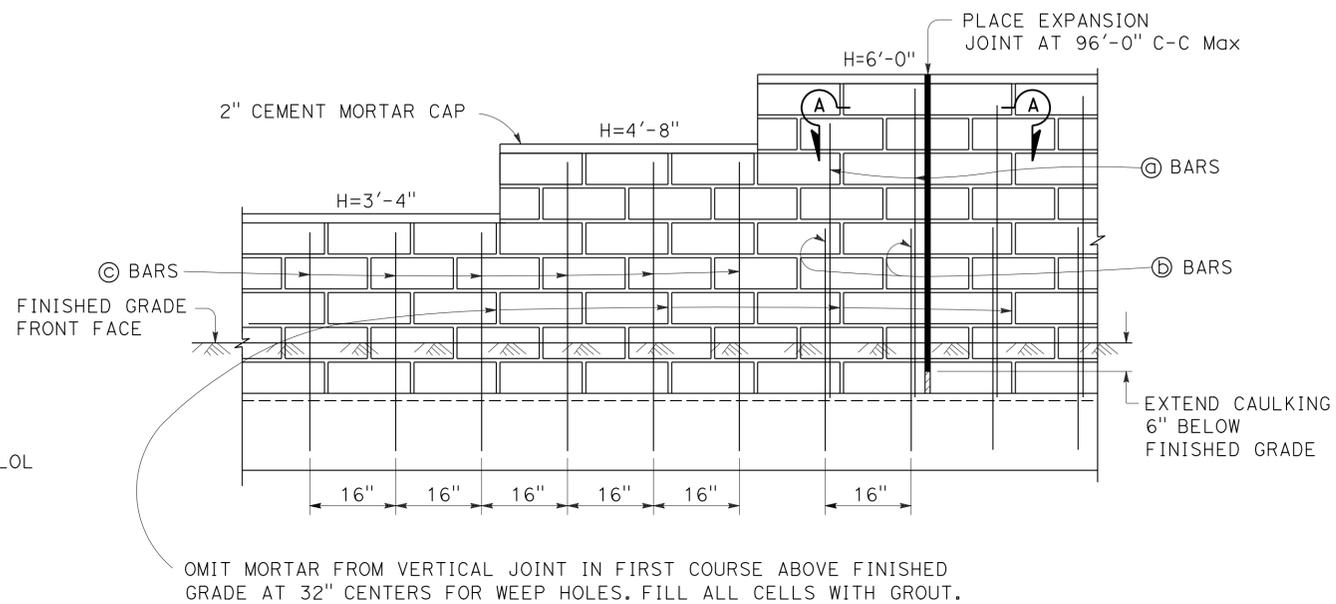
April 20, 2012
 PLANS APPROVAL DATE

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

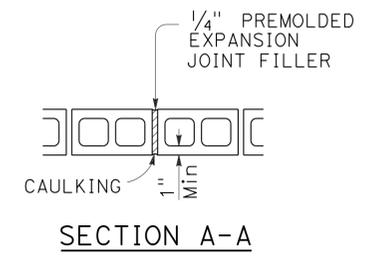
TO ACCOMPANY PLANS DATED 7-22-13



FOOTING STEP DETAILS



ELEVATION - MASONRY CONSTRUCTION



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
RETAINING WALL TYPE 6 DETAILS
 NO SCALE

RSP B3-7C DATED APRIL 20, 2012 SUPPLEMENTS THE
 STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP B3-7C

2010 REVISED STANDARD PLAN RSP B3-7C

LEGEND:

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

MISCELLANEOUS ELECTROLIERS

<u>NEW</u>	<u>EXISTING</u>	
		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

<u>NEW</u>	<u>EXISTING</u>	<u>STANDARD TYPE</u>
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

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
Ω	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
μ	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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	11	187

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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

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

TO ACCOMPANY PLANS DATED 7-22-13

2010 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alb, Ama, Cal	4,88	Var	12	187

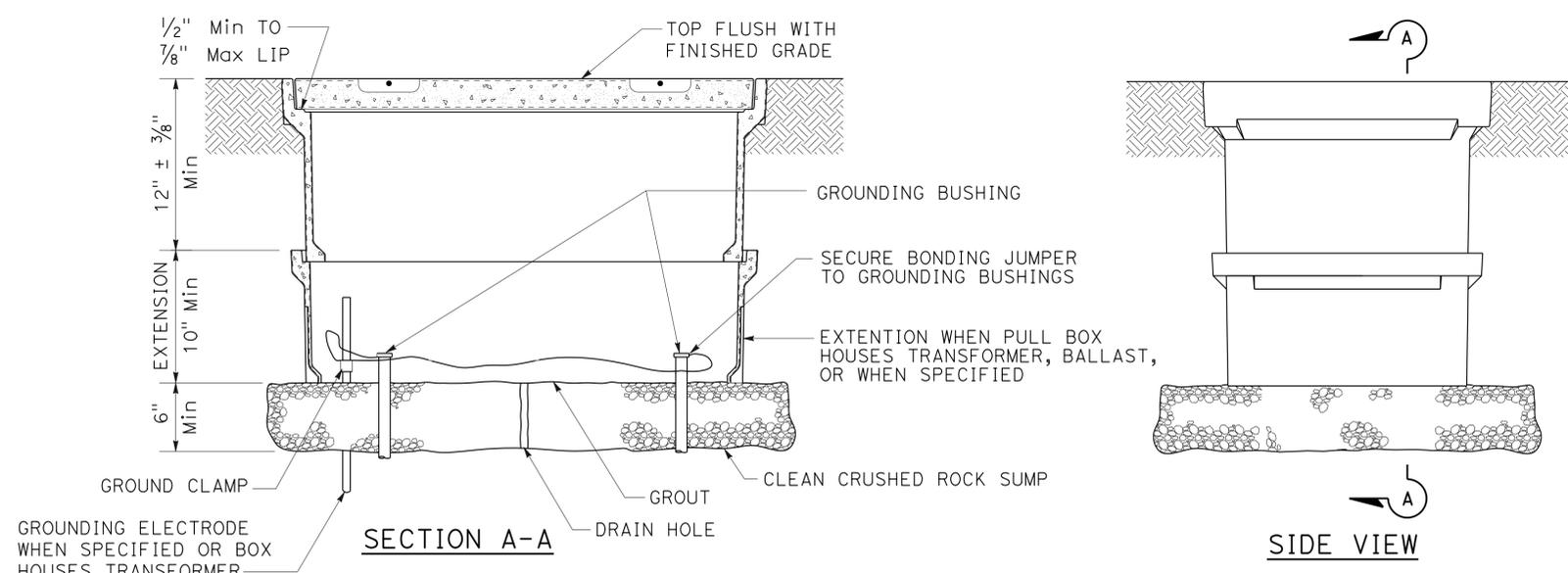
Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

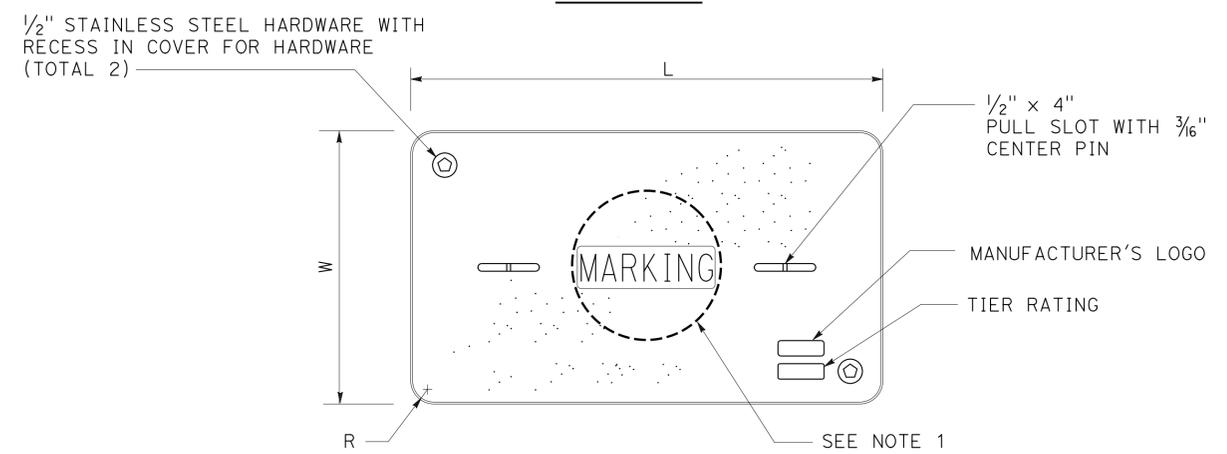
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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

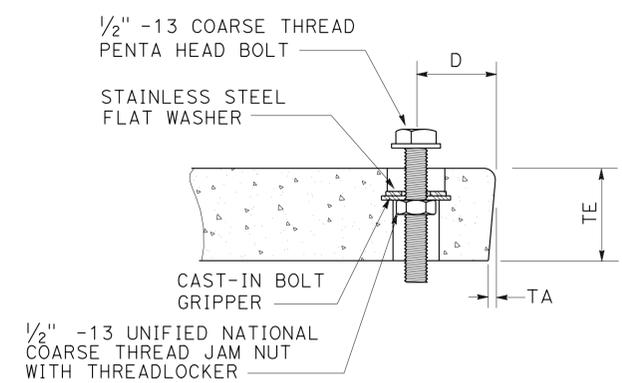
TO ACCOMPANY PLANS DATED 7-22-13



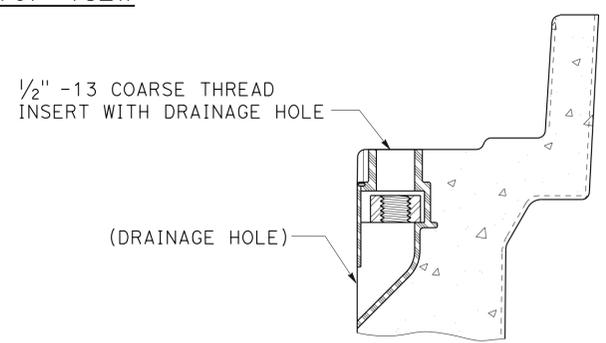
INSTALLATION DETAILS
DETAIL A



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

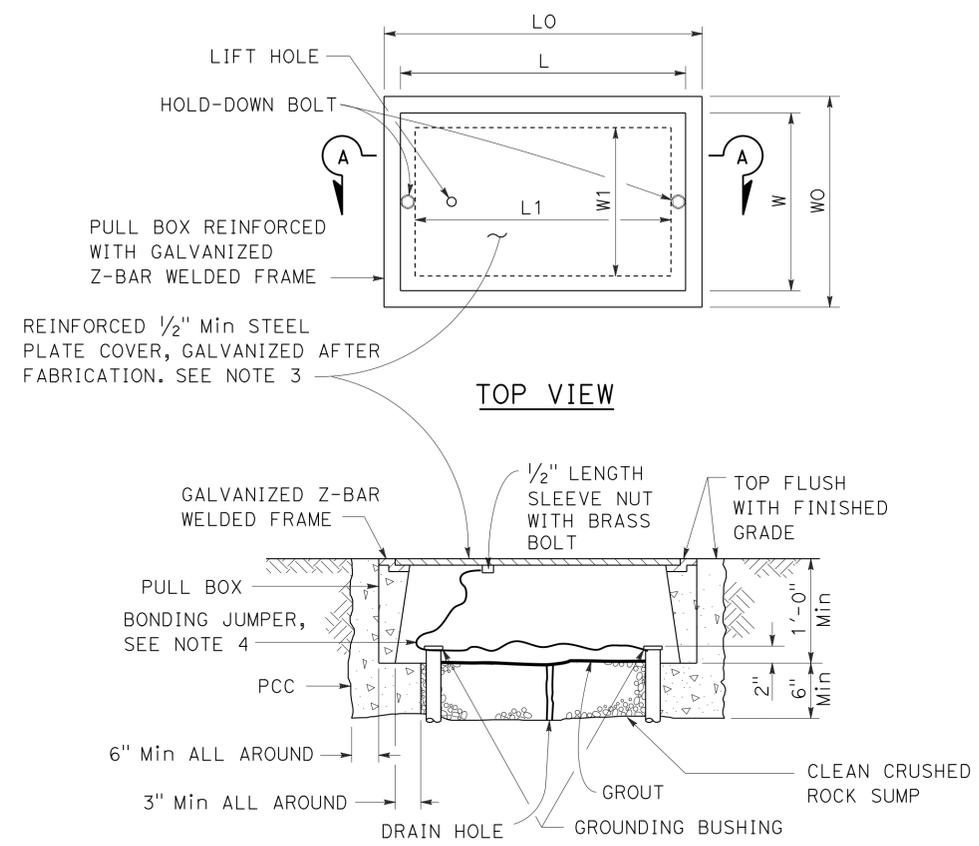
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	13	187

Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE

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

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

TO ACCOMPANY PLANS DATED 7-22-13



SECTION A-A
**No. 3 1/2(T), No. 5(T) AND
 No. 6(T) TRAFFIC PULL BOX**

NOTES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- 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(T) 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(T) or 6(T) 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.
 - "COMMUNICATION" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communications 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.
- Bonding jumper for metal covers shall be 3' long, minimum.
- 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".

DIMENSION TABLE											
PULL BOX	PULL BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	W0	L0	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5"± 1"	1'-8 7/8"±	1'-2 1/2"±	10 5/8"± 1"	1'-8"±	1'-1 3/4"±	0"	1/2"	NONE
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2"± 1"	2'-5 1/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	1/2"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11 1/2"±	1'-11 1/2"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	1/2"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

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

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

2010 REVISED STANDARD PLAN RSP ES-8B

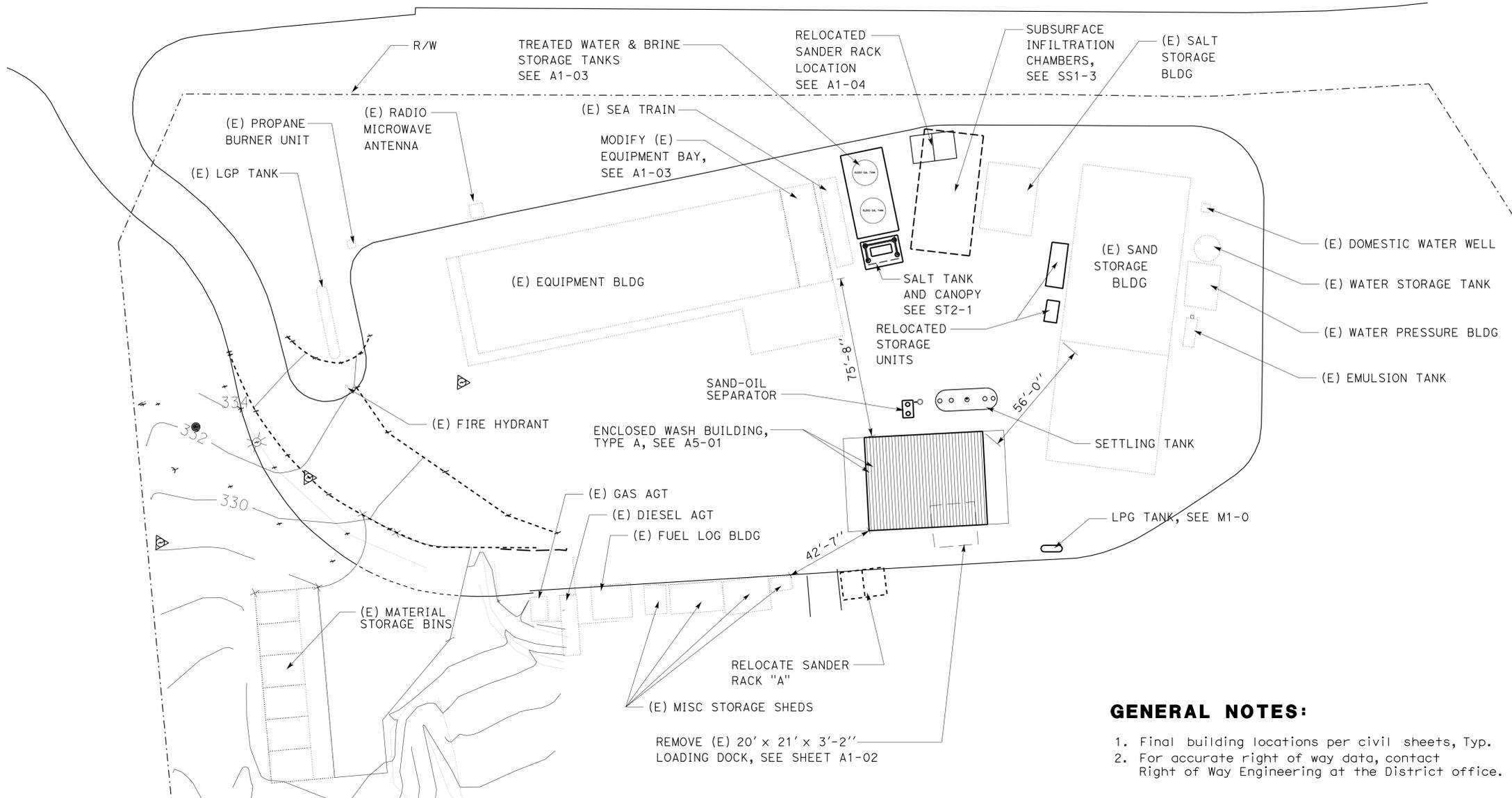
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	14	187

LICENSED ARCHITECT
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

11/16/2012 DATE
 7-22-13 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.

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
1012000181
 Reviewed by: *[Signature]*
 Y. A. WANG
 Date: 04-11-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
 INGRID P. ICASIANO
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



- GENERAL NOTES:**
- Final building locations per civil sheets, Typ.
 - For accurate right of way data, contact Right of Way Engineering at the District office.

WOODFORDS MAINTENANCE STATION

Scope of Work: Construct new enclosed Wash Building and Sump Pit; add new LPG tank for new Wash Building; modify existing wash bay in Equipment Building for new Wash Water Filtering and Brine Mixing Control Panel; add new Brine Mixing Hopper and Canopy; add two (2) 10,000 gallon treated water and brine storage tanks for Brine generating system.

BUILDING DATA

DESIGN CRITERIA

This project has been designed to conform to the following codes:

- 2010 Title 24 California Building Code
- 2010 California Mechanical Code
- 2010 California Electrical Code
- 2010 California Fire Code
- 2010 California Energy Code
- 1991 ADA Standards

WOODFORDS MS SITE PLAN
SCALE: 1" = 30'-0"

	OCCUPANCY	OCCUPANT LOAD	AREA (SF)	ALLOWABLE AREA (SF)	AREA INCREASE	BUILDING HEIGHT (FT)	NO. STORIES	HEIGHT INCREASE	TYPE OF CONSTRUCTION	FIRE SPRINKLERED	FIRE ALARM	SMOKE CONTROL	OTHER FIRE PROTECTION SYSTEM
Wash Building and Sump	B	8	2,464	9,000	NO	27'-5" (40'-0" ALLOW)	1	NO	TYPE V-B	NO	NO	NO	NO
(E) Equipment Building	S-2	26	8,022	13,500	NO	19'-6" (40'-0" ALLOW)	1	NO	TYPE V-B	NO	NO	NO	NO

RE Travin
 DESIGN SUPERVISOR
Donald E. Alsey
 DESIGN ARCHITECT

DESIGNER: Anthony Manansala
 CHECKED BY: Donald Alsey
 DRAWN BY: Anthony Manansala
 STRUCTURAL REVIEW: Donald Alsey

SHEET LEGEND
 A-I ARCHITECTURAL ST-I STRUCTURAL
 M-I MECHANICAL EE-I ELECTRICAL
 SS-I SANITARY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5725
 POST MILE

DISTRICT 10 WASH RACKS PHASE 2
 WOODFORDS M.S.
GENERAL PLAN, BUILDING DATA
 SHEET **GP-1** OF

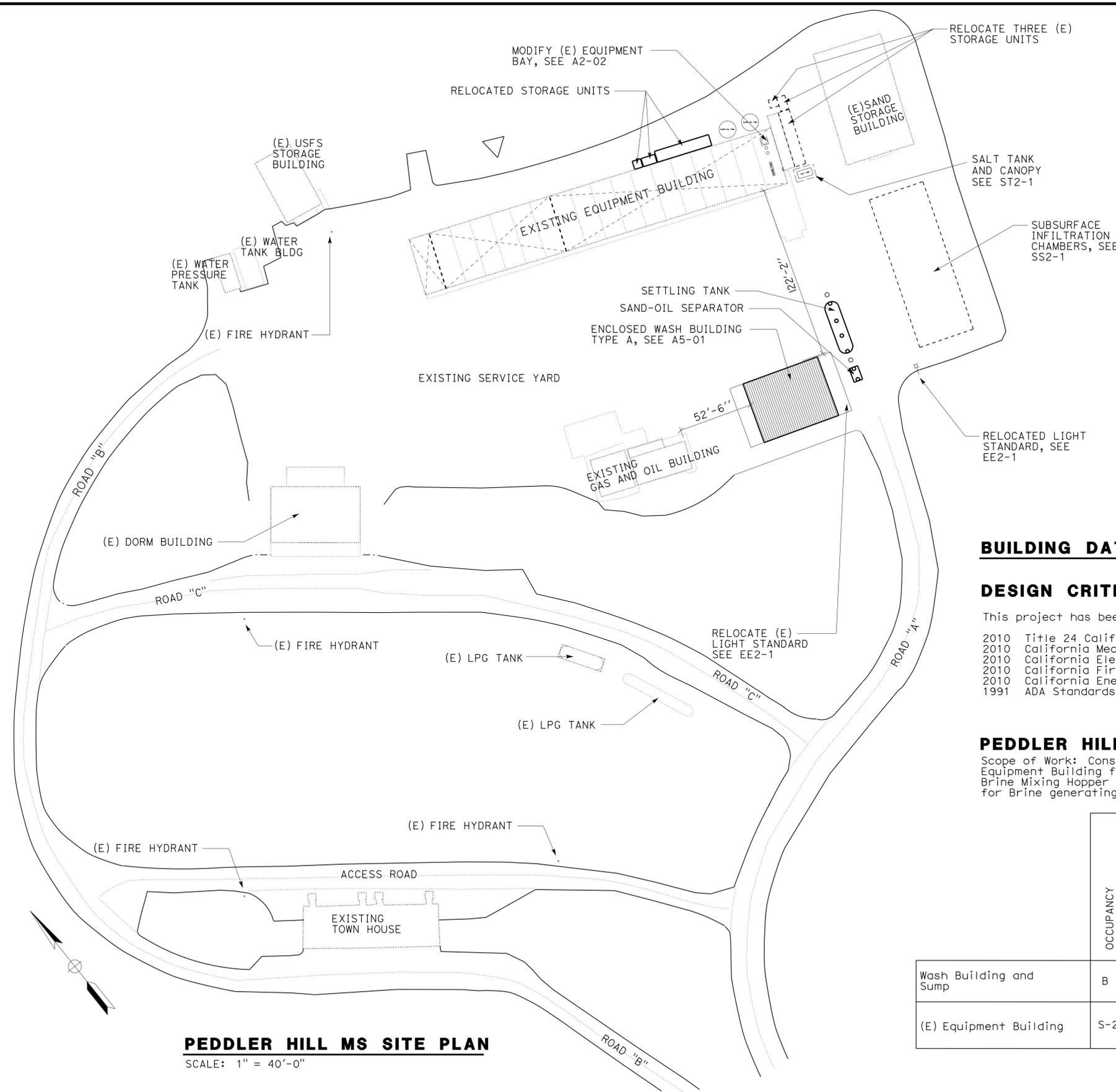
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	15	187

LICENSED ARCHITECT
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

11/16/2012 DATE
 7-22-13 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.

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: **1012000181**
 Reviewed by: Y. A. WANG
 Date: 04-11-13

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: INGRID P. CASTANO
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



GENERAL NOTES:

1. Final building locations per civil sheets, Typ.
2. For accurate right of way data, contact Right of Way Engineering at the District office.

BUILDING DATA

DESIGN CRITERIA

This project has been designed to conform to the following codes:

- 2010 Title 24 California Building Code
- 2010 California Mechanical Code
- 2010 California Electrical Code
- 2010 California Fire Code
- 2010 California Energy Code
- 1991 ADA Standards

PEDDLER HILL MAINTENANCE STATION

Scope of Work: Construct new enclosed Wash Building and Sump Pit; modify existing wash bay in Equipment Building for new Wash Water Filtering and Brine Mixing Control Panel; add new Brine Mixing Hopper and Canopy; add two (2) 10,000 gallon treated water and brine storage tanks for Brine generating system.

	OCCUPANCY	OCCUPANT LOAD	AREA (SF)	ALLOWABLE AREA (SF)	AREA INCREASE	BUILDING HEIGHT (FT)	NO. STORIES	HEIGHT INCREASE	TYPE OF CONSTRUCTION	FIRE SPRINKLERED	FIRE ALARM	SMOKE CONTROL	OTHER FIRE PROTECTION SYSTEM
Wash Building and Sump	B	8	2,464	9,000	NO	27'-5" (40'-0" ALLOW)	1	NO	TYPE V-B	NO	NO	NO	NO
(E) Equipment Building	S-2	36	10,938	13,500	NO	19'-6" (40'-0" ALLOW)	1	NO	TYPE V-B	NO	NO	NO	NO

PEDDLER HILL MS SITE PLAN
SCALE: 1" = 40'-0"

RE Travis DESIGN SUPERVISOR Donald E. Alsey DESIGN ARCHITECT	DESIGNER: Anthony Manansala DRAWN BY: Anthony Manansala	CHECKED BY: Donald Alsey STRUCTURAL REVIEW: Donald Alsey	SHEET LEGEND A-1 ARCHITECTURAL M-1 MECHANICAL ST-1 STRUCTURAL EE-1 ELECTRICAL SS-1 SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5729 POST MILE	DISTRICT 10 WASH RACKS PHASE 2 PEDDLER HILL M.S.	GENERAL PLAN, BUILDING DATA	SHEET OF GP-2
A-GP2_Peddler_Hill.dgn TAEMWW Imperial Rev. 7/10		01-OCT-2013 05:54	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES 04-13-12	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X		

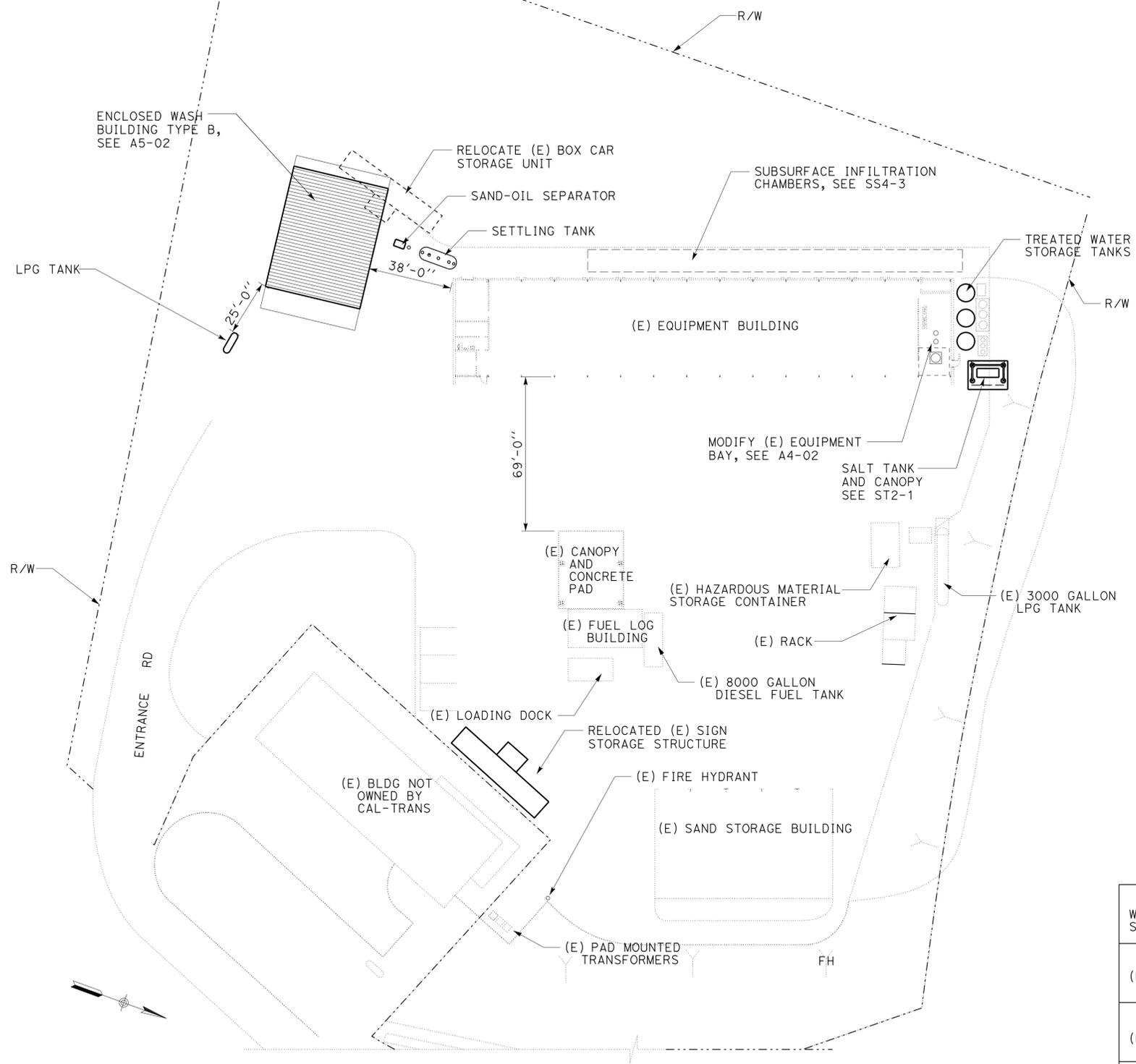
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	17	187

LICENSED ARCHITECT
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

11/16/2012
 DATE

7-22-13
 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.



GENERAL NOTES:

- Final building locations per civil sheets, Typ.
- For accurate right of way data, contact Right of Way Engineering at the District office.

BUILDING DATA

DESIGN CRITERIA

This project has been designed to conform to the following codes:

- 2010 Title 24 California Building Code
- 2010 California Mechanical Code
- 2010 California Electrical Code
- 2010 California Fire Code
- 2010 California Energy Code
- 1991 ADA Standards

CAMP CONNELL MAINTENANCE STATION

Scope of Work: Construct new enclosed Wash Building and Sump Pit; add new LPG tank for new Wash Building; modify existing wash bay in Equipment Building for new Wash Water Filtering and Brine Mixing Control Panel; add new Brine Mixing Hopper and Canopy; add three (3) 10,000 gallon treated water and brine storage tanks for Brine generating system.

	OCCUPANCY	OCCUPANT LOAD	AREA (SF)	ALLOWABLE AREA (SF)	AREA INCREASE	BUILDING HEIGHT (FT)	NO. STORIES	HEIGHT INCREASE	TYPE OF CONSTRUCTION	FIRE SPRINKLERED	FIRE ALARM	SMOKE CONTROL	OTHER FIRE PROTECTION SYSTEM
Wash Building and Sump	B	8	2,464	9,000	NO	27'-5" (40'-0" Allow)	1	NO	TYPE V-B	NO	NO	NO	NO
(E) Equipment Bldg	S-2	33	10,074	13,500	NO	19'-6" (40'-0" Allow)	1	NO	TYPE II-B	NO	NO	NO	NO
(E) Fuel Log Bldg	B	5	584	9,000	NO	12'-0" (40'-0" Allow)	1	NO	TYPE V-B	NO	NO	NO	NO
(E) Salt / Sand Storage Bldg	S-1	3	971	13,500	NO	22'-0" (40'-0" Allow)	1	NO	TYPE V-B	NO	NO	NO	NO

CAMP CONNELL MS SITE PLAN
 SCALE: 1" = 30'-0"

RE Travis DESIGN SUPERVISOR Donald E. Alsey DESIGN ARCHITECT	DESIGNER: Anthony Manansala DRAWN BY: Anthony Manansala	CHECKED BY: Donald Alsey STRUCTURAL REVIEW: Donald Alsey	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5726 POST MILE	DISTRICT 10 WASH RACKS PHASE 2 CAMP CONNELL M.S.	GENERAL PLAN, BUILDING DATA	SHEET OF GP-4
A-GP4_Camp_Connell.dgn TAEMWW Imperial Rev. 7/10		27-SEP-2013 16:59	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES EA 0X2101	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12	SHEET OF X X	A-GP4_Camp_Connell.dgn	

SHEET INDEX

ARCHITECTURAL

- GP-1 WOODFORDS M.S., GENERAL PLAN, BUILDING DATA
- GP-2 PEDDLER HILL M.S., GENERAL PLAN, BUILDING DATA
- GP-3 PINE GROVE M.S., GENERAL PLAN, BUILDING DATA
- GP-4 CAMP CONNELL M.S. GENERAL PLAN, BUILDING DATA

- A0-1 SHEET INDEX
- A0-2 ARCHITECTURAL ABBREVIATIONS, SYMBOLS
- A0-3.1 ACCESSIBILITY, ACCESSIBILITY STANDARD DETAILS
- A0-3.2 ACCESSIBILITY, ACCESSIBILITY STANDARD DETAILS
- A0-3.3 ACCESSIBILITY, ACCESSIBILITY STANDARD DETAILS
- A0-3.4 ACCESSIBILITY, ACCESSIBILITY STANDARD DETAILS
- A0-3.5 ACCESSIBILITY, ACCESSIBILITY STANDARD DETAILS

- A1-01 WOODFORDS M.S., SITE REMOVAL PLAN
- A1-02 WOODFORDS M.S., LOADING DOCK REMOVAL PLAN, ELEVATIONS
- A1-03 WOODFORDS M.S., EQUIPMENT BAY PLAN
- A1-04 WOODFORDS M.S., SANDER RACK PLAN, ELEVATIONS

- A2-01 PEDDLER HILL M.S., SITE REMOVAL PLAN
- A2-02 PEDDLER HILL M.S., EQUIPMENT BAY PLAN

- A3-01 PINE GROVE M.S., SITE REMOVAL PLAN
- A3-02 PINE GROVE M.S., STORAGE BUILDING REMOVAL PLAN
- A3-03 PINE GROVE M.S., STORAGE BUILDING REMOVAL ELEVATIONS

- A4-01 CAMP CONNELL M.S., SITE REMOVAL PLAN
- A4-02 CAMP CONNELL M.S., EQUIPMENT BAY PLAN

- A5-01 WASH BUILDING TYPE A; PLAN
- A5-02 WASH BUILDING TYPE B; PLAN
- A5-03 WASH BUILDING TYPE A, B; ROOF PLAN
- A5-04 WASH BUILDING TYPE A, B; REFLECTED CEILING PLAN
- A5-05 WASH BUILDING TYPE A, B; EXTERIOR ELEVATION 1
- A5-06 WASH BUILDING TYPE A, B; EXTERIOR ELEVATION 2
- A5-07 WASH BUILDING TYPE A; EXTERIOR ELEVATION 3A
- A5-08 WASH BUILDING TYPE B; EXTERIOR ELEVATION 3B
- A5-09 WASH BUILDING TYPE A; EXTERIOR ELEVATION 4A
- A5-10 WASH BUILDING TYPE B; EXTERIOR ELEVATION 4B
- A5-11 WASH BUILDING TYPE A; SECTION A
- A5-12 WASH BUILDING TYPE B; SECTION E
- A5-13 WASH BUILDING TYPE A, B; SECTION B
- A5-14 WASH BUILDING TYPE A; SECTION C
- A5-15 WASH BUILDING TYPE B; SECTION F
- A5-16 WASH BUILDING TYPE A, B; SECTION D
- A5-17 WASH BUILDING TYPE A, B; DOOR SCHEDULE
- A5-18 WASH BUILDING TYPE A, B; FINISH SCHEDULE
- A5-19 WASH BUILDING TYPE A, B; DETAILS
- A5-20 WASH BUILDING TYPE A, B; DETAILS
- A5-21 WASH BUILDING TYPE A, B; DETAILS

STRUCTURAL

- ST-0 DESIGN CRITERIA AND DETAIL NOTES
- ST-1 LEGEND
- ST-2 CONCRETE STANDARD
- ST-3 CONCRETE MASONRY UNIT STANDARD

- ST1-1 WASH BUILDING - FOUNDATION PLAN
- ST1-2 WASH BUILDING - ROOF FRAMING PLAN
- ST1-3 WASH BUILDING - TRANSVERSE SECTION
- ST1-4 WASH BUILDING - LONGITUDINAL SECTION
- ST1-5 WASH BUILDING - ELEVATION
- ST1-6 WASH BUILDING - FOUNDATION DETAILS
- ST1-7 WASH BUILDING - WALL DETAILS 1
- ST1-8 WASH BUILDING - WALL DETAILS 2
- ST1-9 WASH BUILDING - MISCELLANEOUS DETAILS 1
- ST1-10 WASH BUILDING - MISCELLANEOUS DETAILS 2
- ST1-11 WASH BUILDING - OPEN WEB STEEL JOIST

- ST2-1 CANOPY - FOUNDATION AND ROOF PLAN
- ST2-2 CANOPY - SECTIONS
- ST2-3 CANOPY - FOUNDATION DETAILS
- ST2-4 CANOPY - FRAMING DETAILS
- ST2-5 WALL FRAMING DETAILS

- ST3-1 TANK SLAB - FOUNDATION PLAN AND DETAIL

- LOTB-1 LOG OF TEST BORINGS - WOODFORDS M.S.
- LOTB-2 LOG OF TEST BORINGS - PEDDLER HILL M.S.
- LOTB-3 LOG OF TEST BORINGS - PINE GROVE M.S.
- LOTB-3 LOG OF TEST BORINGS - CAMP CONNELL

MECHANICAL

- M0-0 ABBREVIATIONS AND LEGENDS
- M0-1 WOODFORDS M.S. PEDDLER HILL M.S. - TITLE 24
- M0-2 PINE GROVE M.S. CAMP CONNELL M.S. - TITLE 24

- M1-0 WOODFORDS M.S. - SITE PLAN
- M1-1 WOODFORDS M.S. - HYDRONIC HEATING TUBING LAYOUT
- M1-2 WOODFORDS M.S. - EXHAUST FAN & HYDRONIC HEAT DISTRIBUTION PIPING
- M1-3 WOODFORDS M.S. - BOILER SCHEMATIC
- M1-4 WOODFORDS M.S. - RADIANT HEATING PLAN
- M1-5 WOODFORDS M.S. - WATER DISTRIBUTION PLAN
- M1-6 WOODFORDS M.S. - WATER ISOMETRIC

- M2-0 PEDDLER HILL M.S. - SITE PLAN
- M2-1 PEDDLER HILL M.S. - HYDRONIC HEATING TUBING LAYOUT
- M2-2 PEDDLER HILL M.S. - EXHAUST FAN & HYDRONIC HEAT DISTRIBUTION PIPING
- M2-3 PEDDLER HILL M.S. - BOILER SCHEMATIC
- M2-4 PEDDLER HILL M.S. - RADIANT HEATING PLAN
- M2-5 PEDDLER HILL M.S. - WATER DISTRIBUTION PLAN
- M2-6 PEDDLER HILL M.S. - WATER ISOMETRIC

- M3-0 PINE GROVE M.S. - SITE PLAN
- M3-1 PINE GROVE M.S. - HEATING AND VENTILATION PLAN
- M3-2 PINE GROVE M.S. - WATER DISTRIBUTION PLAN
- M3-3 PINE GROVE M.S. - WATER ISOMETRIC

- M4-0 CAMP CONNELL M.S. - SITE PLAN
- M4-1 CAMP CONNELL M.S. - HYDRONIC HEATING TUBING LAYOUT
- M4-2 CAMP CONNELL M.S. - EXHAUST FAN & HYDRONIC HEAT DISTRIBUTION PIPING
- M4-3 CAMP CONNELL M.S. - BOILER SCHEMATIC
- M4-4 CAMP CONNELL M.S. - RADIANT HEATING PLAN
- M4-5 CAMP CONNELL M.S. - WATER DISTRIBUTION PLAN
- M4-6 CAMP CONNELL M.S. - WATER ISOMETRIC

- M5-1 HYDRONIC HEATING DETAILS
- M5-2 MECHANICAL DETAILS

ELECTRICAL

- EE0-0 LEGEND
- EE0-1 NOTES AND ABBREVIATIONS

- EE1-0.1 WOODFORDS M.S. - OUTDOOR COMPLIANCE FORM 1
- EE1-0.2 WOODFORDS M.S. - OUTDOOR COMPLIANCE FORM 2
- EE1-0.3 WOODFORDS M.S. - INDOOR COMPLIANCE FORM 1
- EE1-0.4 WOODFORDS M.S. - INDOOR COMPLIANCE FORM 2
- EE1-0.5 WOODFORDS M.S. - INDOOR COMPLIANCE FORM 3
- EE1-1 WOODFORDS M.S. - SITE PLAN
- EE1-2 WOODFORDS M.S. - POWER PLAN
- EE1-3 WOODFORDS M.S. - LIGHTING PLAN
- EE1-4 WOODFORDS M.S. - HYDRONIC HEATING SENSORS PLAN
- EE1-5 WOODFORDS M.S. - BRINE GENERATING STATION PLAN
- EE1-6 WOODFORDS M.S. - PANEL SCHEDULES

- EE2-0.1 PEDDLER HILL M.S. - OUTDOOR COMPLIANCE FORM 1
- EE2-0.2 PEDDLER HILL M.S. - OUTDOOR COMPLIANCE FORM 2
- EE2-0.3 PEDDLER HILL M.S. - INDOOR COMPLIANCE FORM 1
- EE2-0.4 PEDDLER HILL M.S. - INDOOR COMPLIANCE FORM 2
- EE2-0.5 PEDDLER HILL M.S. - INDOOR COMPLIANCE FORM 3
- EE2-1 PEDDLER HILL M.S. - SITE PLAN
- EE2-2 PEDDLER HILL M.S. - POWER PLAN
- EE2-3 PEDDLER HILL M.S. - LIGHTING PLAN
- EE2-4 PEDDLER HILL M.S. - HYDRONIC HEATING SENSORS PLAN
- EE2-5 PEDDLER HILL M.S. - BRINE GENERATING STATION PLAN
- EE2-6 PEDDLER HILL M.S. - PANEL SCHEDULES

- EE3-0.1 PINE GROVE M.S. - OUTDOOR COMPLIANCE FORM 1
- EE3-0.2 PINE GROVE M.S. - OUTDOOR COMPLIANCE FORM 2
- EE3-0.3 PINE GROVE M.S. - INDOOR COMPLIANCE FORM 1
- EE3-0.4 PINE GROVE M.S. - INDOOR COMPLIANCE FORM 2
- EE3-0.5 PINE GROVE M.S. - INDOOR COMPLIANCE FORM 3
- EE3-1 PINE GROVE M.S. - SITE PLAN
- EE3-2 PINE GROVE M.S. - POWER PLAN
- EE3-3 PINE GROVE M.S. - LIGHTING PLAN
- EE3-4 PINE GROVE M.S. - PANEL SCHEDULE

- EE4-0.1 CAMP CONNELL M.S. - OUTDOOR COMPLIANCE FORM 1
- EE4-0.2 CAMP CONNELL M.S. - OUTDOOR COMPLIANCE FORM 2
- EE4-0.3 CAMP CONNELL M.S. - INDOOR COMPLIANCE FORM 1
- EE4-0.4 CAMP CONNELL M.S. - INDOOR COMPLIANCE FORM 2
- EE4-0.5 CAMP CONNELL M.S. - INDOOR COMPLIANCE FORM 3
- EE4-1 CAMP CONNELL M.S. - SITE PLAN
- EE4-2 CAMP CONNELL M.S. - POWER PLAN
- EE4-3 CAMP CONNELL M.S. - LIGHTING PLAN
- EE4-4 CAMP CONNELL M.S. - HYDRONIC HEATING SENSORS PLAN
- EE4-5 CAMP CONNELL M.S. - BRINE GENERATING STATION PLAN
- EE4-6 CAMP CONNELL M.S. - PANEL SCHEDULES

- EE5-1 SETTLING TANK PUMP CONTROL PANEL
- EE5-2 SETTLING TANK PUMP CONTROL SCHEMATIC DIAGRAM
- EE5-3 HYDRONIC HEATING CONTROL PANEL
- EE5-4 HYDRONIC HEATING SCHEMATIC DIAGRAM 1
- EE5-5 HYDRONIC HEATING SCHEMATIC DIAGRAM 2
- EE5-6 LIFT STATION PUMP CONTROL PANEL
- EE5-7 LIFT STATION PUMP CONTROL SCHEMATIC DIAGRAM
- EE5-8 DETAILS

SANITARY

- SS0-1 NOTES, LEGEND & ABBREVIATION

- SS1-1 WOODFORDS M.S. - MODIFIED SITE PLAN
- SS1-2 WOODFORDS M.S. - WASHRACK AND SUMP
- SS1-3 WOODFORDS M.S. - DETAILS

- SS2-1 PEDDLER HILL M.S. - MODIFIED SITE PLAN
- SS2-2 PEDDLER HILL M.S. - WASHRACK AND SUMP
- SS2-3 PEDDLER HILL M.S. - DETAILS

- SS3-1 PINE GROVE M.S. - MODIFIED SITE PLAN
- SS3-2 PINE GROVE M.S. - WASHRACK AND SUMP
- SS3-3 PINE GROVE M.S. - WATER LINE PLAN

- SS4-1 CAMP CONNELL M.S. - MODIFIED SITE PLAN
- SS4-2 CAMP CONNELL M.S. - WASHRACK AND SUMP
- SS4-3 CAMP CONNELL M.S. - DETAILS

- SS5-1 SAND-OIL/WATER SEPARATOR
- SS5-2 15,000 GALLON SETTLING TANK
- SS5-3 NOT USED
- SS5-4 DETAILS-1
- SS5-5 DETAILS-2
- SS5-6 DETAILS-3
- SS5-7 DETAILS-4
- SS5-8 DETAILS-5
- SS5-9 DETAILS-6
- SS5-10 TANK ELEVATIONS
- SS5-11 WASTEWATER AND BRINE SYSTEM SCHEMATIC

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	18	187

11/16/2012
DATE

7-22-13
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.

<p>ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA</p> <p>PROJECT ID 1012000181</p> <p>Reviewed by: Y. A. WANG Date: 04-11-13</p>	<p>CALIFORNIA STATE FIRE MARSHAL APPROVED</p> <p>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.</p> <p>Reviewed by: INGRID P. CASIANO Approval date: 04-10-13</p> <p>CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030</p>
--	--

DESIGN	BY Anthony Manansala	CHECKED Donald Alsey
DETAILS	BY Anthony Manansala	CHECKED Donald Alsey
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. VARIOUS
POST MILE SHEET INDEX

DISTRICT 10 WASH RACKS PHASE 2

A0-1

ARCHITECTURAL ABBREVIATIONS

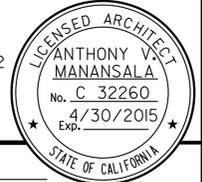
&	AND	EPS	EXPANDED POLYSTYRENE	LBS	POUNDS	RO	ROUGH OPENING
L	ANGLE	EQ	EQUAL	LF	LINEAR FEET	RSWN	RESAWN
∅	CENTER LINE	EQUIP	EQUIPMENT	LKR	LOCKER	RTE	ROUTE
∅	DIAMETER	ESCL	ESCALATOR	LLV	LONG LEG VERTICAL	RW	RETAINING WALL
□	OR ROUND SQUARE	ETW	EDGE OF TRAVEL WAY	LOL	LAYOUT LINE	RWL	RAINWATER LEADER
d	PENNY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

DESIGN CRITERIA

The building work on this project has been designed to conform to the 2010 Title 24 California Building Code.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	19	187

 11/16/2012
 LICENSED ARCHITECT DATE



7-22-13
PLANS APPROVAL DATE

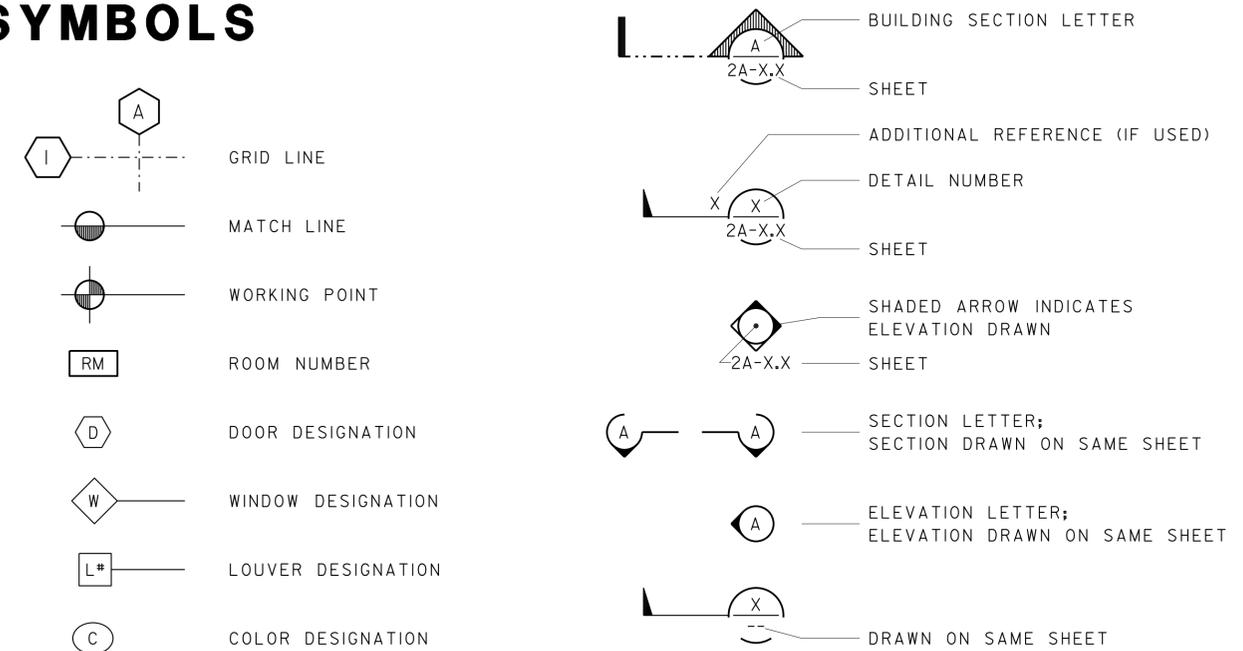
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

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 PROJECT ID 1012000181 Reviewed by:  Y. A. WANG Date: 04-11-13	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:  INGRID P. ICASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---

SYMBOLS



SCOPE OF WORK

- Remove or relocate as required existing paving, structures or containers for the construction of new Wash Racks and related appurtenances as shown on plans and special provisions of this contract at existing Maintenance Station facilities.

DESIGN SUPERVISOR	DESIGNER A. MANANASLA	CHECKED BY DON ALSEY	SHEET LEGEND	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2	SHEET
DESIGN ARCHITECT	DRAWN BY A. MANANASLA	STRUCTURAL REVIEW	A-I ARCHITECTURAL M-I MECHANICAL	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	ARCHITECTURAL ABBREVIATIONS, SYMBOLS	A0-2
A0-2.dgn	TAEMWW Imper1al Rev. 7/10	23-SEP-2013 10:53	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

23-SEP-2013 10:53 A0-2.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	20	187

<i>Y.A. Wang</i>	10-19-12	
LICENSED ARCHITECT	DATE	

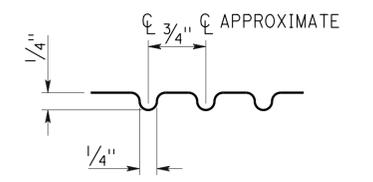
7-22-13
PLANS APPROVAL DATE

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.

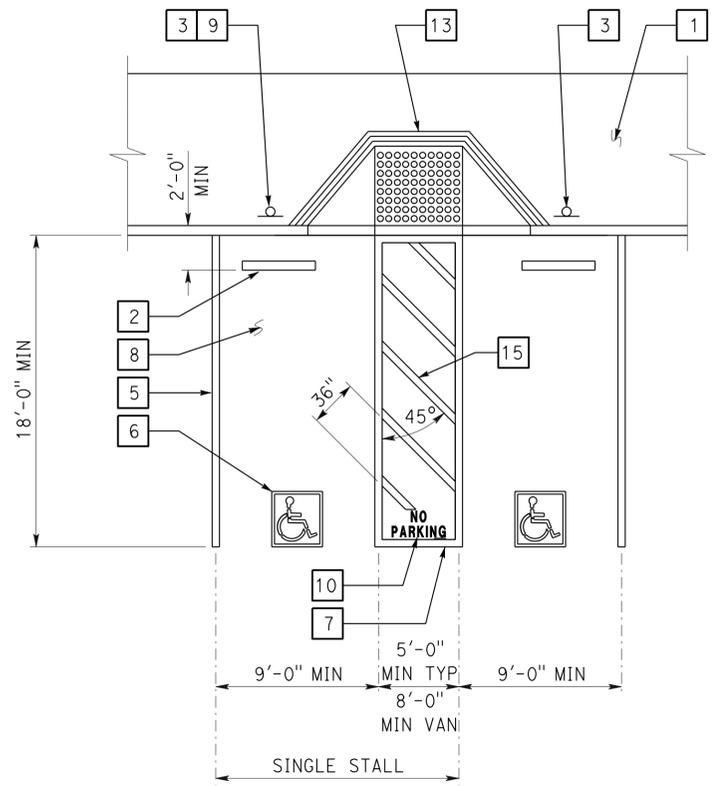
KEYED NOTE LEGEND FOR DETAILS

- Concrete walkway (where occurs). See plans for width, layout (may vary), finish, joints and elevations.
- Parking bumper (away from access aisle). See Specifications.
- Accessible parking space signage. See Detail 1 on sheet A0-3.2.
- 1' wide grooved border on level surface typ at ramp perimeter. See Detail 3 on this sheet.
- 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See Specifications for painting.
- Accessible parking surface identification painted on pavement. See Detail 6 on sheet A0-3.2.
- 4" wide blue border designating non-parking access aisle to curb ramp. Access aisle shall be on passenger side only.
- "NO PARKING" in min 12" high white letters to be placed within access aisle to curb ramp. See Detail 7 on sheet A0-3.2.
- Level landing -2% max slope w/36" deep detectable warning surface adjoining access aisle or vehicular way. See Detail 6 on this sheet.
- Detectable warning surface to extend full width and min 36" deep from front edge of sidewalk. See Detail 6 on this sheet.
- Curb ramp. See Detail 4 on this sheet. Also see plans for width and layout (may vary).
- Curb ramp. See Detail 5 on this sheet. Also see plans for width and layout (may vary).
- 4" wide white hatched lines to contrast with asphalt surface. Use blue hatched lines for light-color concrete surface.

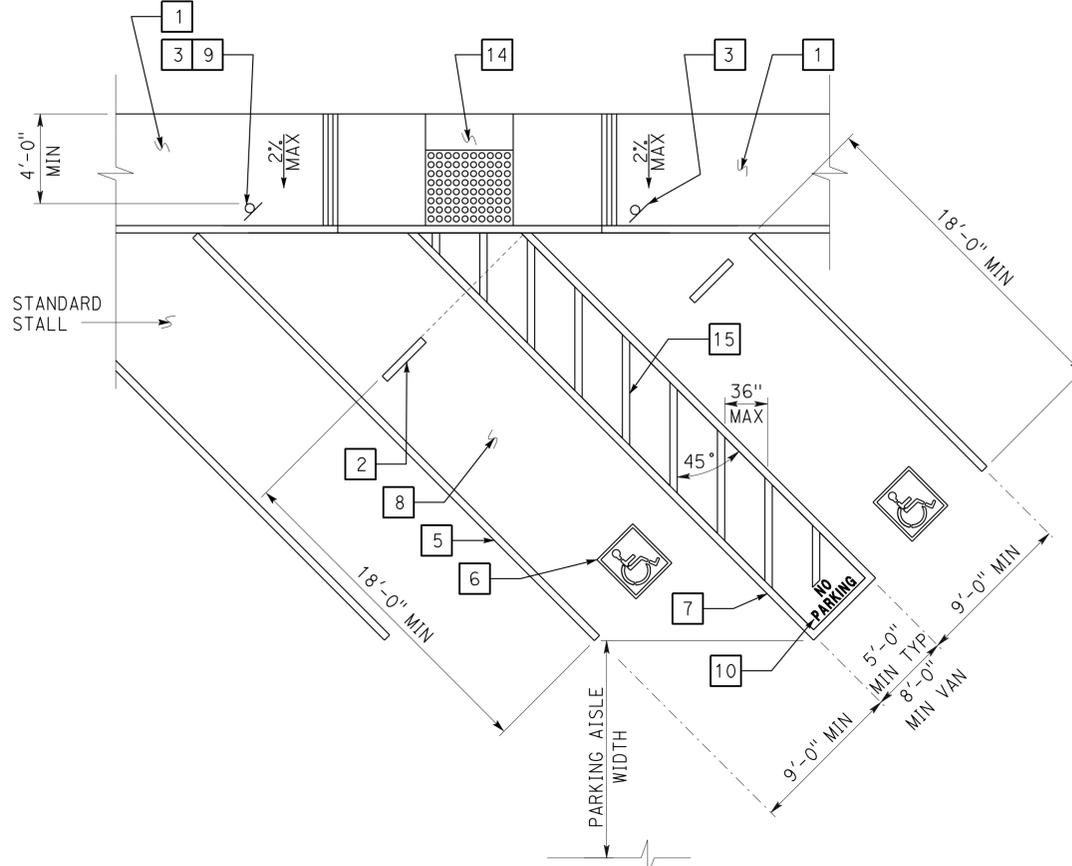
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y.A. Wang</i> Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>David P. Casiano</i> INGRID P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
---	--



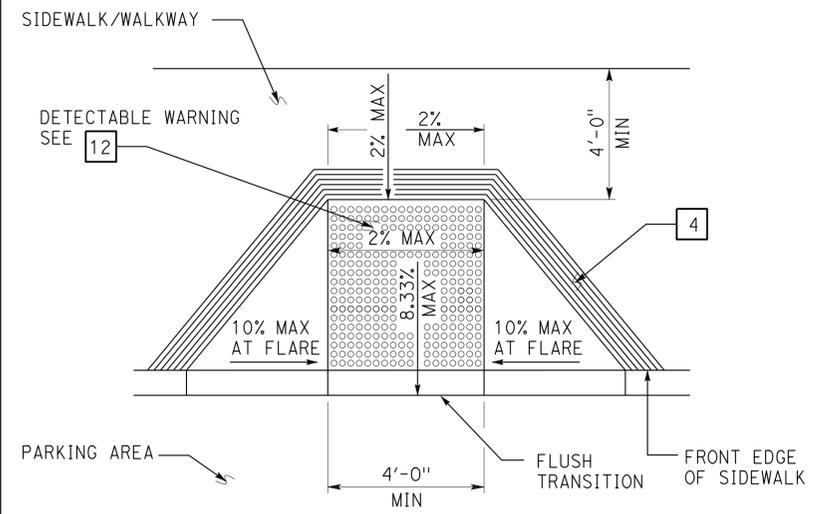
3 GROOVE DETAIL



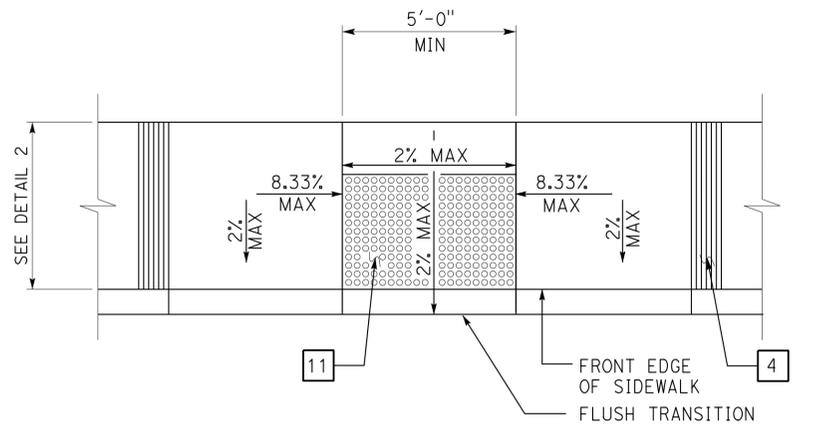
1 ACCESSIBLE PARKING STALL



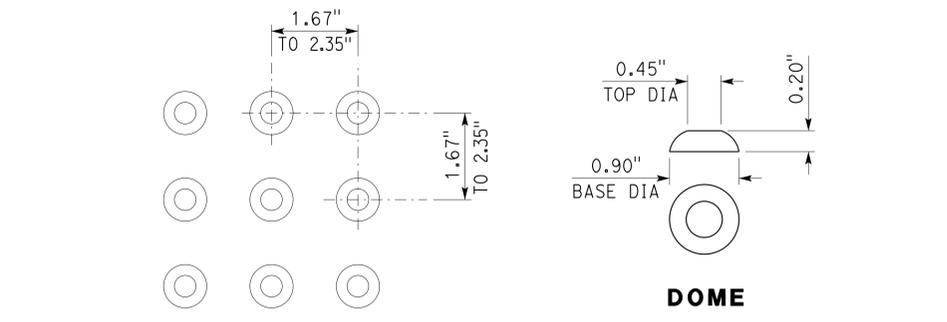
2 DIAGONAL ACCESSIBLE PARKING STALL
See plan for any variation of diagonal parking. Angle of parking stalls shall either match the existing angle or be indicated on plans.



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



6 DETECTABLE WARNING SURFACE - TRUNCATED DOMES
Dome dimensions are nominal, which may be within ±0.05" for dome spacing, and ±0.02" for dome size.

DETAILS
No scale unless otherwise noted

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

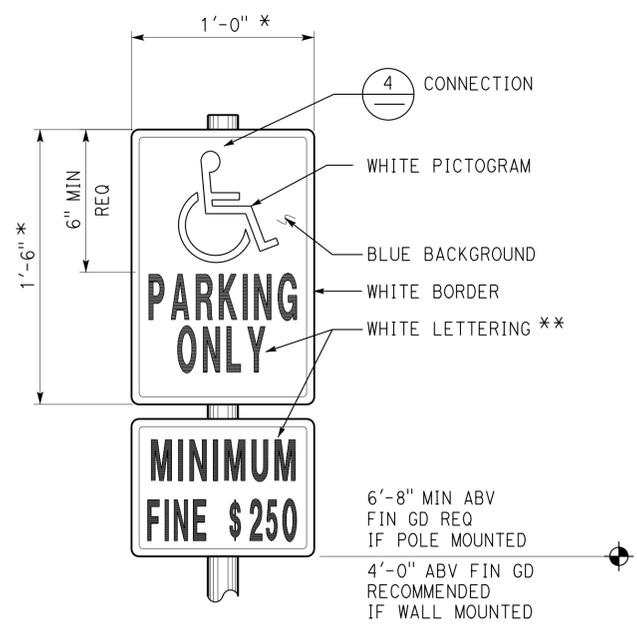
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		DISTRICT 10 WASH RACKS PHASE 2		SHEET	
FILE NO.	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED <i>Y.A. Wang</i>	ARCHITECTURAL		VARIOUS		POST MILE		ACCESSIBILITY		A0-3.1	
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		STRUCTURAL DESIGN				ACCESSIBILITY STANDARD DETAILS			
SUBMITTED BY Y.A. Wang				UNIT PROJECT NUMBER & PHASE 3600 10120001811		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			
a0_03a_i.dgn 23-SEP-2013 10:53				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 0X2101		04-13-12 05-25-12		SHEET OF			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	21	187

<i>Y.A. Wang</i>	10-19-12	
LICENSED ARCHITECT	DATE	

7-22-13
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.

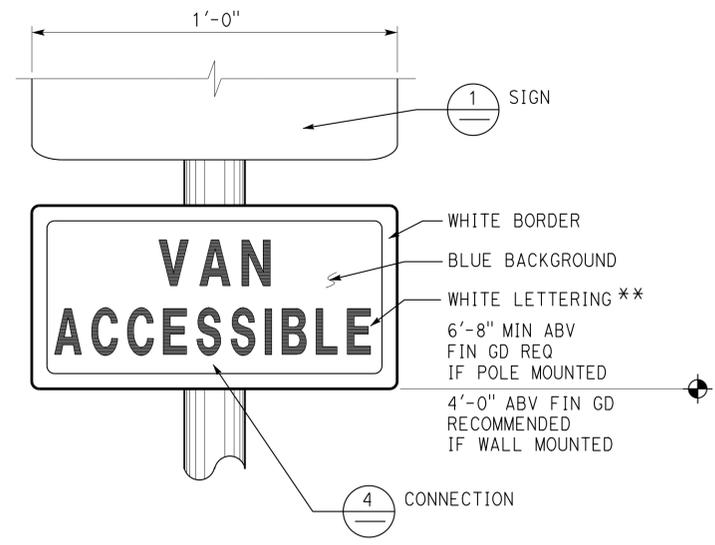


1 ACCESSIBLE PARKING SIGN

Refer to Site Plan for locations. Combo sign may be used.

* Min area 70 sq in req

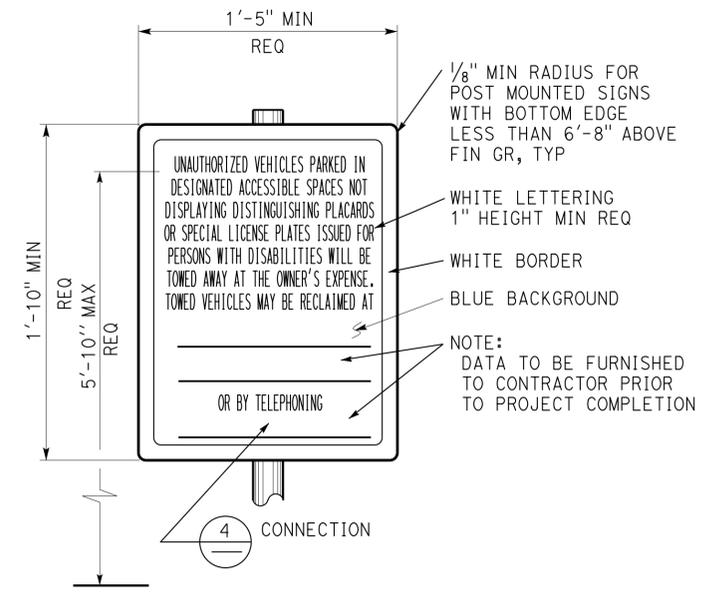
** 2" min ht req for up to 10'-0" mounting ht from baseline of highest letter to fin gd. 3" min ht req for mounting ht over 10'-0".



2 ACCESSIBLE VAN PARKING SIGN

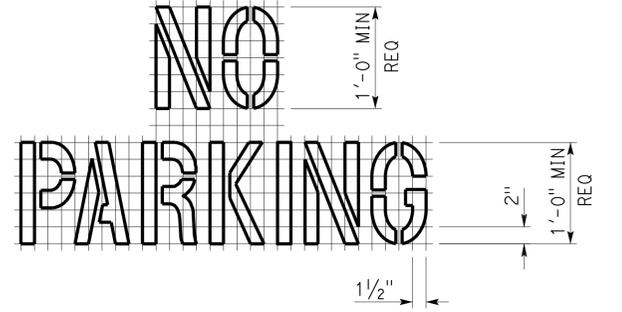
Refer to Site Plan for locations. Combo sign may be used.

Note: All listed sign sizes are recommended standard sizes, unless otherwise noted as required. All mounting heights are recommended, unless otherwise noted as required.

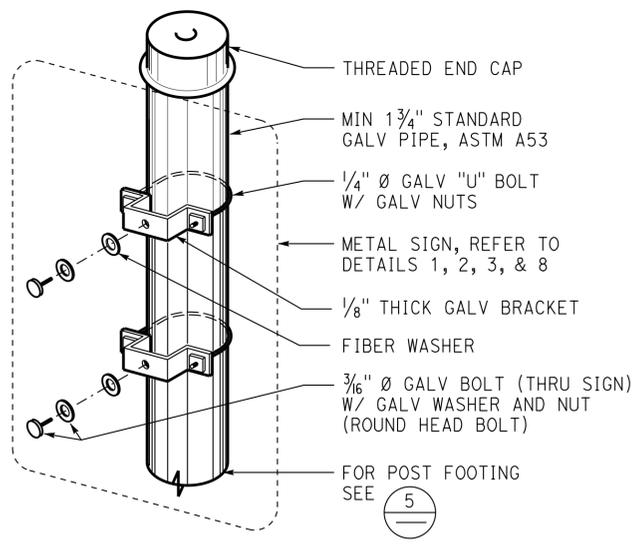


3 UNAUTHORIZED VEHICLES PARKING SIGN

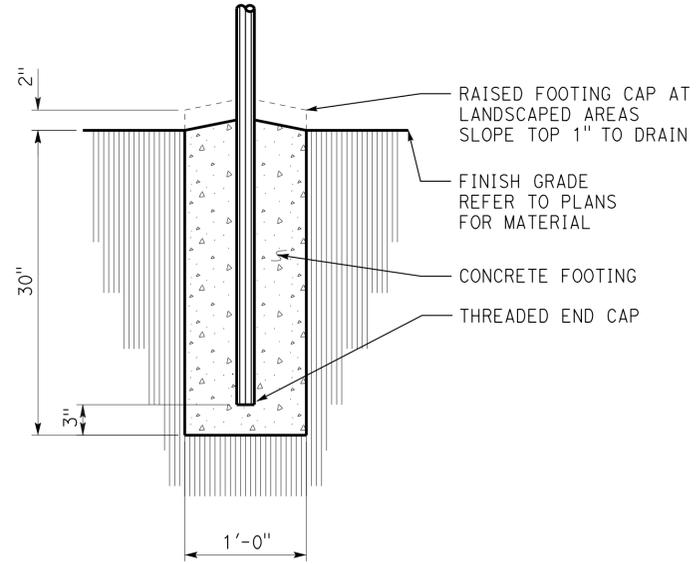
Refer to Site Plan for locations. Colors may vary. Sign shall not be posted in a path of travel.



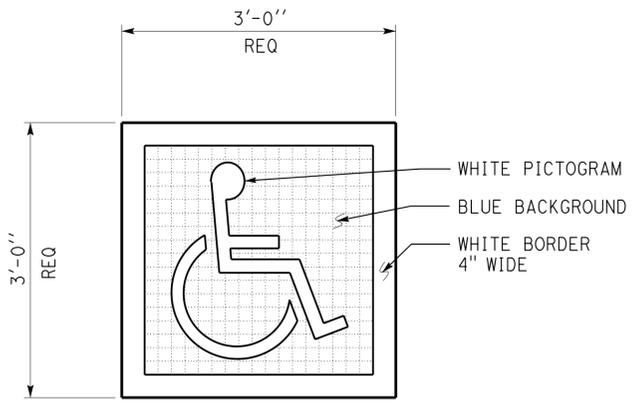
7 ACCESS AISLE PAVEMENT MARKING



4 SIGN CONNECTION

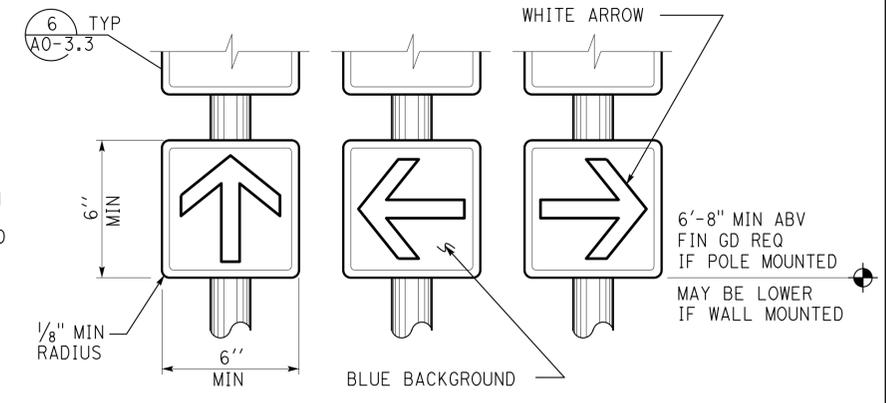


5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION

Refer to Details 1 and 2 on sheet A0-3.1 for locations.



8 DIRECTIONAL SIGNS

Refer to Site Plan or General Plan for locations. Wall or door mounted signs may be used. Combo sign may be used. Colors may vary.

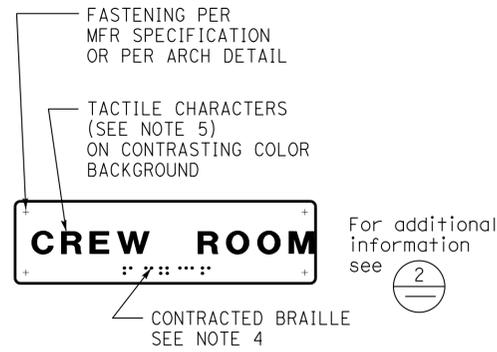
DETAILS
No scale unless otherwise noted

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

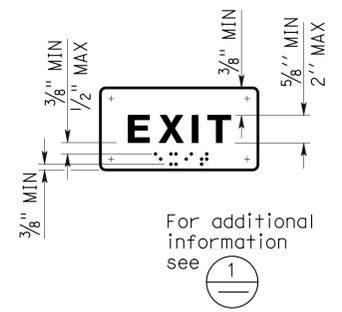
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. VARIOUS POST MILE		DISTRICT 10 WASH RACKS PHASE 2		SHEET A0-3.2	
FILE NO. 10-12	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED <i>R.E. Travia</i>	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 3600 10120001811		DISREGARD PRINTS BEARING EARLIER REVISION DATES		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3600		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF		23-SEP-2013 10:53	
SUBMITTED BY Y.A. Wang				TAEMWW Imperial Rev. 7/10		23-SEP-2013 10:53						a0_03b_1.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	22	187

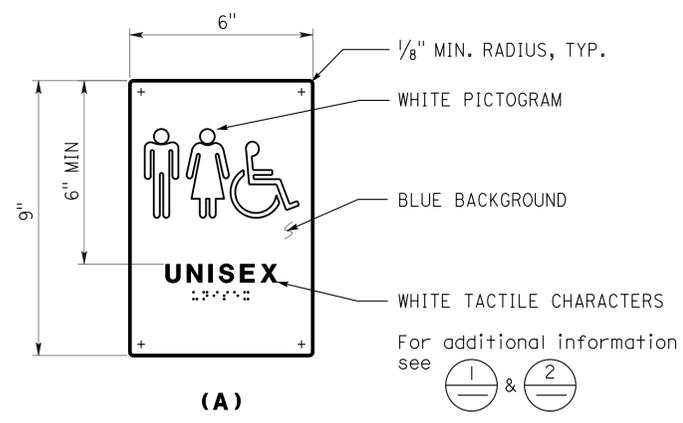
<i>Y.A. Wang</i>		10-19-12	LICENSED ARCHITECT	Y.A. WANG No. C14891 Exp. 11-30-13 STATE OF CALIFORNIA
LICENSED ARCHITECT		DATE		
7-22-13 PLANS APPROVAL DATE				
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.				



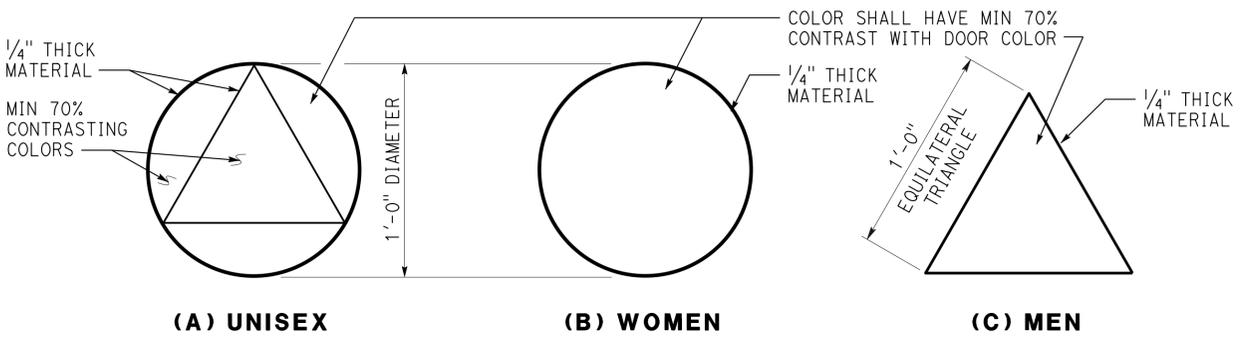
1 ROOM IDENTIFICATION SIGN
Install per Detail 5. Text varies. See plans, ext elevations, or door schedule for locations and text. See Detail 7 for sign mounting heights.



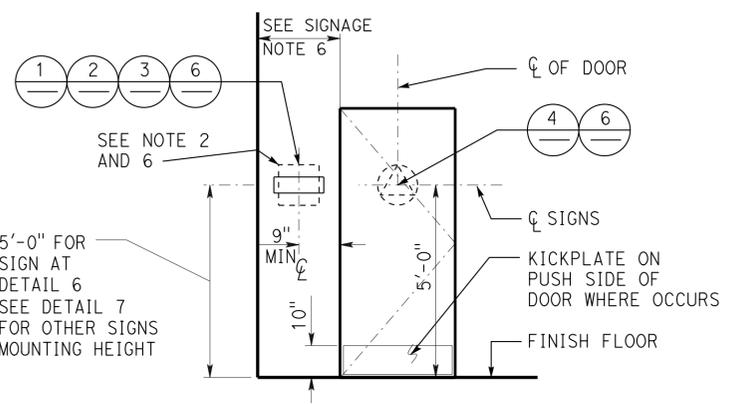
2 INTERIOR EXIT SIGN
Install per Detail 5. Text may vary. See plans, or door schedule for locations and text. See Detail 7 for sign mounting heights.



3 RESTROOM/SHOWER ROOM SIGNS
Install per Detail 5. See Detail 7 for sign mounting height.



4 RESTROOM/SHOWER ROOM IDENTIFICATION SYMBOLS
Install per Detail 5. Any pictogram and text are not required.

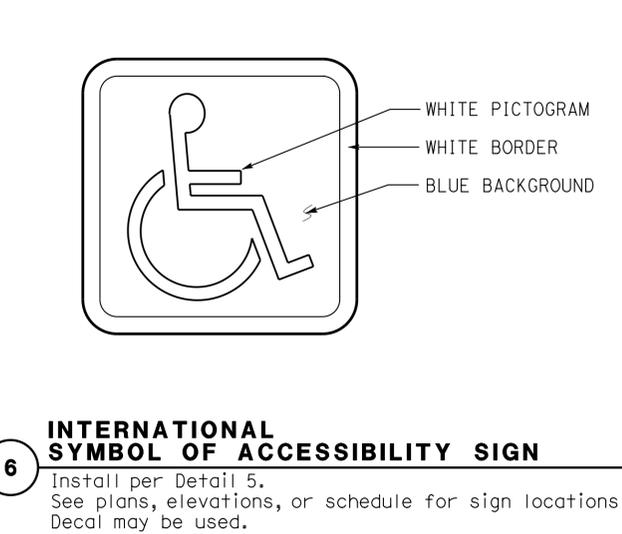


5 SIGN LOCATIONS
Refer to signage notes for additional information.

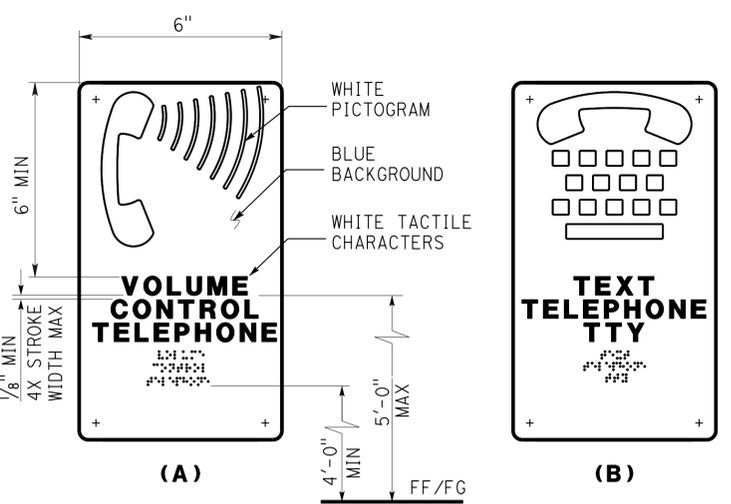
- SIGNAGE NOTES:**
1. Locate room identification signs, exit signs, and restroom signs on wall adjacent to door on latch side. If wall space is not available on latch side, locate on nearest adjacent wall. Locate sign on inactive leaf at double doors, or to the right of right hand door at double doors with two active leaves.
 2. Refer to specifications for sign material and other color selection. Except Detail 6, sign colors may vary from details.
 3. See door schedule for text and sign location, UON.
 4. Contracted Braille: dots shall be 1/10" OC in each cell with 2/10" space between cells measured from the second column of dots in the first cell to the first column of dots in the second cell. Dots shall be raised a minimum of 1/40" above the background. Dots shall be domed or rounded.
 5. Tactile characters shall be uppercase sans serif raised 1/32" min. Fonts shall be selected where width of letter "O" is 60% min and 110% max of height of letter "I". Stroke thickness of letter "I" is 10% min and 20% max of height of the character.
 6. Provide 18"x18" min clear floor space in front of and centered on any tactile sign.
 7. Sign color shall have a minimum of 70% contrast to door or wall color. Text and pictogram shall have a minimum of 70% contrast to sign color.
 8. Tactile character height is measured based on height of uppercase letter "I".

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y.A. Wang</i> Date: 04-11-13	Reviewed by: <i>David P. Castano</i> INGRIS P. CASTANO Approval date: 04-10-13

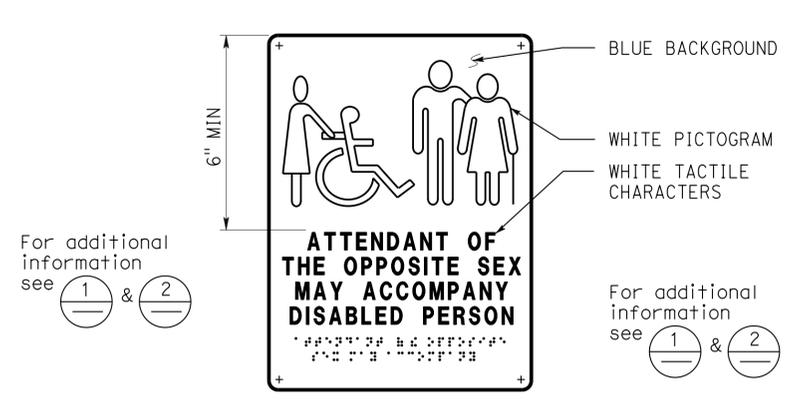
CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



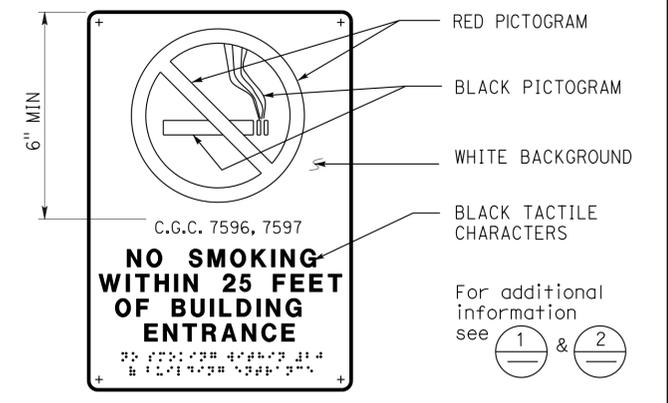
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
Install per Detail 5. See plans, elevations, or schedule for sign locations. Decal may be used.



7 TELEPHONE SIGNS
Text may vary. See plans or exterior elevations for sign locations and mounting heights.



8 RESTROOM ACCOMPANY SIGN
See plans or elevations for locations. See Detail 7 for sign mounting heights.



9 NO SMOKING SIGN
See plans or ext elevations for locations. See Detail 7 for sign mounting heights.

DETAILS
No scale unless otherwise noted

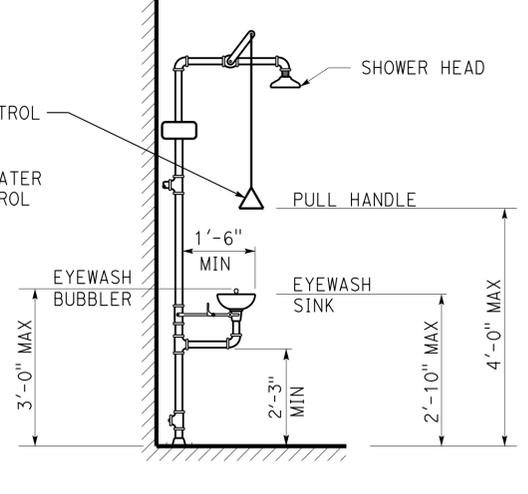
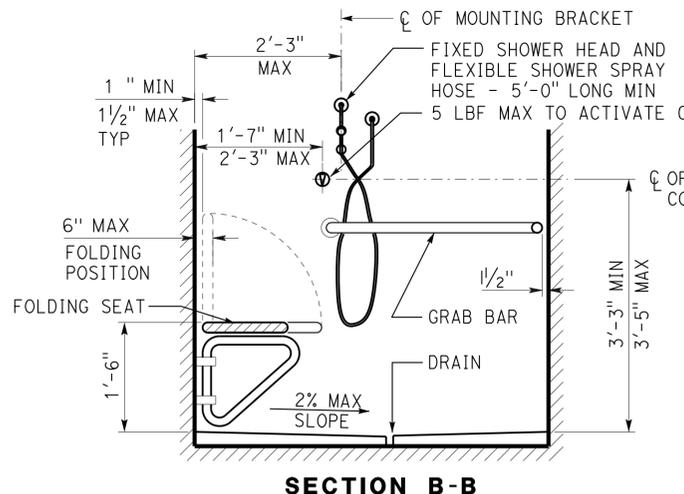
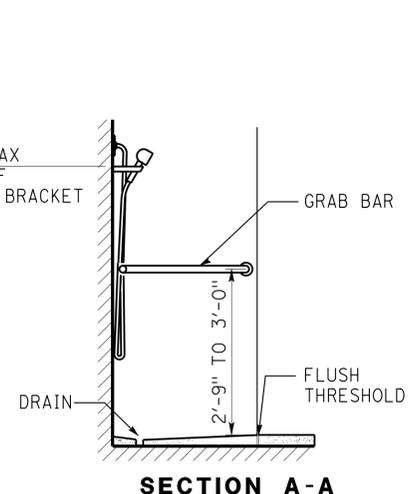
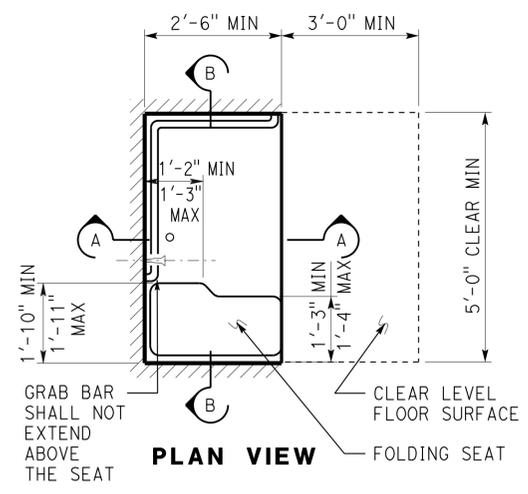
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. VARIOUS POST MILE		DISTRICT 10 WASH RACKS PHASE 2		SHEET A0-3.3	
FILE NO. 10-12	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED <i>Y.A. Wang</i>	PROJECT NUMBER & PHASE 3600 1012000181		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR <i>R.E. Travia</i>	UNIT PROJECT NUMBER & PHASE 3600 1012000181		DISREGARD PRINTS BEARING EARLIER REVISION DATES		04-13-12 05-25-12		04-13-12 05-25-12		23-SEP-2013 10:53	
a0_03c_1.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		TAEMWW Imper1al Rev. 7/10		23-SEP-2013 10:53		10:53		a0_03c_1.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	23	187

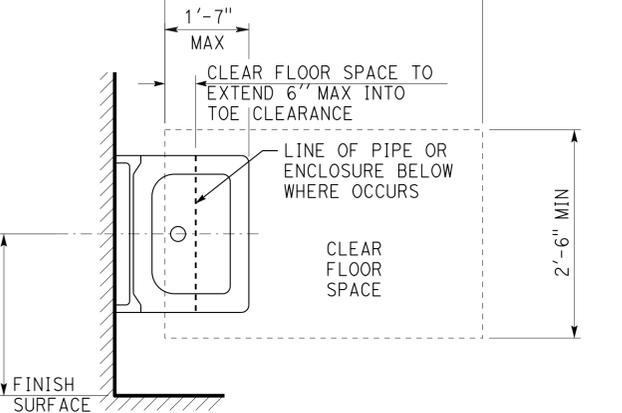
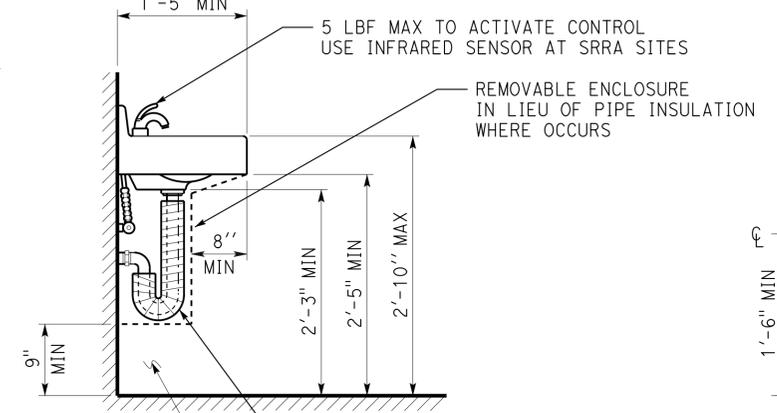
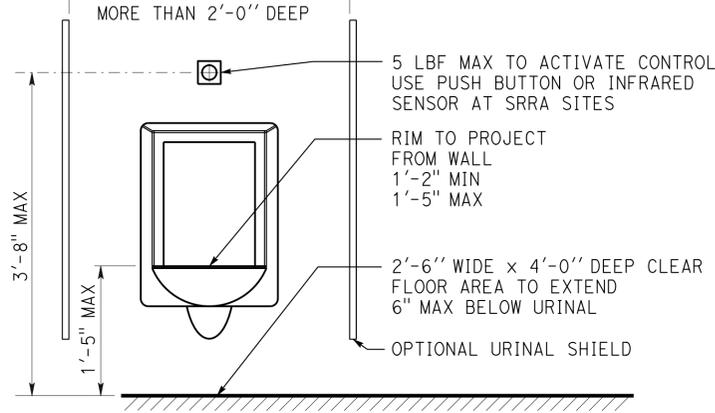
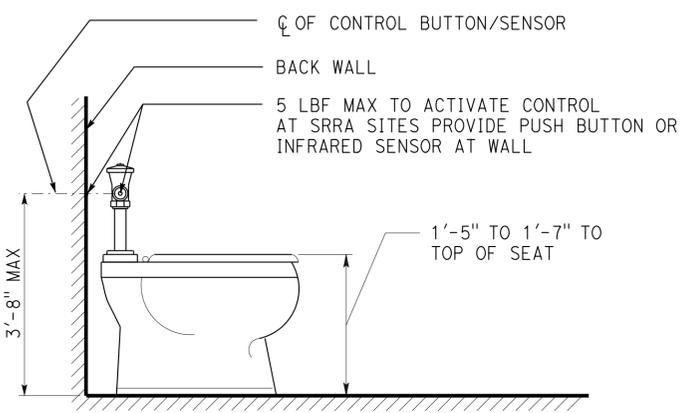
<i>Y.A. Wang</i>		10-19-12
LICENSED ARCHITECT	DATE	
7-22-13		
PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.		

ACCESSIBILITY DESIGN APPROVAL STAMP		CALIFORNIA STATE FIRE MARSHAL APPROVED	
DOT / DES / OTA		APPROVED	
PROJECT ID		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.	
1012000181		Reviewed by: <i>Y.A. Wang</i>	
Reviewed by: <i>Y.A. Wang</i>		Reviewed by: <i>INGRID P. CASTANO</i>	
Date: 04-11-13		Approval date: 04-10-13	
		CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030	



1 SHOWER STALL
 Optional standard shower head may be added to wall opposite shower seat. Locate water diverter per water control.

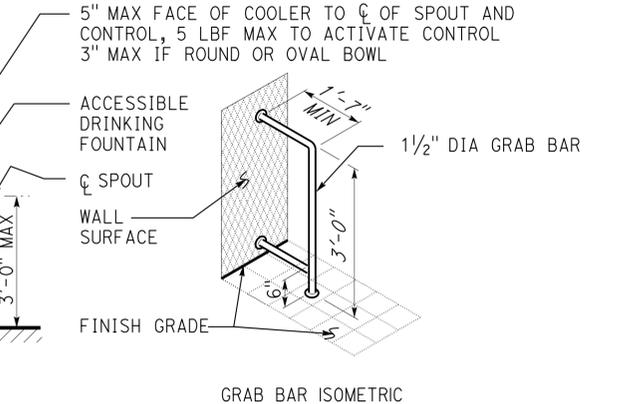
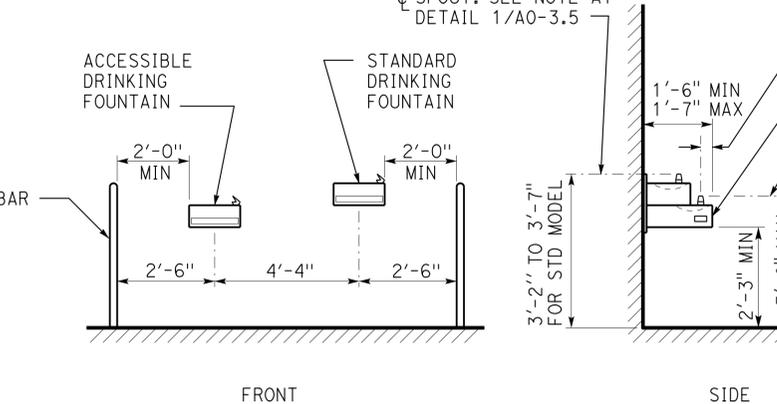
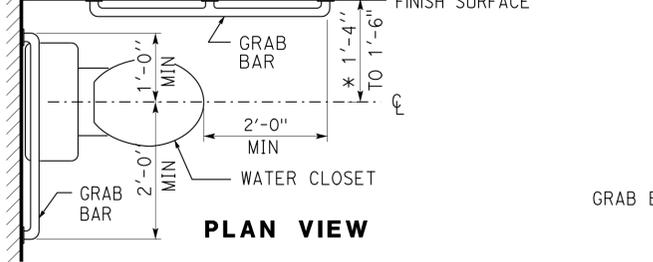
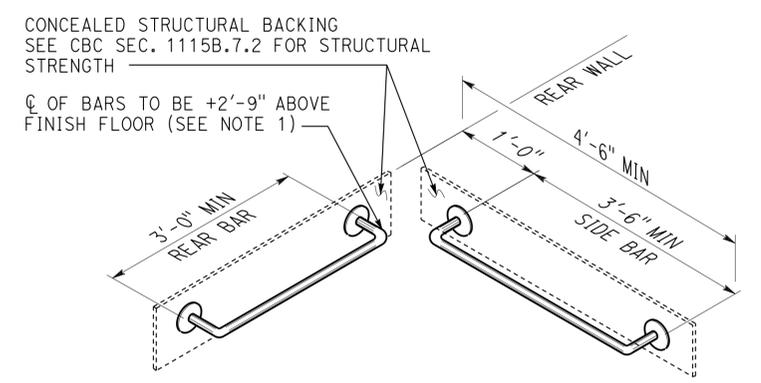
2 EMERGENCY EYEWASH/SOWER
 Foot pedal may be added to operate equipment



3 WATER CLOSET
 See Spec for fixture type

4 URINAL

5 LAVATORY



6 GRAB BARS/ WATER CLOSET

Grab bar note:
 1. If tank type toilet is used, centerline of rear bar may be set to 3'-0" max above finish floor. Side bar to remain as shown.
 2. Grab bars to be 1 1/4" To 1 1/2" diameter with clear space of 1 1/2" to smooth wall surface.
 * 1'-5" to 1'-7" at ambulatory accessible compartment.

7 ELECTRIC WATER COOLER
 In lieu of grab bars, other types of wing walls may be used. Dimensions at front elevation may vary - see plan. Provide clear level area w/max 2% slope in all directions at each fixture. See clear floor space at detail 1/A0-3.5 for size and location.

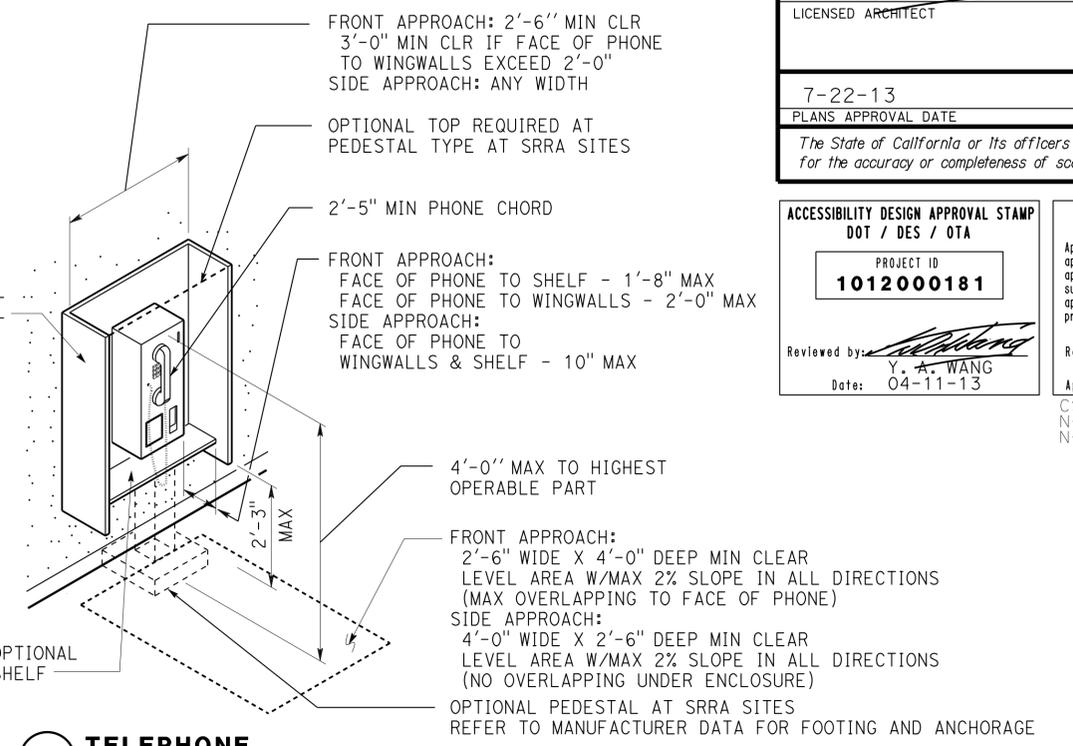
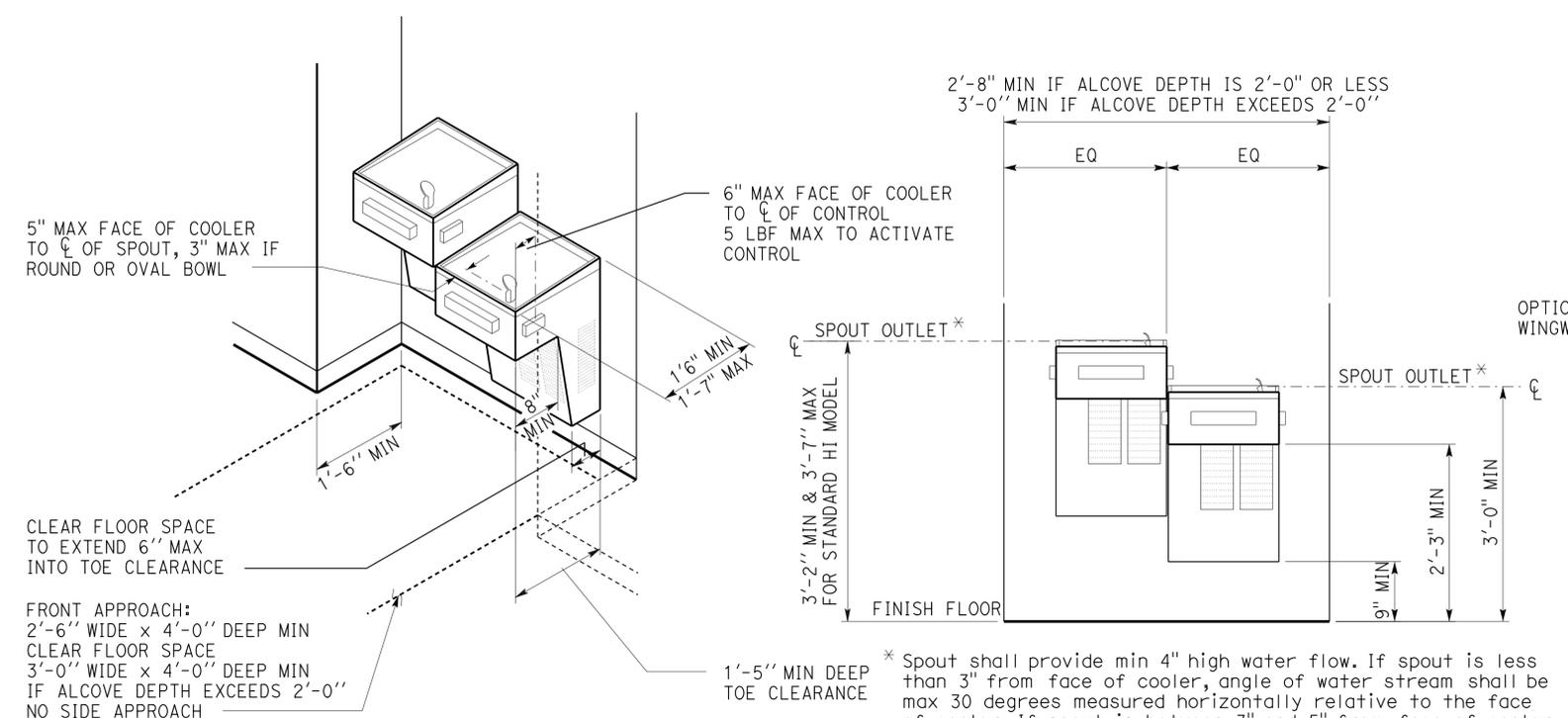
DETAILS
 No scale unless otherwise noted

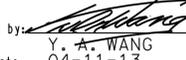
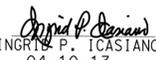
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		DISTRICT 10 WASH RACKS PHASE 2		SHEET	
FILE NO.	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED <i>Y.A. Wang</i>	ARCHITECTURAL		VARIOUS		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		A0-3.4	
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		STRUCTURAL DESIGN		POST MILE					
SUBMITTED BY Y.A. Wang				UNIT 3600		PROJECT NUMBER & PHASE 1012000181		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
a0_03d_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		EA 0X2101		04-13-12 05-25-12				23-SEP-2013 10:54	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	24	187

 LICENSED ARCHITECT		10-19-12 DATE	
7-22-13 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.	



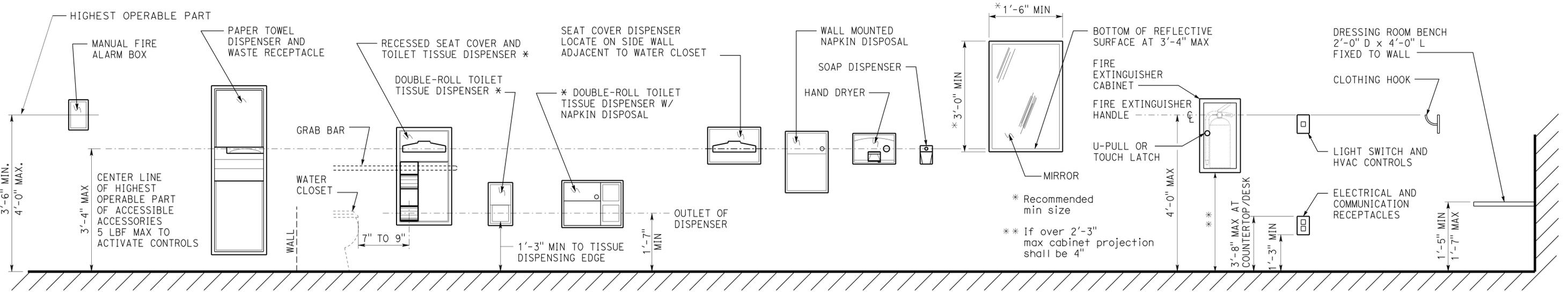
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by:  Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  INGRID P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	--

1 ELECTRIC WATER COOLER AT ALCOVE

Fixture type may vary.
 Width of alcove may vary.
 Two fixtures with separate mounting heights may be installed at separate locations.

2 TELEPHONE

Note: Seat surface shall be slip resistant and shall not accumulate water (E.G., 2% max slope to drain) when installed in conjunction with wet locations. Structural strength of the bench and attachments shall comply w/CBC Sec. 1115B.7.2



3 ACCESSORIES

* Toilet tissue dispenser shall be located on wall or partition closet to water closet

DETAILS
 No scale unless otherwise noted

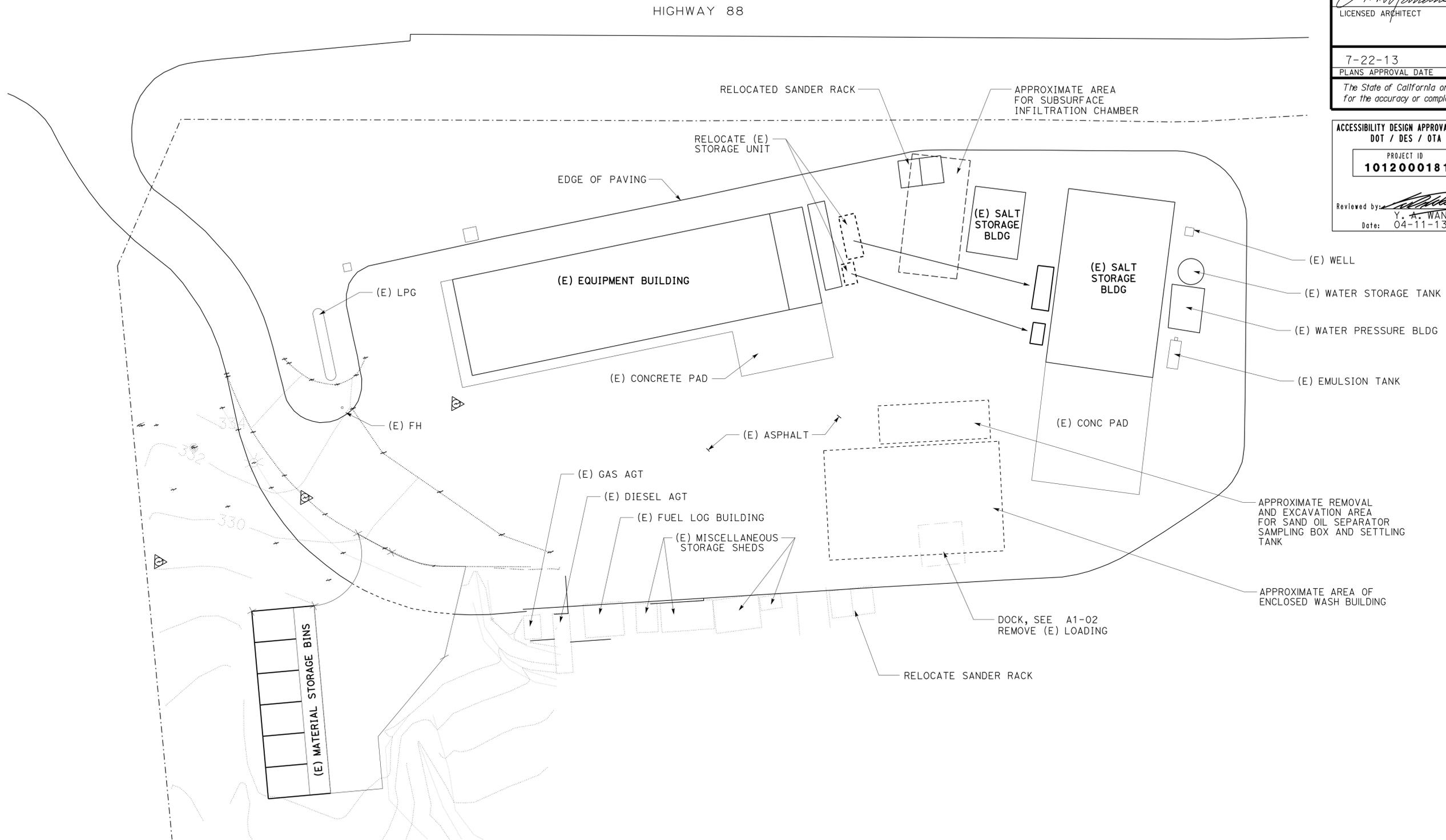
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. VARIOUS POST MILE		DISTRICT 10 WASH RACKS PHASE 2		SHEET A0-3.5	
FILE NO. 10-12	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED 	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 3600 1012000181		DISREGARD PRINTS BEARING EARLIER REVISION DATES		ACCESSIBILITY ACCESSIBILITY STANDARD DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)	
DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3600		REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 05-25-12		SHEET OF		23-SEP-2013 11:21	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	25	187

11/16/2012
 DATE
 ANTHONY MANANSALA
 LICENSED ARCHITECT
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: Y. A. WANG Date: 04-11-13	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: INGRID P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
---	---

WOODFORDS M.S. SITE REMOVAL PLAN

NO SCALE
 SEE GP-1 FOR ADDITIONAL INFORMATION

A1-01.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SITE REMOVAL PLAN	SHEET OF A1-01
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE			
23-SEP-2013 11:24	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12 05-25-12		

23-SEP-2013 11:24

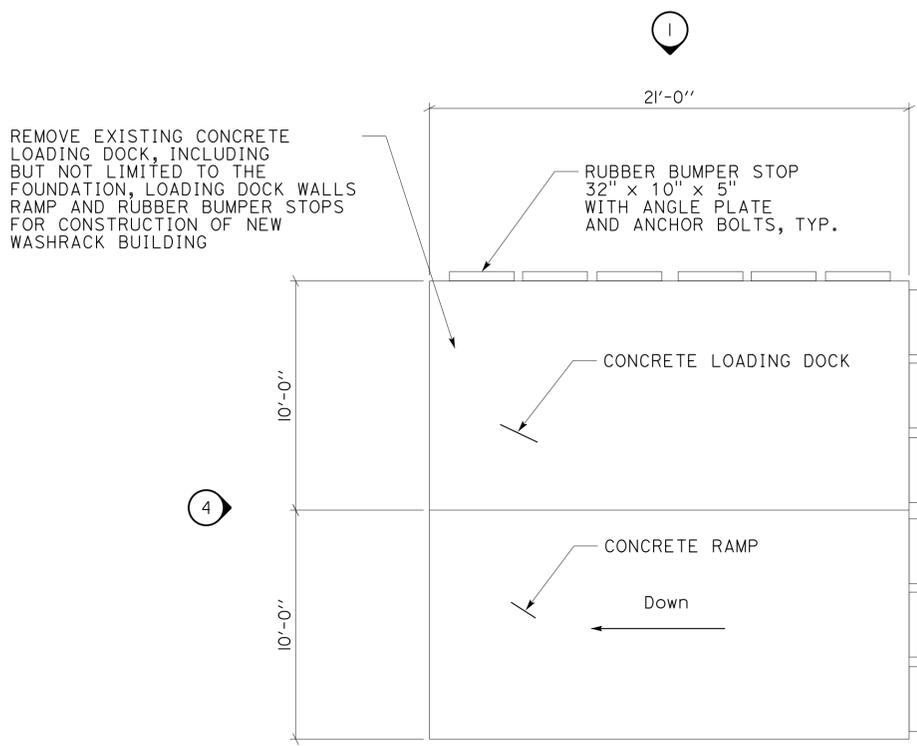
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	26	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

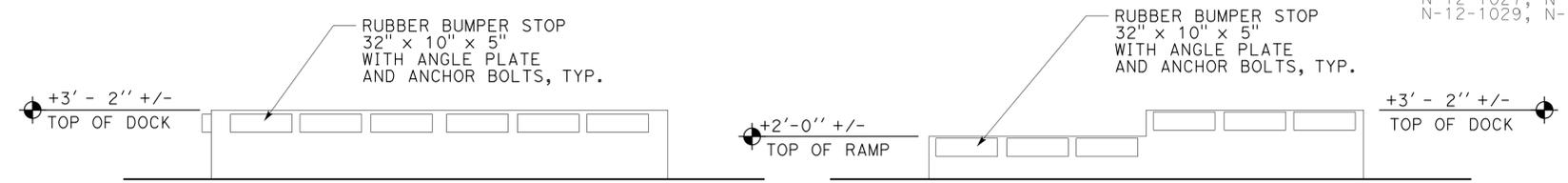
LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

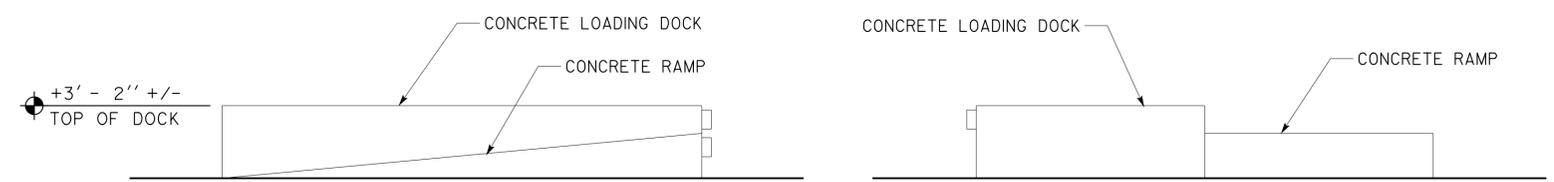


LOADING DOCK REMOVAL PLAN
SCALE 1/4" = 1'-0"



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

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



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

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

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA	CALIFORNIA STATE FIRE MARSHAL APPROVED
PROJECT ID 1012000181	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	Reviewed by: <i>Ingrit P. Castano</i> INGRIT P. CASTANO Approval date: 04-10-13
	CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

A1-02.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 07:40	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		LOADING DOCK REMOVAL PLAN, ELEVATIONS
	QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	X X
			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 0X2101			

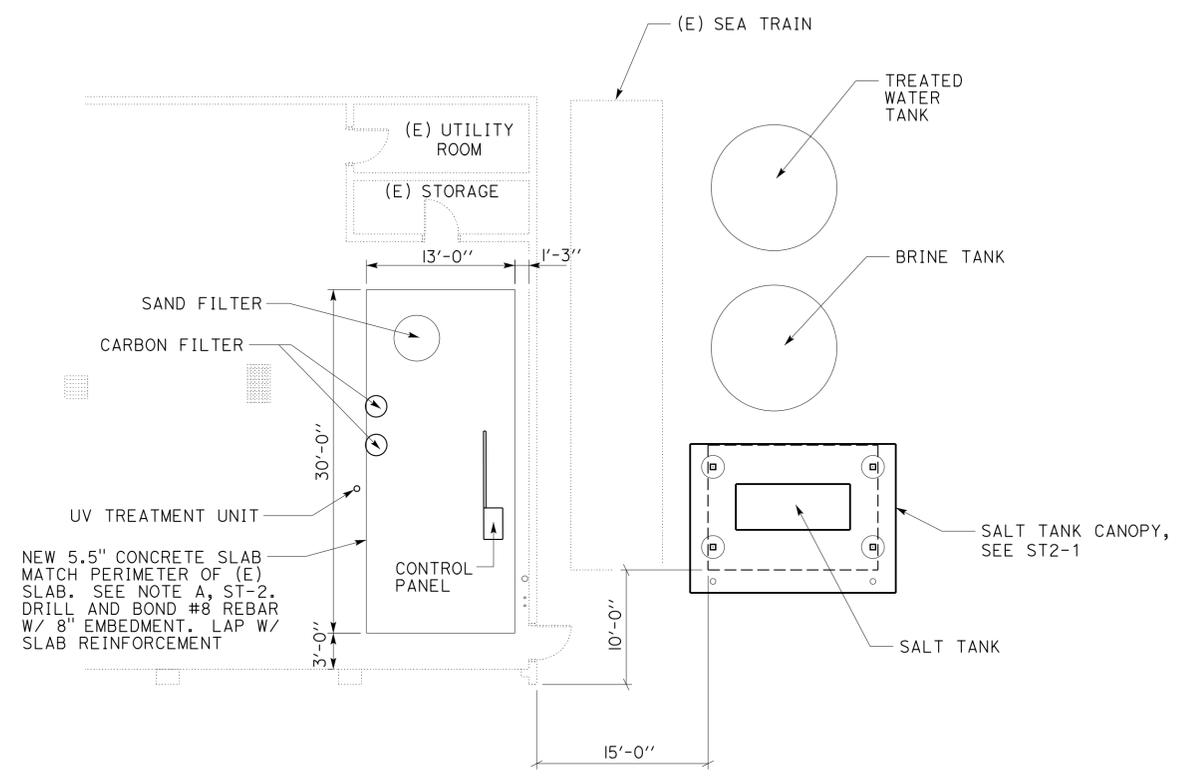
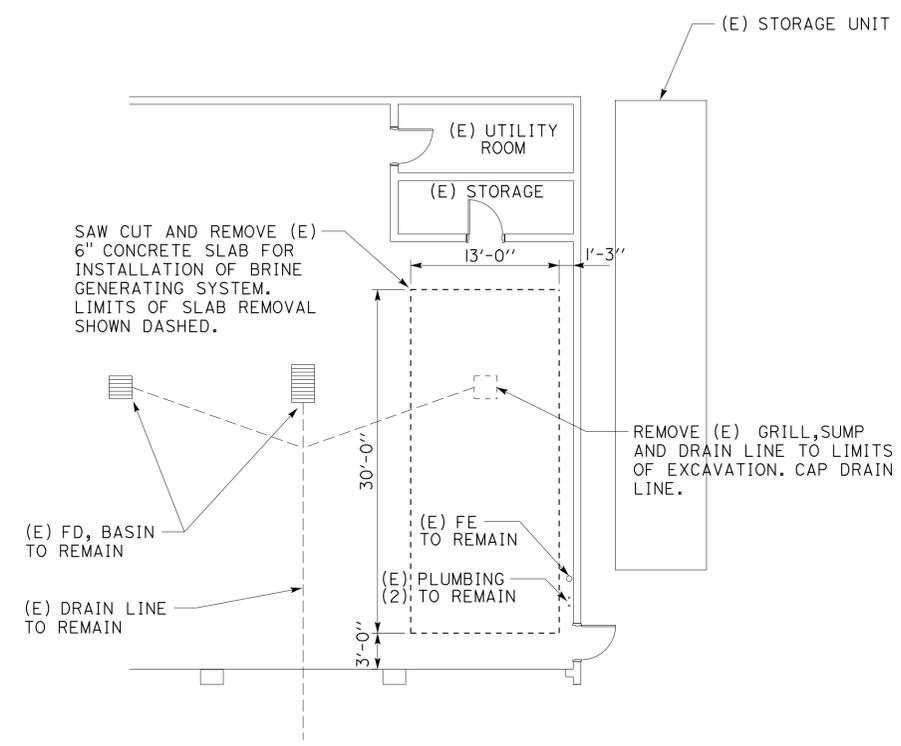
23-SEP-2013 07:40 A1-02.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	27	187

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrids P. Castano</i> INGRIDS P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



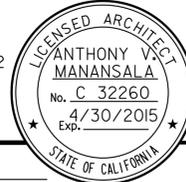
SEE SS1-3 FOR BRINE GENERATING SYSTEM

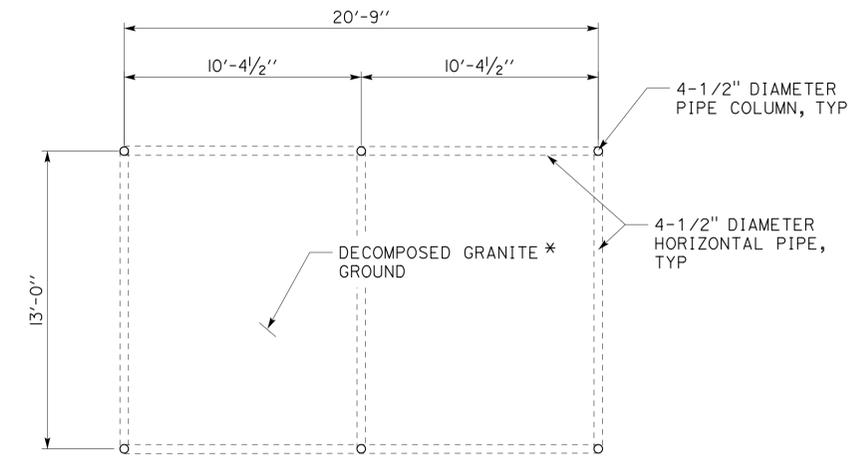
EQUIPMENT BAY REMOVAL PLAN
 SCALE 1/8" = 1'-0"

EQUIPMENT BAY MODIFIED PLAN
 SCALE 1/8" = 1'-0"

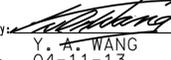
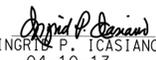
A1-03.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 07:40	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S. EQUIPMENT BAY PLAN	SHEET OF A1-03
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		UNIT PROJECT NUMBER & PHASE 3600 1012000181	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES		04-13-12 04-23-12	

23-SEP-2013 07:40 A1-03.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	28	187
 LICENSED ARCHITECT			11/16/2012 DATE		
7-22-13					
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.					

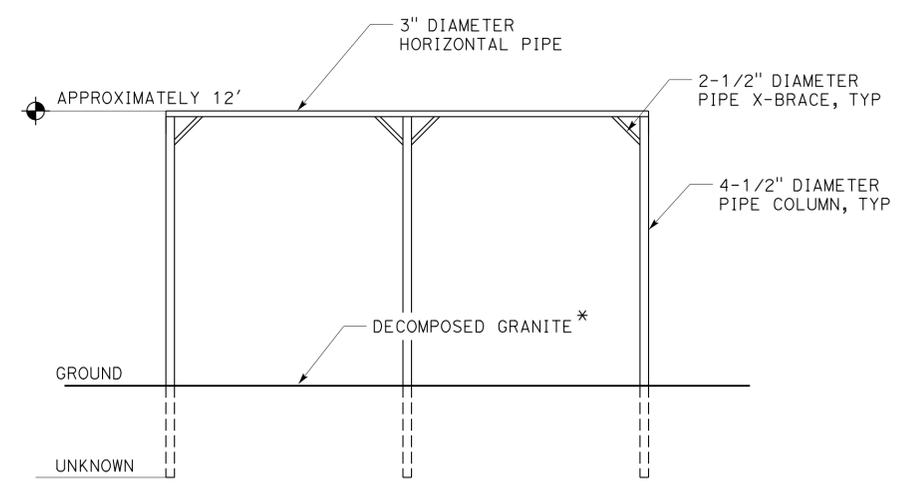


Note: This sheet provides information for the relocation of (E) Sander Rack at the Woodfords Maintenance Station, See Sheet A1-01 for additional information.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by:  Y. A. WANG Date: 04-11-13	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:  INGRID P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	--

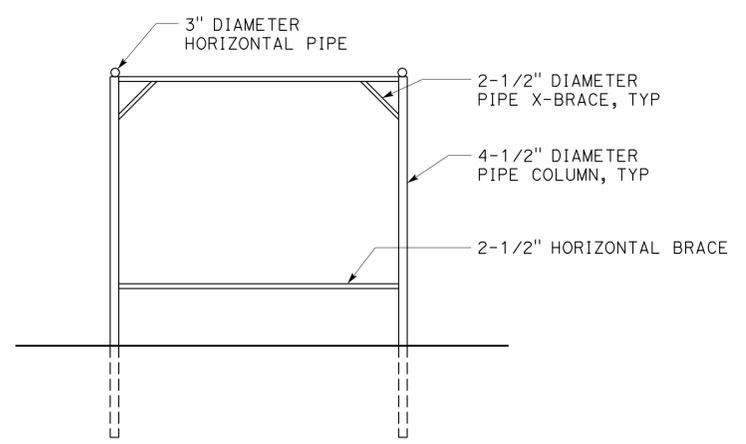


SANDER RACK PLAN
SCALE 1/4" = 1'-0"



Note: All connections are welded.
* Decomposed granite not needed at relocated location.

FRONT ELEVATION
SCALE 1/4" = 1'-0"



Note: All connections are welded.

SIDE ELEVATION
SCALE 1/4" = 1'-0"

A1-04.dgn TAEMWW Imperial Rev. 7/10 27-SEP-2013 16:41	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		SANDER RACK PLAN, ELEVATIONS
QUANTITIES BY	CHECKED	PROJECT NUMBER & PHASE 1012000181		UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	04-13-12
EA 0X2101							

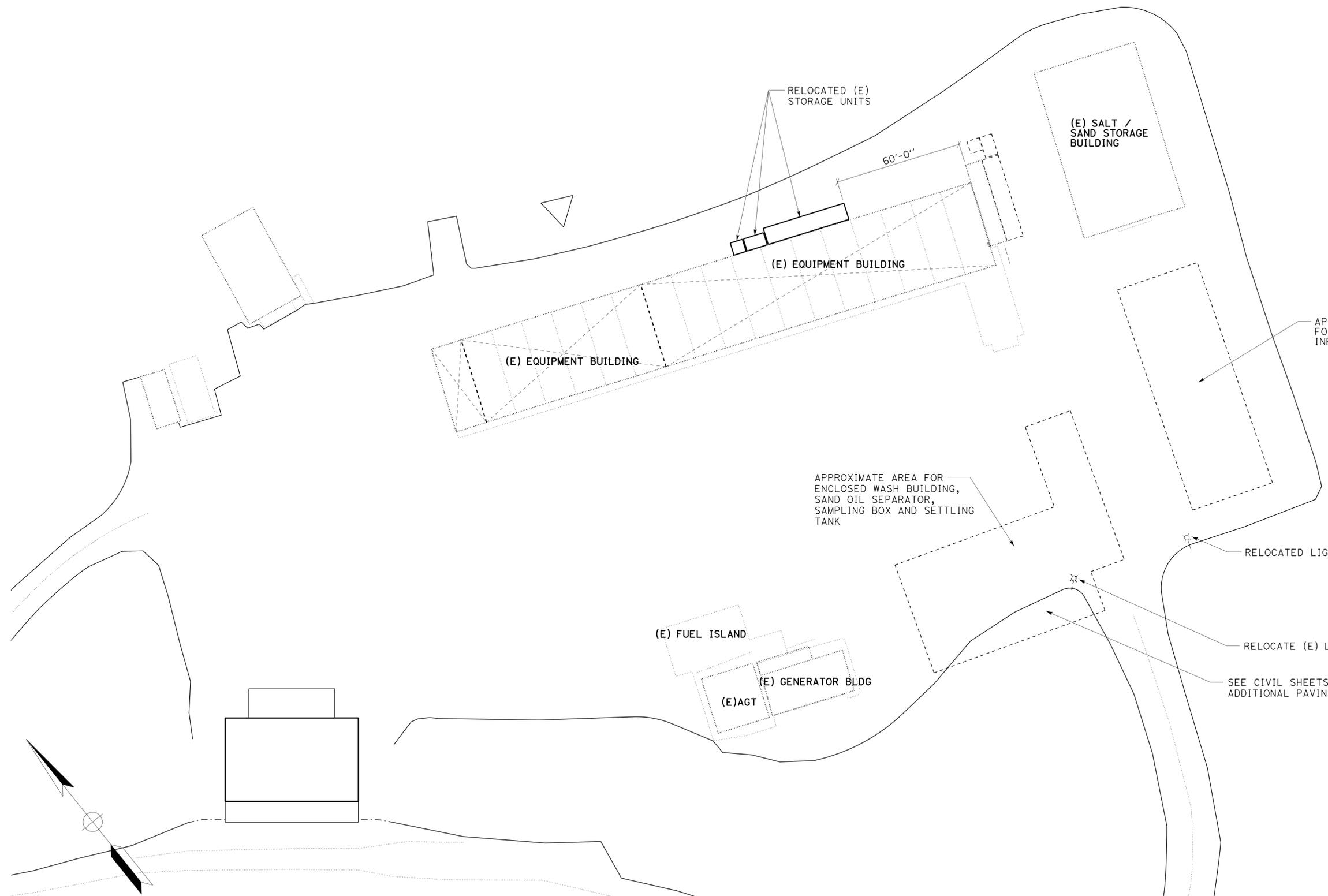
27-SEP-2013 16:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	29	187

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrids P. Castano</i> INGRIDS P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



SITE REMOVAL PLAN
NO SCALE

A2-01.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 12:18	DESIGN BY Anthony Manansala CHECKED Donald Alsey DETAILS BY Anthony Manansala CHECKED Donald Alsey QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5729 POST MILE PEDDLER HILL M.S.	DISTRICT 10 WASH RACKS PHASE 2 SITE REMOVAL PLAN	SHEET OF A2-01
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181 EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 04-13-12 05-25-12	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X	

23-SEP-2013 12:18

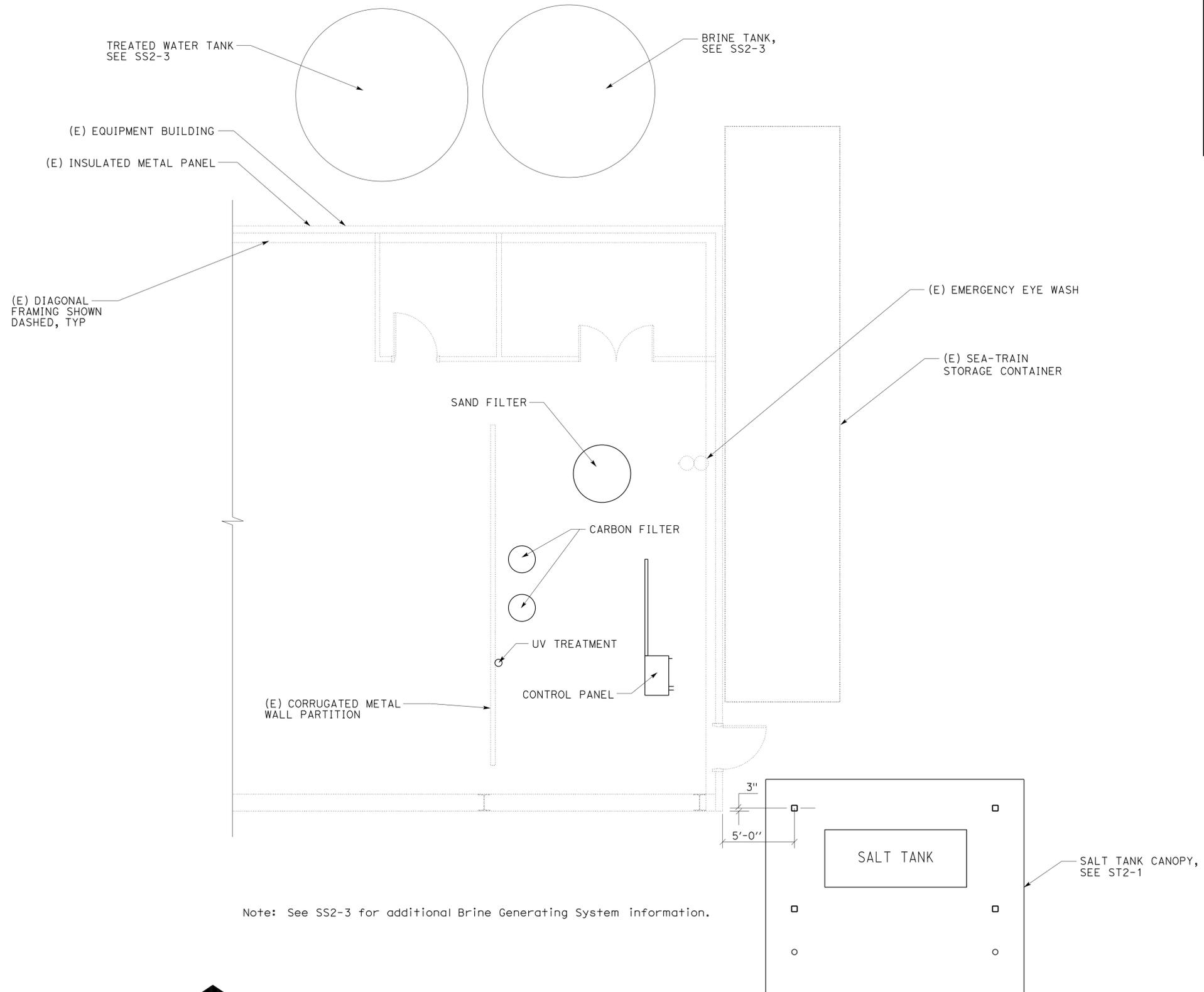
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	30	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: Y. A. WANG Date: 04-11-13	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: INGRID P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
---	---



EQUIPMENT BAY MODIFIED PLAN
SCALE 1/4" = 1'-0"

DESIGN	BY Anthony Manansala	CHECKED Donald Alsey
DETAILS	BY Anthony Manansala	CHECKED Donald Alsey
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5729
POST MILE	

DISTRICT 10 WASH RACKS PHASE 2
PEDDLER HILL M.S.
EQUIPMENT BAY PLAN

SHEET **A2-02**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	31	187

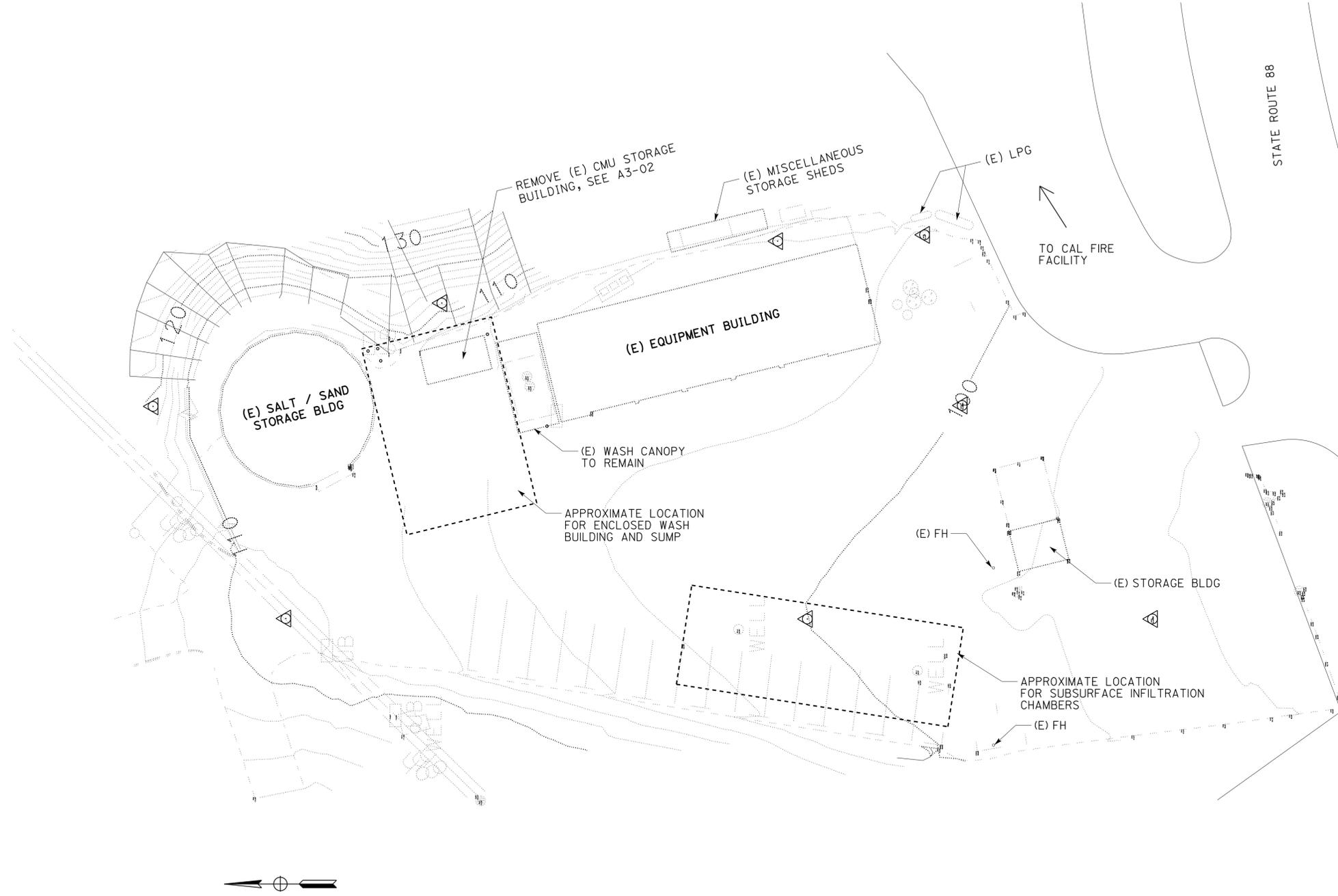
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	Reviewed by: <i>Donald P. Castano</i> DONALD P. CASTANO Approval date: 04-10-13
CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030	



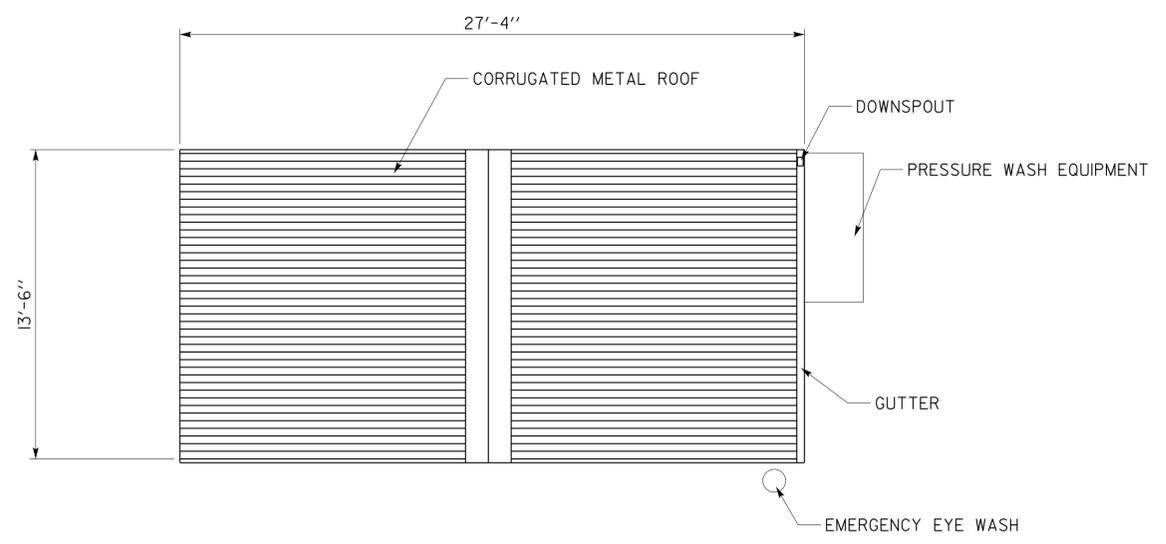
PINE GROVE MS SITE REMOVAL PLAN
 NO SCALE

A3-01.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 07:40	DESIGN BY Anthony Manansala CHECKED Donald Alsey DETAILS BY Anthony Manansala CHECKED Donald Alsey QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718 POST MILE PINE GROVE M.S.	DISTRICT 10 WASH RACKS PHASE 2 SITE REMOVAL PLAN	SHEET OF A3-01
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181 EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 05-25-12	SHEET OF X X	

23-SEP-2013 07:40

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	32	187

7-22-13
 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.

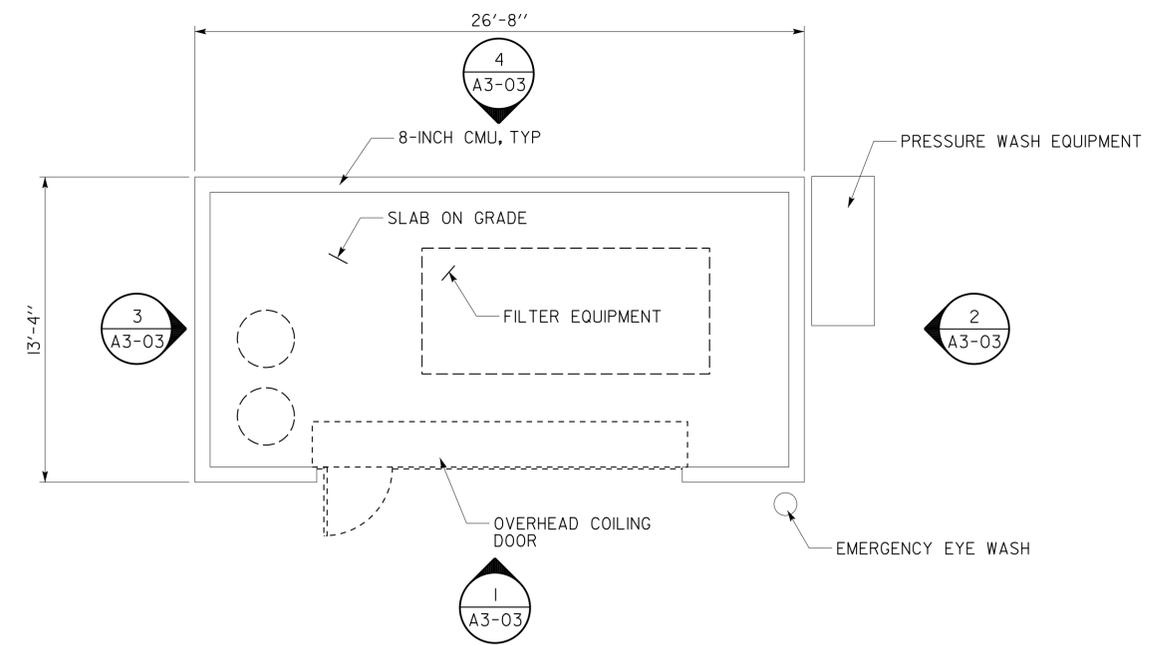


REMOVAL ROOF PLAN

SCALE 1/4" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrids P. Castano</i> INGRIDS P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---

Notes:
 Remove existing Storage Building in its entirety including but not limited to foundation, exterior CMU walls, coiling overhead door frame, door, metal roof framing, corrugated metal roof, gutter and downspout, electrical, lighting, emergency eye wash, plumbing, wash equipment and filter equipment at the direction of the Engineer.



REMOVAL PLAN

SCALE 1/4" = 1'-0"

A3-02.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	DISTRICT 10 WASH RACKS PHASE 2 PINE GROVE M.S.	STORAGE BUILDING REMOVAL PLAN	SHEET OF A3-02
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE			
23-SEP-2013 07:40	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF X X	A3-02.dgn	

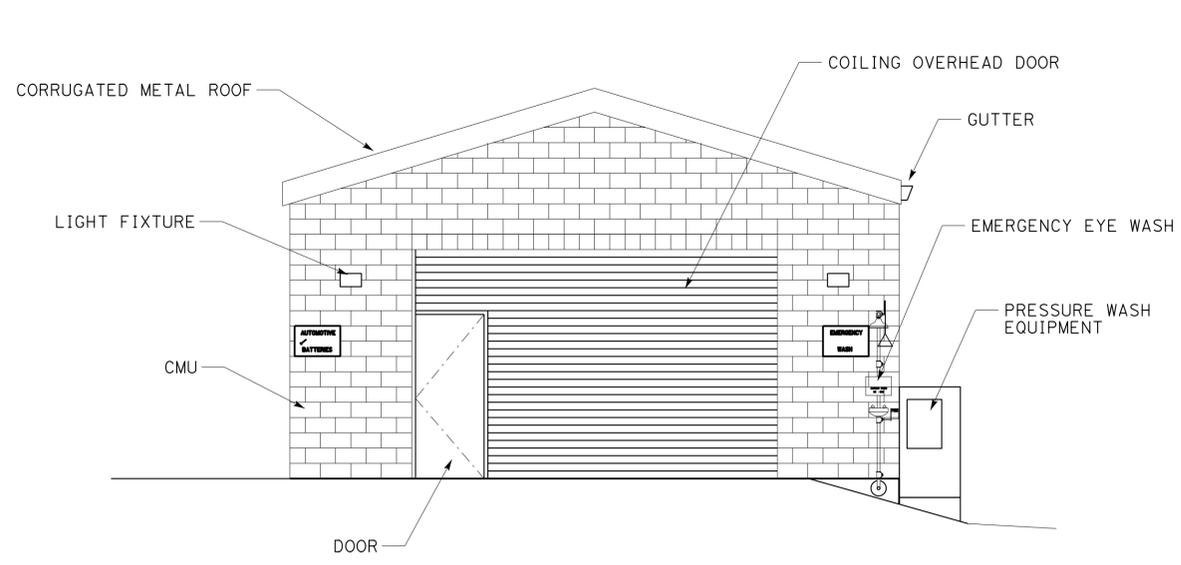
23-SEP-2013 07:40

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	33	187

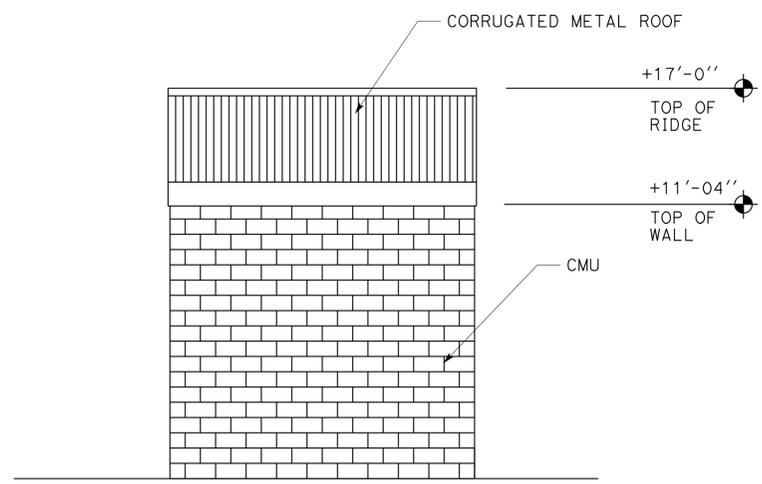
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.



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

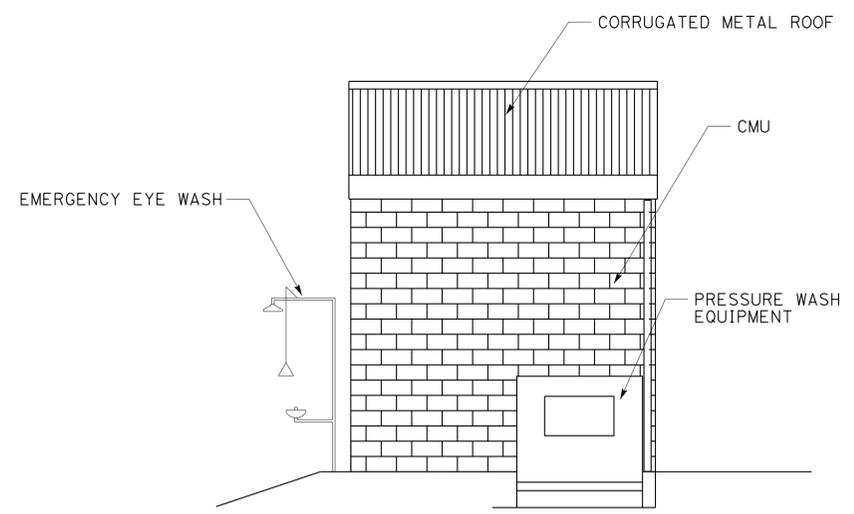


ELEVATION
 SCALE 1/4" = 1'-0"

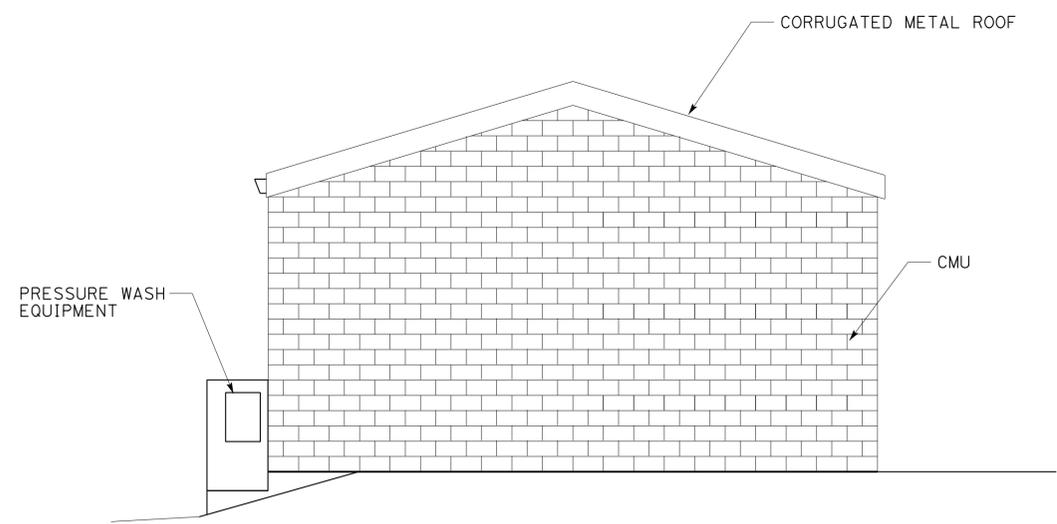
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 1012000181
 Reviewed by: *Y. A. WANG*
 Date: 04-11-13

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: *Ingrid P. Icasiano*
 INGRID P. ICASIANO
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

Notes:
 Remove existing Storage Building in its entirety including but not limited to foundation, exterior CMU walls, coiling overhead door frame, door, metal roof framing, corrugated metal roof, gutter and downspout, electrical, lighting, emergency eye wash, plumbing, wash equipment and filter equipment at the direction of the Engineer.



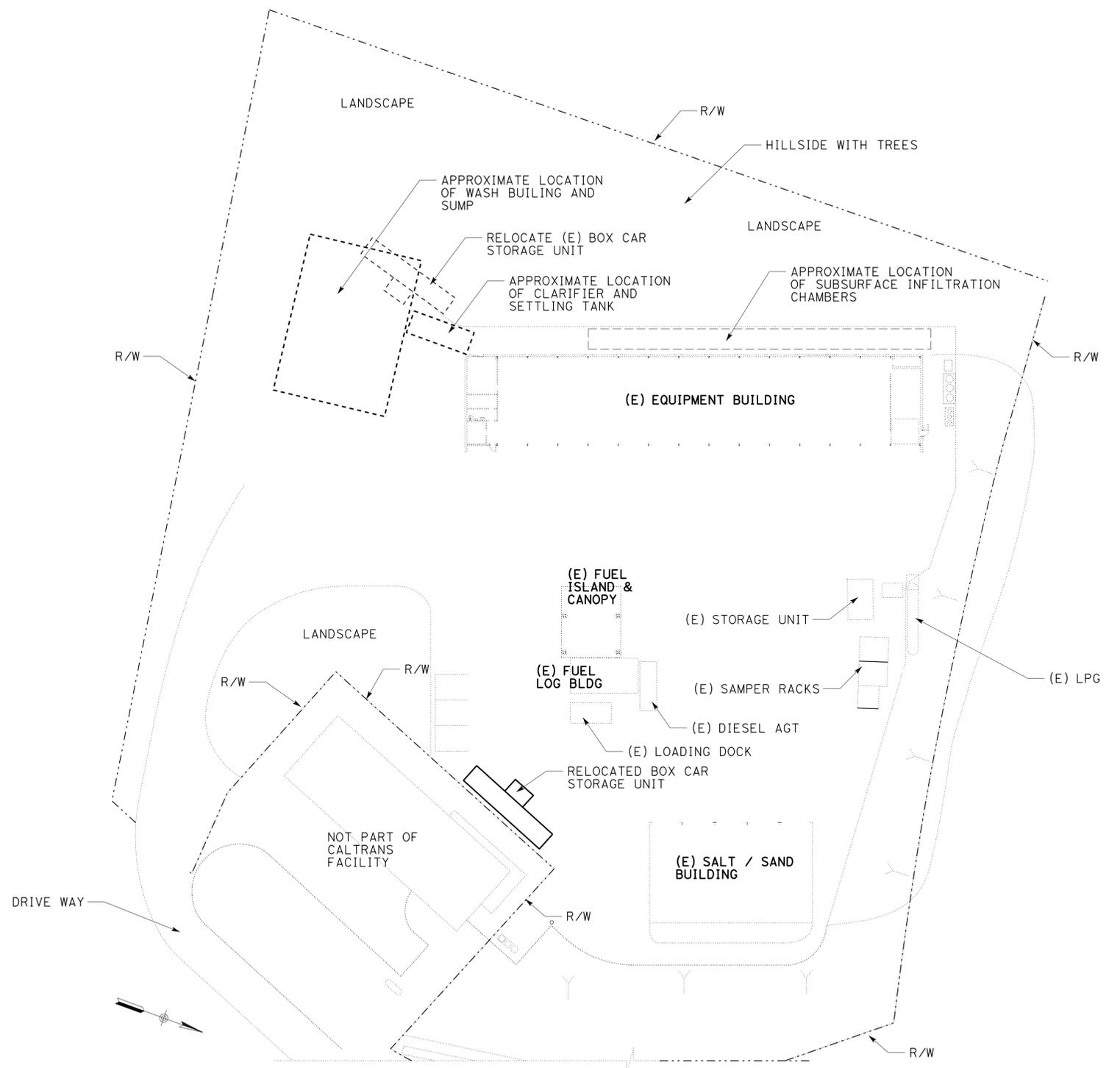
ELEVATION
 SCALE 1/4" = 1'-0"



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

A3-03.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	DISTRICT 10 WASH RACKS PHASE 2	SHEET OF A3-03
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE PINE GROVE M.S.		
23-SEP-2013 08:02	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	34	187
LICENSED ARCHITECT <i>Anthony Manansala</i> 11/16/2012 DATE			LICENSED ARCHITECT ANTHONY MANANSALA No. C 32260 4/30/2015 Exp. STATE OF CALIFORNIA		
7-22-13 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.					



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Casiano</i> Ingrid P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---

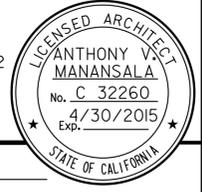
CAMP CONNELL M.S. SITE REMOVAL PLAN
NO SCALE

A4-01.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5726	DISTRICT 10 WASH RACKS PHASE 2 CAMP CONNELL M.S.	REMOVAL SITE PLAN	SHEET OF A4-01
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE			
23-SEP-2013 07:40	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12 05-25-12	X X	

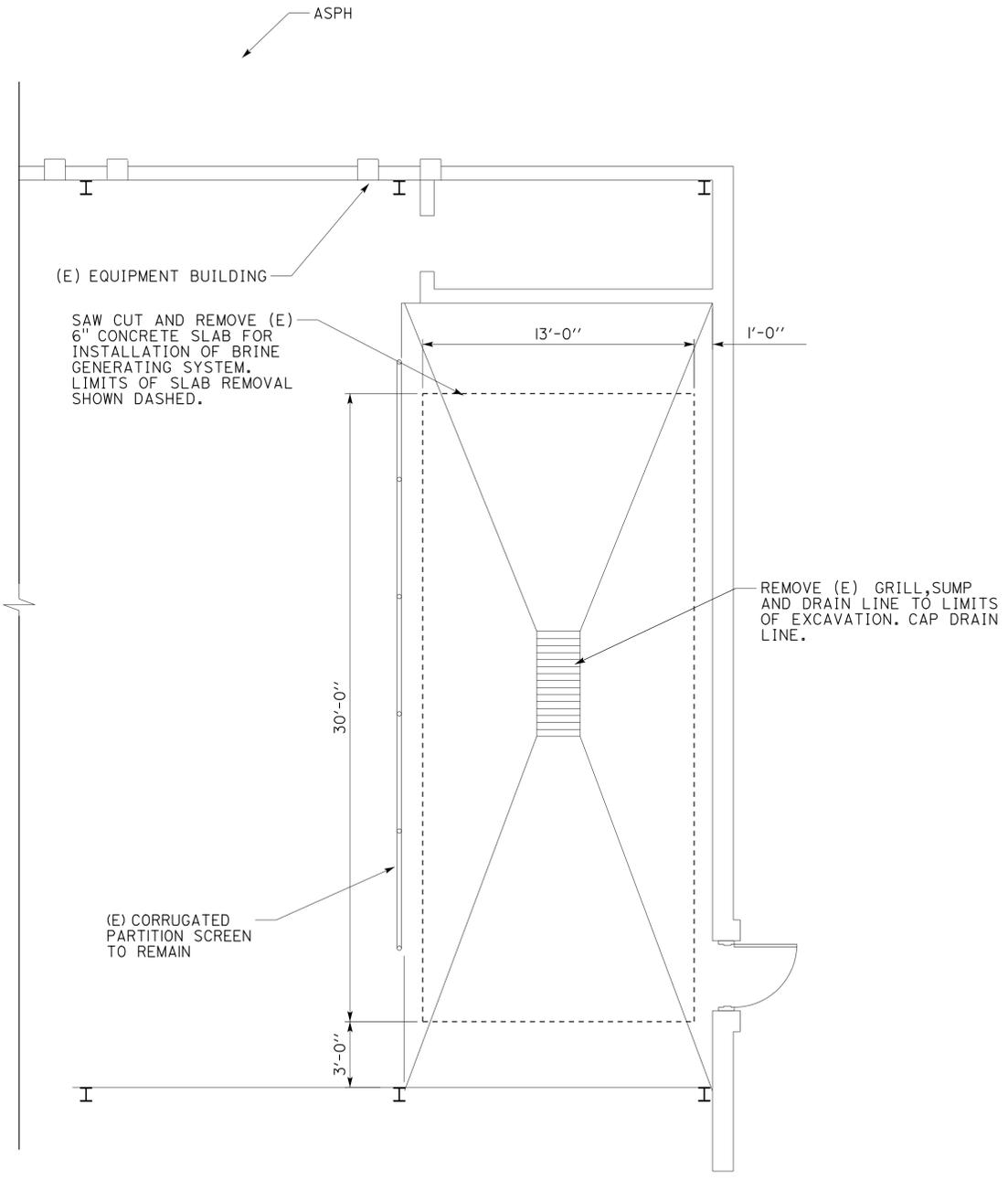
23-SEP-2013 07:40

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	35	187

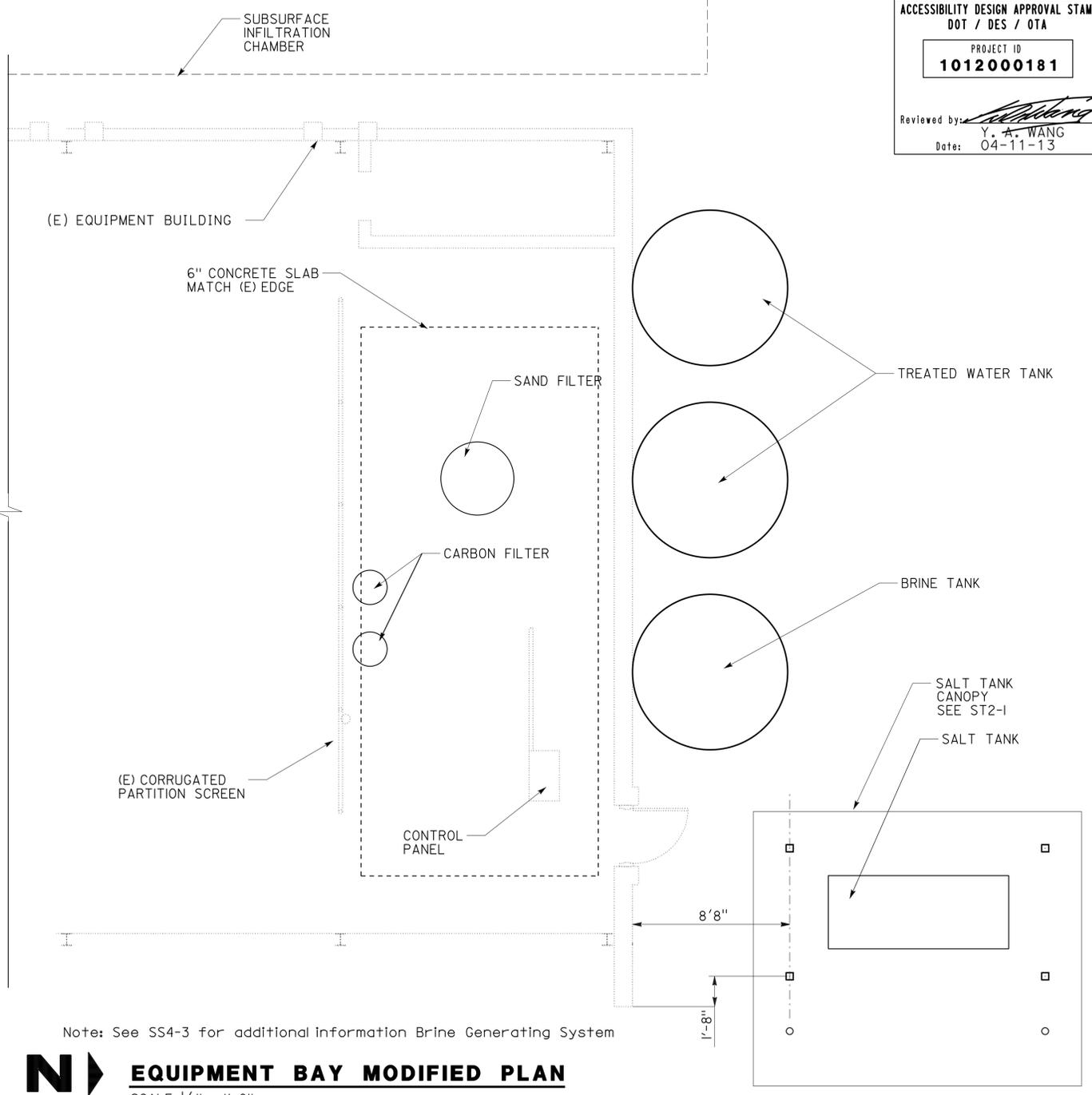
7-22-13
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> INGRID P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
---	---



EQUIPMENT BAY REMOVAL PLAN
 SCALE 1/4" = 1'-0"
 PLAN NORTH



EQUIPMENT BAY MODIFIED PLAN
 SCALE 1/4" = 1'-0"
 PLAN NORTH

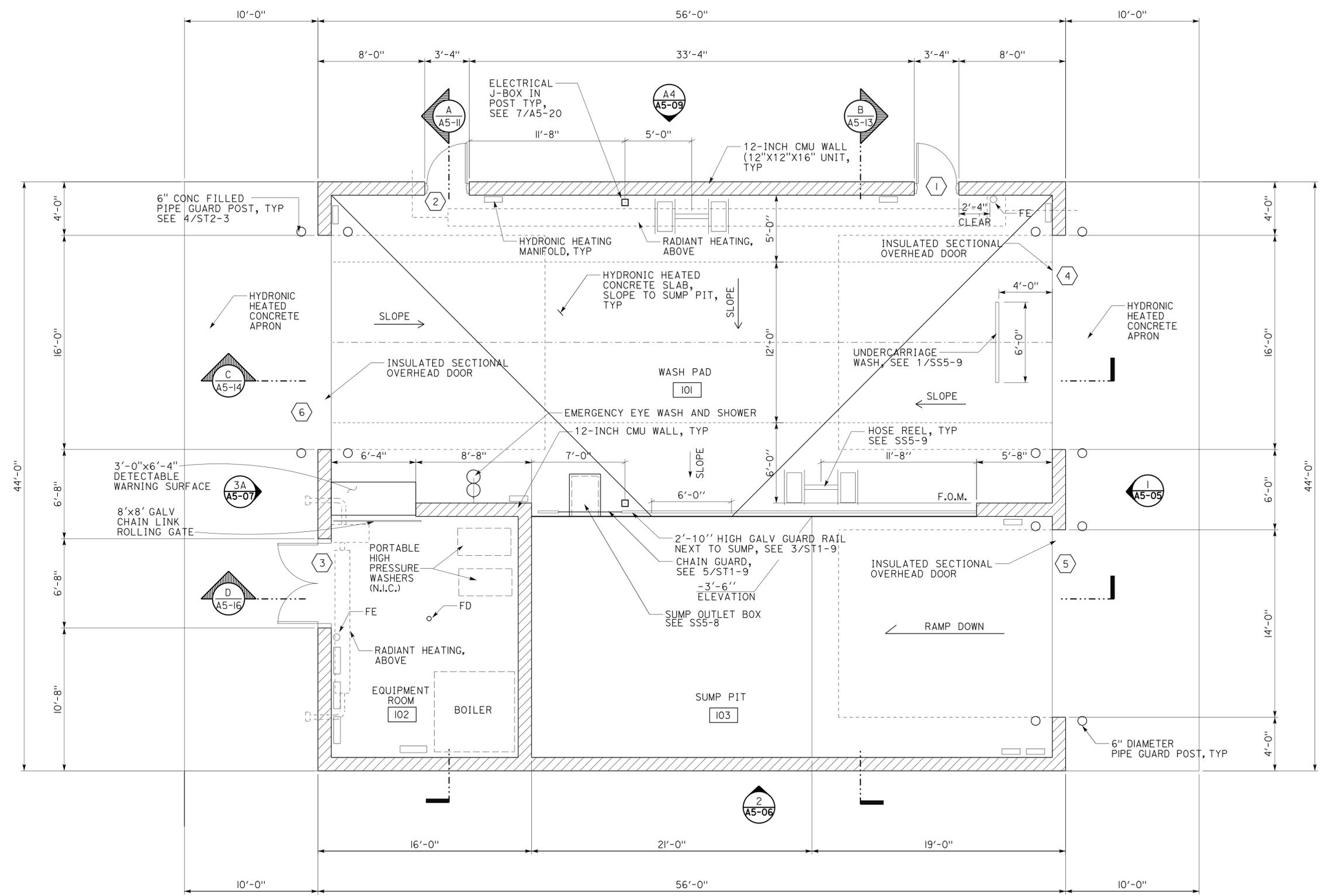
Note: See SS4-3 for additional information Brine Generating System

A4-02.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2		SHEET OF A4-02
	DETAILS	BY Anthony Manansala	CHECKED Donald Alsey			POST MILE	CAMP CONNELL M.S.	EQUIPMENT BAY PLAN	
23-SEP-2013 07:41	QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE	3600 1012000181	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 04-13-12 05-25-12		X X	

23-SEP-2013 07:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	36	187

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> INGRID P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
---	---

Note: Elevations set to Datum 0'-0" at Finished Floor. See Civil sheets for Pad Elevations, typical all locations.

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

See GP Sheets for building orientation

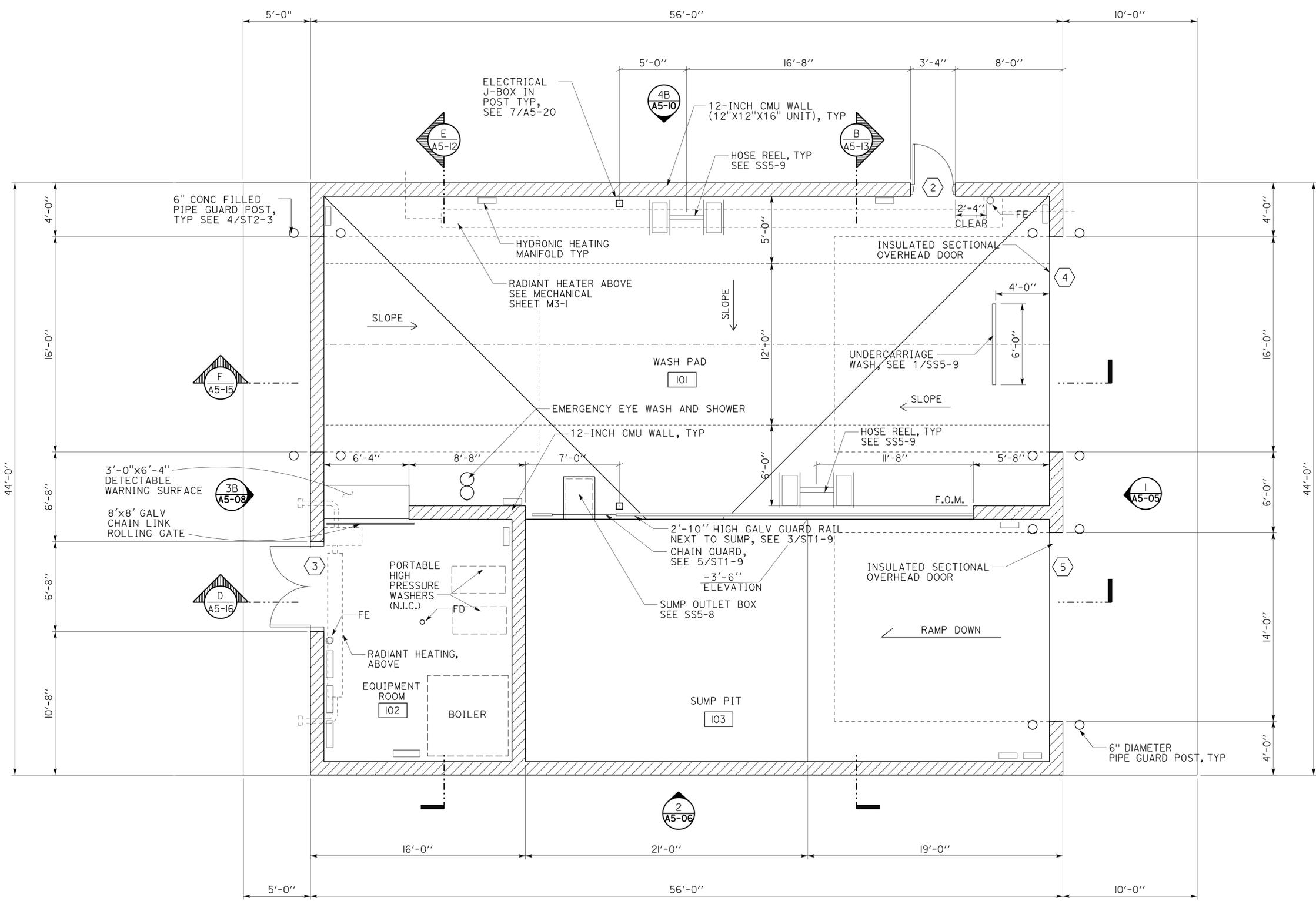
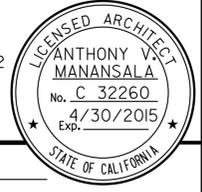
Note: Type A Plan is used at Woodfords Maintenance Station and Peddler Hill Maintenance Station.

A5-01.dgn TAEMWW Imperial Rev. 7/10 01-OCT-2013 05:54	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A PLAN	SHEET OF A5-01
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		
	QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

01-OCT-2013 05:54

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	37	187

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Icastano</i> INGRID P. ICASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---

Note: Pine Grove Maintenance Station does not receive a Hydronic Heating System.

Note: Elevations set to Datum 0'-0" at Finished Floor. See Civil sheets for Pad Elevations, typical all locations.

See GP Sheets for building orientation

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

Note: Type B Plan is used at Pine Grove Maintenance Station and Camp Connell Maintenance Station.

A5-02.dgn TAEMWW Imperial Rev. 7/10 01-OCT-2013 05:54	DESIGN	BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2	SHEET
	DETAILS	BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		WASH BUILDING TYPE B
QUANTITIES	BY		CHECKED		PROJECT NUMBER & PHASE 3600 1012000181	UNIT	DISREGARD PRINTS BEARING EARLIER REVISION DATES	PLAN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	EA 0X2101	REVISION DATES (PRELIMINARY STAGE ONLY)	04-13-12 04-23-12	SHEET OF X X

01-OCT-2013 05:54

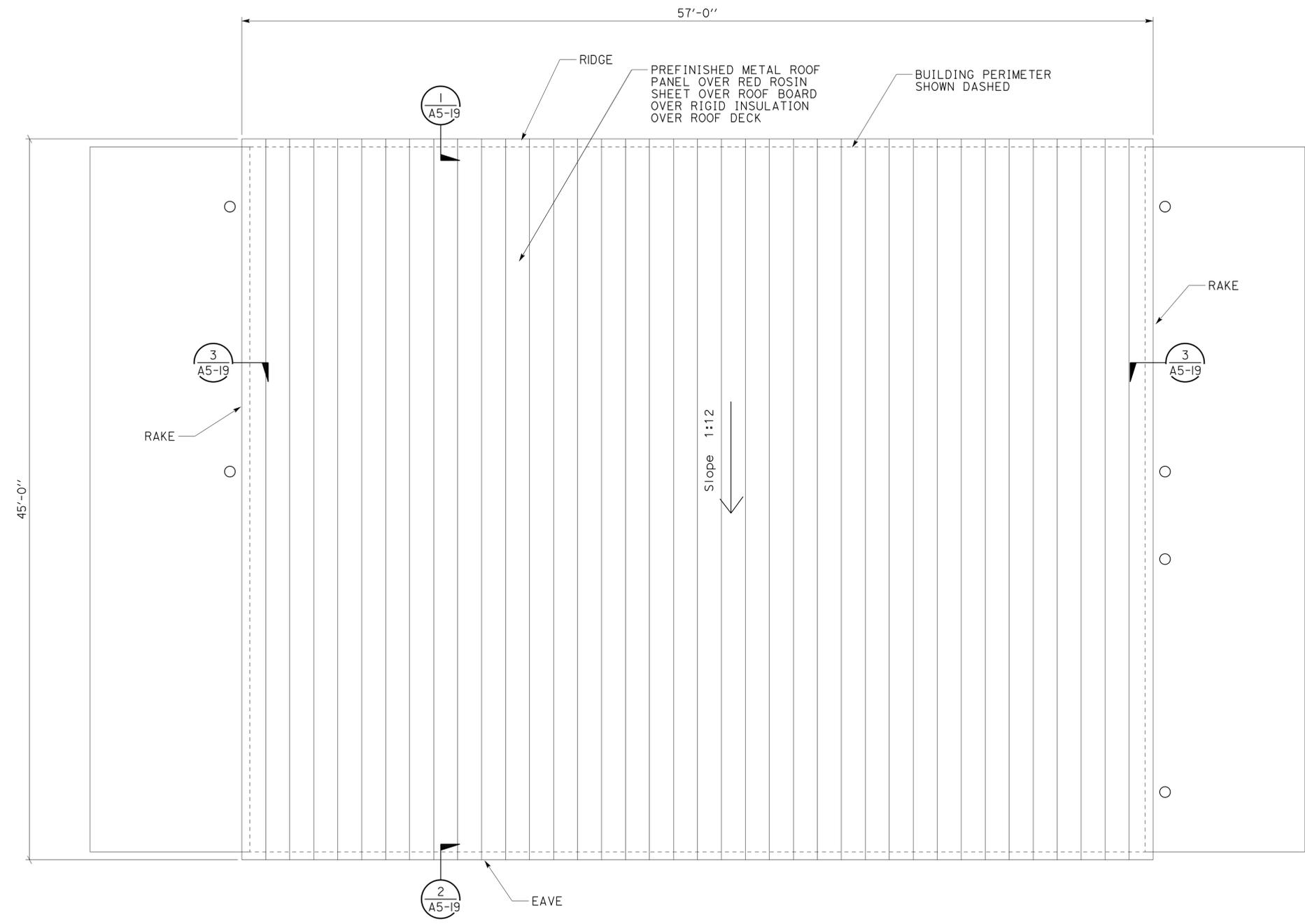
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	38	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA	CALIFORNIA STATE FIRE MARSHAL APPROVED
PROJECT ID 1012000181	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	Reviewed by: <i>Ingrid P. Casiano</i> INGRID P. CASIANO Approval date: 04-10-13
	CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

See GP Sheets for building orientation

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

A5-03.dgn TAEMWW Imperial Rev. 7/10 01-OCT-2013 05:54	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		ROOF PLAN
QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181 EA 0X2101		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	04-13-12 05-25-12	X X

01-OCT-2013 05:54

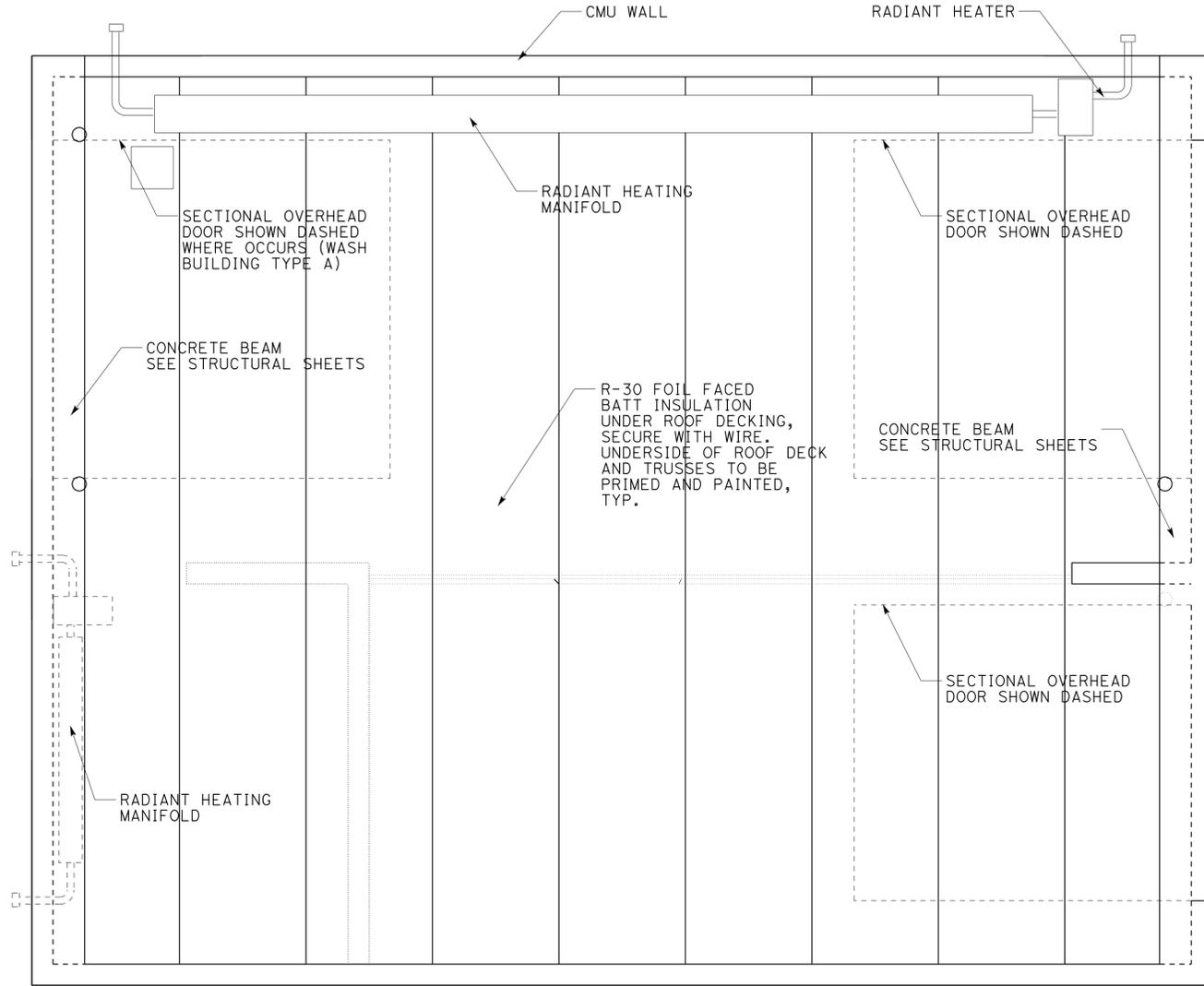
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	39	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrit P. Casiano</i> INGRIT P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---

See GP Sheets for building orientation

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

A5-04.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B	REFLECTED CEILING PLAN	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE			REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 05-25-12
23-SEP-2013 07:41	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES			A5-04.dgn

23-SEP-2013 07:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	40	187

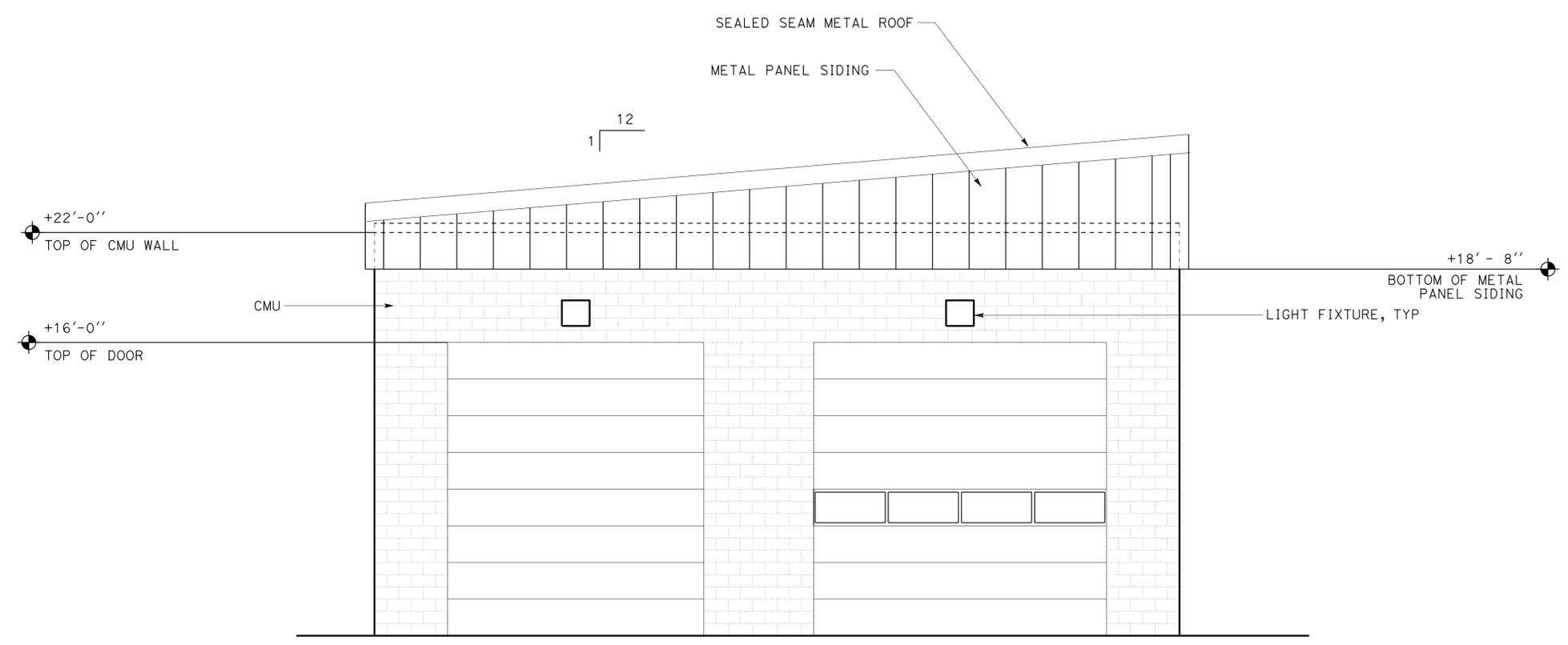
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrit P. Icastano</i> INGRIT P. ICASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



① **ELEVATION**
SCALE 1/4" = 1'-0"

A5-05.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 07:41	DESIGN BY Anthony Manansala CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B	SHEET OF A5-05 X X
	DETAILS BY Anthony Manansala CHECKED Donald Alsey		PROJECT NUMBER & PHASE 10120001811	POST MILE		
	QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

23-SEP-2013 07:41 A5-05.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	41	187

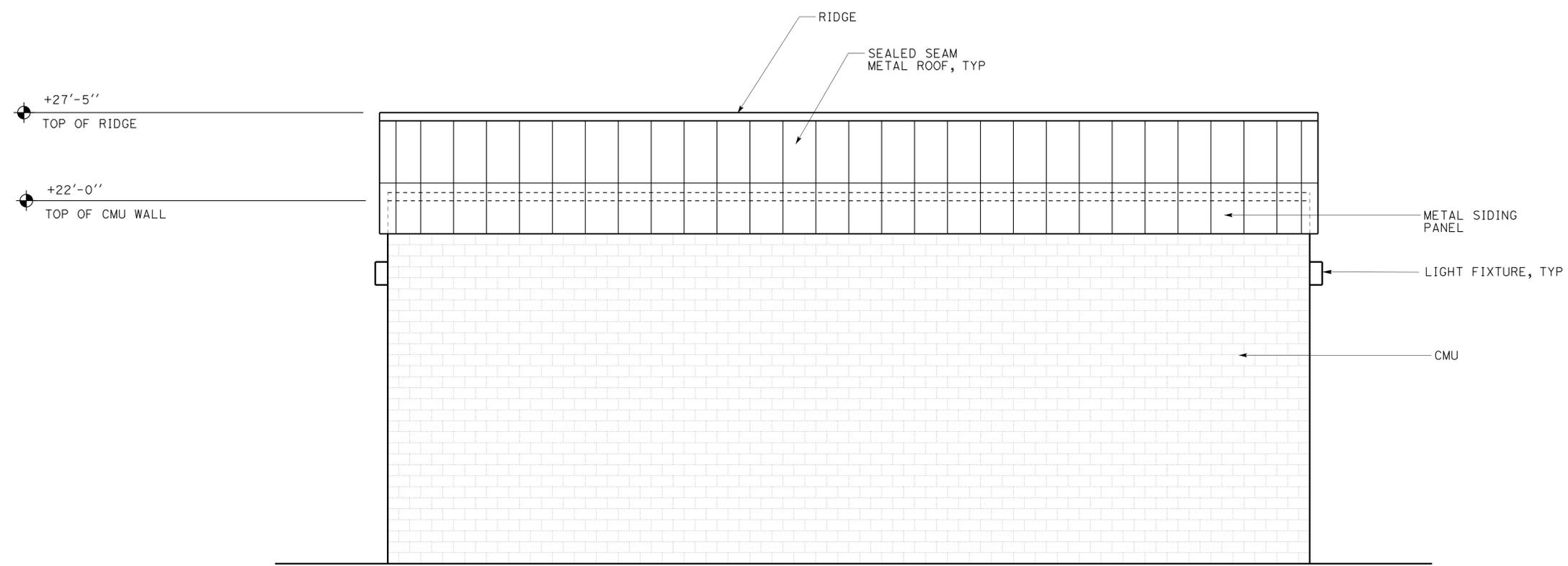
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Casiano</i> INGRID P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



② **ELEVATION**
SCALE 1/4" = 1'-0"

A5-06.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B	EXTERIOR ELEVATION 2	SHEET OF A5-06
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE			
23-SEP-2013 10:59	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101			

23-SEP-2013 10:59 A5-06.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	42	187

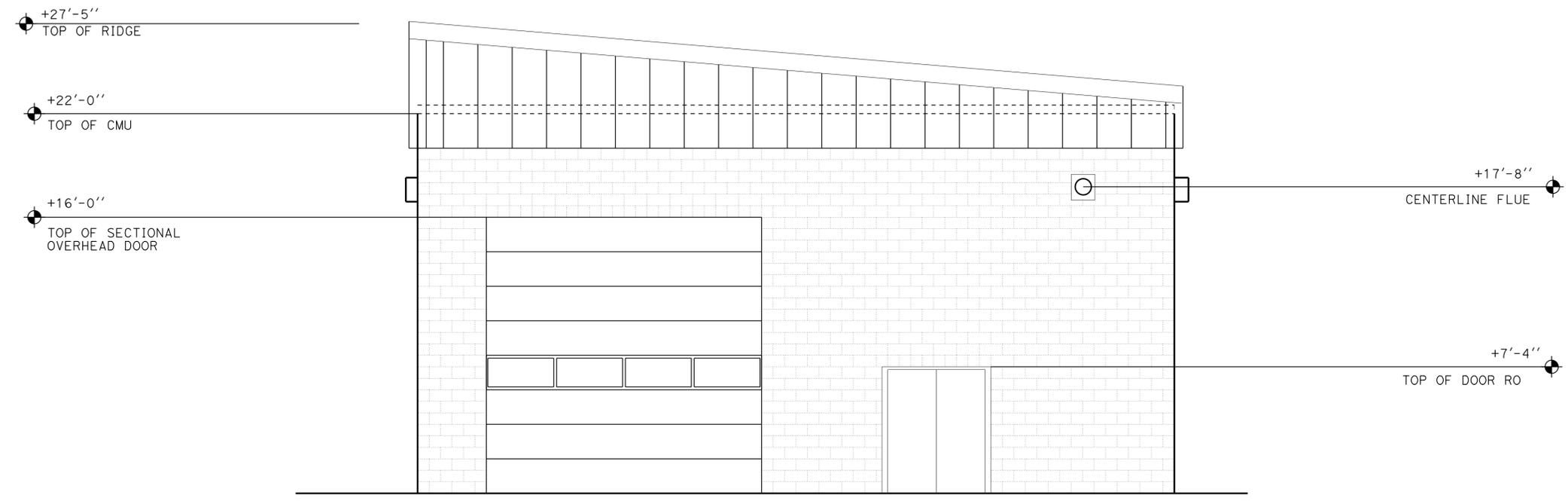
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Casiano</i> INGRID P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



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

Note: Elevation 3A used at Woodfords Maintenance Station, Peddler Hill Maintenance Station.

A5-07.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		EXTERIOR ELEVATION 3A
23-SEP-2013 07:41	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X
			0 1 2 3	EA 0X2101	04-13-12 05-25-12		A5-07.dgn

23-SEP-2013 07:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	43	187

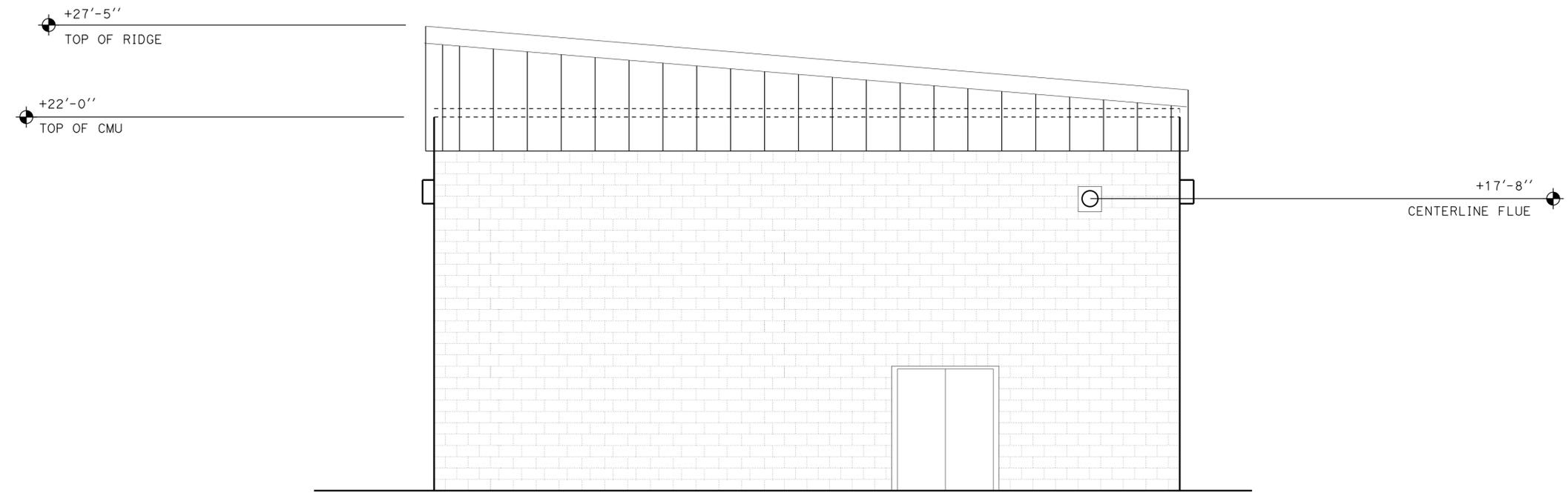
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrids P. Castano</i> INGRIDS P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



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

Note: Elevation 3B used at Pine Grove Maintenance Station, Camp Connell Maintenance Station.

A5-08.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 07:41	DESIGN BY Anthony Manansala CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2		SHEET
	DETAILS BY Anthony Manansala CHECKED Donald Alsey		PROJECT NUMBER & PHASE 1012000181	POST MILE	WASH BUILDING TYPE B	EXTERIOR ELEVATION 3B	A5-08
QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

23-SEP-2013 07:41 A5-08.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	44	187

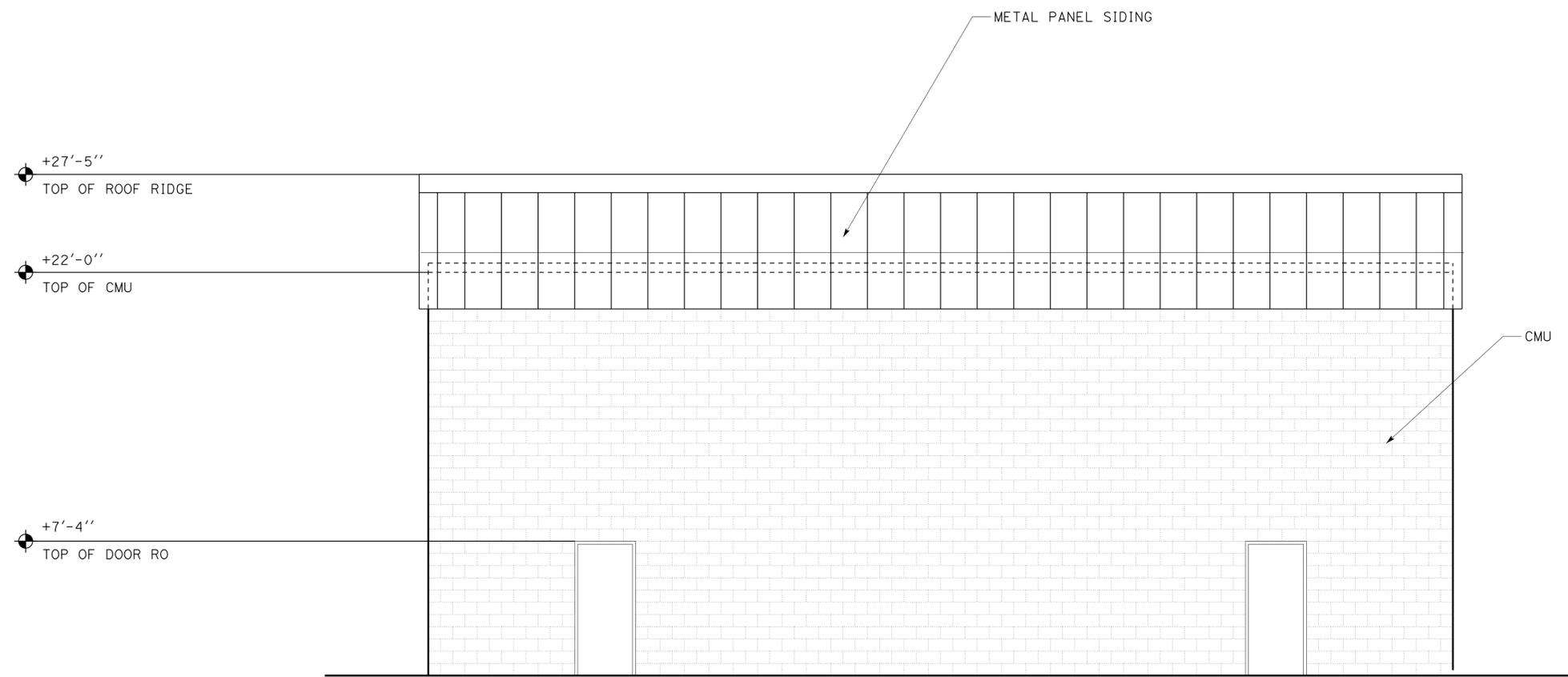
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>David P. Castano</i> INGRID P. CASTANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	--



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

Note: Elevation 4A used at Woodfords Maintenance Station, Peddler Hill Maintenance Station.

A5-09.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2	WASH BUILDING TYPE A	EXTERIOR ELEVATION 4A	SHEET OF A5-09
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE				
23-SEP-2013 07:41	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	04-13-12	05-25-12	SHEET OF X X

23-SEP-2013 07:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	45	187

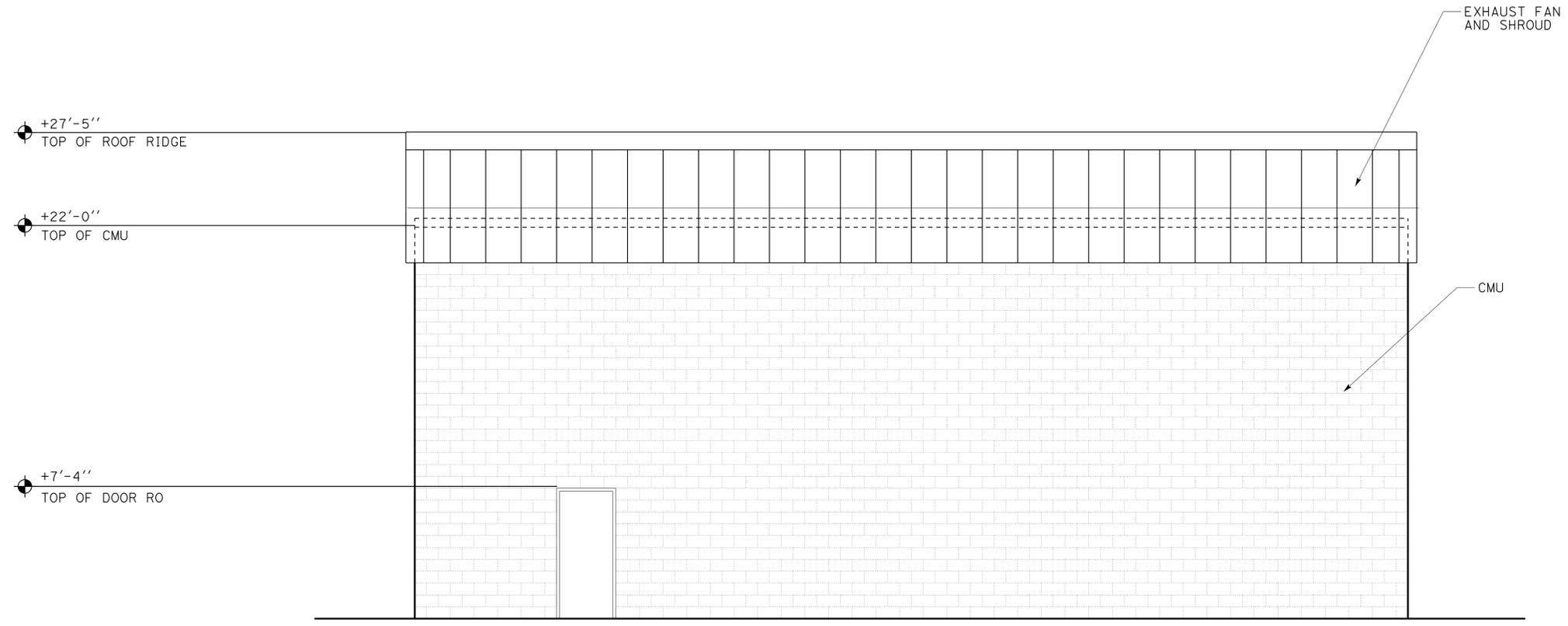
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Icasiano</i> INGRID P. ICASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



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

Note: Elevation 4B used at Pine Grove Maintenance Station, Camp Connell Maintenance Station.

A5-10.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 12:34	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE B	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		EXTERIOR ELEVATION 4B
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-23-12	X X

EA 0X2101

23-SEP-2013 12:34 A5-10.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	46	187

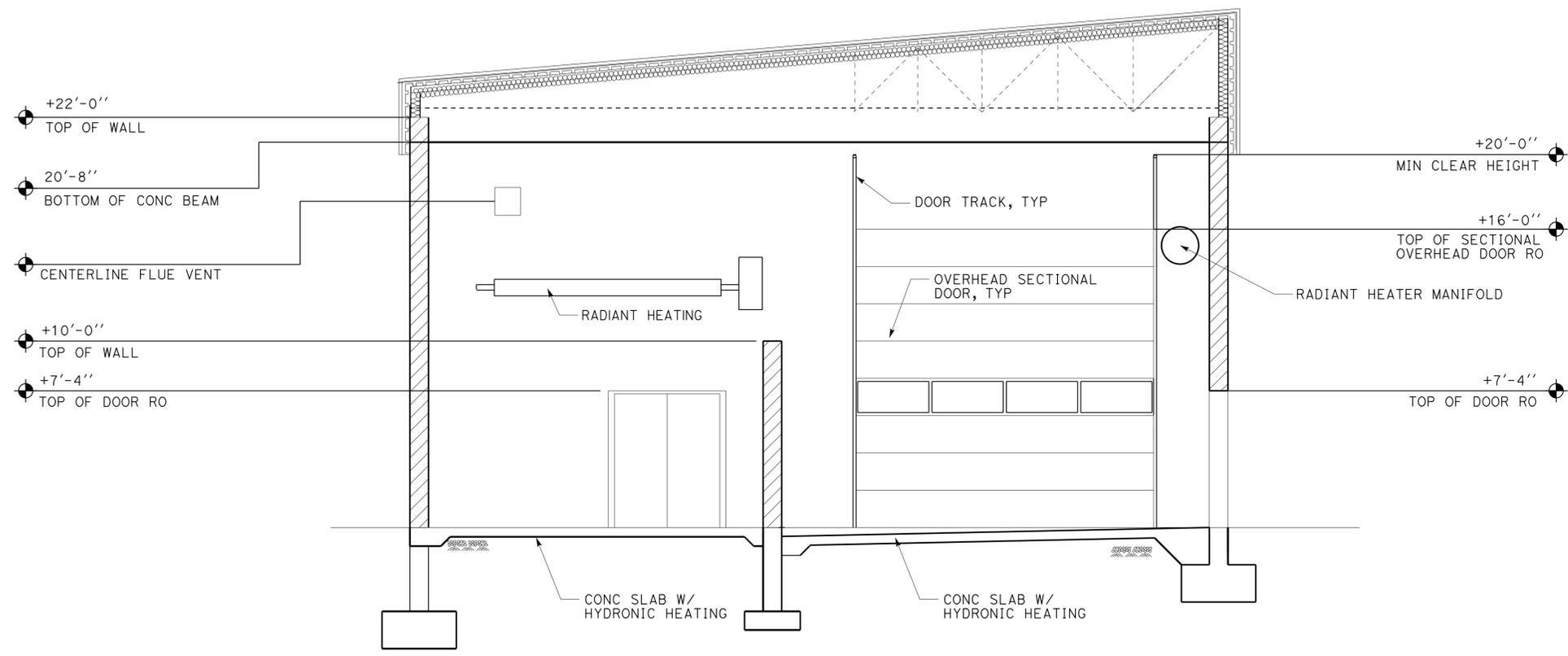
Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrit P. Icasiano</i> INGRIT P. ICASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



SECTION A
SCALE 1/4" = 1'-0"

A5-11.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:07	DESIGN BY Anthony Manansala CHECKED Donald Alsey DETAILS BY Anthony Manansala CHECKED Donald Alsey QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS POST MILE WASH BUILDING TYPE A	DISTRICT 10 WASH RACKS PHASE 2 SECTION A	SHEET OF A5-11
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181 EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-23-12	SHEET OF X X			

23-SEP-2013 08:07

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	47	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1012000181

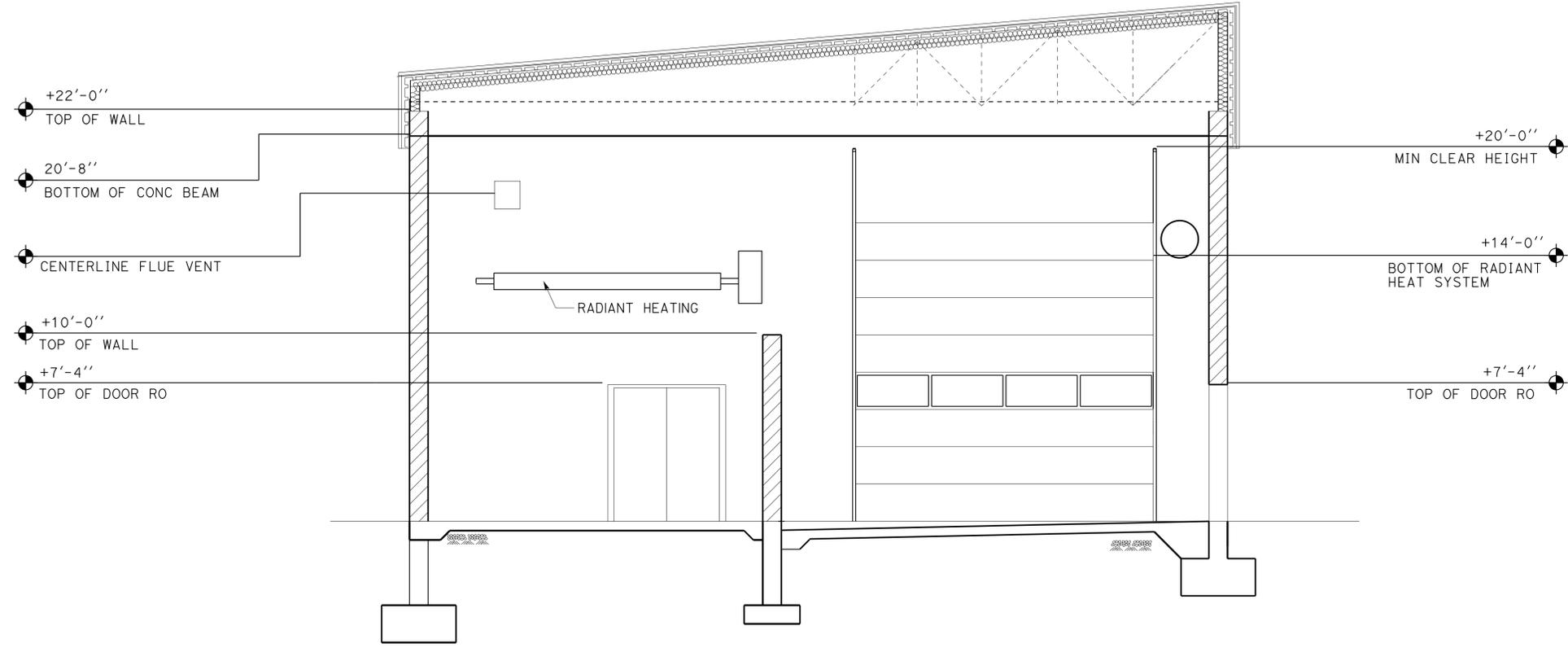
Reviewed by: *Y. A. Wang*
Y. A. WANG
Date: 04-11-13

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: *Ingrid P. Icasiano*
INGRID P. ICASIANO
Approval date: 04-10-13

CSFM No.
N-12-1027, N-12-1028,
N-12-1029, N-12-1030



SECTION E
SCALE 1/4" = 1'-0"

A5-12.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:08	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 SECTION E	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		WASH BUILDING TYPE B
QUANTITIES BY	CHECKED			DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE 3600 1012000181	REVISION DATES (PRELIMINARY STAGE ONLY)	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: EA 0X2101
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 04-13-12, 04-23-12

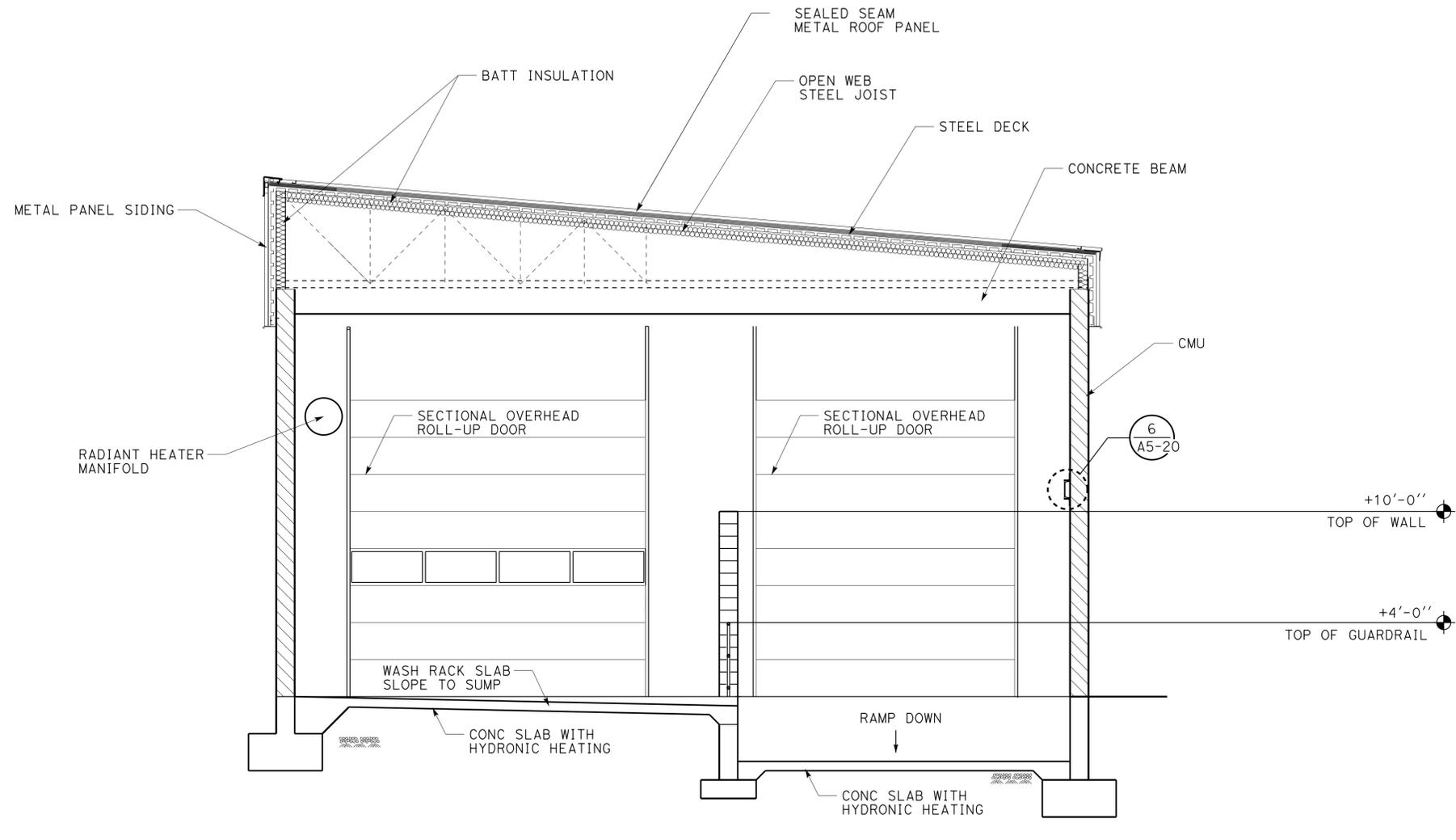
23-SEP-2013 08:08

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	48	187

11/16/2012 DATE
 LICENSED ARCHITECT
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.



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

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID: 1012000181
Reviewed by: Y. A. WANG
Date: 04-11-13

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: INGRID P. ICASIANO
Approval date: 04-10-13
CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

A5-13.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:08	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 SECTION B	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		WASH BUILDING TYPE A, B
QUANTITIES BY	CHECKED			UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES 04-13-12 04-23-12	REVISION DATES (PRELIMINARY STAGE ONLY)	X X

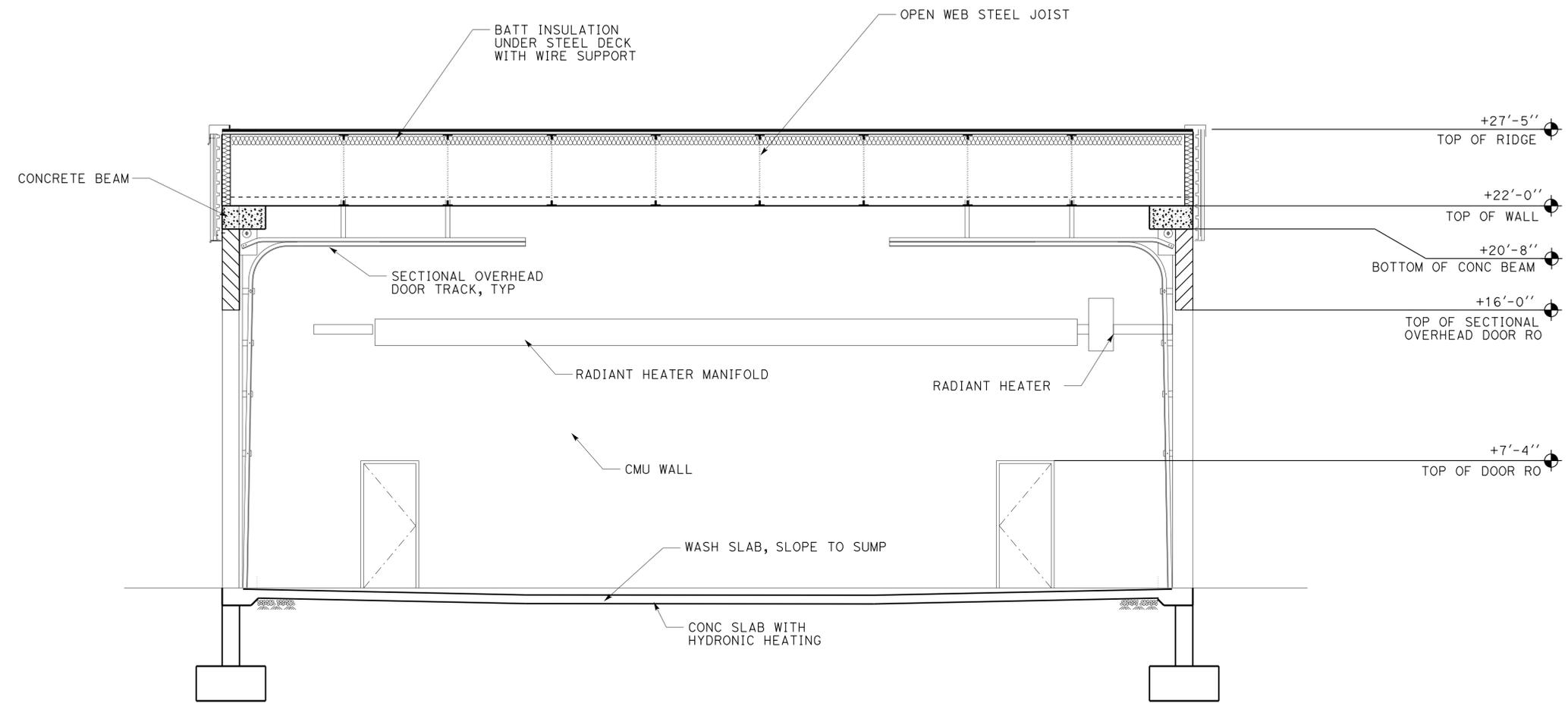
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

EA 0X2101

23-SEP-2013 08:08

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	49	187

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrit P. Casiano</i> INGRIT P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---

SECTION C
SCALE 1/4" = 1'-0"

A5-14.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:08	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 SECTION C	SHEET OF A5-14
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		
QUANTITIES BY	CHECKED			UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-23-12

23-SEP-2013 08:08

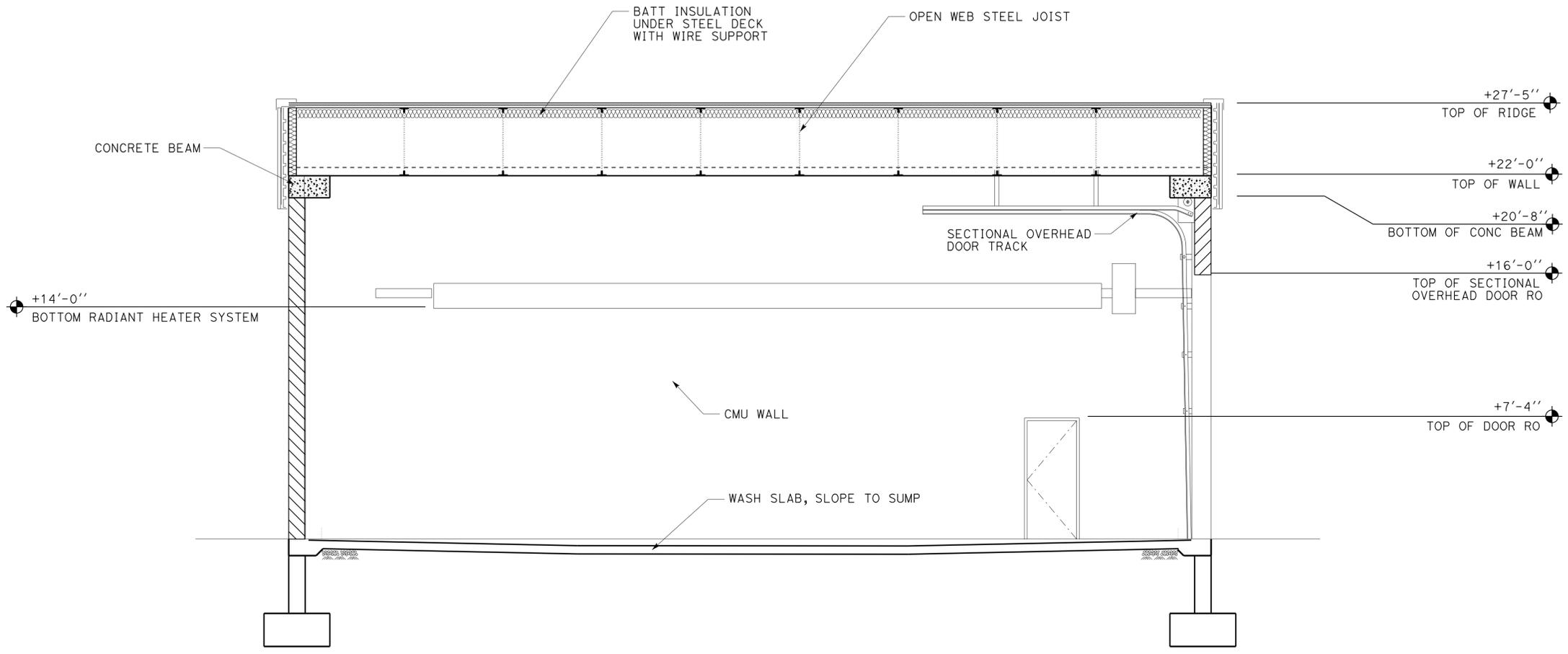
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	50	187

11/16/2012 DATE
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 LICENSED ARCHITECT
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: Y. A. WANG Date: 04-11-13	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: INGRID P. ICASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
---	--



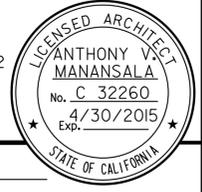
SECTION F
SCALE 1/4" = 1'-0"

A5-15.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:08	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 SECTION F	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		WASH BUILDING TYPE B
QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181 EA 0X2101		DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-23-12	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	SHEET OF X X	

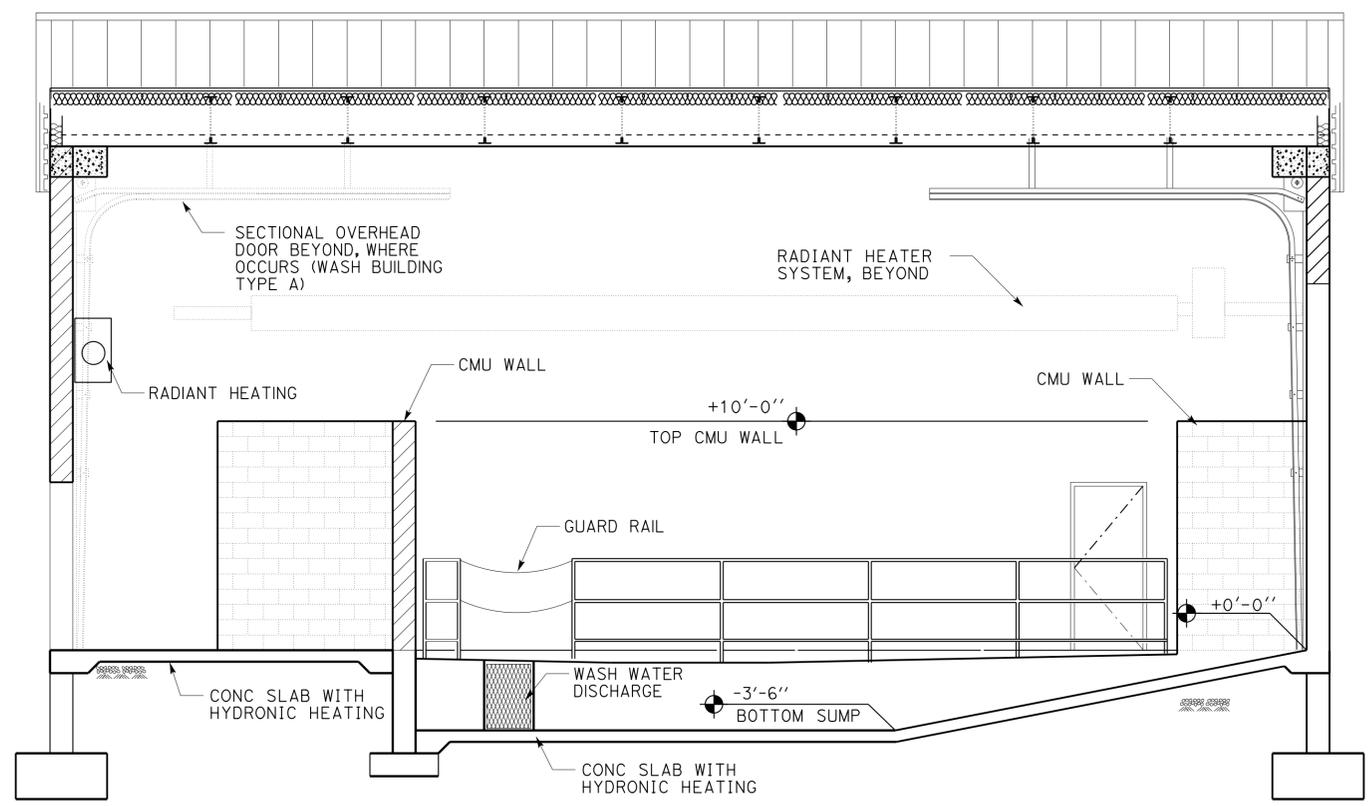
23-SEP-2013 08:08

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	51	187

7-22-13
 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.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Casiano</i> INGRID P. CASIANO Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



SECTION D
SCALE 1/4" = 1'-0"

A5-16.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey			POST MILE		SECTION D
23-SEP-2013 08:08	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 05-25-12	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

23-SEP-2013 08:08 A5-16.dgn

DOOR FRAME AND DOOR SCHEDULE

DOOR No.	DOOR TYPE	OPENING SIZE WIDTH X HGT	DOOR THICK	DOOR		FRAME				LABEL ASSY	HDWR GROUP	GLAZING	LOUVER	SIGN DETAIL NO	DETAILS			REMARKS
				MAT	FIN	MAT	TYPE	FIN	WIDTH						HEAD	JAMB	THLD	
1	A	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	METAL	A	PAINT	8 3/4"		1			2,6/A0-3.3	1 A5-20	2 A5-20	3 A5-20	See Notes: 1, 2, 3
2	A	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	METAL	A	PAINT	8 3/4"		1			2,6/A0-3.3	1 A5-20	2 A5-20	3 A5-20	See Notes: 1, 3
3	B	3'-0" x 7'-0" (PAIR)	1 3/4"	STEEL	PAINT	METAL	B	PAINT	8 3/4"		2			2,6/A0-3.3	4 A5-20	5 A5-20	3 A5-20	See Notes: 1, 3
4	C1	16'-0" x 16'-0"		STEEL	PAINT	METAL		PAINT	8 3/4"			Y	Y		1 A5-21	2 A5-21	3 A5-21	See Notes: 1, 4
5	C2	12'-0" x 16'-0"		STEEL	PAINT	METAL		PAINT	8 3/4"			Y	Y		1 A5-21	2 A5-21	3 A5-21	See Notes: 1, 4
6	C1	16'-0" x 16'-0"		STEEL	PAINT	METAL		PAINT	8 3/4"			Y	Y		1 A5-21	2 A5-21	3 A5-21	See Notes: 1, 2, 4

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	52	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
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.

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1012000181

Reviewed by: *Y. A. Wang*
Y. A. WANG
Date: 04-11-13

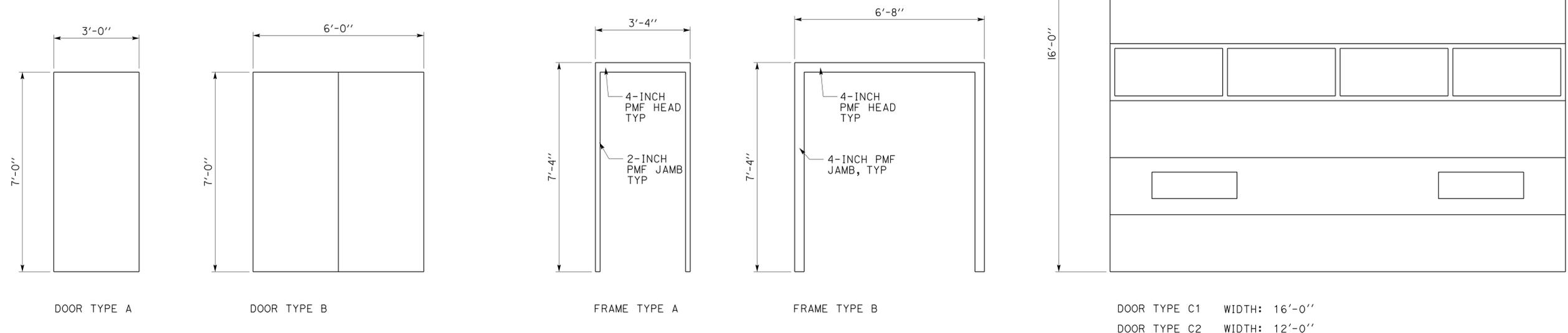
CALIFORNIA STATE FIRE MARSHAL APPROVED

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: *Donald P. Castano*
INGRID P. CASTANO
Approval date: 04-10-13

CSFM No.
N-12-1027, N-12-1028,
N-12-1029, N-12-1030

- Notes:
1. Insulated door.
 2. Wash Building Type A only.
 3. Mount EXIT sign, interior, strike side, +8'-0" FF.
 4. Manually operated louver.



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	54	187

Anthony Manansala 11/16/2012
 LICENSED ARCHITECT DATE
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

7-22-13
 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.

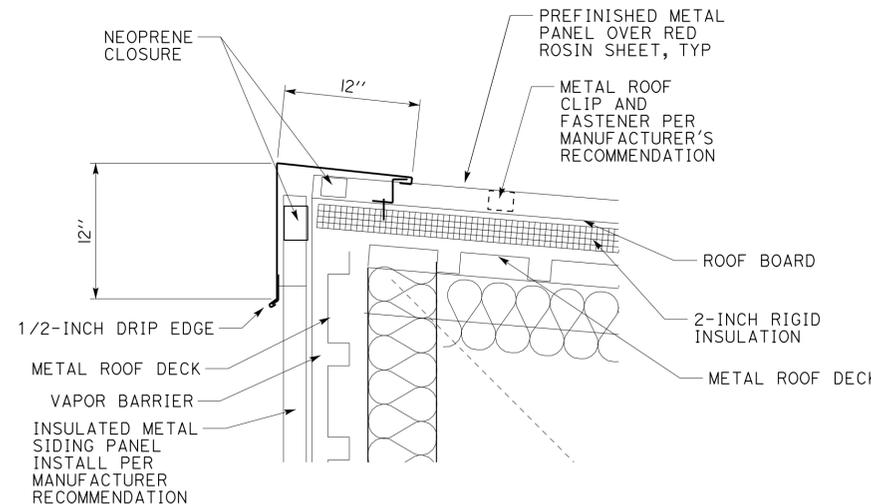
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
1012000181

Reviewed by: *Y. A. Wang*
 Y. A. WANG
 Date: 04-11-13

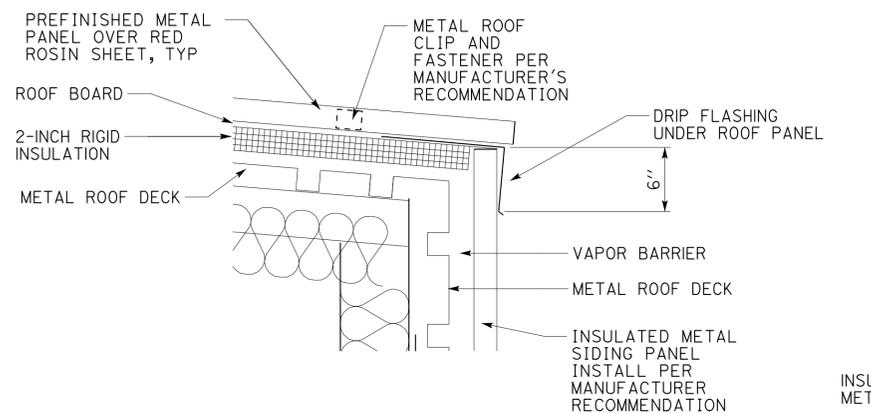
CALIFORNIA STATE FIRE MARSHAL
 APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Ingrid P. Icasiano*
 INGRID P. ICASIANO
 Approval date: 04-10-13

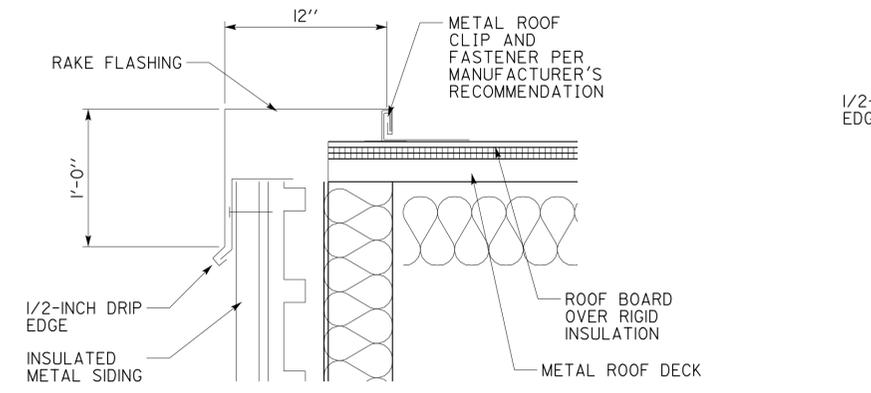
CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



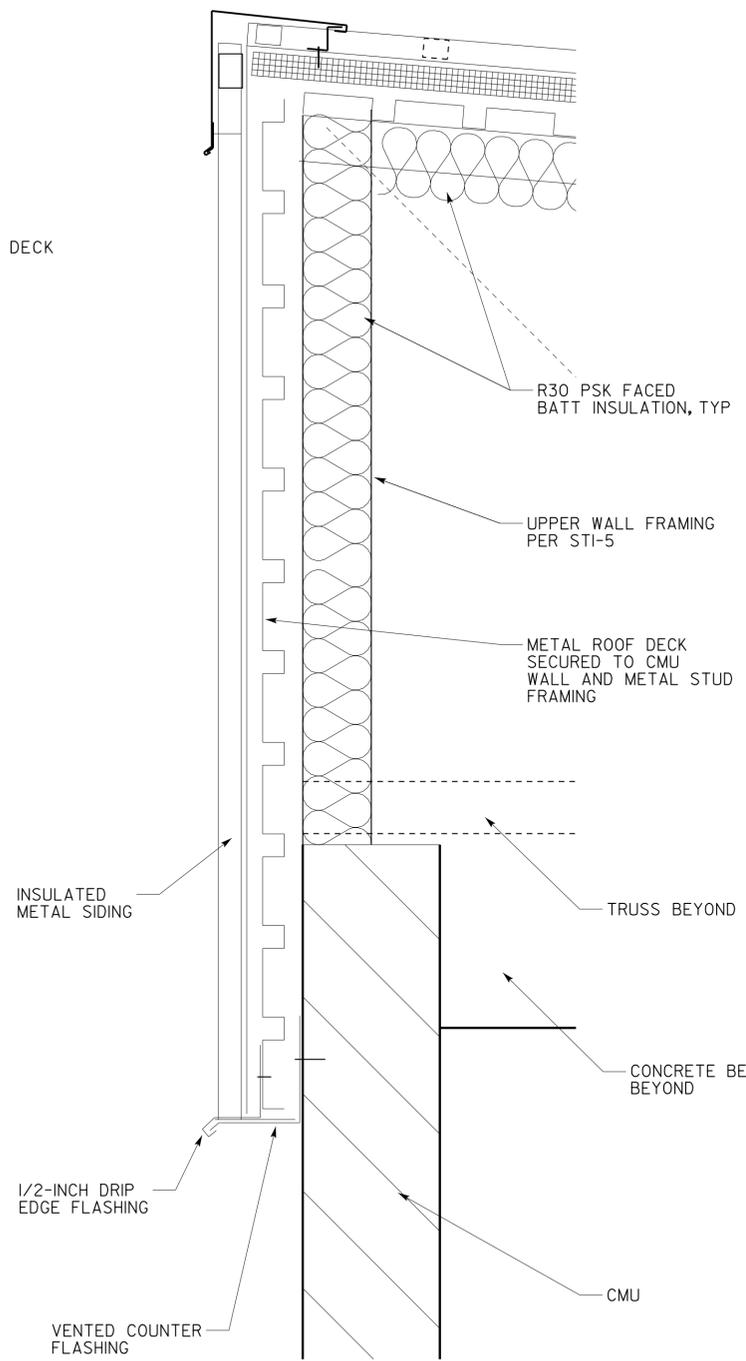
1 RIDGE
 SCALE 1-1/2" = 1'-0"



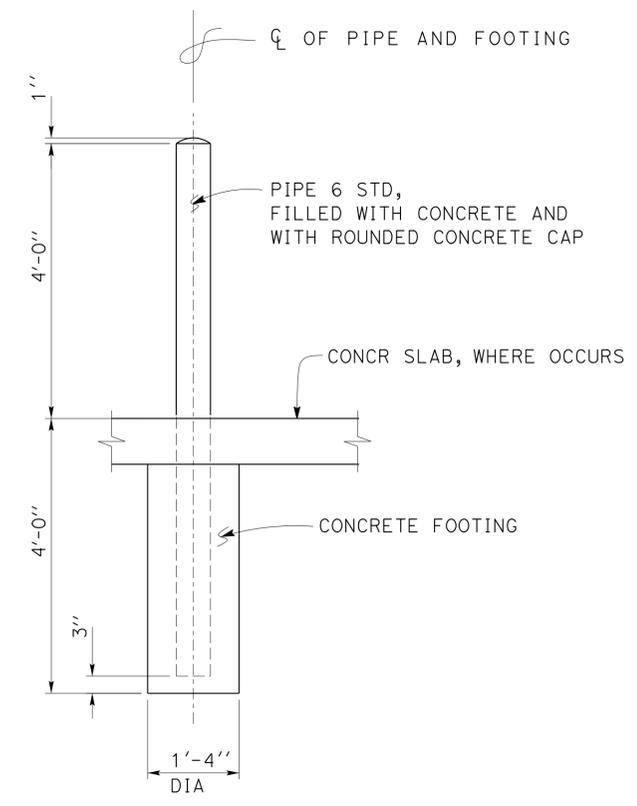
2 EAVE
 SCALE 1-1/2" = 1'-0"



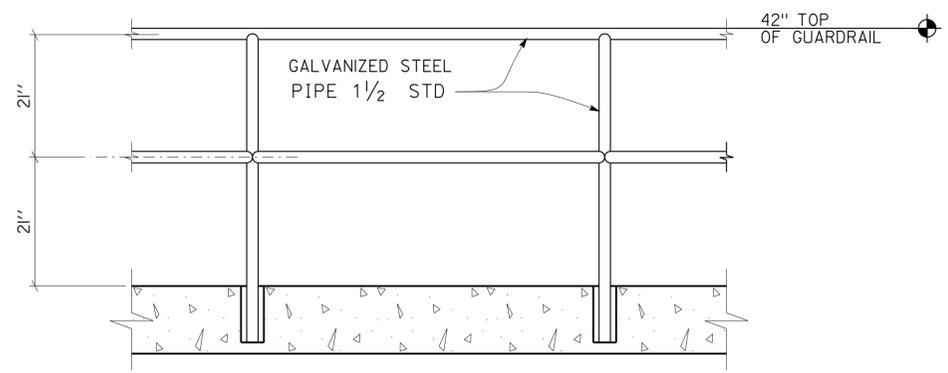
3 RAKE
 SCALE 1-1/2" = 1'-0"



4 INSULATION INSTALLATION
 SCALE 1-1/2" = 1'-0"



6 GUARD POST, TYP
 SCALE 3/4" = 1'-0"



5 GUARDRAIL
 SCALE 3/4" = 1'-0"

Guard post must meet 2010 CFC and NFPA 58 Section 3801, 3003.5, 312, TYP

See 3/STI-9 for additional information

A5-19.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:08	DESIGN BY Anthony Manansala CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B	SHEET OF
	DETAILS BY Anthony Manansala CHECKED Donald Alsey		PROJECT NUMBER & PHASE 3600 1012000181	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES BY CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 1012000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES 04-13-12 04-23-12	SHEET OF X X	

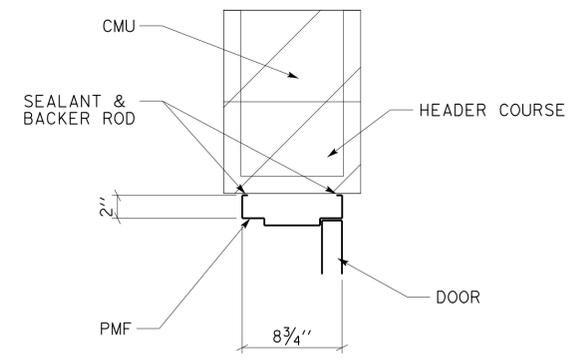
23-SEP-2013 08:08 A5-19.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	55	187

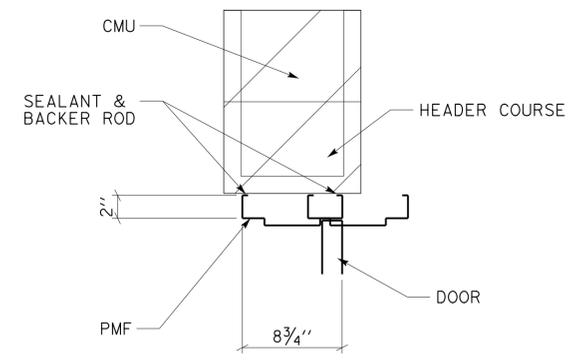
LICENSED ARCHITECT
 ANTHONY MANANSALA
 No. C 32260
 Exp. 4/30/2015
 STATE OF CALIFORNIA

11/16/2012 DATE
 7-22-13 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.

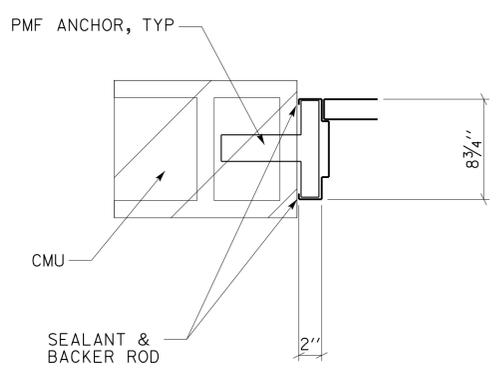
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1012000181 Reviewed by: <i>Y. A. Wang</i> Date: 04-11-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Ingrid P. Icasiano</i> Ingrid P. Icasiano Approval date: 04-10-13 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030
--	---



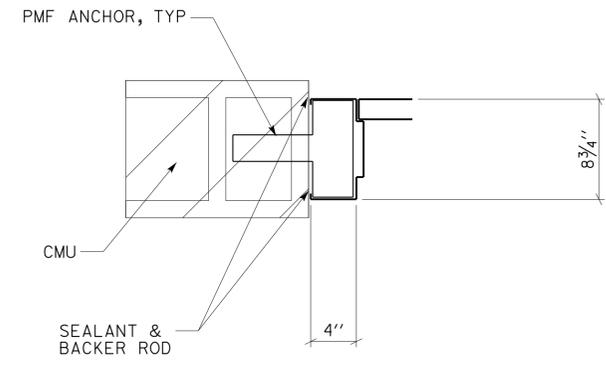
1 DOOR HEADER
SCALE 1-1/2" = 1'-0"



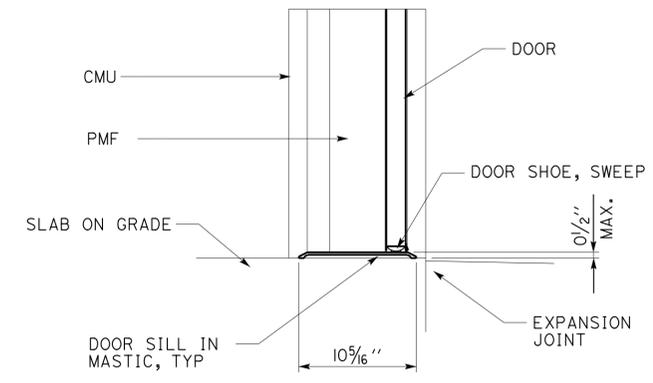
4 DOOR HEADER (PAIR)
SCALE 1-1/2" = 1'-0"



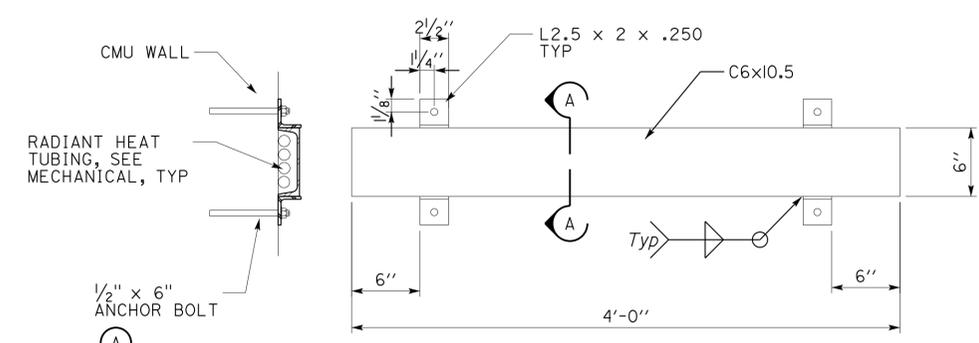
2 DOOR JAMB
SCALE 1-1/2" = 1'-0"



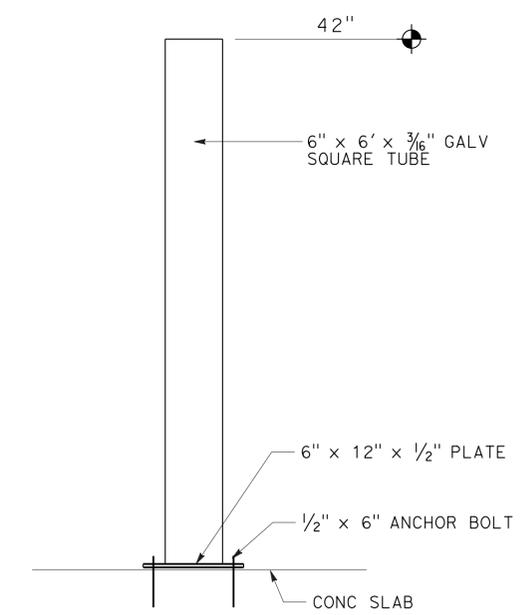
5 DOOR JAMB (PAIR)
SCALE 1-1/2" = 1'-0"



3 DOOR SILL
SCALE 1-1/2" = 1'-0"



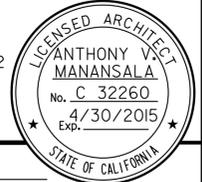
6 RADIANT HEAT PIPE COVER
SCALE 1-1/2" = 1'-0"
NOTE: Prime and paint all exposed surfaces, see finish schedule. Contractor to coordinate size of C-Channel with Radiant Heat tubing and number of sections required to protect Radiant Heat tubing.



7 ELECTRICAL POST
NTS

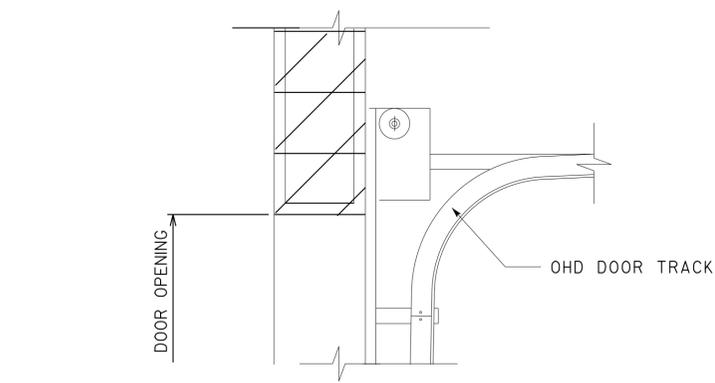
A5-20.dgn TAEMWW Imperial Rev. 7/10 23-SEP-2013 08:08	DESIGN BY Anthony Manansala	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 WASH BUILDING TYPE A, B DETAILS	SHEET OF
	DETAILS BY Anthony Manansala	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 1012000181	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12 07-23-12	

23-SEP-2013 08:08 A5-20.dgn

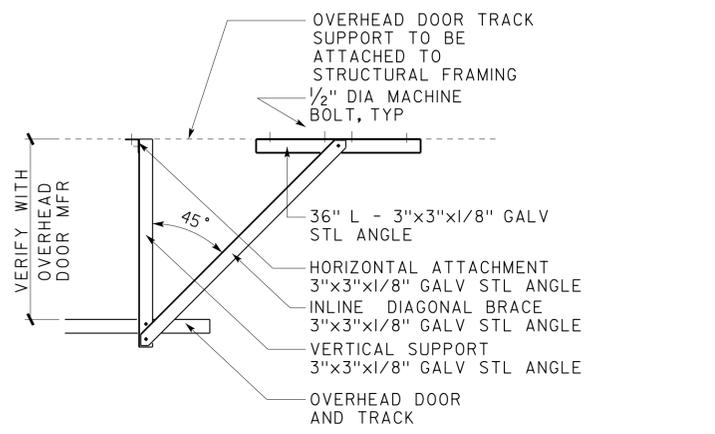


ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: **1012000181**
 Reviewed by: *Y. A. Wang*
 Date: 04-11-13

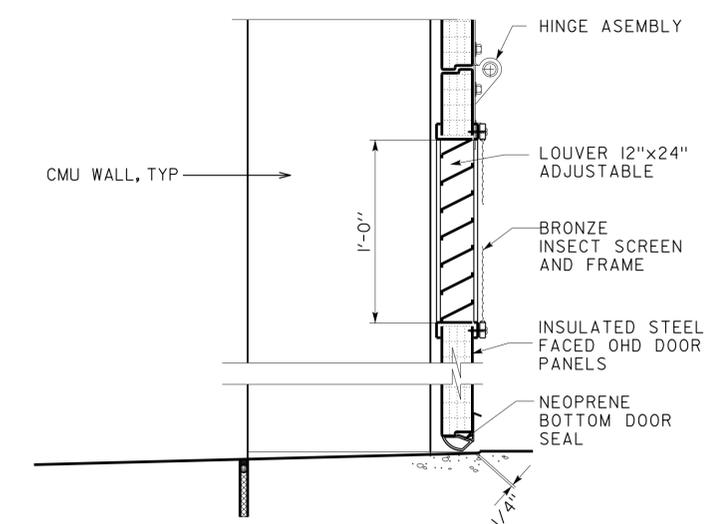
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Ingrid P. Castano*
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



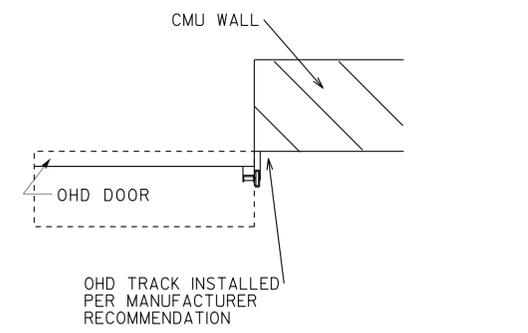
1 SECTIONAL OHD DOOR HEAD
SCALE 1" = 1'-0"



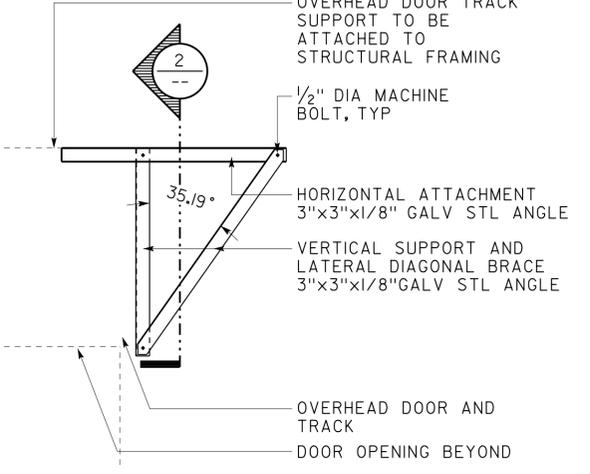
2 OVERHEAD DOOR TRACK AND SUPPORT
SCALE 3/4" = 1'-0"



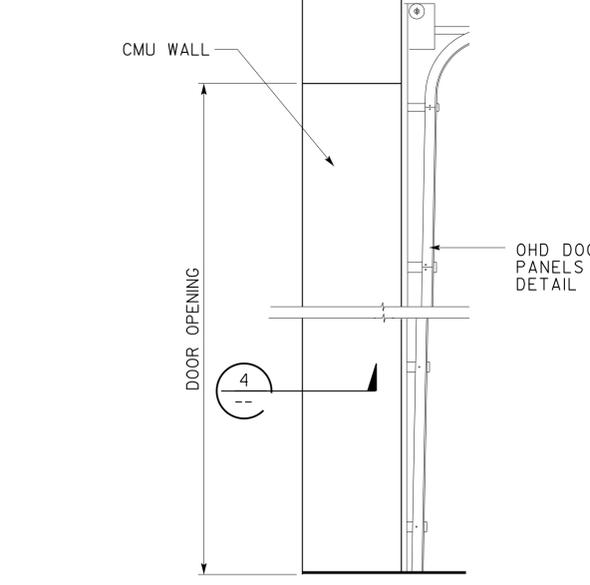
3 SECTIONAL OHD THRESHOLD
SCALE 2" = 1'-0"



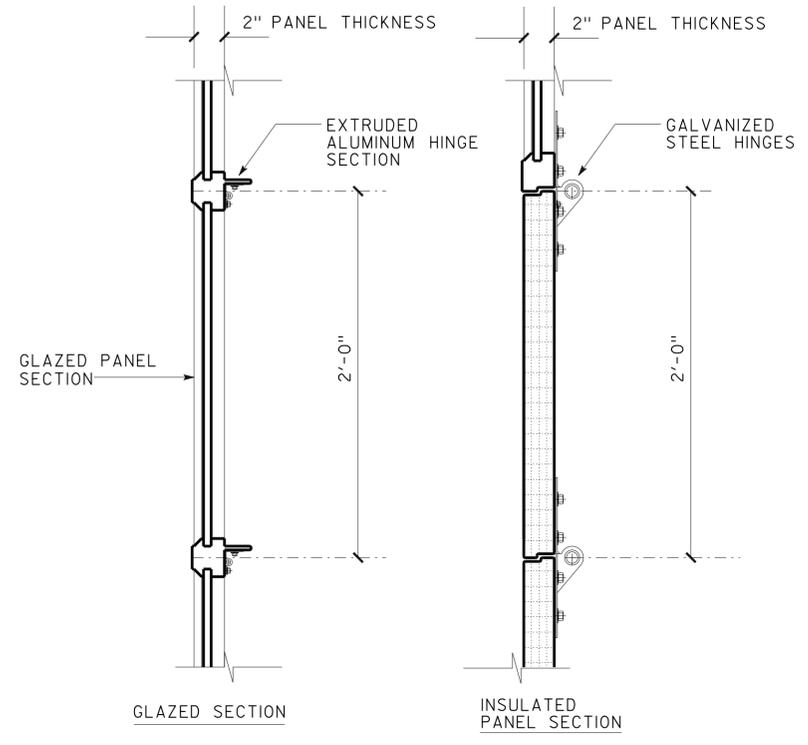
4 SECTIONAL OHD JAMB
SCALE 1" = 1'-0"



5 OVERHEAD DOOR TRACK SUPPORT
SCALE 3/4" = 1'-0"



6 SIDE ELEVATION
SCALE 1/2" = 1'-0"



8 SECTIONAL OHD DOOR PANELS
SCALE 2" = 1'-0"

DESIGN	BY Anthony Manansala	CHECKED Donald Alsey
DETAILS	BY Anthony Manansala	CHECKED Donald Alsey
QUANTITIES	BY	CHECKED

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

BRIDGE NO.	VARIOUS	DISTRICT 10 WASH RACKS PHASE 2	SHEET OF
POST MILE	WASH BUILDING TYPE A, B		
REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
DISREGARD PRINTS BEARING EARLIER REVISION DATES		X X	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	57	187

<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER	01-07-13 DATE	
7-22-13 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.

A GENERAL DESIGN NOTES:

1. CRITERIA

BUILDING CODE:

2010 California Building Code as adopted by the California Building Standards Commission

OCCUPANCY CATEGORY: I

2. MATERIALS

REINFORCED CONCRETE: (STRENGTH DESIGN)

$F'_c = 3,600$ PSI
 $F_y = 60,000$ PSI

CONCRETE REINFORCEMENT MUST BE EPOXY COATED

CONCRETE MASONRY: (STRENGTH DESIGN)

$F'_m = 2,000$ PSI
 $F_y = 60,000$ PSI

LEVEL 1 SPECIAL INSPECTION IS REQUIRED

STRUCTURAL STEEL: (ALLOWABLE STRENGTH DESIGN)

Channels, angles, plates & misc shapes $F_y = 36$ KSI
Hollow structural steel (HSS) $F_y = 46$ KSI
Wide flange sections $F_y = 50$ KSI
Weld electrodes $F_y = 70$ KSI

3. FOUNDATION

Soils report dated : November 19, 2012
Allowable soil pressure: 2,000 PSF VERTICAL
360 PSF/FT LATERAL

For Soil Classification, see Log of Test Boring Sheets.

D GENERAL NOTES:

- For general concrete details, see ST-2.
- For general masonry details, see ST-3.
- All bolts must be hex head machine bolts, with hex head nuts; unless otherwise noted.
- The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

B DESIGN LOADS:

1. LIVE

ROOF = 20 PSF

2. SEISMIC

IMPORTANCE FACTOR = 1.0

SITE CLASS = D

MAPPED SPECTRAL RESPONSE ACCELERATIONS:

$S_s = 1.5$ $S_I = 0.797$

DESIGN SPECTRAL RESPONSE COEFFICIENTS:

$S_{Ds} = 1.000$ $S_{D1} = 0.797$

DESIGN CATEGORY = D

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

SEISMIC FORCE-RESISTING SYSTEM:

BUILDING

CANOPY

BEARING WALL

CANTILEVERED COLUMN

$R = 5.0$

$R = 1.25$

$C_s = 0.200$

$C_s = 0.800$

3. WIND

IMPORTANCE FACTOR = 0.87

BASIC WIND SPEED = 100 MPH (3 SEC GUST)

EXPOSURE C

ANALYSIS PROCEDURE: SIMPLIFIED

BUILDING TYPE: ENCLOSED

4. SNOW

GROUND: $P_G = 270$ PSF

$P_F = 208$ PSF

$C_E = 1.0$ $C_T = 1.1$ $I = 1.0$

C STEEL DECK NOTES:

- Loads: Shear = 620 plf
Dead = 15 psf
Snow = 208 psf (reduced)
Wind = 15 psf (net uplift)
- Steel deck must be one of the following manufacturer / types:

Verco Manufacturing / HSB-36
ASC Profiles / B-36
Vulcraft / 1.5B
- 3 span min coverage
- Gauge: 16 ga
- Roof fasteners:
PAF at 6" oc all supports.
#12 screws @ 12" oc side lap attachment
- Wall fasteners:
PAF at 12" oc all supports.
#12 screws @ 12" oc side lap attachment
- PAFs must be one of the following manufacturer / types:

Buildex / BX-14
Pneutek / K64-series
Hilti / ENP2K, X-EDN19 or X-EDNK22
- Install PAFs per manufacturer's recommendations.
- Alternative fasteners and/or spacings may be submitted for approval.

DESIGN	BY	TOM MESICH	CHECKED	DAI LU	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET ST-0
	DETAILS	BY	TOM MESICH	CHECKED			DAI LU		
QUANTITIES	BY		CHECKED						

TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT PROJECT NUMBER & PHASE	3599 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	10-03-12	REVISION DATES (PRELIMINARY STAGE ONLY)	01-10-13	SHEET OF	
---------------------------	--	---	---	---	---	-----------------------------	------------------	---	----------	---	----------	----------	--

D:\TRM\Projects\010 WASH FACILITIES\DRAWINGS\Expedite\st-00.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	58	187

<i>Thomas Reich</i>	01-07-13	REGISTERED CIVIL ENGINEER	DATE
7-22-13	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.

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	LLV	LONG LEG VERTICAL
BC	BOTTOM CHORD	M	METER
BOF	BOTTOM OF FOOTING	MAX	MAXIMUM
CFS	COLD-FORMED STEEL	MB	MECHANICAL BOLT
CIDH	CAST IN DRILLED HOLE	MEA	MECHANICAL EXPANSION ANCHOR
CJ	CONTROL JOINT	MECH	MECHANICAL
CLR	CLEAR	MFR	MANUFACTURER
CMU	CONCRETE MASONRY UNIT	MM	MILLIMETER
CONC	CONCRETE	MIN	MINIMUM
CONST	CONSTRUCTION	MIW	MALLEABLE IRON WASHER
CONT	CONTINUOUS	NS	NON SHRINK
CP	COMPLETE PENETRATION WELD	OC	ON CENTER
DBL	DOUBLE	OG	ORIGINAL GRADE
DF	DOUGLAS FIR	OH	OPPOSITE HAND
DIA	DIAMETER	OPT	OPTIONAL
DIP	DUCTILE IRON PIPE	P	PITCH
DN	DIAMETER NOMINAL	PAF	POWER ACTUATED FASTENER
DO	DITTO	PLWD	PLYWOOD
(E)	EXISTING	PT	PRESSURE TREATED
EA	EACH	PW	PUDDLE WELD
EL	ELEVATION	PWB	PREFABRICATED WOOD I BEAM
ELEC	ELECTRICAL	RCP	REINFORCED CONCRETE PIPE
EMBED	EMBEDMENT	REINF	REINFORCED, REINFORCING
EN	EDGE NAIL	REQ'D	REQUIRED
EQ	EQUAL	SDSTS	SELF DRILL, SELF TAP SCREW
EXP	EXPANSION	SIM	SIMILAR
FDGM	FREE DRAINING GRANULAR MATERIAL	SPS	STRUCTURAL PLYWOOD SHEATHING
FG	FINISH GRADE	SQ	SQUARE
FL	FLOW LINE	STAGG	STAGGERED
FLR	FLOOR	STD	STANDARD
FN	FACE (FIELD) NAIL	SW	STUD WELD
FOC	FACE OF CONCRETE	SYM	SYMMETRICAL
FOM	FACE OF MASONRY	TC	TOP CHORD
FOS	FACE OF STUD	TOW	TOP OF WALL
FTG	FOOTING	TOS	TOP OF SLAB
GA	GAGE	TYP	TYPICAL
GALV	GALVANIZED	UON	UNLESS OTHERWISE NOTED
GLM	GLUE LAMINATED MEMBER	VERT	VERTICAL
GYP BD	GYPSUM BOARD		

SYMBOLS

	BLOCKING IN SECTION OR ELEVATION		CMU WALL ON PLAN VIEWS
	CONTINUOUS MEMBER IN SECTION		DROPPED SLAB ON PLAN VIEWS
	END OF MEMBER		REINFORCED CONCRETE
	BEARING WALL		SAND
	SHEAR WALL		STRUCTURAL BACKFILL
	LENGTH SHEARWALL SCHEDULE SYMBOL REFERENCE		STRUCTURAL EXCAVATION
	GLUE LAMINATED MEMBER SECTION		ORIGINAL GROUND
	NORTH ARROW		LIMITS OF STRUCTURAL BACKFILL (SHOWN ON PLAN VIEW)
	PARTIAL SECTION CUT		FREE DRAINING GRANULAR MATERIAL
	FULL SECTION CUT		BOTTOM OF FOOTING
	REVISION CALLOUT		ELEVATION OR WORKING POINT
	GRID LINE INDICATOR		EXISTING FEATURES
	CENTER LINE		(MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN.)
	STATION LINE		(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

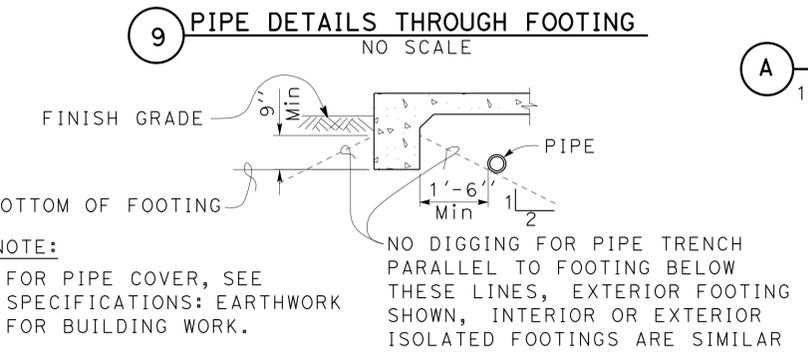
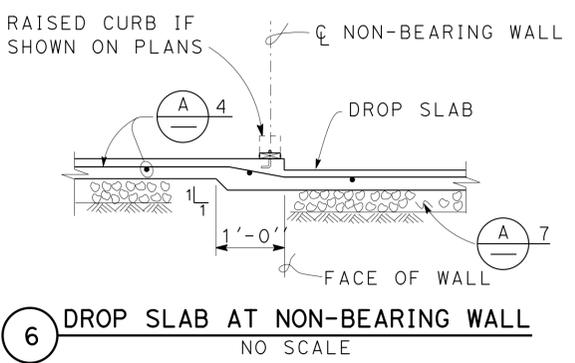
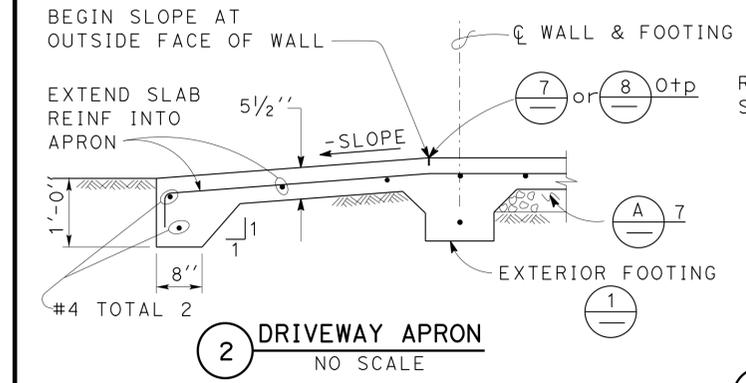
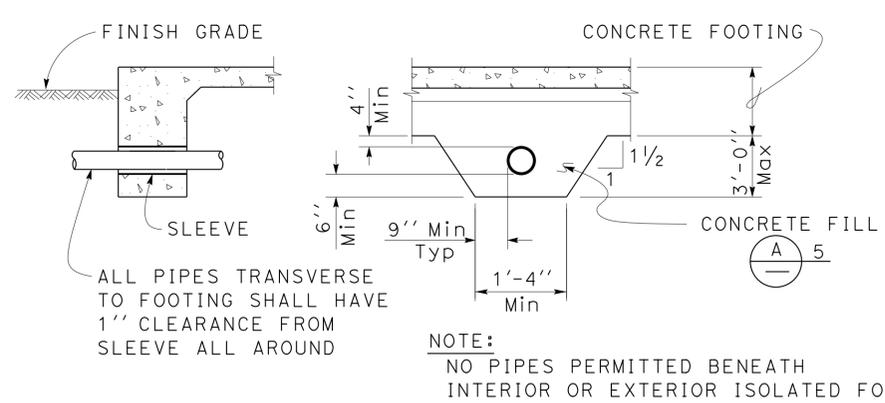
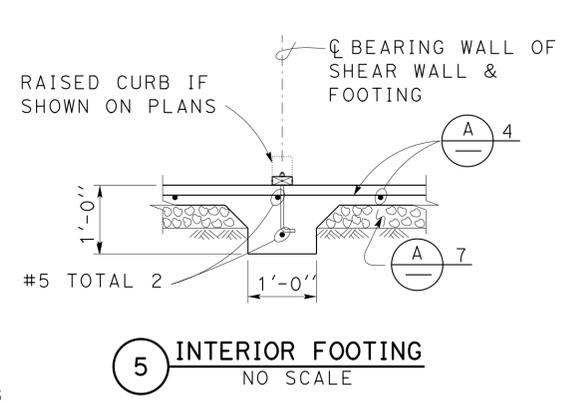
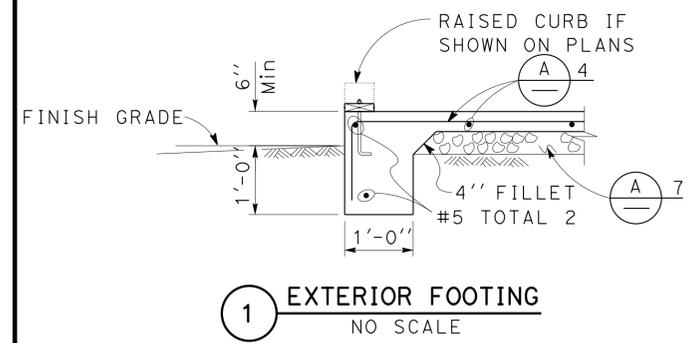
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET	
					VARIOUS POST MILE		LEGEND	ST-1
UNIT PROJECT NUMBER & PHASE			3599 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES		1-16-04	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

23-SEP-2013 07:38 st_01.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	59	187

<i>Thomas H. Reich</i> REGISTERED CIVIL ENGINEER	01-07-2013 DATE
7-22-13 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.	

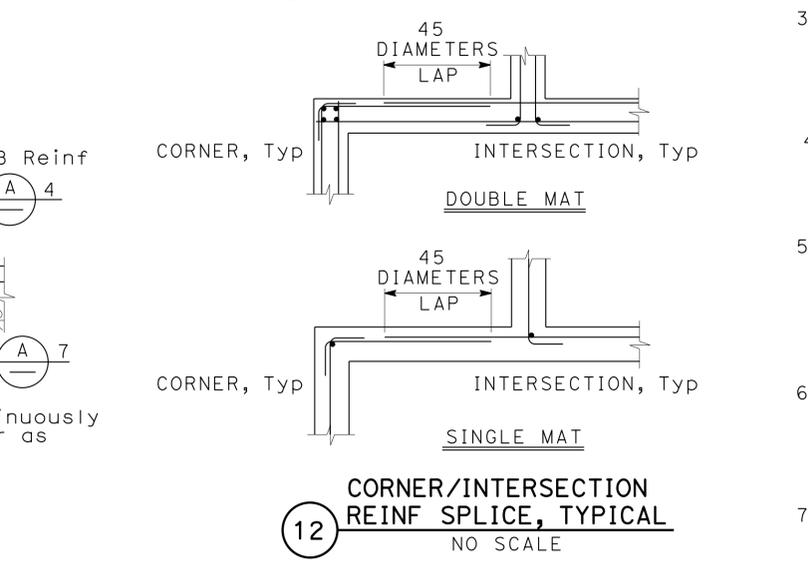
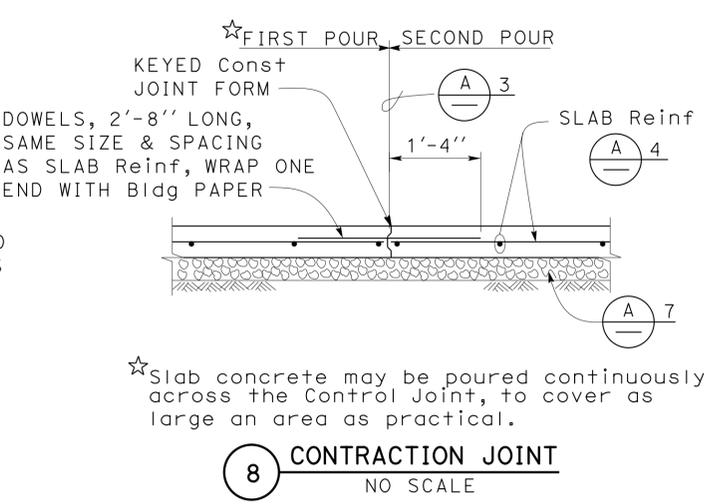
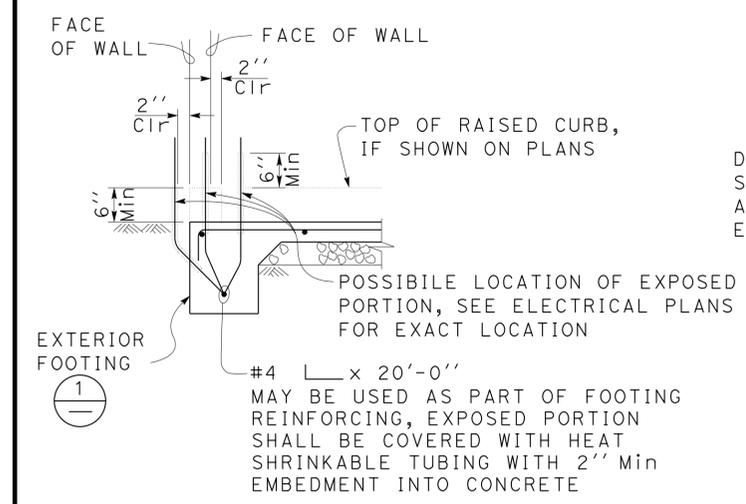
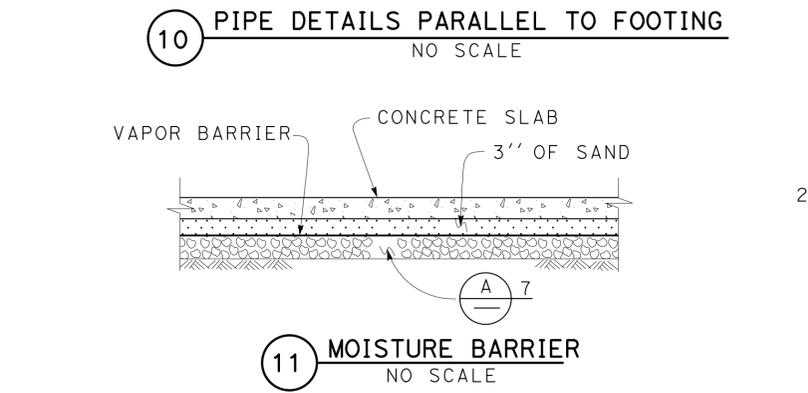
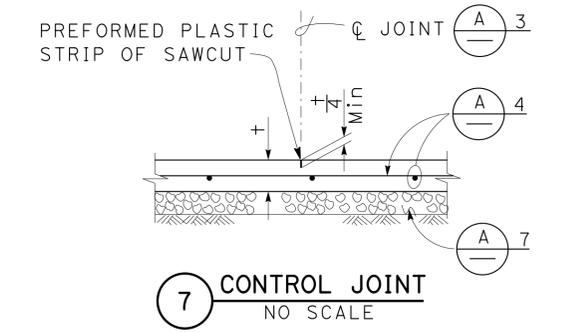
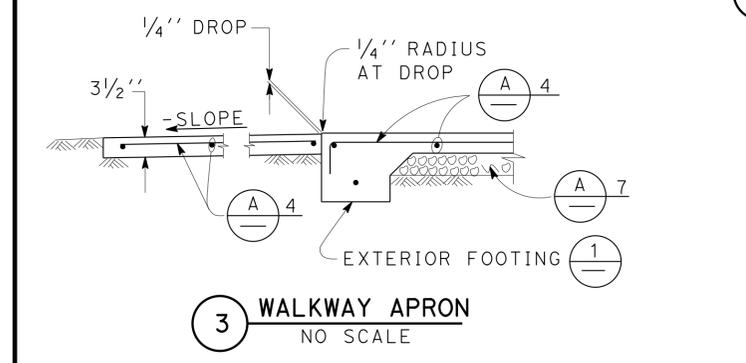
REGISTERED PROFESSIONAL ENGINEER Tom R. Mesich No. 46748 Exp. 6-30-15 CIVIL STATE OF CALIFORNIA	
--	--



CONCRETE NOTES

1. The following minimum concrete cover shall be provided for reinforcement.

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"



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.
3. 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".
4. 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 |
5. 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.
6. 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.
7. 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

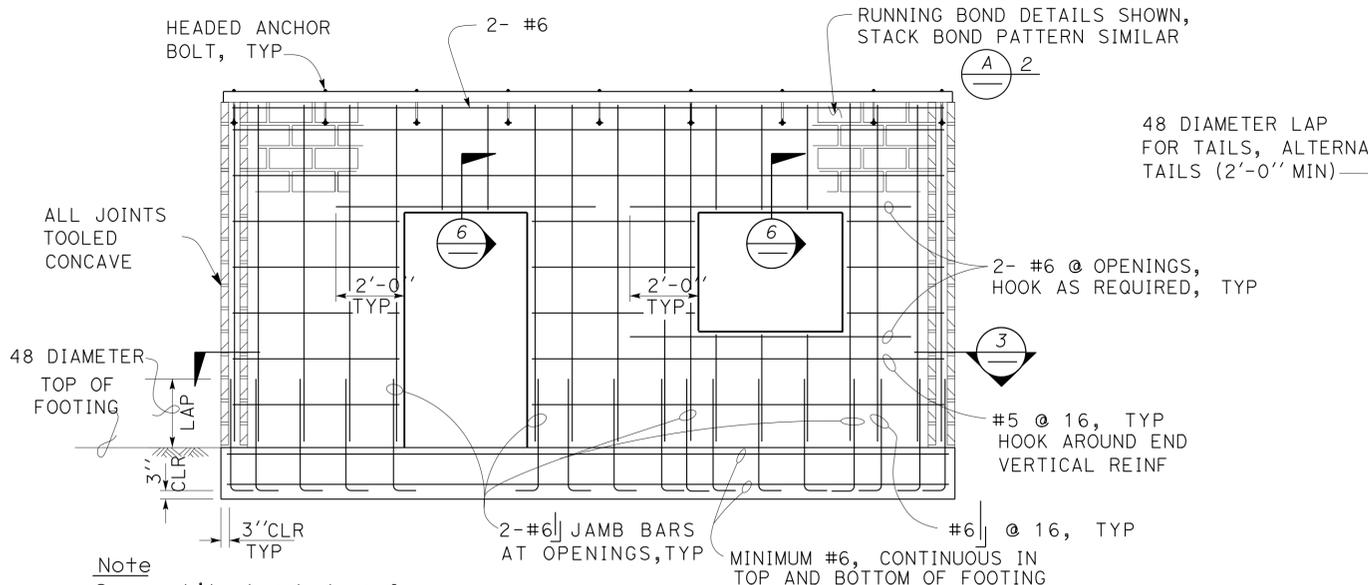
FILE NO. XS-25-1	DESIGN BY <i>Sean Soud</i>	CHECKED BY <i>Lee G. ...</i>	APPROVED BY <i>R.C. ...</i>
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED BY <i>...</i>	DESIGN SUPERVISOR
	SUBMITTED BY <i>Sean Soud</i>	DESIGN ENGINEER	

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2	SHEET ST-2
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	CONCRETE STANDARD	

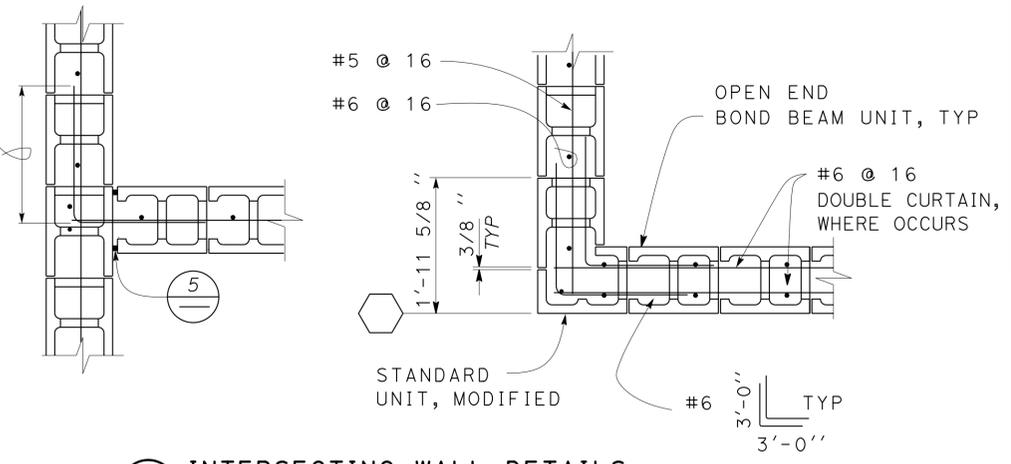
UNIT PROJECT NUMBER & PHASE	3599 10120000181	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
EA 0X2101			1-16-04 11-14-05 04-27-12	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	60	187

<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER DATE 01-07-13	REGISTERED PROFESSIONAL ENGINEER No. 46748 Exp. 6-30-15 CIVIL STATE OF CALIFORNIA
7-22-13 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.	



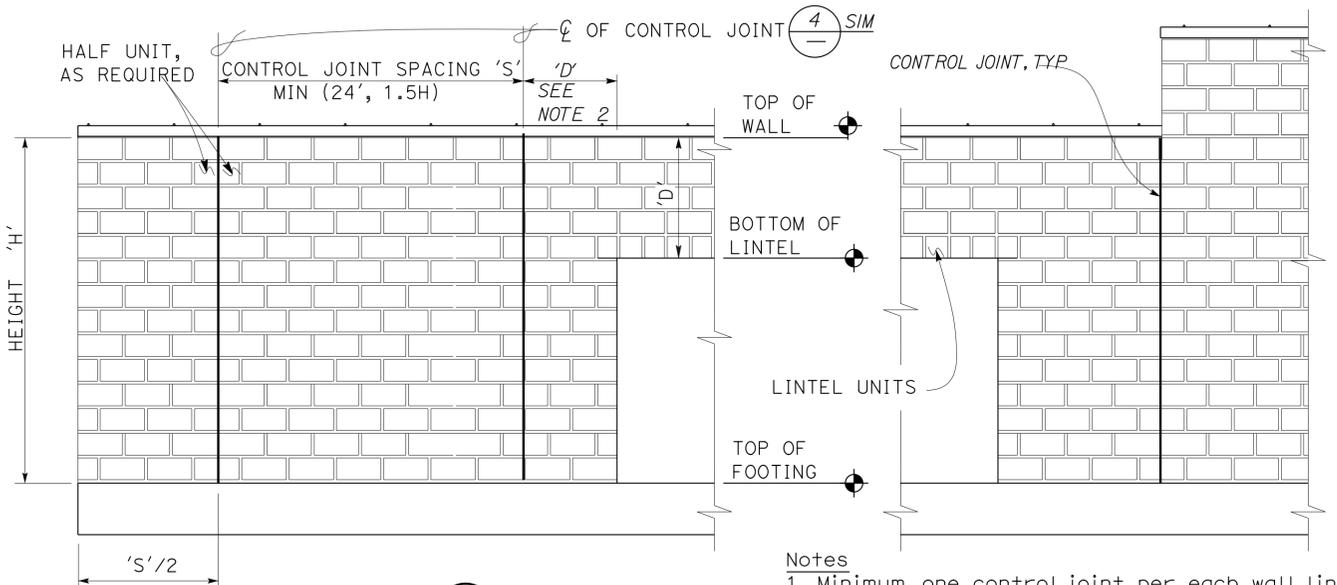
1 WALL ELEVATION
NO SCALE



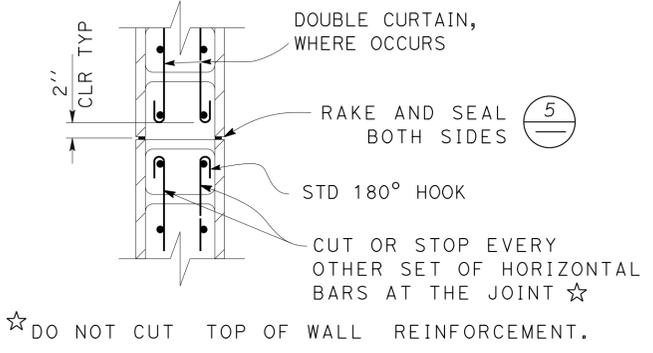
3 INTERSECTING WALL DETAILS
SCALE 3/4" = 1'-0"

A REINFORCED CONCRETE MASONRY UNIT NOTES

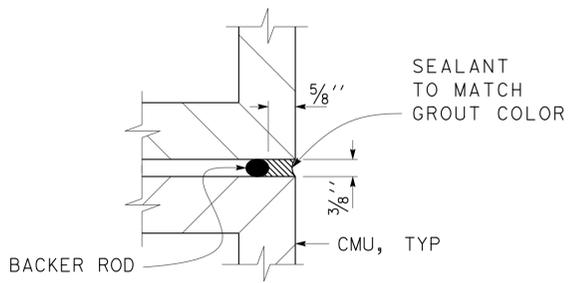
- All walls shall be solid grout, open end units, uon.
- Stack bond requires open end bond beam units throughout.
- All vertical reinforcement shall be centered in cell, uon. the minimum coverage of reinforcement from the exposed surface of concrete masonry unit shall be 2".
- Reinforcement splices shall be as follows:
 - Lap splice for a #7 or smaller bar shall be 48 diameters.
 - Lintel lap splices are not permitted for bottom bars.
- Mechanical expansion anchors shall have 1/2" minimum distance to any edge of the masonry unit. minimum embedment measured from the outside face of the unit shall be 2".
- Pipes shall not be embedded in any masonry wall except when shown on plans or as approved by the engineer.
- Electrical conduit, panels or fixtures may be placed in cells with the following restrictions:
 - The conduits shall not interfere with the reinforcing steel.
 - Conduit placement shall not inhibit the complete filling of the cells with grout.
 - Horizontal run of 3/4" maximum size conduit may be placed in a bond beam course that does not have horizontal reinforcement.
 - Recesses more than 1" deep for electrical panels or fixtures shall have similar reinforcement as doors and windows.
- Steel washers shall be provided for all anchor bolts.
- See architectural and mechanical plans for offsets, sizes and locations of ducts, wall openings, vents and other details not shown on structural sheets.



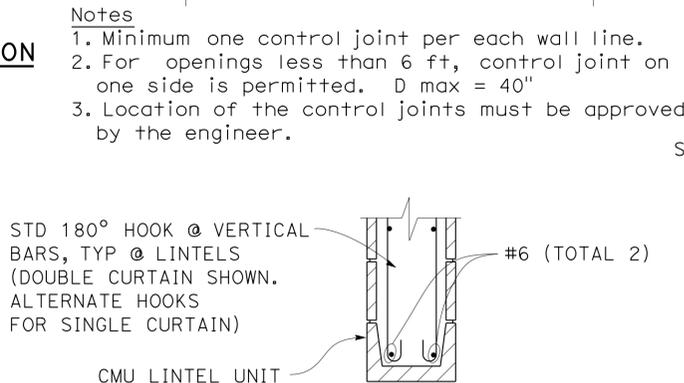
2 WALL ELEVATION
NO SCALE



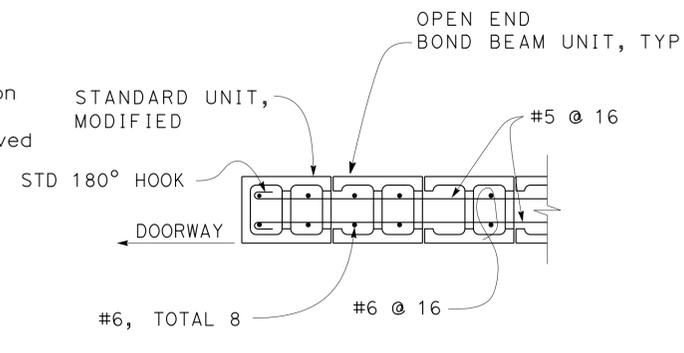
4 CONTROL JOINT DETAIL
SCALE 1" = 1'-0"



5 JOINT SEAL DETAIL
No Scale



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



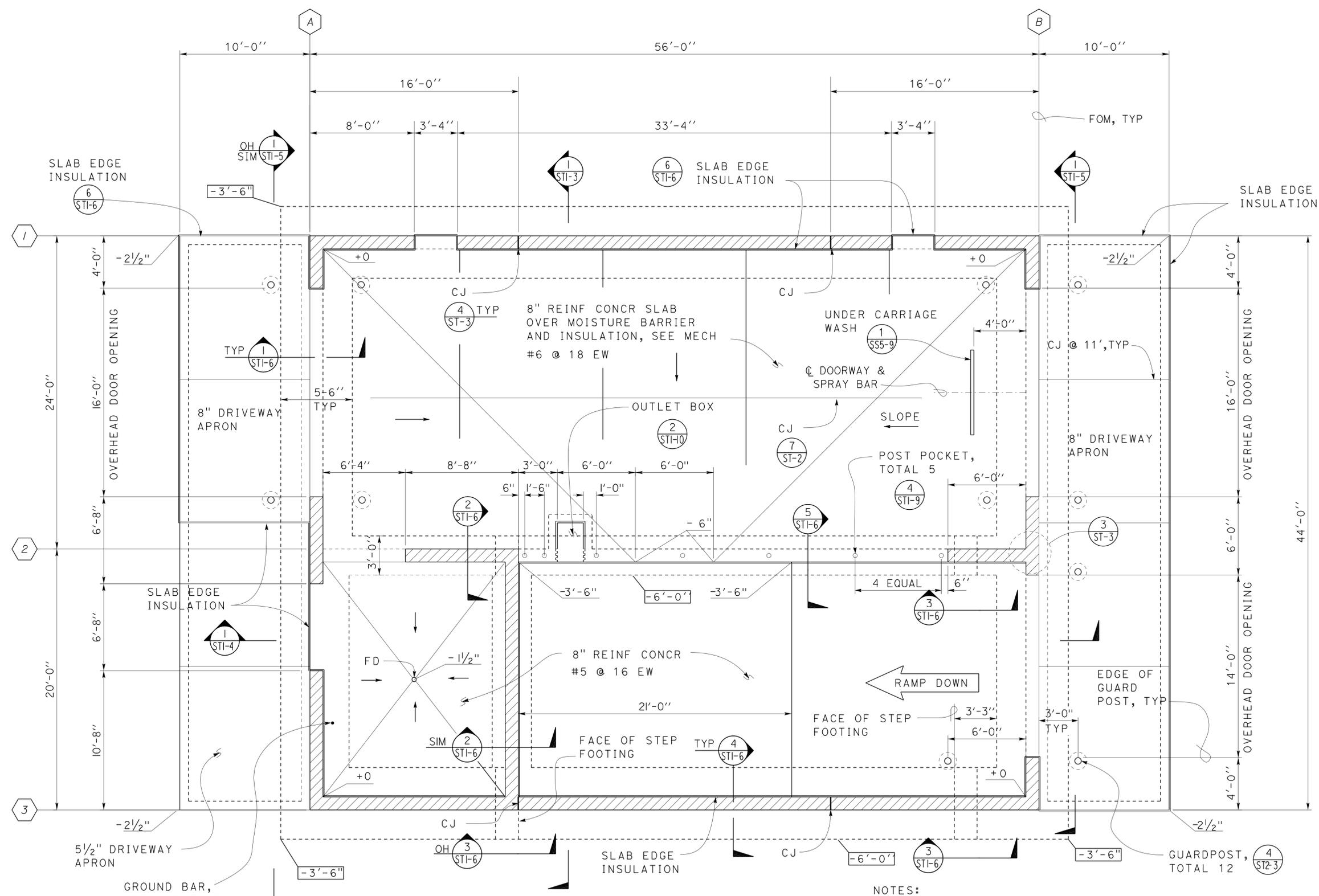
7 WALL AT OVERHEAD DOOR
SCALE 3/4" = 1'-0"

12" CMU

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

TAEWW Imperial Rev. 7/10	SCALE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2 CONCRETE MASONRY UNIT STANDARD	SHEET
					VARIOUS POST MILE		ST-3
UNIT PROJECT NUMBER & PHASE 3599 10120001811					DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
EA 0X2101					07-12-12		11 OF 11

23-SEP-2013 07:38 st_03.dgn



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

- NOTES:
1. A DOUBLE CURTAIN OF WALL REINF AND NO CONTROL JOINTS OCCUR ON LINES A B.
 2. FOR BUILDING LOCATION AND ELEVATION OF DATUM 0 AT FINISHED FLOOR, SEE CIVIL SHEETS.
 3. WASH BUILDING TYPE A SHOWN. WASH BUILDING TYPE B SIMILAR.

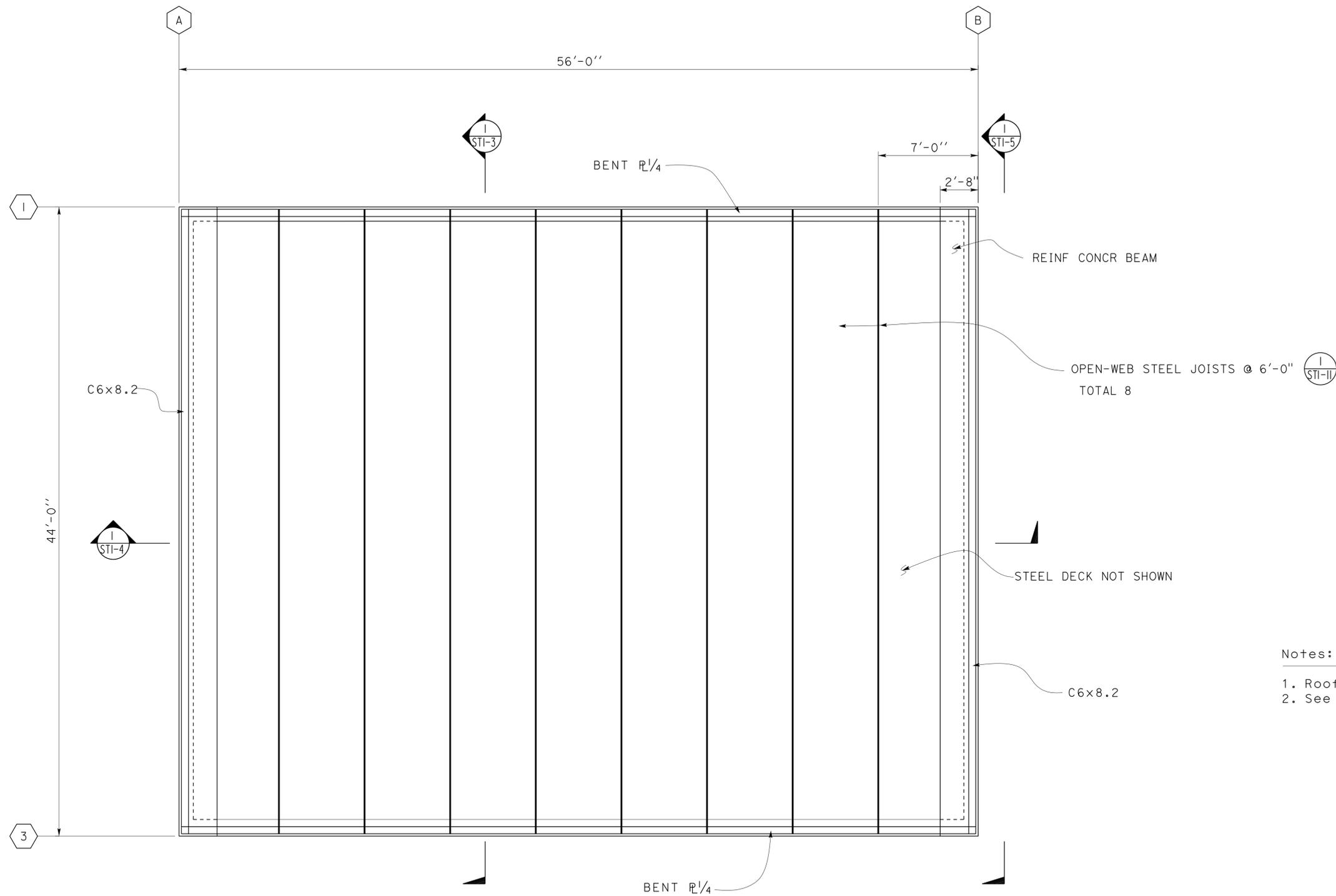
DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET ST1-1
VARIOUS POST MILE		
WASH BUILDING	FOUNDATION PLAN	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	62	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					



- Notes:
1. Roof perimeter members must be continuous.
 2. See ST1-9 for splice details.

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

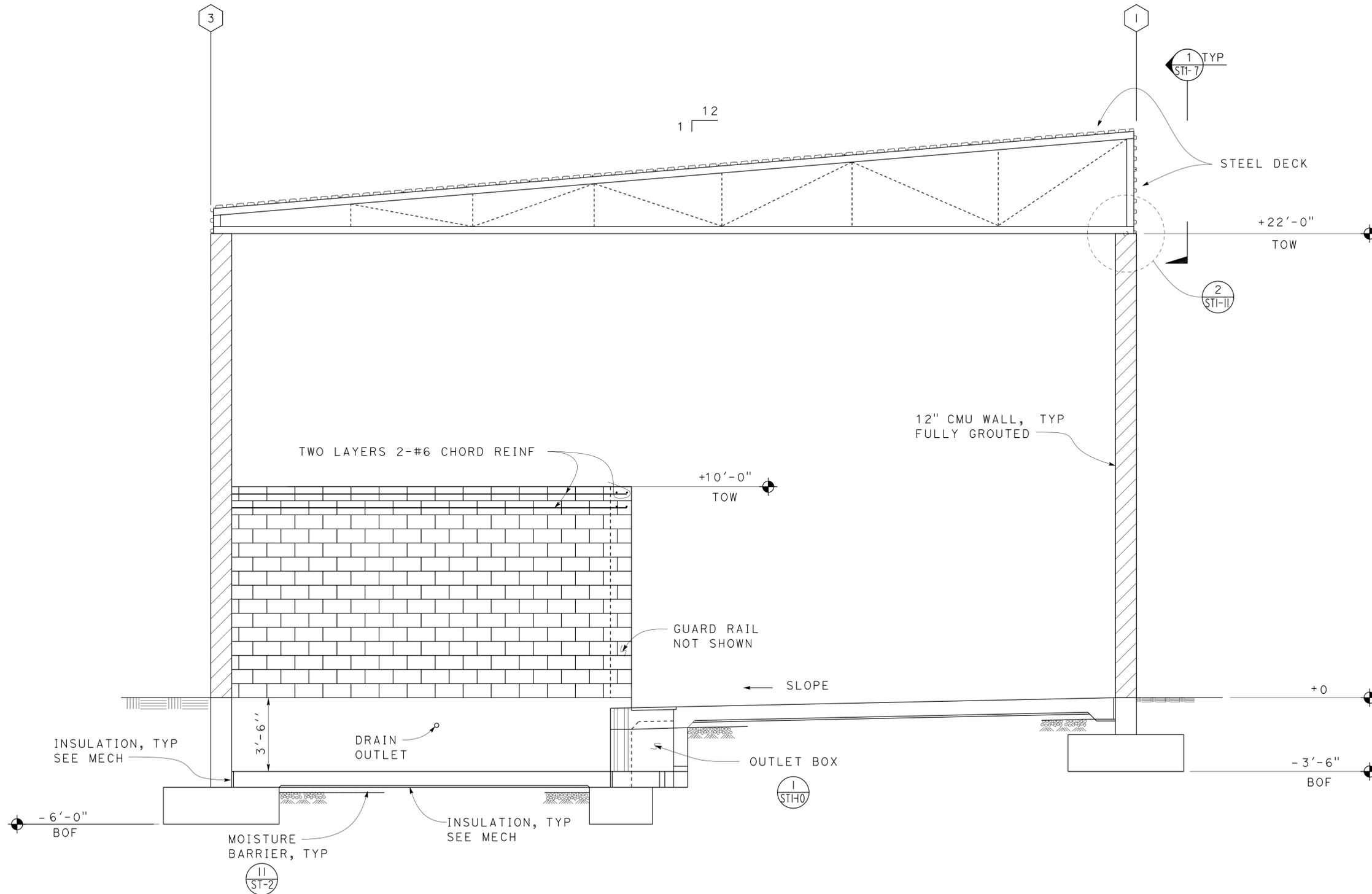
DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

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

BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET ST1-2
VARIOUS POST MILE		
WASH BUILDING	ROOF FRAMING PLAN	

23-SEP-2013 07:39

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	63	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					



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

DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

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

BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2		SHEET
VARIOUS	TRANSVERSE SECTION		ST1-3
POST MILE	WASH BUILDING		

TAEMWW Imperial Rev. 7/10

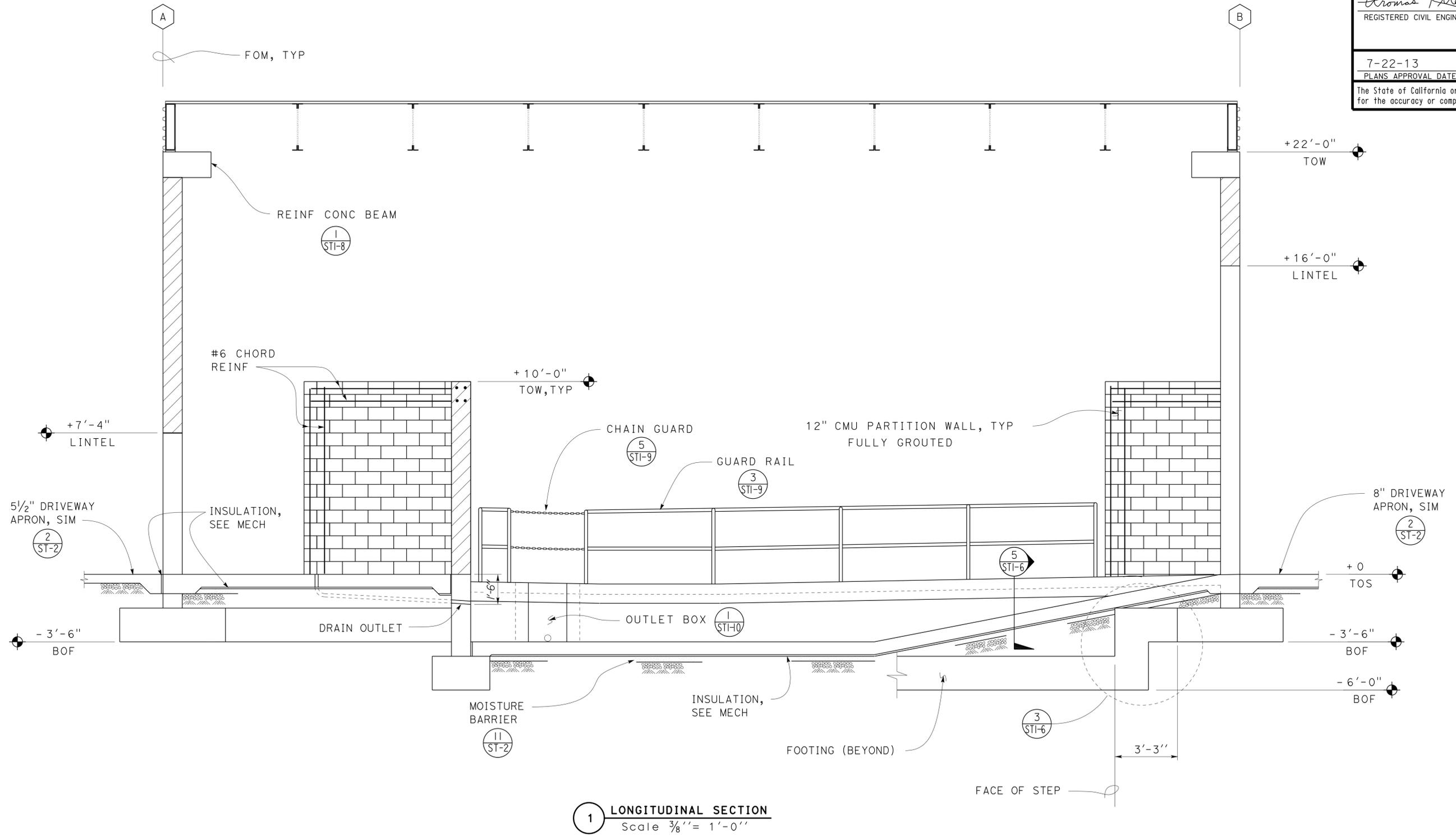
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE 3599 10120001811

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
10-03-12 01-10-13		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	64	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					



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

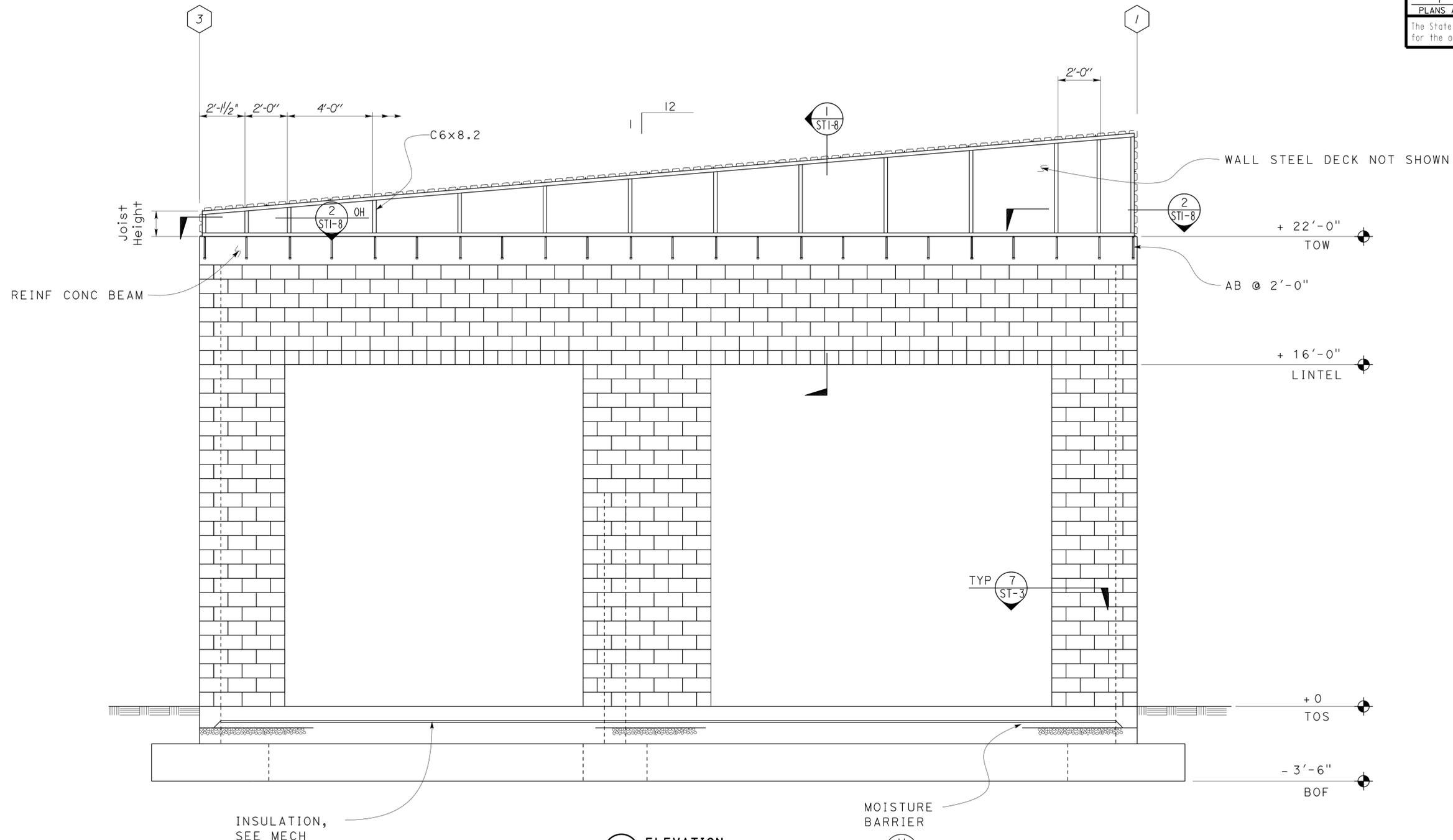
DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

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

BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2		SHEET
VARIOUS POST MILE	LONGITUDINAL SECTION		ST1-4
WASH BUILDING			

23-SEP-2013 07:39

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	65	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					

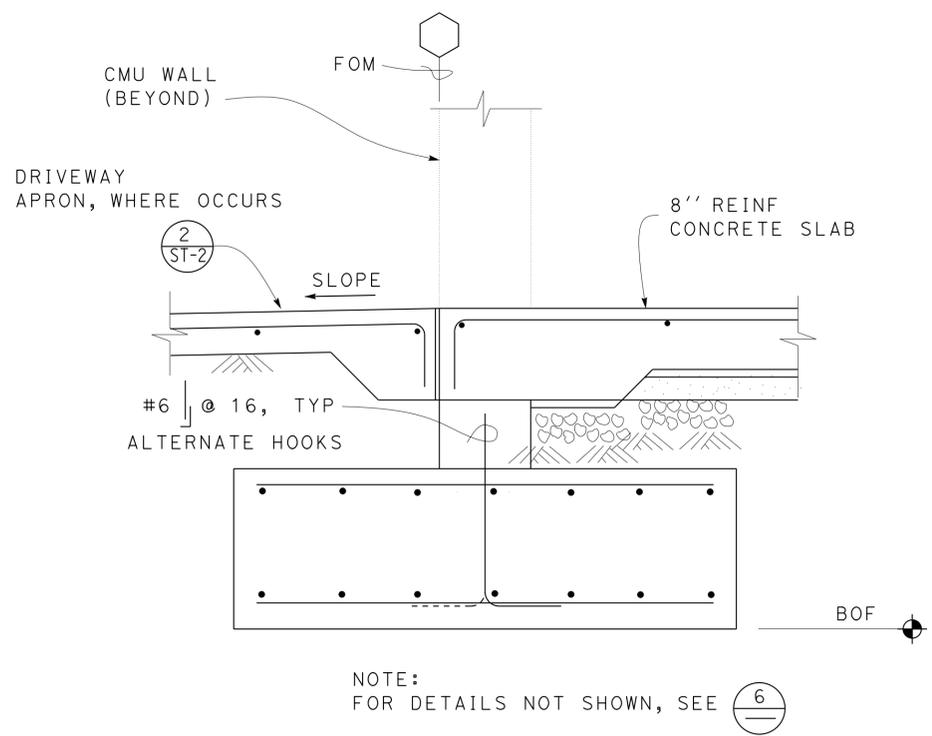


NOTE:
 WASH BUILDING TYPE A SHOWN.
 WASH BUILDING TYPE B SIMILAR.

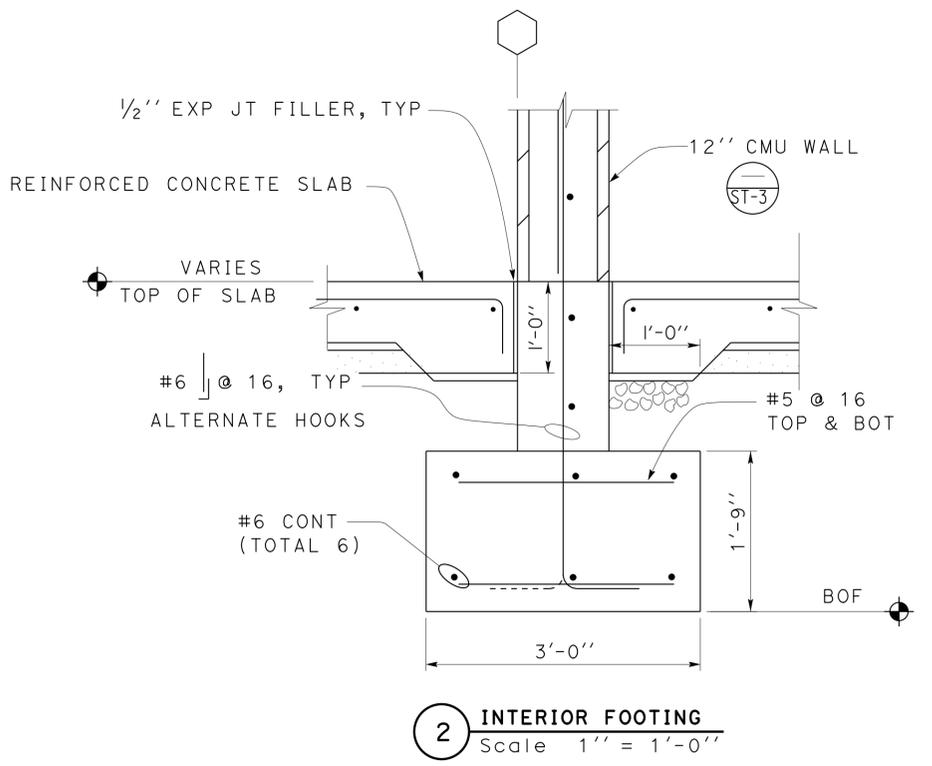
DESIGN BY TOM MESICH CHECKED DAI LU	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET ST1-5
			VARIOUS		
DETAILS BY TOM MESICH CHECKED DAI LU				WASH BUILDING	ELEVATION
QUANTITIES BY				REVISION DATES (PRELIMINARY STAGE ONLY)	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	
0 1 2 3			3599 10120001811	10-03-12 01-10-13	
EA 0X2101			D:\NTRM\Projects\10 WASH FACILITIES\DRAWINGS\Expedite\st1_05.dgn		

23-SEP-2013 07:39

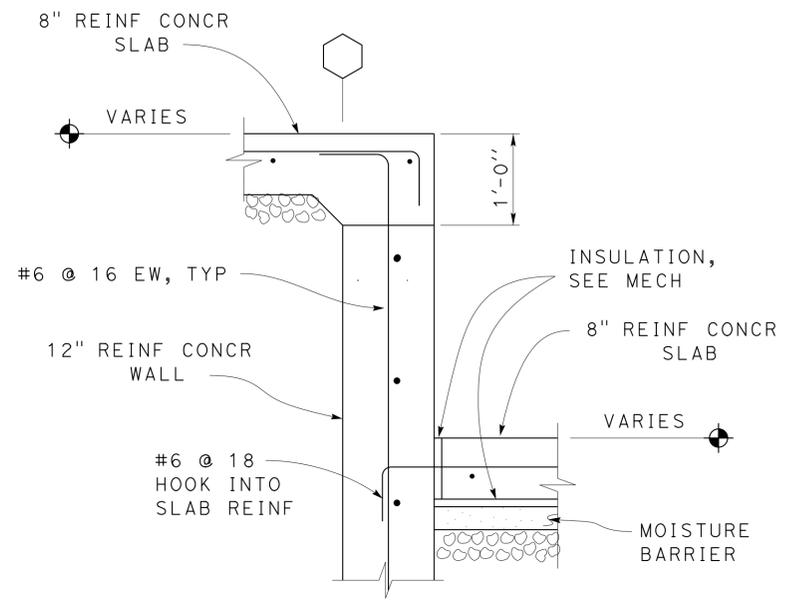
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	66	187
 REGISTERED CIVIL ENGINEER			DATE		
7-22-13			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



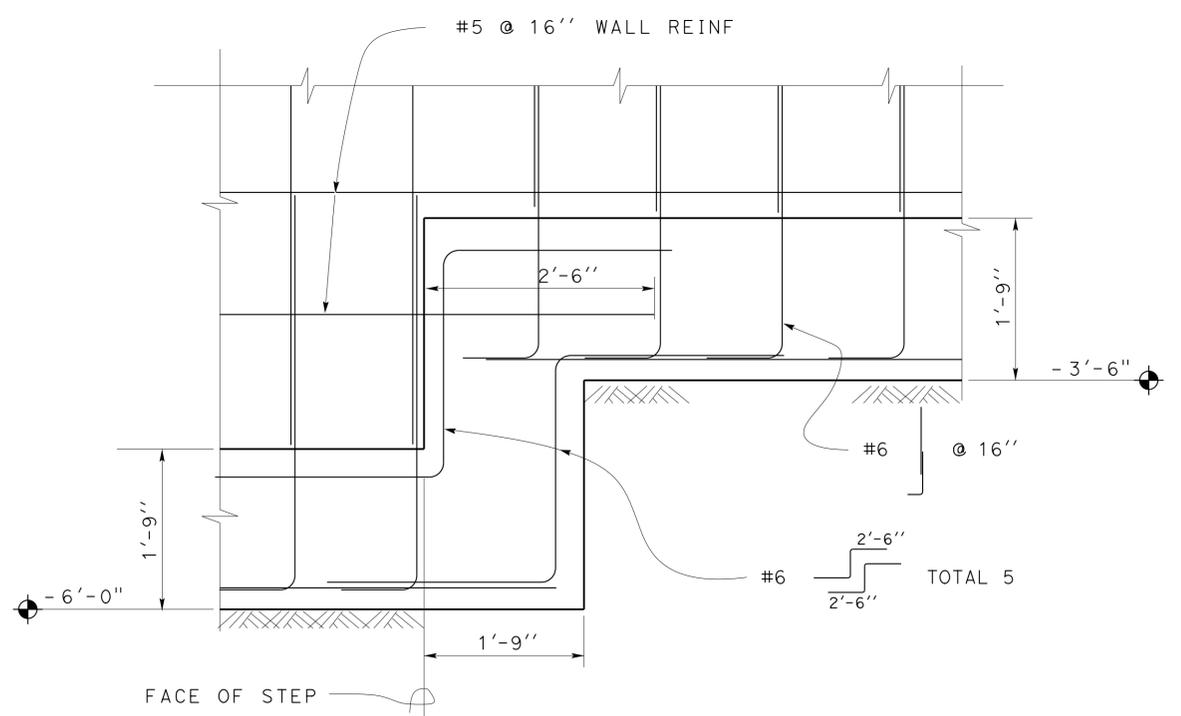
1 EXTERIOR FOOTING AT OPENINGS
Scale 1" = 1'-0"



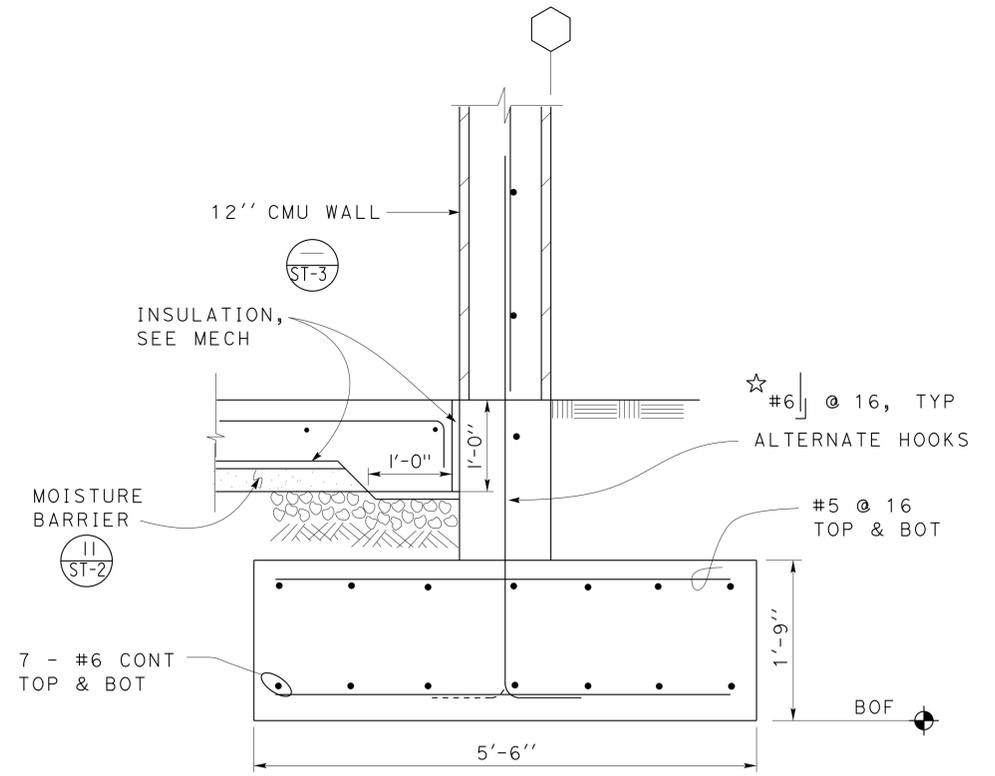
2 INTERIOR FOOTING
Scale 1" = 1'-0"



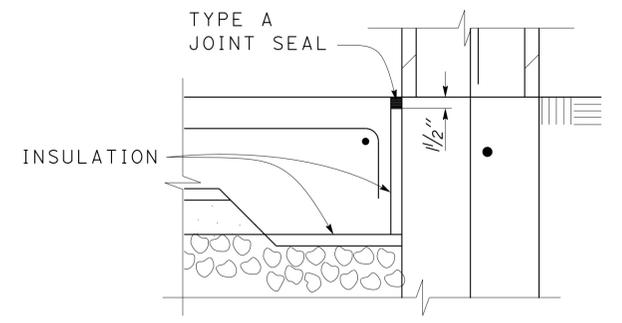
5 SLOPED SLAB CONNECTION
Scale 1" = 1'-0"



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



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

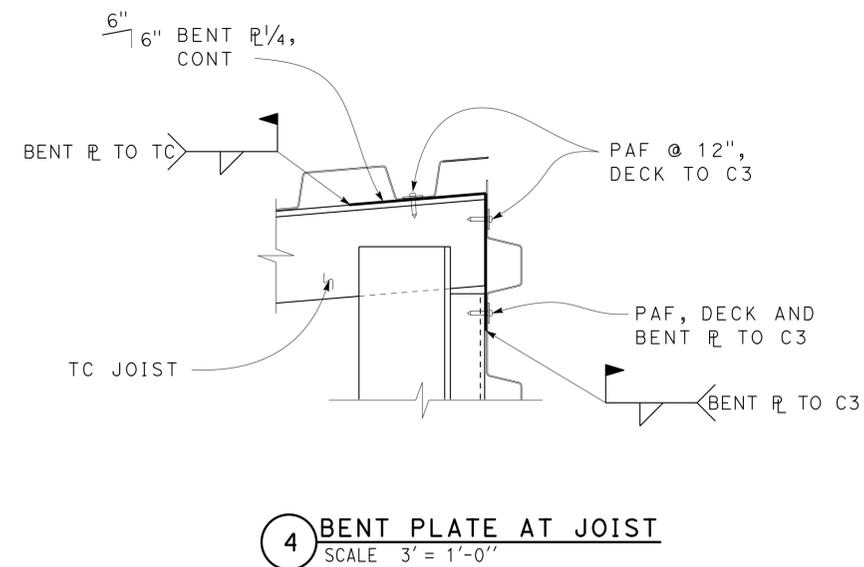
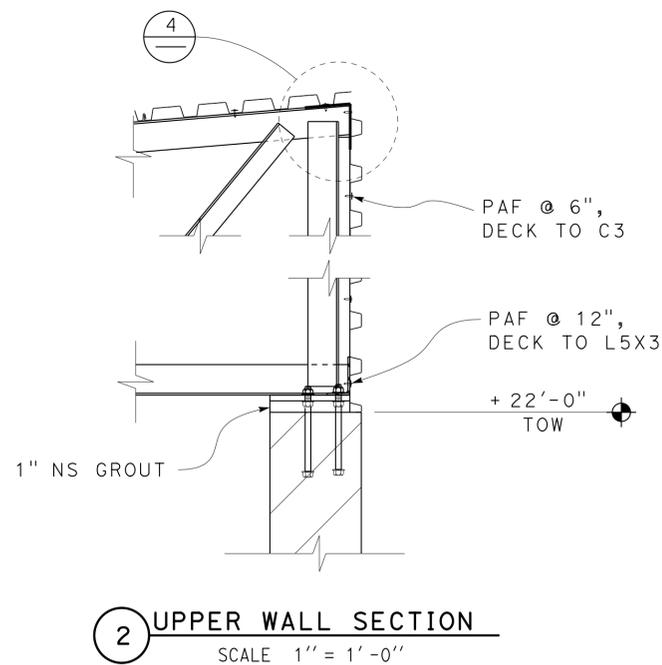
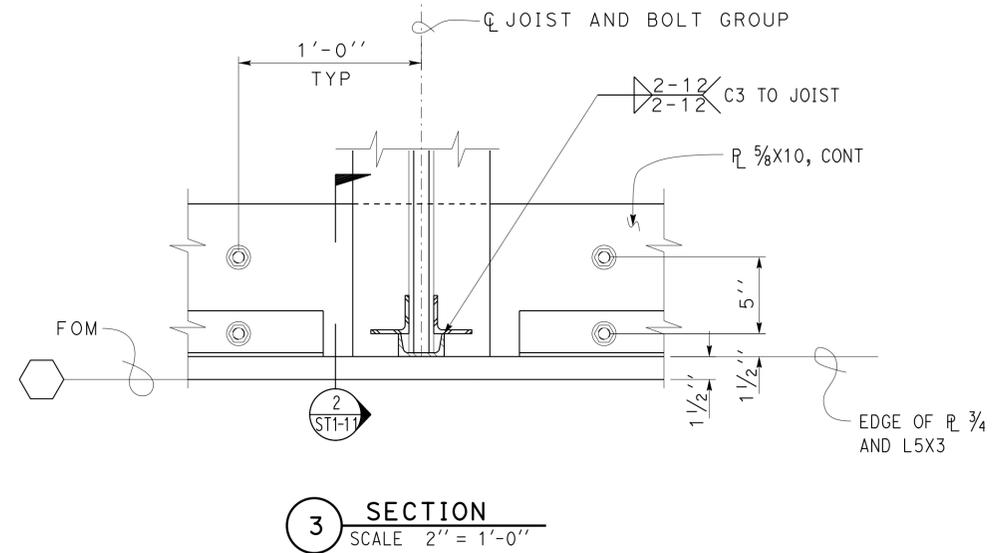
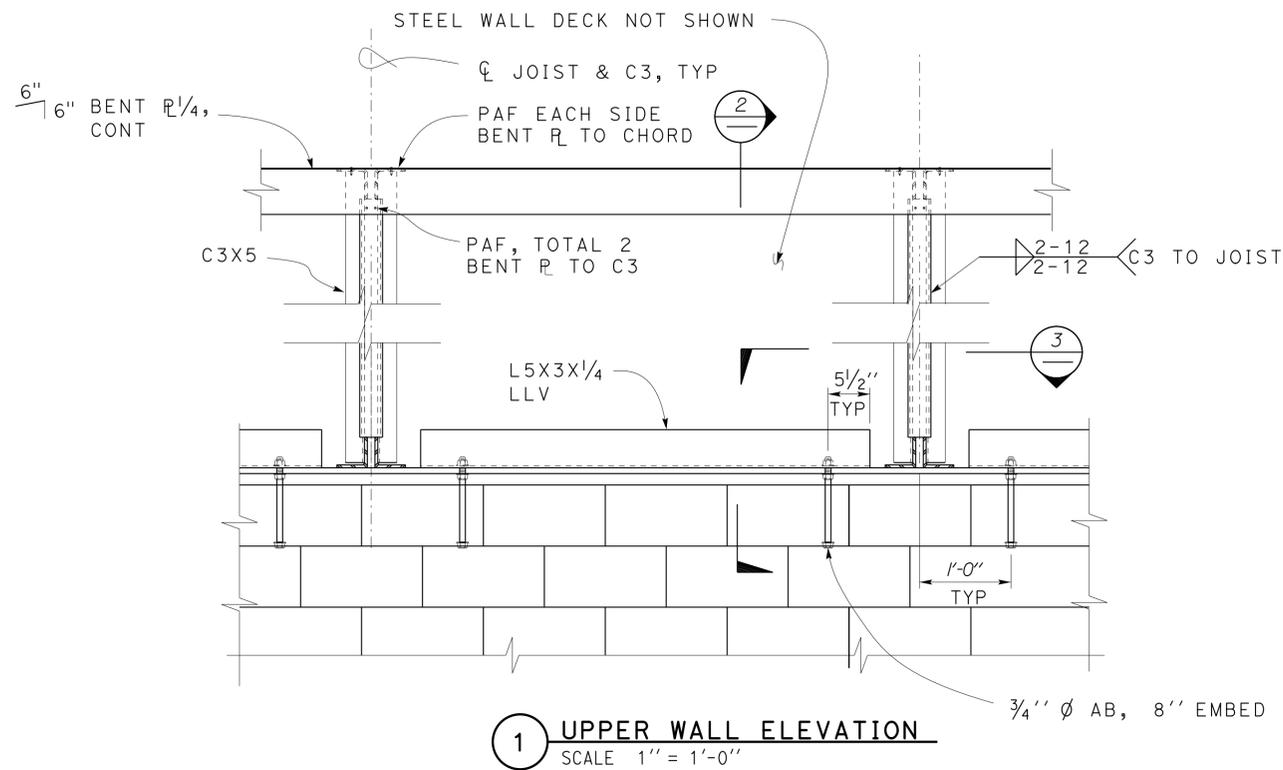


6 SLAB EDGE INSULATION
Scale 1 1/2" = 1'-0"

☆ WALL LINES **A** **B** REQUIRE DOUBLE CURTAINS OF REINF

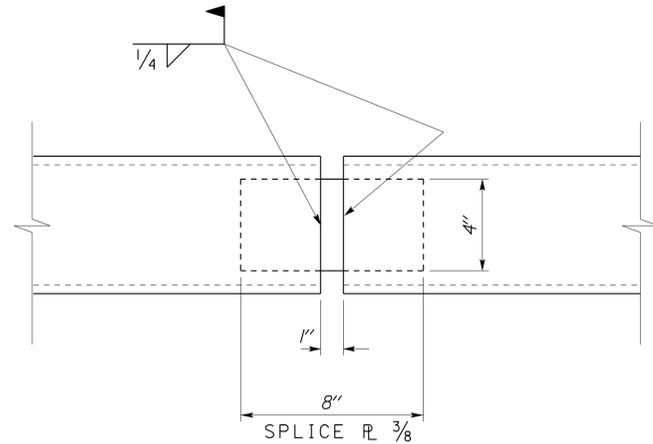
DESIGN BY TOM MESICH	CHECKED DAI LU	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET
				VARIOUS		FOUNDATION DETAILS
DETAILS BY TOM MESICH	CHECKED DAI LU	DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE 10120001811	POST MILE	WASH BUILDING	
QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 0X2101	3599 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	10-23-10 10-13	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	67	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13					
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.					

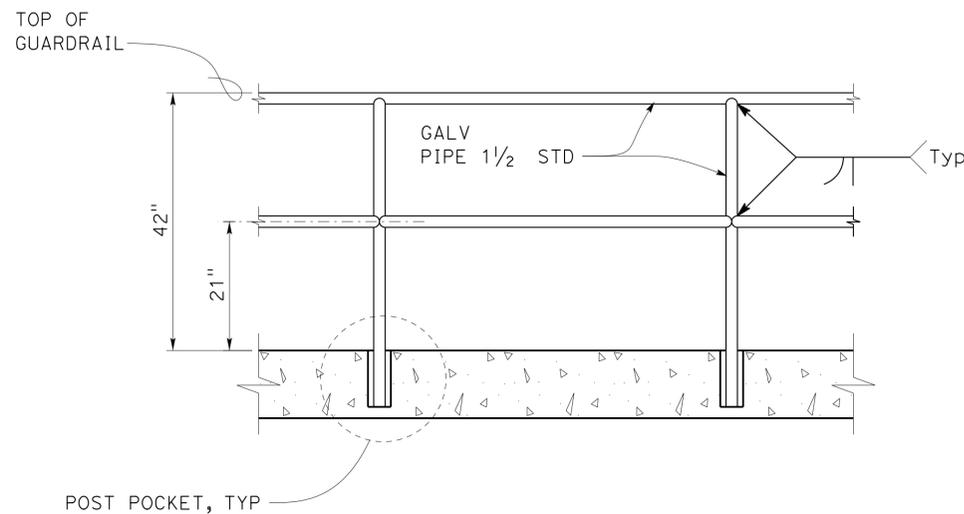


DESIGN	BY	TOM MESICH	CHECKED	DAI LU	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS POST MILE	DISTRICT 10 WASH RACKS PHASE 2		SHEET ST1-7
	DETAILS	BY	TOM MESICH	CHECKED				DAI LU	WASH BUILDING	
QUANTITIES	BY		CHECKED		UNIT PROJECT NUMBER & PHASE	3599 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	10-03-12	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEMWW Imperial Rev. 7/10					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	EA 0X2101	D:\NTRM\Projects\10 WASH FACILITIES\DRAWINGS\Expd\10-07-13\10-07.dgn		

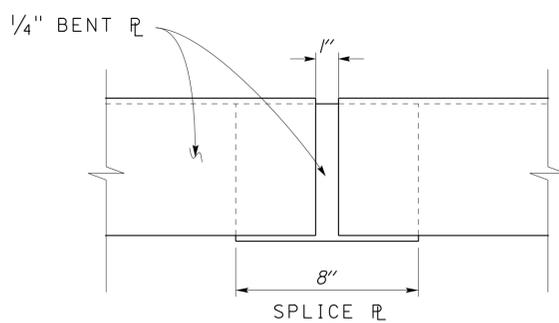
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	69	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



1 C6 SPLICE
 Scale 3" = 1' - 0"

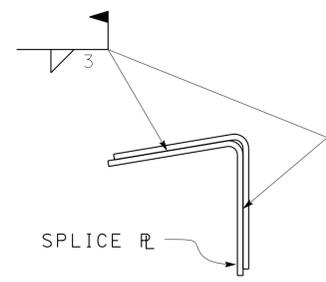


3 GUARD RAIL
 No Scale

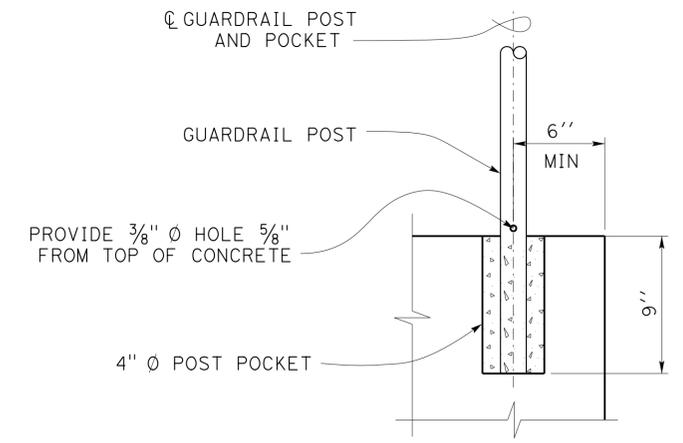


ELEVATION

2 BENT PLATE SPLICE
 Scale 3" = 1' - 0"

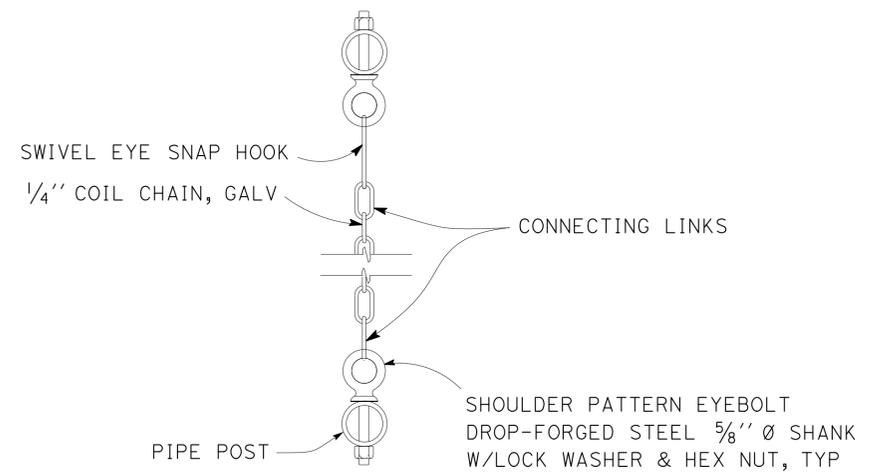


SECTION



NOTE: PACK POST POCKET WITH EPOXY MORTAR

4 POST POCKET DETAIL
 Scale 2" = 1' - 0"



5 CHAIN GUARD DETAIL TYPICAL
 No Scale

DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

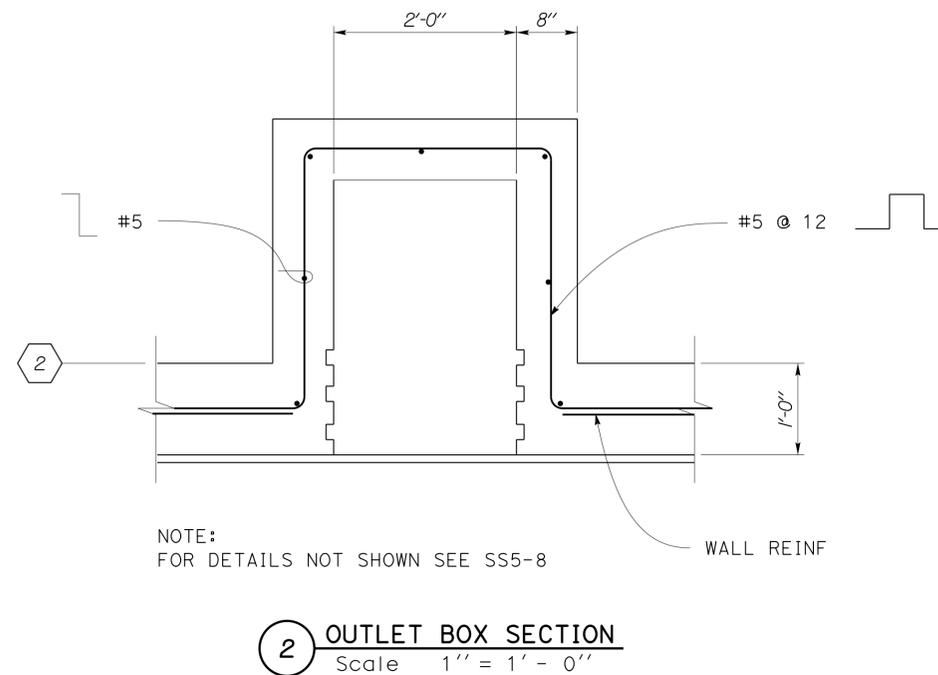
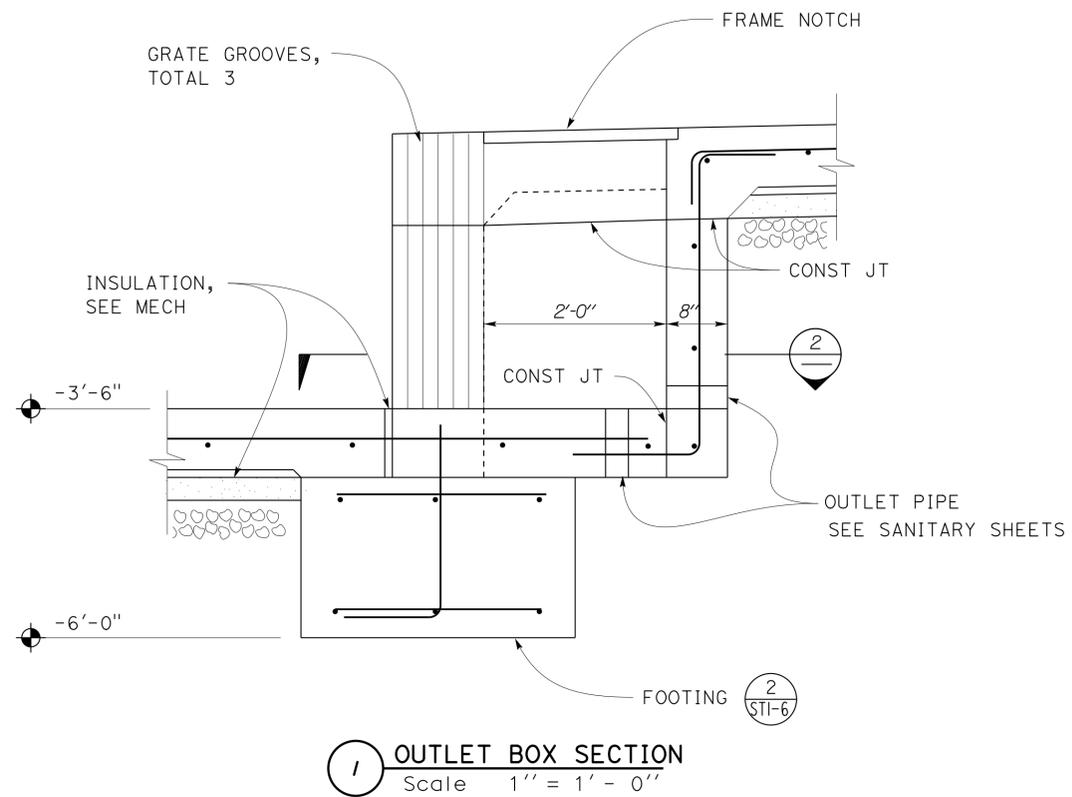
DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. VARIOUS
 POST MILE

DISTRICT 10 WASH RACKS PHASE 2
 WASH BUILDING
 MISCELLANEOUS DETAILS I

SHEET **ST1-9** OF

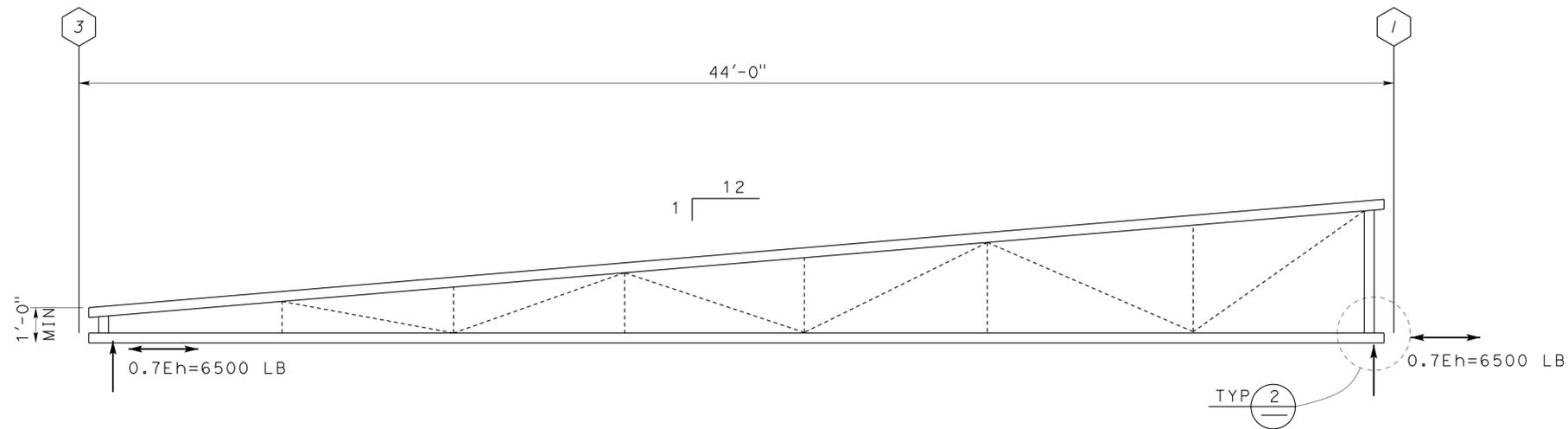
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	70	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



DESIGN BY TOM MESICH CHECKED DAI LU DETAILS BY TOM MESICH CHECKED DAI LU QUANTITIES BY _____ CHECKED _____	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET ST1-10
			VARIOUS		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3			PROJECT NUMBER & PHASE: 3599 10120001811	MISCELLANEOUS DETAILS 2	SHEET OF: _____
TAEMWW Imperial Rev. 7/10			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY): 10-03-12 01-10-13
EA 0X2101			D:\NTRM\Projects\10 WASH FACILITIES\DRAWINGS\Expd1fe\st1_10.dgn		

23-SEP-2013 07:39

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	71	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					



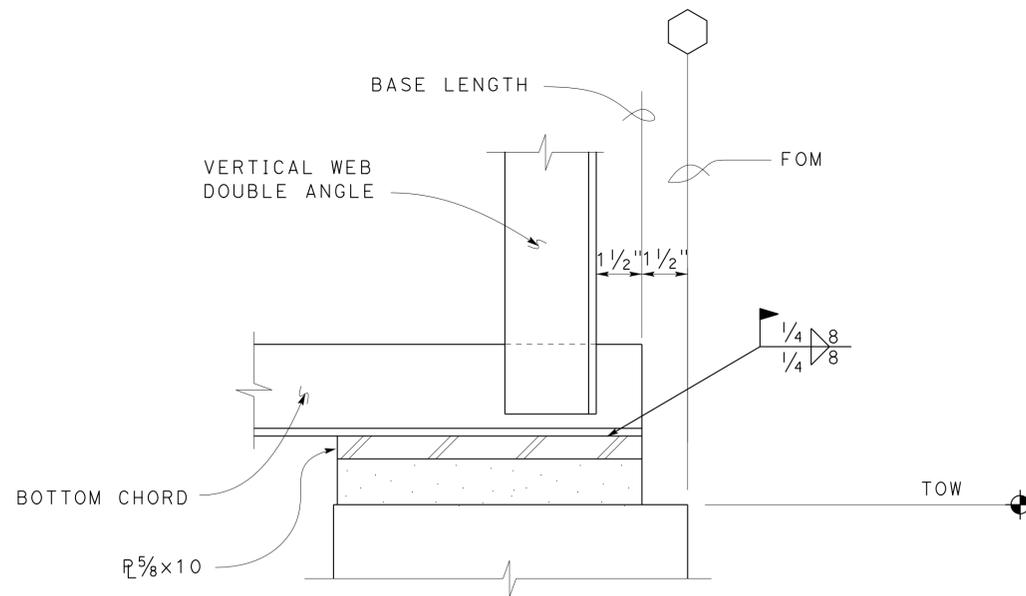
1 PROFILE
No Scale

A OPEN WEB STEEL JOIST REQUIREMENTS

UNIFORM LOADS:	TOP CHORD	BOTTOM CHORD	VERTICAL WEB
DEAD:	100 PLF	50 PLF	
SNOW:	1250 PLF		
WIND:	200 PLF UPWARD	100 PLF UPWARD	150 PLF

- DEFLECTION:
LIVE LOAD ----- L/360
TOTAL LOAD ----- L/240
- CAMBER SHALL BE 1.5 TIMES DEAD LOAD DEFLECTION
- TOP CHORD MUST BE DESIGNED TO ACCOMMODATE POWER DRIVEN PINS
- MANUFACTURER MUST DESIGN JOIST BRIDGING AND BRACING

↑ DENOTES POINT OF SUPPORT
 ↔ DENOTES LATERAL LOAD



2 JOIST SEAT
Scale 4" = 1'-0"

DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

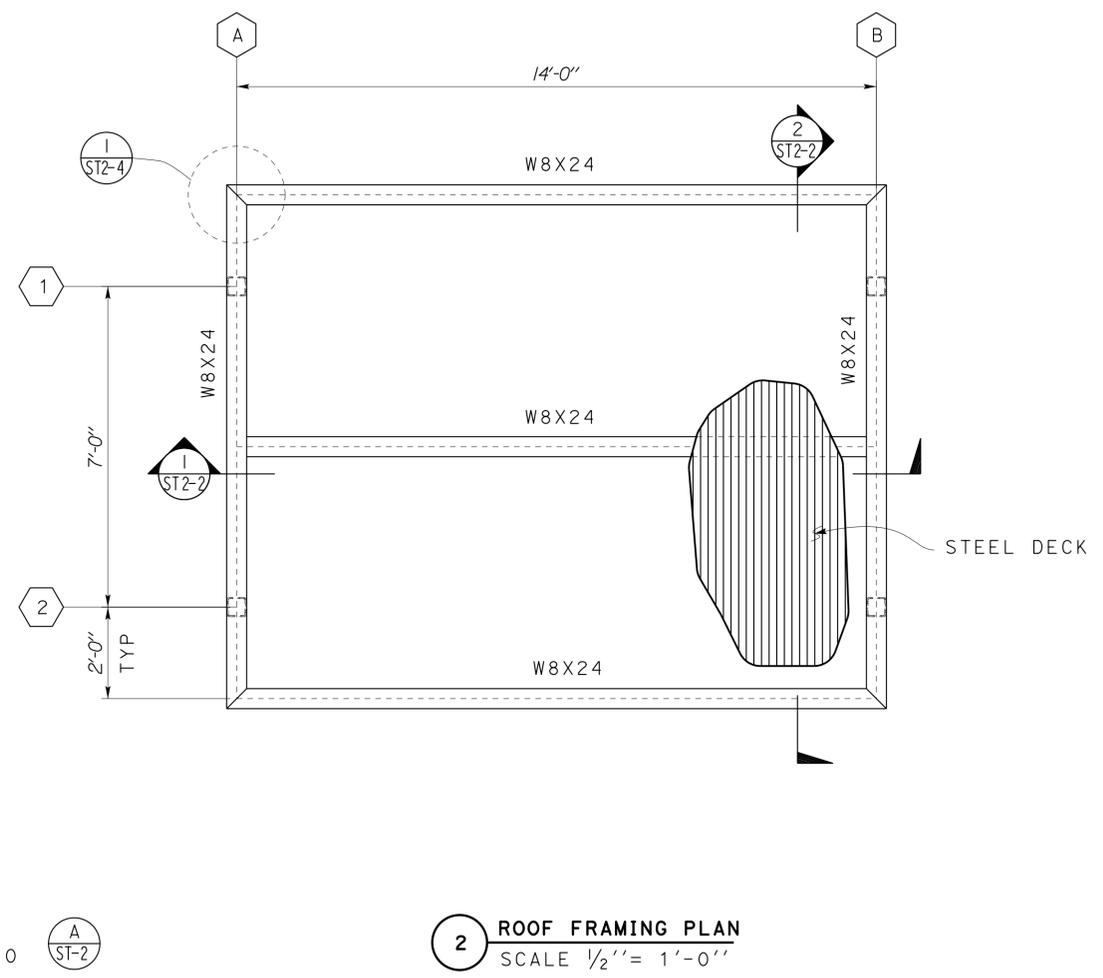
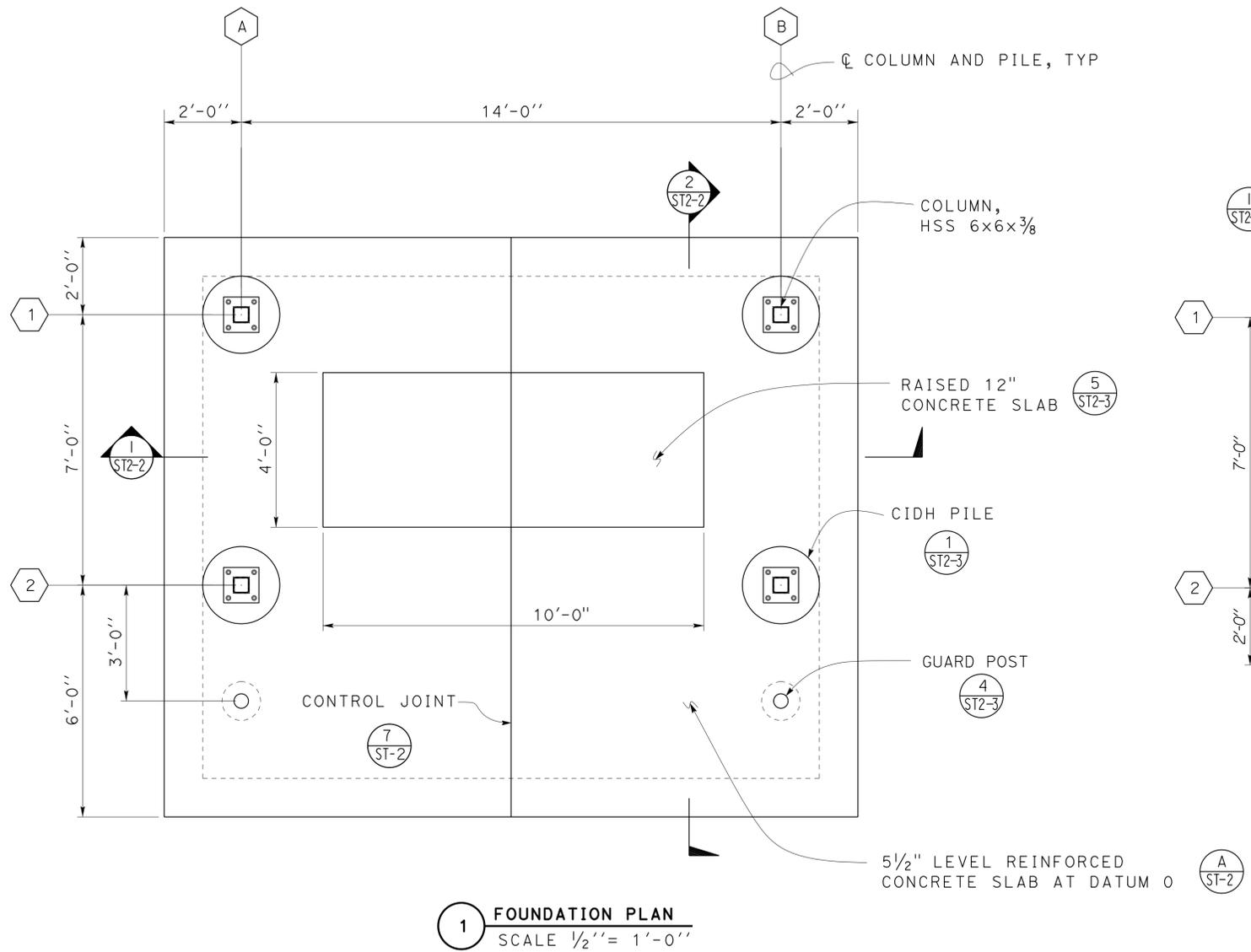
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. VARIOUS
POST MILE

DISTRICT 10 WASH RACKS PHASE 2
WASH BUILDING OPEN WEB STEEL JOIST

SHEET ST1-11 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	72	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					



NOTE:
 FOR CANOPY LOCATIONS, SEE ARCHITECTURAL SHEETS.
 DATUM 0 = FINISHED GRADE

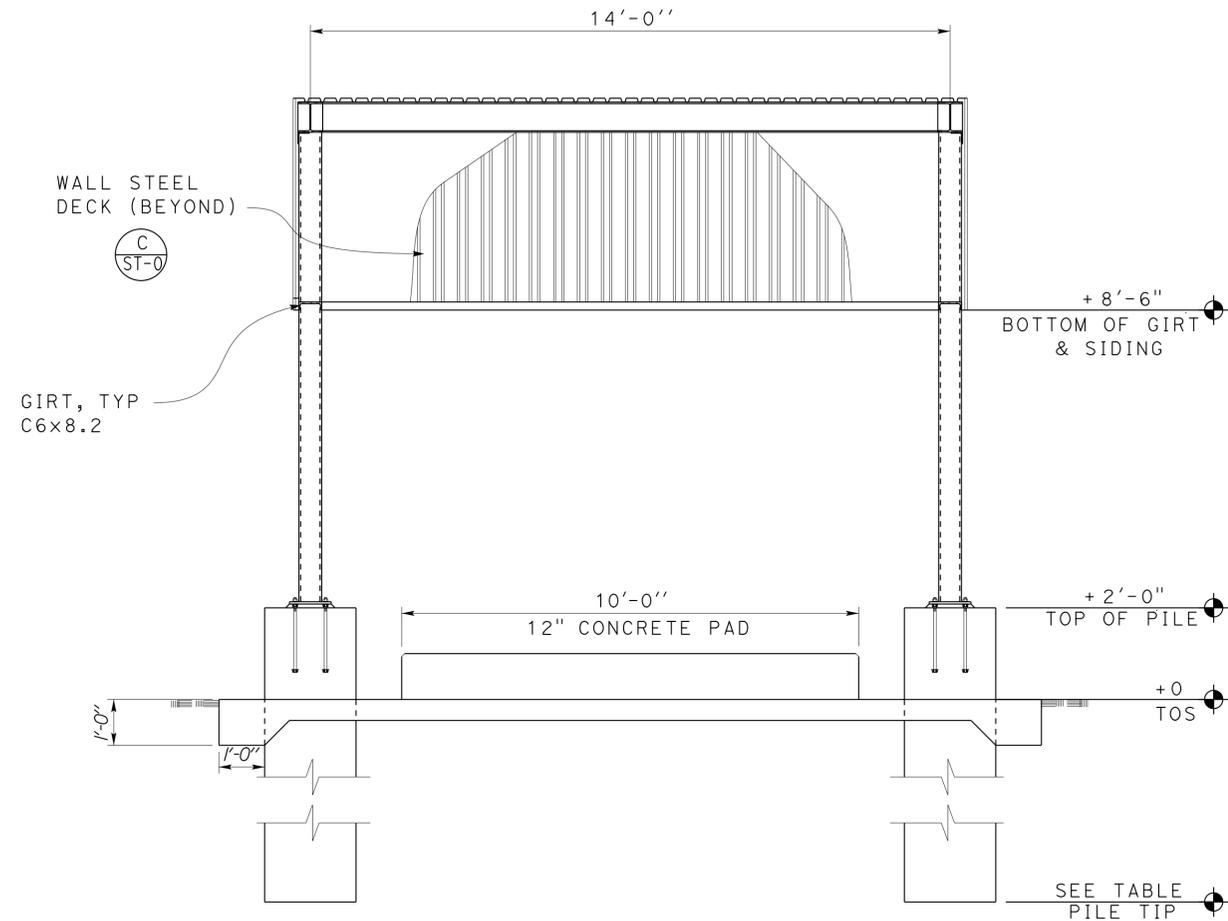
DESIGN BY TOM MESICH CHECKED DAI LU DETAILS BY TOM MESICH CHECKED DAI LU QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET OF ST2-1
			VARIOUS POST MILE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3599 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES: 10-03-12 01-10-13	REVISION DATES (PRELIMINARY STAGE ONLY)	
TAEMWW Imperial Rev. 7/10		EA 0X2101	D:\TRM\Projects\10 WASH FACILITIES\DRAWINGS\Expedite\st2_01.dgn		27-SEP-2013 16:46

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	73	187

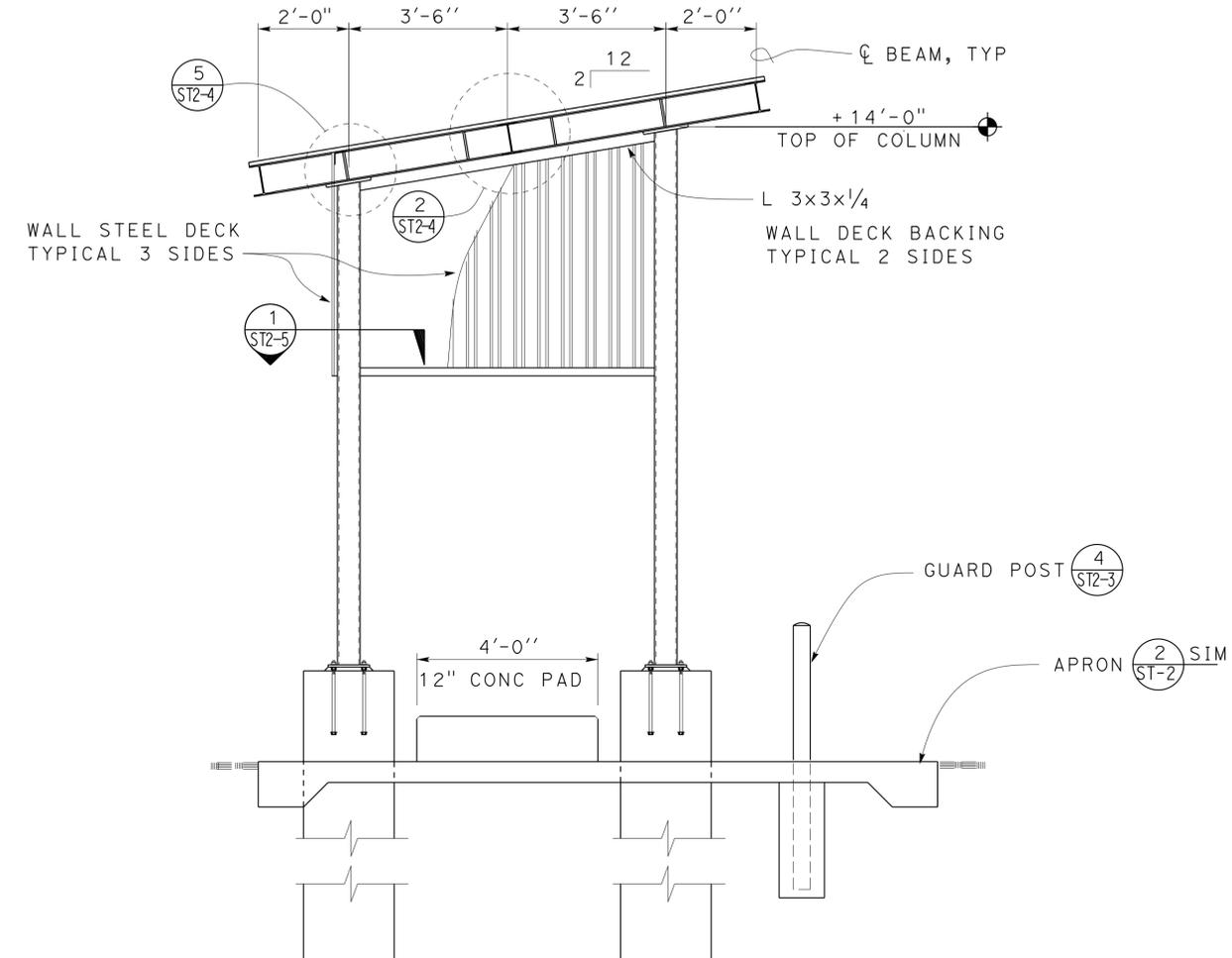
<i>Thomas Reich</i>	01-07-13
REGISTERED CIVIL ENGINEER	DATE

7-22-13
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.



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



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

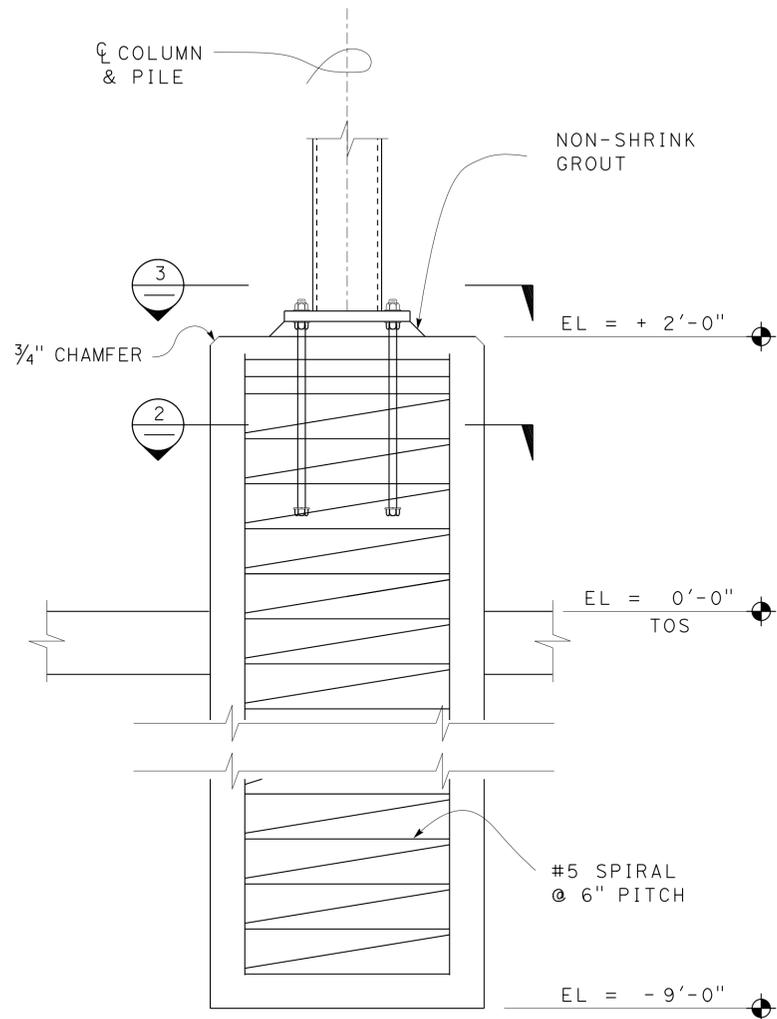
PILE DATA - CIDH CONCRETE PILE

LOCATION	TIP ELEVATION, FT
CAMP CONNELL	-7.5
PEDDLER HILL	-6.0 OR 2' INTO BEDROCK
WOODFORDS	-10.5

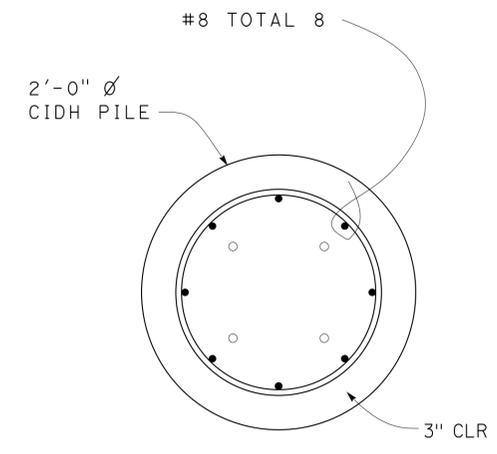
DESIGN BY TOM MESICH CHECKED DAI LU DETAILS BY TOM MESICH CHECKED DAI LU QUANTITIES BY _____ CHECKED _____	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. VARIOUS	DISTRICT 10 WASH RACKS PHASE 2 SECTIONS	SHEET OF ST2-2
			POST MILE		CANOPY
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3599 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES: 10-03-12 11-10-13	SHEET OF: _____ OF _____	

TAEMWW Imperial Rev. 7/10
 EA 0X2101
 D:\TRM\Projects\10 WASH FACILITIES\DRAWINGS\Expedite\st2_02.dgn

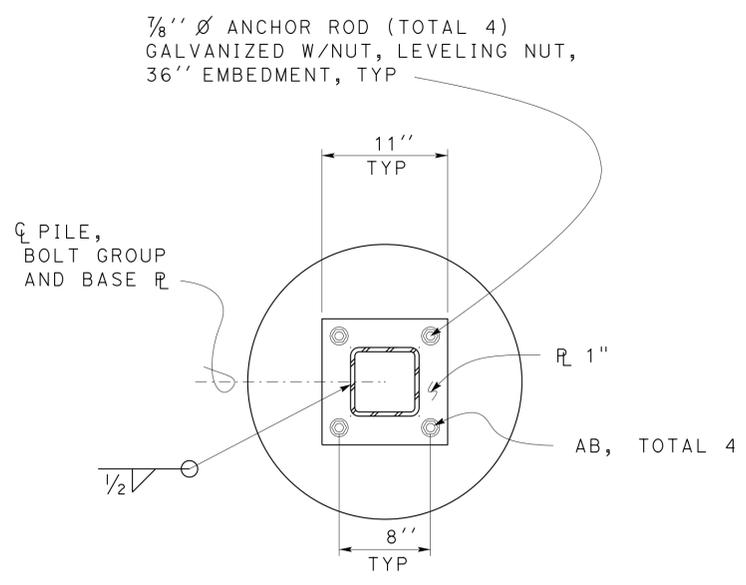
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	74	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



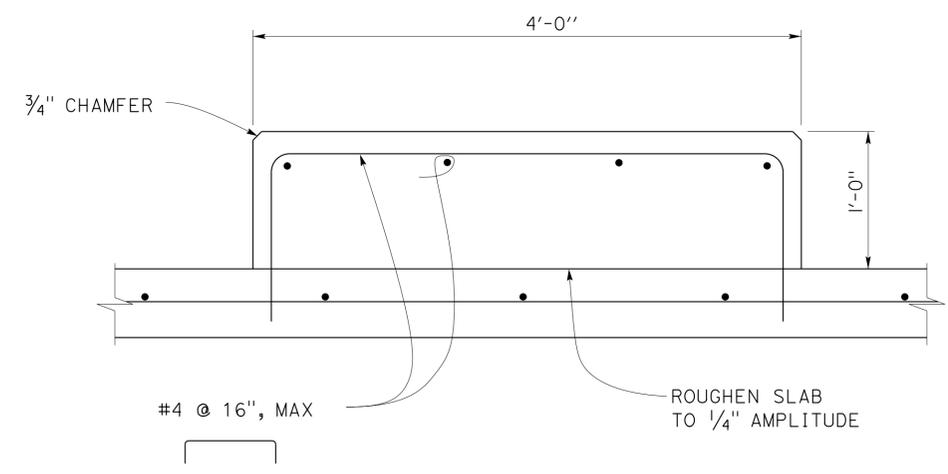
1 CIDH PILE
Scale 1 1/2" = 1'-0"



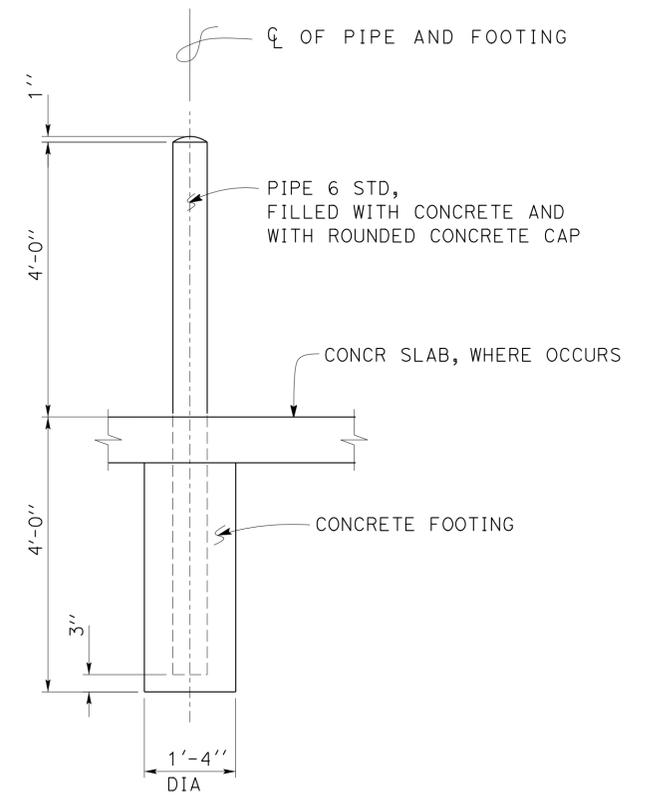
2 PILE SECTION
Scale 1 1/2" = 1'-0"



3 BASE PLATE
Scale 1 1/2" = 1'-0"



5 RAISED SLAB SECTION
Scale 1 1/2" = 1'-0"

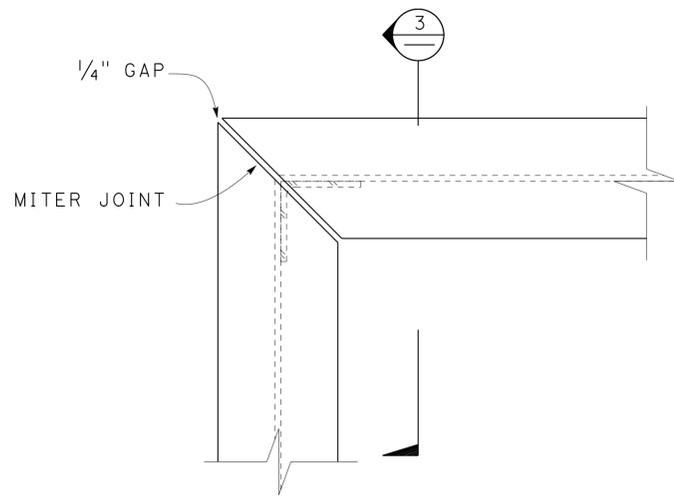


4 PIPE GUARD POST
Scale 3/4" = 1'-0"

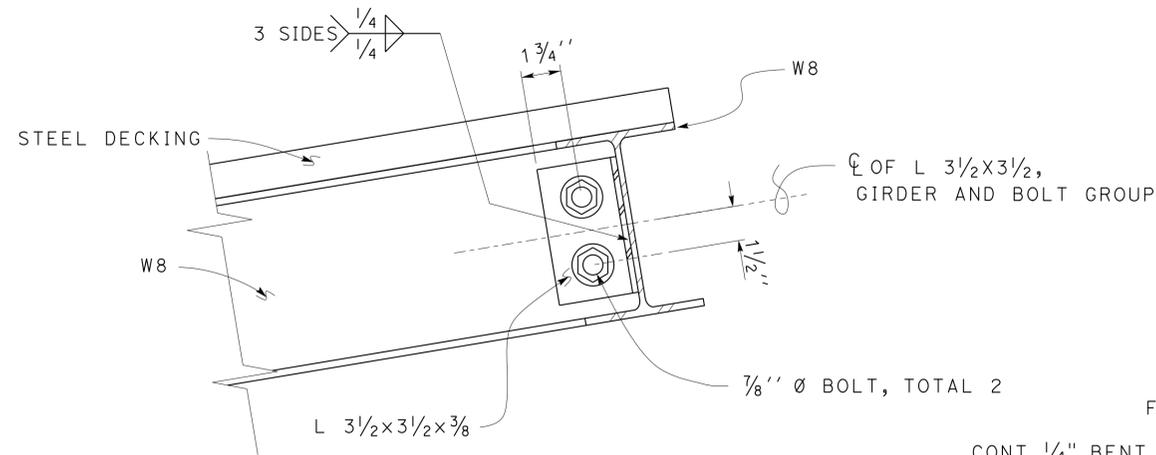
Guard post must meet 2010 CFC and NFPA 58 Section 380I, 3003.5, 312, Typ.

DESIGN	BY	TOM MESICH	CHECKED	DAI LU	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET OF ST2-3
	DETAILS	BY	TOM MESICH	CHECKED			DAI LU		
QUANTITIES	BY		CHECKED				POST MILE	CANOPY	FOUNDATION DETAILS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	
UNIT PROJECT NUMBER & PHASE					EA 0X2101	3599	10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	
TAEMWW Imperial Rev. 7/10					10-03-13		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
D:\TRM\Projects\10120001811\Drawings\Exp\1fe\st2_03.dgn									

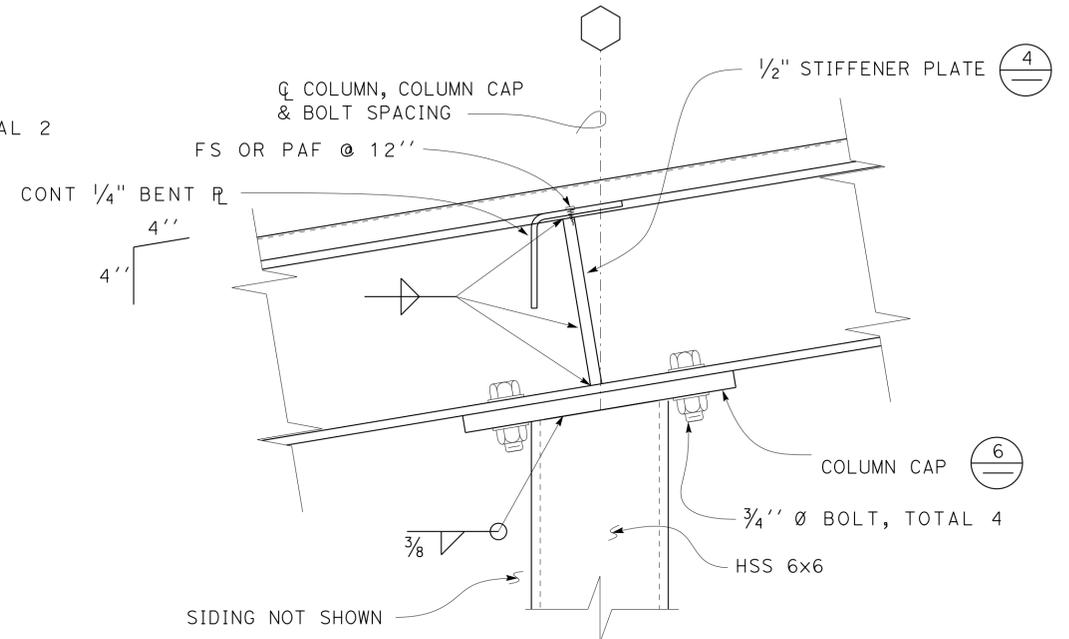
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	75	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



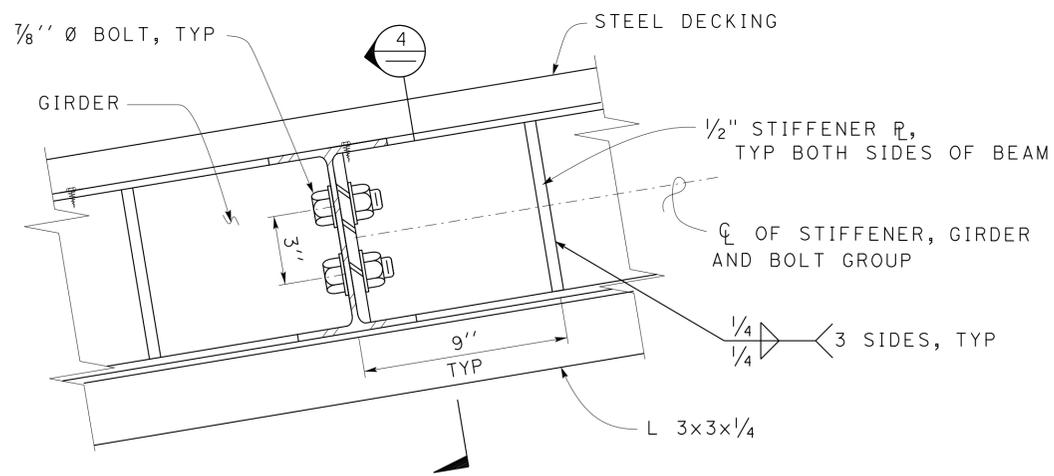
1 CORNER PLAN
Scale 3" = 1' - 0"



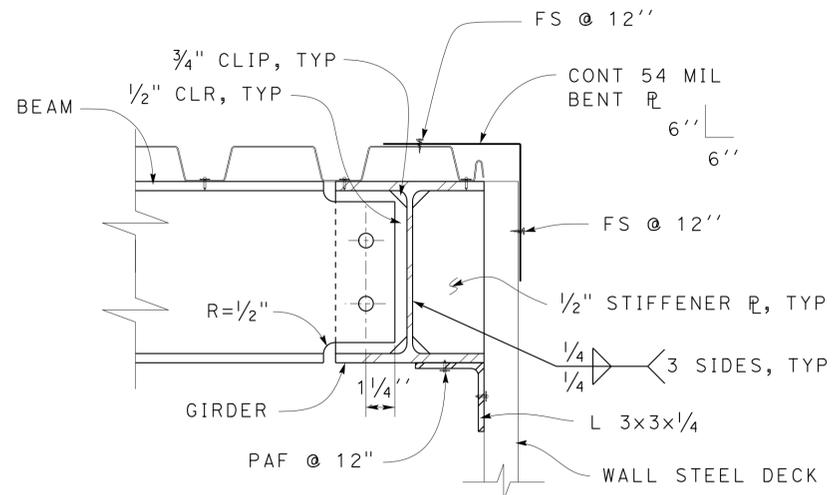
3 GIRDER AT CORNER
Scale 3" = 1' - 0"



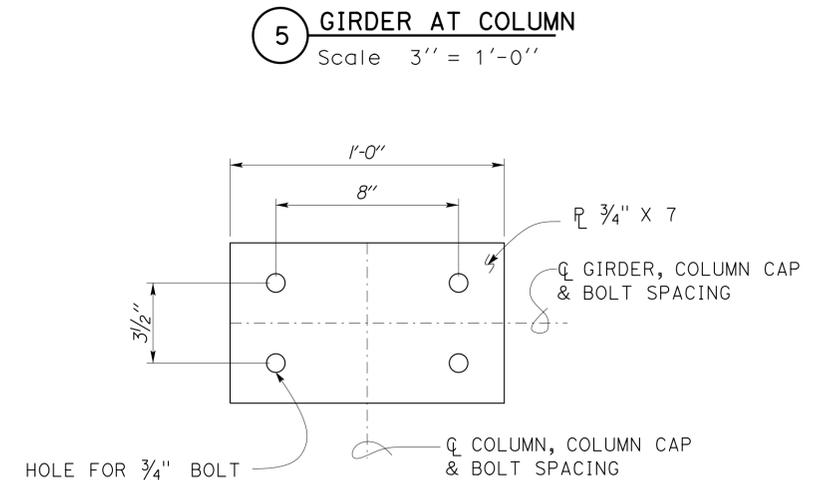
5 GIRDER AT COLUMN
Scale 3" = 1' - 0"



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



4 STIFFENER AT CONNECTION
Scale 3" = 1' - 0"



6 COLUMN CAP
Scale 3" = 1' - 0"

DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. VARIOUS
POST MILE

DISTRICT 10 WASH RACKS PHASE 2
CANOPY FRAMING DETAILS

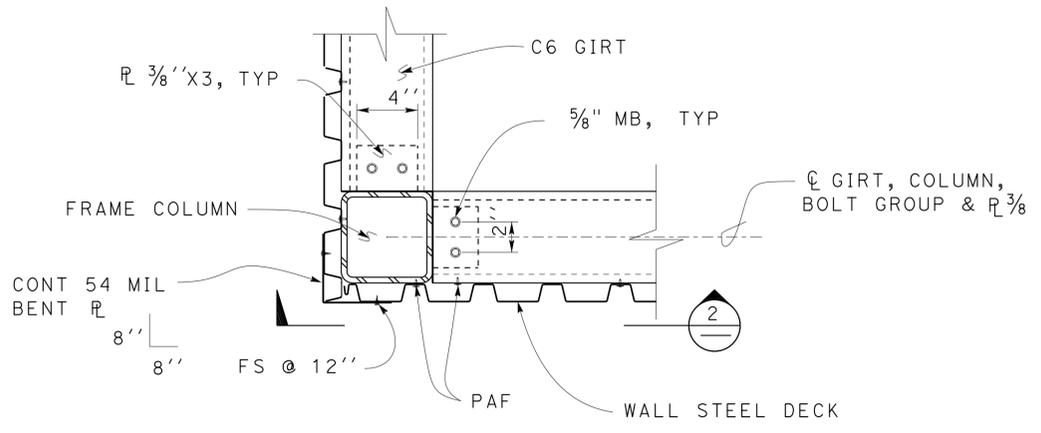
SHEET OF
ST2-4

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	76	187

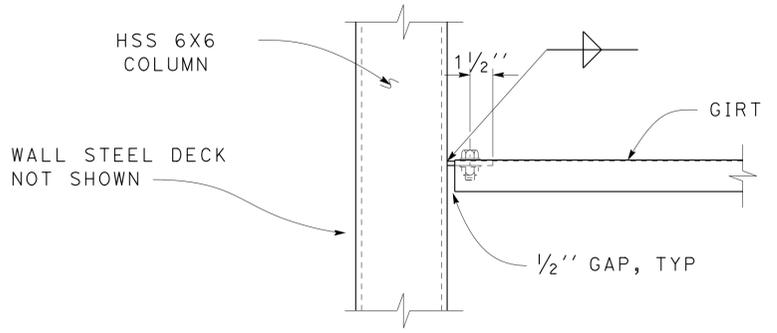
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER	01-07-13 DATE
--	------------------

7-22-13 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.



1 GIRT CONNECTION PLAN
SCALE 2'' = 1'-0''



2 GIRT CONNECTION ELEVATION
SCALE 2'' = 1'-0''

DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

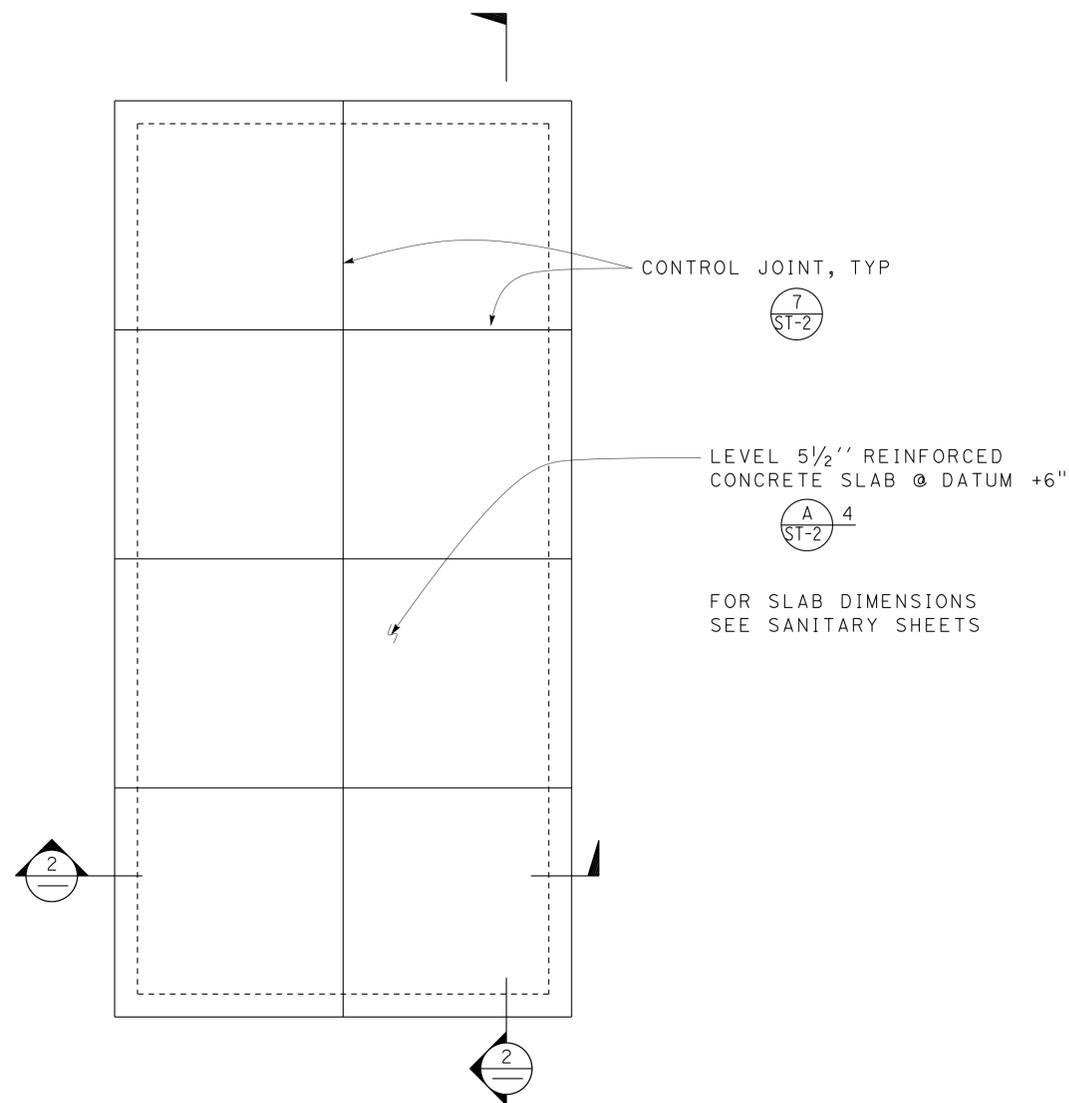
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	VARIOUS
POST MILE	

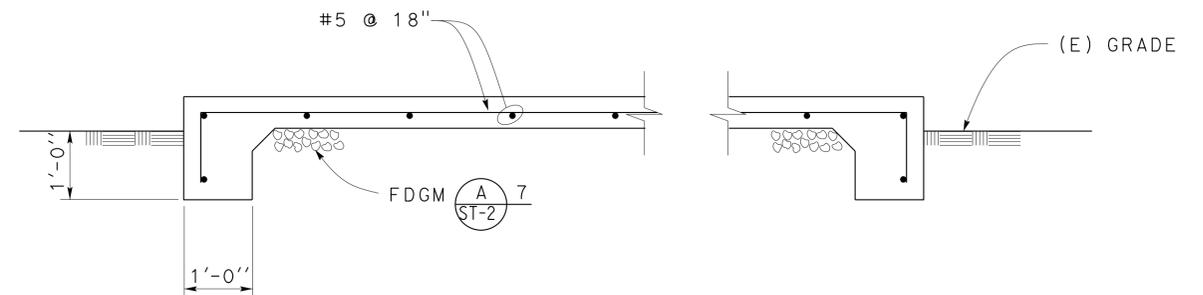
DISTRICT 10 WASH RACKS PHASE 2
CANOPY
WALL FRAMING DETAILS

SHEET **ST2-5**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alp, Ama, Cal	4,88	Var	77	187
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-07-13 DATE		
7-22-13 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.					



1 CONCRETE SLAB PLAN
 Scale $\frac{1}{4}'' = 1' - 0''$
 DATUM 0'-0'' = (E) GRADE



2 TYPICAL SECTION
 Scale $\frac{3}{4}'' = 1' - 0''$

DESIGN	BY TOM MESICH	CHECKED DAI LU
DETAILS	BY TOM MESICH	CHECKED DAI LU
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	VARIOUS
POST MILE	

DISTRICT 10 WASH RACKS PHASE 2
 TANK SLAB FOUNDATION PLAN AND DETAIL

SHEET **ST3-1**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alameda, Ca	4,88	Var	78	187

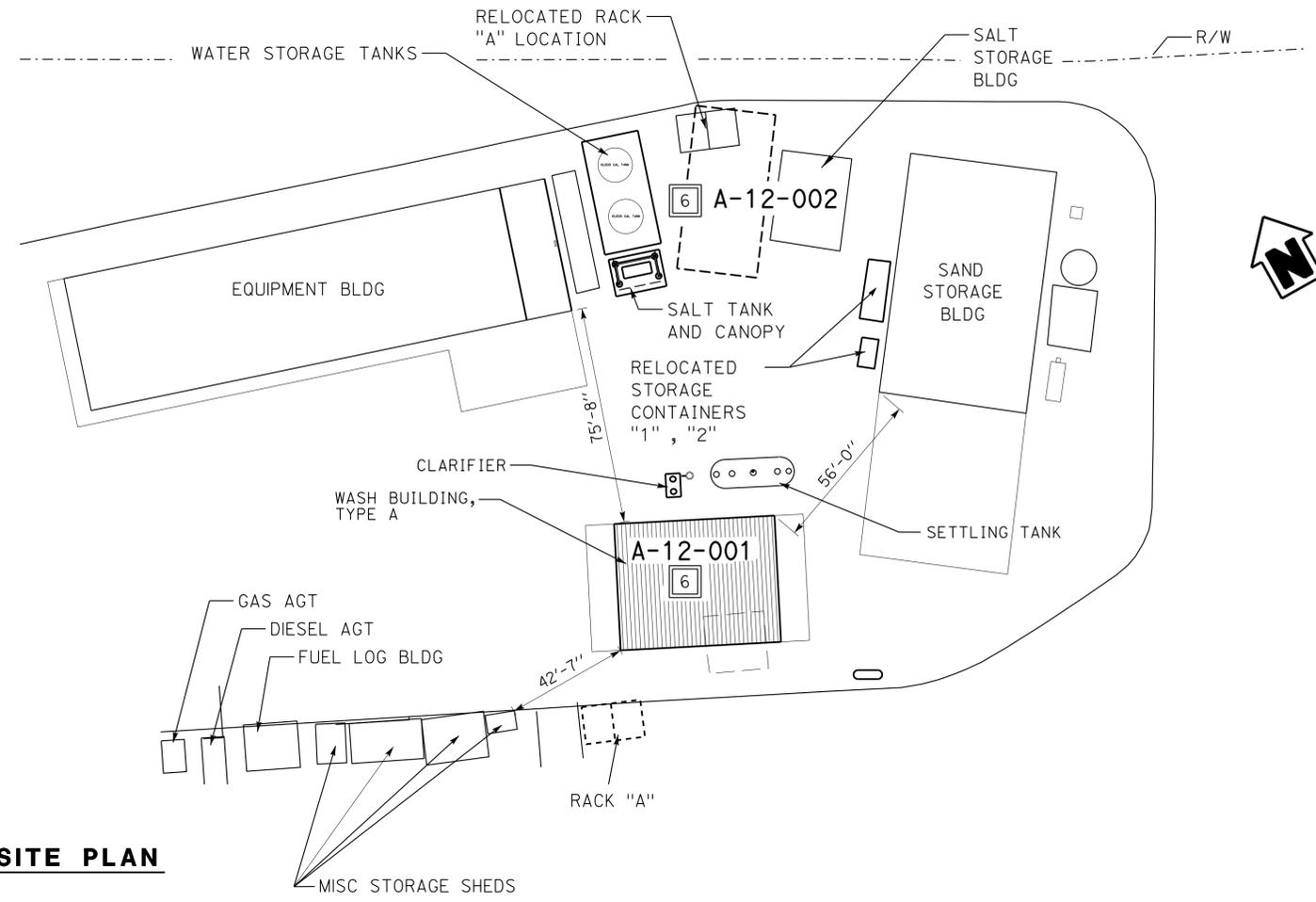
Chris Koepke 1-9-13
 CERTIFIED ENGINEERING GEOLOGIST DATE
 7-22-13
 PLANS APPROVAL DATE

Chris Koepke
 No. 2207
 Exp. 10-13-15
 CERTIFIED ENGINEERING GEOLOGIST
 STATE OF CALIFORNIA

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

BENCH MARK

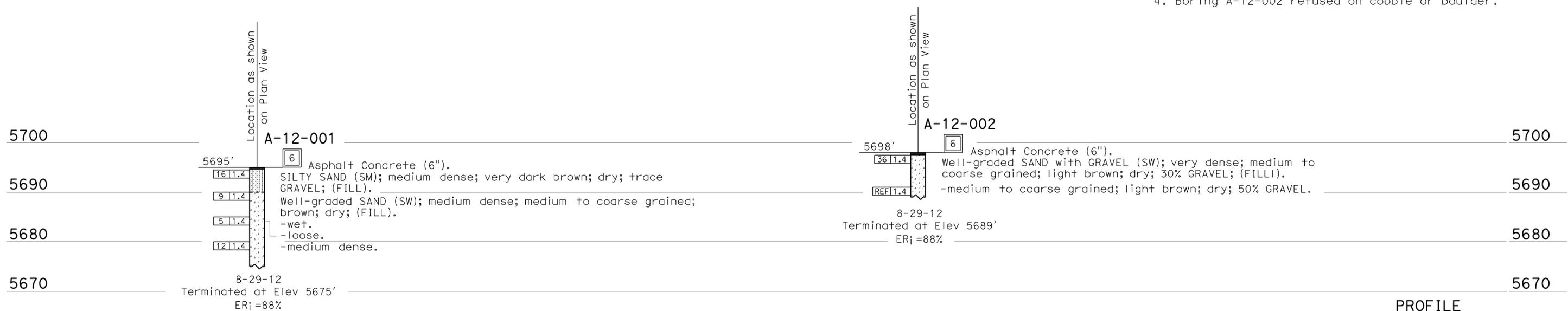
TBM Elev 5699'
 Set temporary elevation at SEC existing equipment building.



WOODFORDS MS SITE PLAN
 Not to Scale

NOTES:

1. No ground water encountered during field investigation.
2. Wet material encountered in boring A-12-001 is from abandoned leach field directly to the west.
3. Numerous hard cobbles observed at ground surface.
4. Boring A-12-002 refused on cobble or boulder.



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

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		WOODFORDS HMS WASH RACK PHASE 2	
FUNCTIONAL SUPERVISOR		DRAWN BY: I.G-Remmen		DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN		5725		LOG OF TEST BORINGS	
NAME: Q Huang		CHECKED BY: B. Barnes		FIELD INVESTIGATION BY: C. Koepke		DESIGN BRANCH X		POST MILE			
065 CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643		PROJECT NUMBER & PHASE: 10120001811		CONTRACT NO.: 10-0X2101		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
				0 1 2 3						REVISION DATES	
										SHEET OF	
										X X	

USERNAME => s128843 DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 07:40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alameda, Ca	4,88	Var	79	187

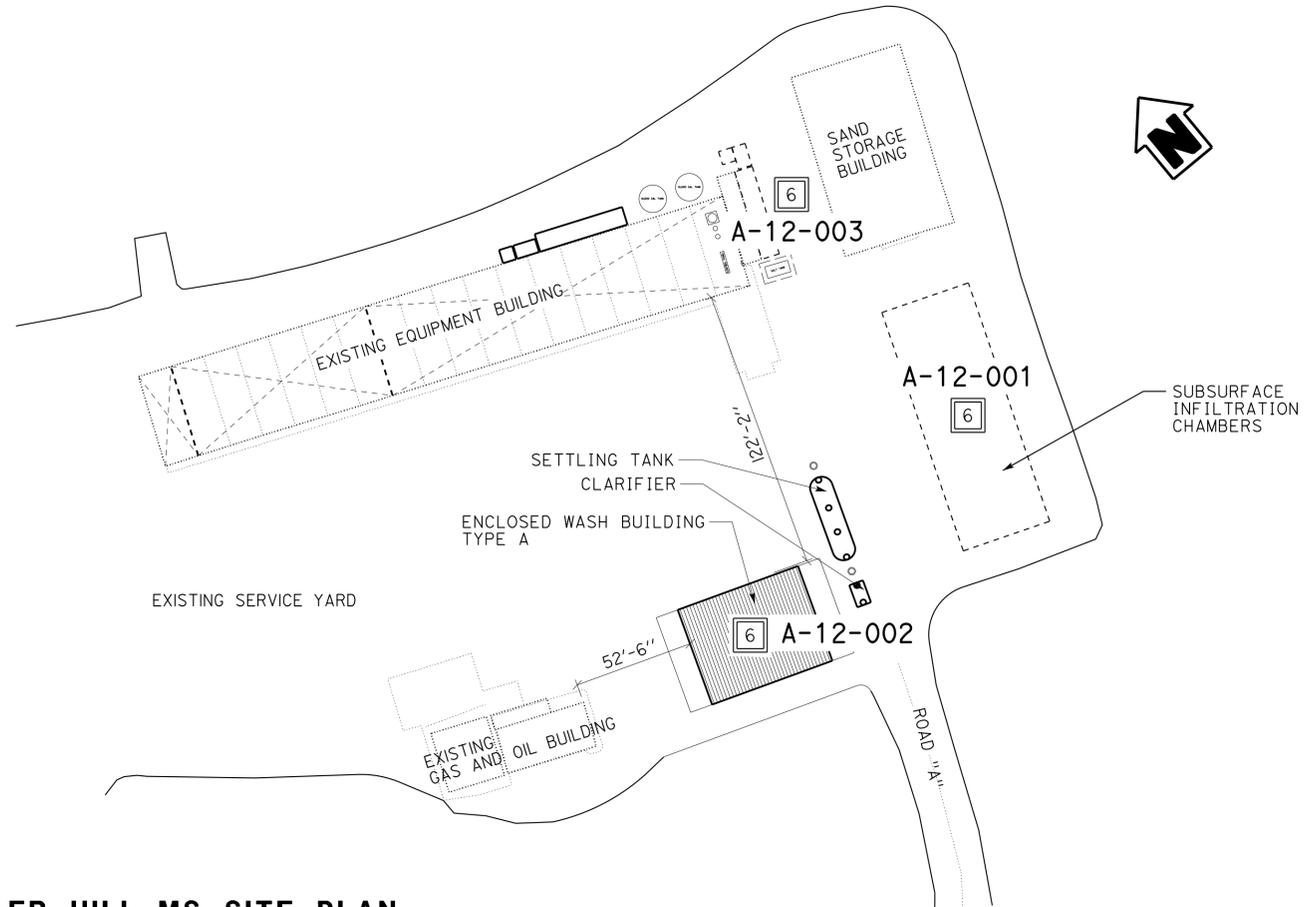
Chris Koepke 1-9-13
 CERTIFIED ENGINEERING GEOLOGIST DATE
 7-22-13
 PLANS APPROVAL DATE

Chris Koepke
 No. 2207
 Exp. 10-13-15
 CERTIFIED ENGINEERING GEOLOGIST
 STATE OF CALIFORNIA

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

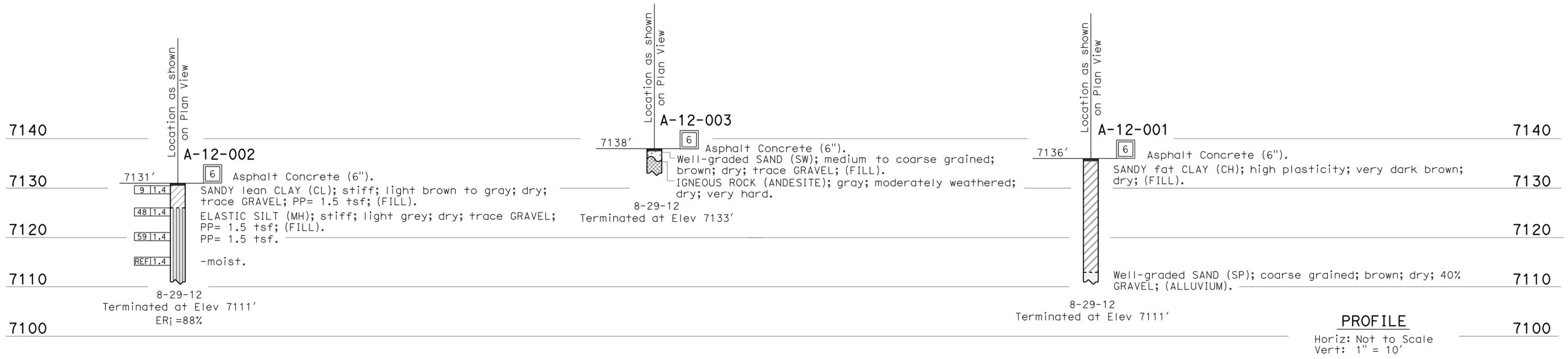
BENCH MARK

TBM Elev 7138'
 Set temporary elevation at SEC existing equipment building.



PEDDLER HILL MS SITE PLAN
 Not to Scale

- Notes:
- Boring A-12-001 was a percolation test boring to find water and determine soil type.
 - Boring A-12-003 refused on igneous rock.

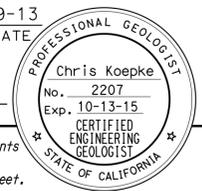


PROFILE
 Horiz: Not to Scale
 Vert: 1" = 10'

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		PEDDLER HILL HMS WASH RACK PHASE 2	
FUNCTIONAL SUPERVISOR		DRAWN BY: I.G-Remmen		DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN		5729		LOG OF TEST BORINGS	
NAME: Q Huang		CHECKED BY: B. Barnes		FIELD INVESTIGATION BY: C. Koepke		DESIGN BRANCH X		POST MILE			
065 CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643		PROJECT NUMBER & PHASE: 10120001811		CONTRACT NO.: 10-0x2101		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
				0 1 2 3						REVISION DATES	
										SHEET OF	
										01-09-13 X X	

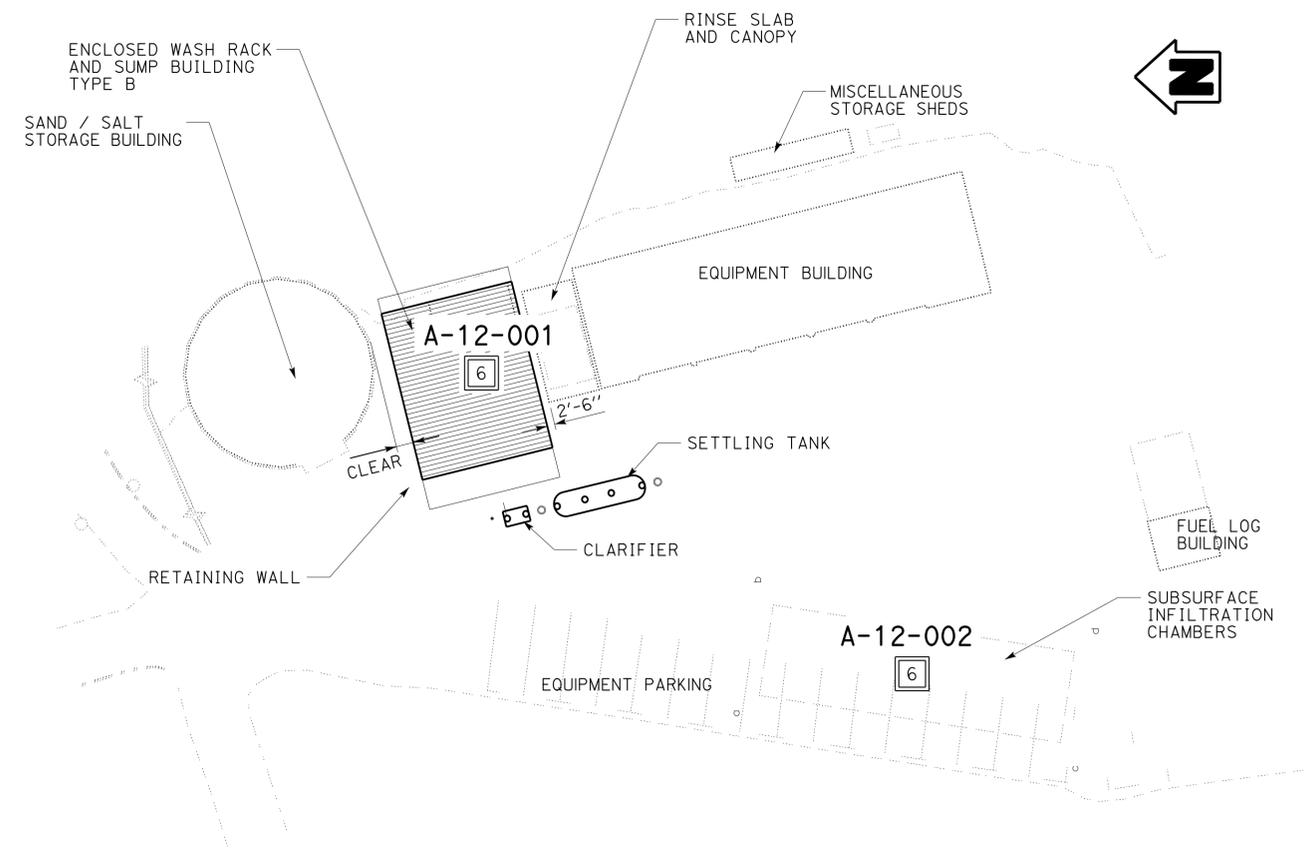
USERNAME => s128843 DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 07:40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alameda, Ca	4,88	Var	80	187
<i>Chris Koepke</i> CERTIFIED ENGINEERING GEOLOGIST			1-9-13	DATE	
7-22-13			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.					



BENCH MARK

TBM Elev 2482'
 Set temporary elevation at NWC existing equipment building.

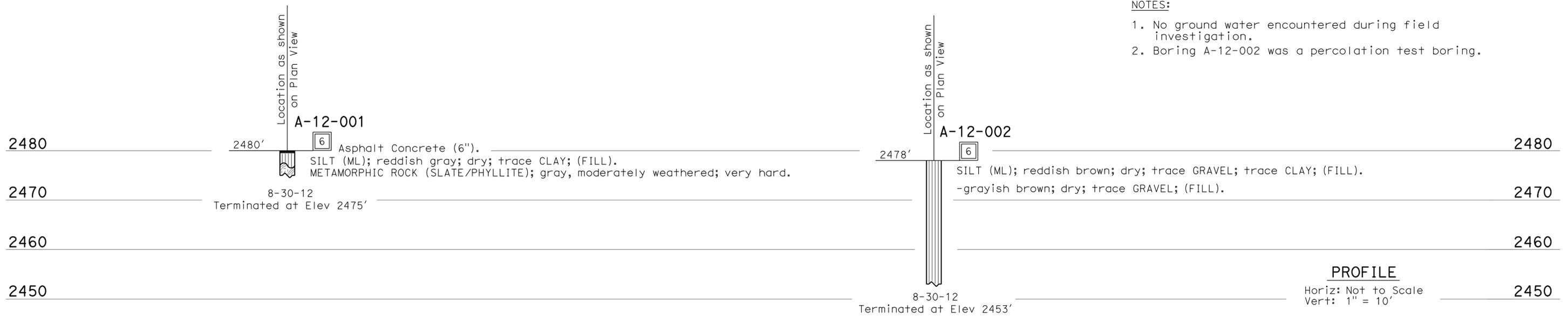


PINE GROVE MS SITE PLAN

Not to Scale

NOTES:

1. No ground water encountered during field investigation.
2. Boring A-12-002 was a percolation test boring.



PROFILE

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

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		PINE GROVE HMS WASH RACK PHASE 2	
FUNCTIONAL SUPERVISOR		DRAWN BY: I.G-Remmen		FIELD INVESTIGATION BY:		STRUCTURE DESIGN		5718		LOG OF TEST BORINGS	
NAME: Q Huang		CHECKED BY: B. Barnes		C. Koepke		DESIGN BRANCH X		POST MILE			
065 CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		UNIT: 3643		PROJECT NUMBER & PHASE: 10120001811		CONTRACT NO.: 10-0x2101	
						DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET OF	
								01-09-13		X X	

USERNAME => s128843 DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 07:40

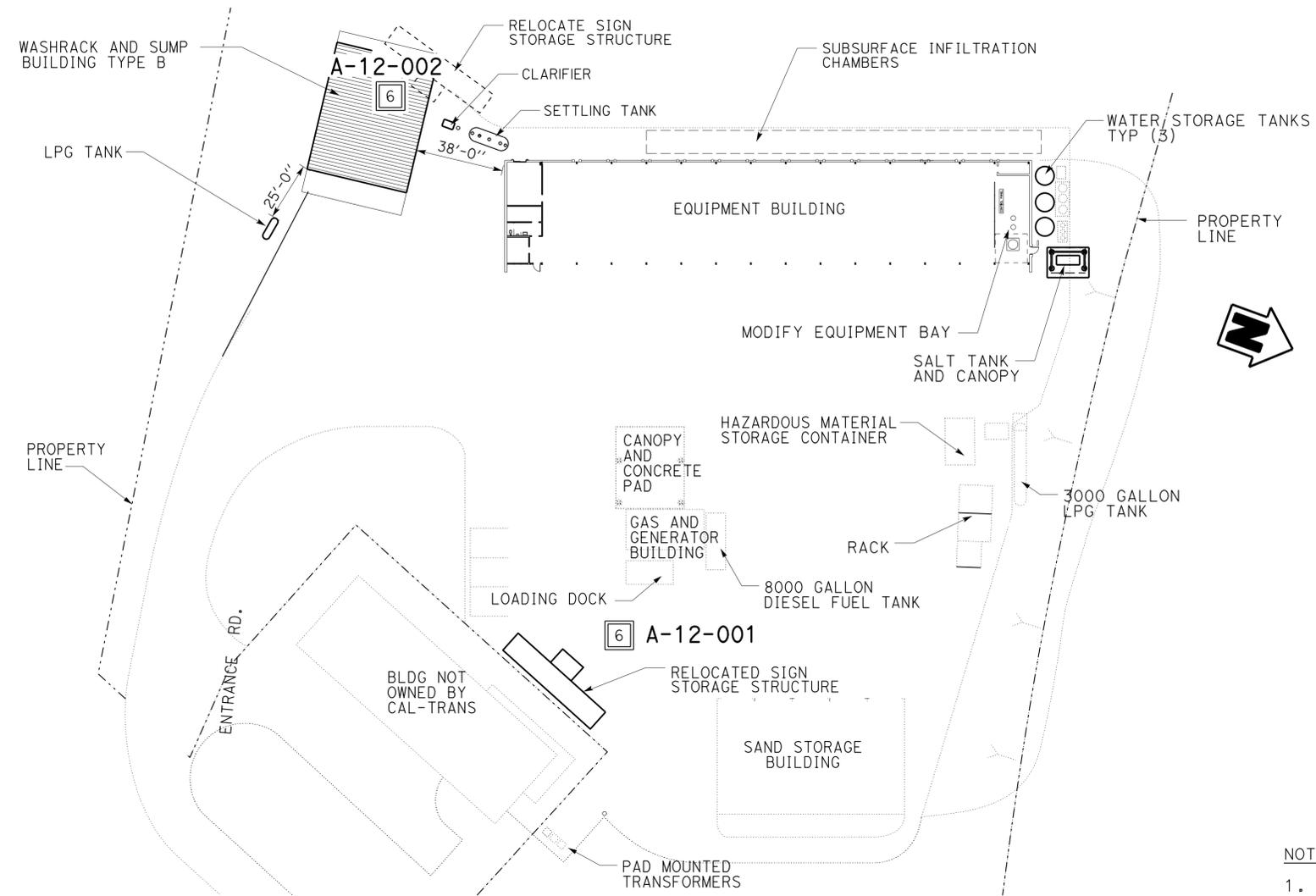
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Alameda, Ca	4,88	Var	81	187

Chris Koepke
 CERTIFIED ENGINEERING GEOLOGIST
 DATE 1-9-13
 7-22-13
 PLANS APPROVAL DATE

PROFESSIONAL GEOLOGIST
 Chris Koepke
 No. 2207
 Exp. 10-13-15
 CERTIFIED ENGINEERING GEOLOGIST
 STATE OF CALIFORNIA

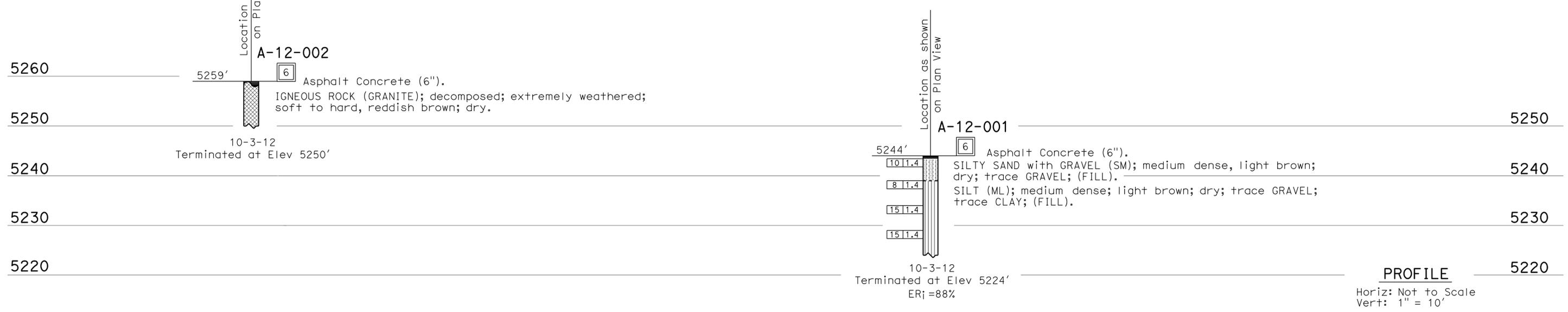
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

BENCH MARK
 TBM Elev 5260'
 Set temporary elevation at SWC existing equipment building.



CAMP CONNELL MS SITE PLAN
 Not to Scale

- NOTES:**
- No ground water encountered during field investigation.
 - Boring A-12-001 was a percolation test boring.



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

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		CAMP CONNELL HMS WASH RACK PHASE 2	
FUNCTIONAL SUPERVISOR		DRAWN BY: I.G-Remmen		DEPARTMENT OF TRANSPORTATION		BRIDGE NO. 5726		LOG OF TEST BORINGS	
NAME: Q Huang		CHECKED BY: B. Barnes		FIELD INVESTIGATION BY: C. Koepke		DESIGN BRANCH X			
OGS CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643		PROJECT NUMBER & PHASE: 10120001811		CONTRACT NO.: 10-0x2101	
				DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET OF	
						01-09-13		X X	

FILE => s+4_campconnell_L0TB.dgn

USERNAME => s1119571 DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:56

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	82	187

<i>Shahjahan Ali</i>		01/04/13
REGISTERED MECHANICAL ENGINEER	DATE	

7-22-13
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.

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: *David P. Casiano*
INGRID P. CASIANO

Approval date: 04-10-13

CSFM No.
N-12-1027, N-12-1028,
N-12-1029, N-12-1030



PLUMBING

— — — — —	COLD WATER
— A — — —	COMPRESSED AIR
— G — — —	Gas
— D — — —	EQUIPMENT DRAIN
— F — — —	FIRE WATER
— — — — —	HOT WATER
— — — — —	HOT WATER RETURN
— LPG — —	LIQUIFIED PETROLEUM GAS
— R — — —	RELIEF VALVE DISCHARGE PIPE
— SS — — —	SANITARY SEWER
—————	SANITARY SEWER (ABOVE GRADE)
—————	SANITARY SEWER (BELOW GRADE)
— — — — —	SANITARY SEWER VENT

PIPE FITTINGS AND VALVES

	CAP, THREADED
	ELBOW, TURNED DOWN
	ELBOW, TURNED UP
	REDUCER, CONCENTRIC
	PRESSURE GAUGE (WITH VALVE AND SNUBBER)
	STRAINER
	UNION
	UNION, INSULATING
	VALVE, BALL
	VALVE, CHECK
	VALVE, GAS
	VALVE, GATE
	VALVE, SAFETY RELIEF
	VALVE, PRESSURE REDUCING
	VALVE, PRESSURE/TEMPERATURE RELIEF
	WATER HAMMER ARRESTOR

MECHANICAL ABBREVIATIONS

A/C	AIR CONDITIONING	Ga	GAUGE	R	RADIUS
ABS	ACRYLONITRILE BUTADIENE STYRENE	Galv	GALVANIZED	Reg	REGISTER
AC	ASPHALT CONCRETE	GLV	GLOBE VALVE	RA	RETURN AIR
AD	AIR DROP	GPM	GALLONS PER MINUTE	RCP	REINFORCED CONCRETE PIPE
AP	ALTERNATIVE PIPE	GSP	GALVANIZED STEEL PIPE	Req	REQUIRED
ATF	AUTOMATIC TRANSMISSION FLUID	GV	GATE VALVE	RH	RADIANT HEATER
AWG	AMERICAN WIRE GAUGE	GWH	GAS WATER HEATER	RV	RELIEF VALVE
		Gyp	GYPSUM		
BFP	BACKFLOW PREVENTER	H	HEIGHT	S/S	SERVICE SINK
Bl dg	BUILDING	HB	HYDRANT BOX	SA	SUPPLY AIR
BTU	BRITISH THERMAL UNIT	H/C	HOT WATER, HIGH PRESSURE CLEANER	Sch	SCHEDULE
BTUH	BRITISH THERMAL UNIT PER HOUR	HF	HOSE FAUCET	SDS	SANITARY DUMP STATION
BV	BALANCING VALVE	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SF	SUPPLY FAN
C	CONDUIT	HW	HOT WATER	Shr	SHOWER
CD	CEILING DIFFUSER	HZ	HERTZ	SP	STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	ID	INSIDE DIAMETER	SS	SANITARY SEWER
CI	CAST-IRON	IE	INVERT ELEVATION	Sta	STATION
CO	CLEANOUT	In	INCH	Std	STANDARD
COTF	CLEANOUT THROUGH FLOOR	IVF	INDUSTRIAL VENTILATION FAN	TCV	TEMPERATURE CONTROL VALVE
COTG	CLEANOUT THROUGH GRADE			To t	TOTAL
COTW	CLEANOUT TO WALL	KS	KITCHEN SINK	TS	TIME SWITCH
CV	CHECK VALVE			Typ	TYPICAL
CW	COLD WATER	Lav	LAVATORY	UH	UNIT HEATER
		LPG	LIQUIFIED PETROLEUM GAS	Uri	URINAL
D	DEPTH	Max	MAXIMUM	V	VENT
DB	DRY BULB	Man	MANHOLE	VAC	VOLTAGE, ALTERNATING CURRENT
DF	DRINKING FOUNTAIN	Min	MINIMUM	VB	VALVE BOX
DH	DUCT HEATER	NIC	NOT IN CONTRACT	VR	VENT RISER
DIA	DIAMETER	No.	NUMBER	VTR	VENT THRU ROOF
(E)	EXISTING	NPT	NATIONAL PIPE THREAD	W	WIDTH
EA	EXHAUST AIR	NST	NATIONAL STANDARD THREAD	W/	WITH
EEW	EMERGENCY EYEWASH AND SHOWER	OA	OUTSIDE AIR	W/O	WITHOUT
EF	EXHAUST FAN	OC	ON CENTER	WB	WET BULB
EI	ELEVATION	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
EWC	ELECTRIC WATER COOLER	OG	ORIGINAL GROUND	W.C.	WATER COLUMN
EW	ELECTRIC WATER HEATER	PCC	PORTLAND CEMENT CONCRETE	WH	WALL HEATER
		Ph	PHASE	WHA	WATER HAMMER ARRESTOR
FC	FLEXIBLE CONNECTION	PRV	PRESSURE REDUCING VALVE	WLS	WATER LEVEL SWITCH
FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH	WP	WEATHERPROOF
FDC	FIRE DEPARTMENT CONNECTION	PVC	POLYVINYL CHLORIDE	WS	WASH SINK
FE	FIRE EXTINGUISHER			WSP	WELDED STEEL PIPE
FG	FINISH GRADE				
FH	FIRE HYDRANT				
FL	FLOW LINE				
FS	Flow Switch				

HEATING, VENTILATING AND AIR CONDITIONING

	BALANCE DAMPER
	FLEXIBLE DUCT
— EA — — —	EXHAUST AIR
— RA — — —	RETURN AIR
— SA — — —	SUPPLY AIR
	EXHAUST REGISTER
	RETURN
	SUPPLY DIFFUSER
	THERMOSTAT
	TIME SWITCH
	ANODE TEST STATION
	THREE WIRE TEST STATION
	EXHAUST FAN
	FIRE EXTINGUISHER

MISCELLANEOUS

L	ANGLE
⊕	CENTERLINE
∅	DIAMETER
	SECTION / ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI	CHECKED JACK WHEELER	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET
				VARIOUS		
DETAILS BY A. CHEN	CHECKED JACK WHEELER	DEPARTMENT OF TRANSPORTATION	ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	ABBREVIATIONS AND LEGENDS	MO-0
QUANTITIES BY SHAHJAHAN ALI	CHECKED JACK WHEELER	UNIT PROJECT NUMBER & PHASE	3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEMWW Imperial Rev. 7/10	FILE => M0_0.dgn	DATE PLOTTED => 23-SEP-2013	TIME PLOTTED => 12:42	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	EA 0X2101

23-SEP-2013 12:42 M0_0.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	83	187

Shahjahan Ali 01/04/13
 REGISTERED MECHANICAL ENGINEER DATE

7-22-13
 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.



CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST		(Part 1 of 4)	MECH-1C
Project Name Woodfords MS Wash Rack		Date 12/6/2012	
Project Address State Route 88 Woodfords	Climate Zone 16	Total Cond. Floor Area 2,464	Addition Floor Area n/a
GENERAL INFORMATION			
Building Type: <input checked="" type="checkbox"/> Nonresidential <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Hotel/Motel Guest Room			
<input type="checkbox"/> Schools (Public School) <input type="checkbox"/> Relocatable Public School Bldg. <input checked="" type="checkbox"/> Conditioned Spaces <input type="checkbox"/> Unconditioned Spaces (affidavit)			
Phase of Construction: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Alteration			
Approach of Compliance: <input type="checkbox"/> Component <input type="checkbox"/> Overall Envelope TDV Energy <input type="checkbox"/> Unconditioned (file affidavit)			
Front Orientation: N, E, S, W or in Degrees: 0 deg			
HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment²	Inspection Criteria	Meets Criteria or Requirements	
		Pass	Fail - Describe Reason²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	<i>Lochinvar EWL200PM-F7</i>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	<i>Gas Fired HW Boiler</i>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	<i>1</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	<i>199,999 Btu/hr</i>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	<i>204 %</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment²	Inspection Criteria	Pass	Fail - Describe Reason²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	<i>System Hydronic</i>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	<i>Hydronic Heat Pump</i>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	<i>1</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	<i>188,000 Btu/hr</i>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	<i>4.20 COP</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	<i>0 Btu/hr</i>	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	<i>No Economizer</i>	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	<i>Setback Required</i>	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	<i>Constant Volume</i>	<input type="checkbox"/>	<input type="checkbox"/>
1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes. 2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked. 3. Indicate Equipment Type: Gas (Pkg or, Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.			
EnergyPro 5.1 by EnergySoft User Number: 3478 RunCode: 2012-12-06T10:54:58 ID: 1 Page 13 of 29			

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST		(Part 1 of 4)	MECH-1C
Project Name Peddler Hill MS Wash Rack		Date 12/6/2012	
Project Address State Route 88 Pioneer	Climate Zone 16	Total Cond. Floor Area 2,464	Addition Floor Area n/a
GENERAL INFORMATION			
Building Type: <input checked="" type="checkbox"/> Nonresidential <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Hotel/Motel Guest Room			
<input type="checkbox"/> Schools (Public School) <input type="checkbox"/> Relocatable Public School Bldg. <input checked="" type="checkbox"/> Conditioned Spaces <input type="checkbox"/> Unconditioned Spaces (affidavit)			
Phase of Construction: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Alteration			
Approach of Compliance: <input type="checkbox"/> Component <input type="checkbox"/> Overall Envelope TDV Energy <input type="checkbox"/> Unconditioned (file affidavit)			
Front Orientation: N, E, S, W or in Degrees: 0 deg			
HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment²	Inspection Criteria	Meets Criteria or Requirements	
		Pass	Fail - Describe Reason²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	<i>Lochinvar EWL200PM-F7</i>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	<i>Gas Fired HW Boiler</i>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	<i>1</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	<i>199,999 Btu/hr</i>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	<i>204 %</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment²	Inspection Criteria	Pass	Fail - Describe Reason²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	<i>System Hydronic</i>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	<i>Hydronic Heat Pump</i>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	<i>1</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	<i>188,000 Btu/hr</i>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	<i>4.20 COP</i>	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	<i>0 Btu/hr</i>	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	<i>n/a</i>	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	<i>No Economizer</i>	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	<i>Setback Required</i>	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	<i>Constant Volume</i>	<input type="checkbox"/>	<input type="checkbox"/>
1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes. 2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked. 3. Indicate Equipment Type: Gas (Pkg or, Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.			
EnergyPro 5.1 by EnergySoft User Number: 3478 RunCode: 2012-12-06T11:16:29 ID: 1 Page 13 of 28			

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: *Greg P. Castano*
 INGRID P. CASTANO
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY: SHAHJAHAN ALI	CHECKED: JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S. PEDDLER HILL M.S.	SHEET
DETAILS BY: A. CHEN	CHECKED: JACK WHEELER		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		OF
QUANTITIES BY: SHAHJAHAN ALI	CHECKED: JACK WHEELER		UNIT PROJECT NUMBER & PHASE: 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
TAEMWW Imperial Rev. 7/10	FILE => M0_1.dgn DATE PLOTTED => 23-SEP-2013	TIME PLOTTED => 08:56	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3	EA 0X2101		MO-1

23-SEP-2013 08:56

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

Project Name: **Pine Grove MS Wash Rack** Date: **12/6/2012**
 Project Address: **State Route 88 Pine Grove** Climate Zone: **12** Total Cond. Floor Area: **2,464** Addition Floor Area: **n/a**

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Relocatable Public School Bldg. Conditioned Spaces Unconditioned Spaces (affidavit)

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope TDV Energy Unconditioned (file affidavit)

Front Orientation: N, E, S, W or in Degrees: **0 deg**

Equipment ²	Inspection Criteria	Meets Criteria or Requirements	
		Pass	Fail - Describe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	System Radiant	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	Hydronic Heat Pump	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	150,000 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	4.20 COP	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	0 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	n/a	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	No	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

Equipment ²	Inspection Criteria	Meets Criteria or Requirements	
		Pass	Fail - Describe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :		<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems		<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹		<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹		<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹		<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹		<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value		<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS		<input type="checkbox"/>	<input type="checkbox"/>
Economizer		<input type="checkbox"/>	<input type="checkbox"/>
Thermostat		<input type="checkbox"/>	<input type="checkbox"/>
Fan Control		<input type="checkbox"/>	<input type="checkbox"/>

1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes.
 2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked.
 3. Indicate Equipment Type: Gas (Pkg or Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.

EnergyPro 5.1 by EnergySoft User Number: 3478 RunCode: 2012-12-06T11:11:55 ID: Page 12 of 25

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

Project Name: **Camp Connell MS Wash Rack** Date: **12/6/2012**
 Project Address: **State Route 88 Camp Connell** Climate Zone: **16** Total Cond. Floor Area: **2,464** Addition Floor Area: **n/a**

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Relocatable Public School Bldg. Conditioned Spaces Unconditioned Spaces (affidavit)

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope TDV Energy Unconditioned (file affidavit)

Front Orientation: N, E, S, W or in Degrees: **0 deg**

Equipment ²	Inspection Criteria	Meets Criteria or Requirements	
		Pass	Fail - Describe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	Lochinvar EWL200PM-F7	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	Gas Fired HW Boiler	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	199,999 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	204 %	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	n/a	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	n/a	<input type="checkbox"/>	<input type="checkbox"/>

Equipment ²	Inspection Criteria	Meets Criteria or Requirements	
		Pass	Fail - Describe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	System Hydronic	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type ³ :	Hydronic Heat Pump	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity ¹	188,000 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency ¹	4.20 COP	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity ¹	0 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency ¹	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	n/a	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-HERS	No	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes.
 2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked.
 3. Indicate Equipment Type: Gas (Pkg or Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.

EnergyPro 5.1 by EnergySoft User Number: 3478 RunCode: 2012-12-06T11:37:10 ID: 1 Page 13 of 28

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: *Greg P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY: SHAHJAHAN ALI CHECKED: JACK WHEELER DETAILS BY: A. CHEN CHECKED: JACK WHEELER QUANTITIES BY: SHAHJAHAN ALI CHECKED: JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718 POST MILE 5726	DISTRICT 10 WASH RACKS PHASE 2 PINE GROVE M.S. CAMP CONNELL M.S.	TITLE 24	SHEET MO-2 OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES →		REVISION DATES (PRELIMINARY STAGE ONLY): 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13	SHEET OF

TAEMWW Imperial Rev. 7/10 FILE => M0_2.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:56 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3 UNIT PROJECT NUMBER & PHASE: 3615 10120001811 DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY): 04-26-12 | 05-25-12 | 06-22-12 | 10-09-12 | 11-09-12 | 01-04-13 SHEET OF MO_2.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	85	187

Shahjahan Ali
REGISTERED MECHANICAL ENGINEER DATE 01/04/13

7-22-13
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.

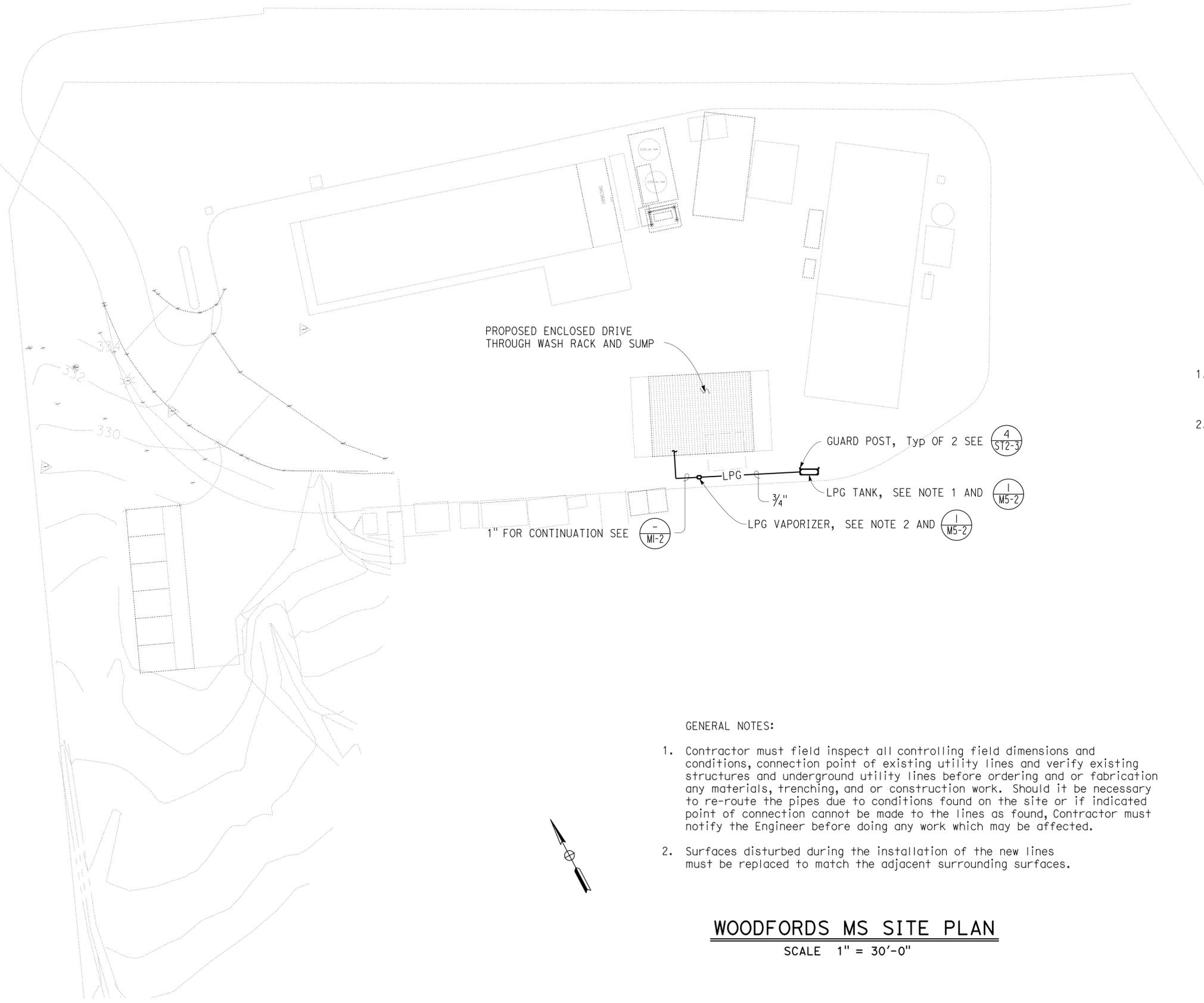


CALIFORNIA STATE FIRE MARSHAL APPROVED

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: *Ingrit P. Casiano*
INGRIT P. CASIANO
Approval date: 04-10-13

CSFM No.
N-12-1027, N-12-1028,
N-12-1029, N-12-1030



- NOTES:
- LPG Tank must be 500 gallons water capacity and installed at a minimum distance of 10 feet from building and property line.
 - LPG Vaporizer must be 40 gallons per hour vaporizing capacity, direct-fired and installed as per manufacturer's recommendations.

- GENERAL NOTES:
- Contractor must field inspect all controlling field dimensions and conditions, connection point of existing utility lines and verify existing structures and underground utility lines before ordering and or fabrication any materials, trenching, and or construction work. Should it be necessary to re-route the pipes due to conditions found on the site or if indicated point of connection cannot be made to the lines as found, Contractor must notify the Engineer before doing any work which may be affected.
 - Surfaces disturbed during the installation of the new lines must be replaced to match the adjacent surrounding surfaces.

WOODFORDS MS SITE PLAN
SCALE 1" = 30'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN SUPERVISOR <i>Paul Schreff</i> DESIGN ARCHITECT <i>J. Wheeler</i>	DESIGN BY SHAHJAHAN ALI	CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SHEET OF M1-0
	DETAILS BY A. CHEN	CHECKED JACK WHEELER			POST MILE		
	QUANTITIES BY SHAHJAHAN ALI	CHECKED JACK WHEELER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	86	187

<i>Shahjahan Ali</i>		01/04/13
REGISTERED MECHANICAL ENGINEER	DATE	

7-22-13
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.

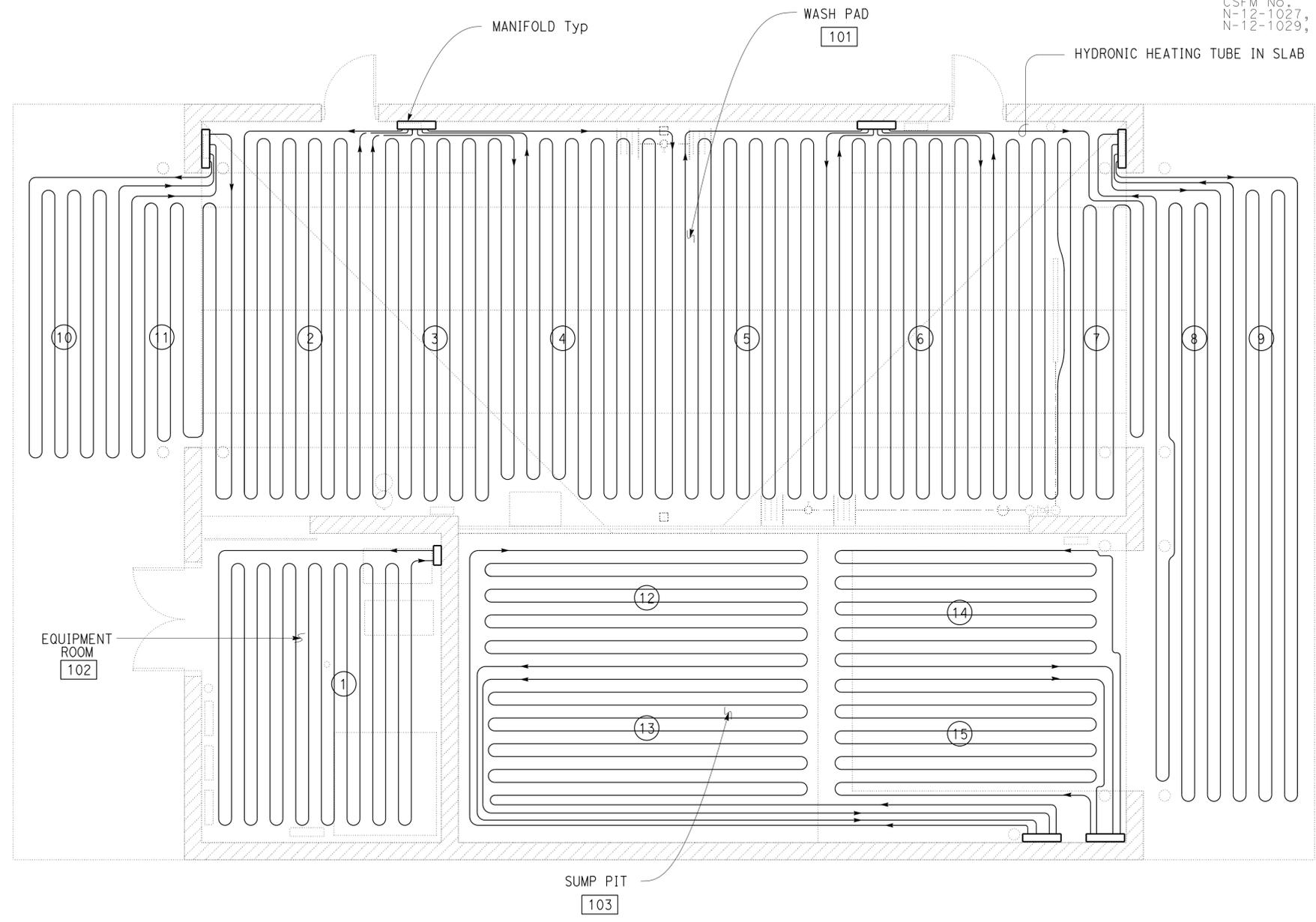
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Ingrid P. Castano*
 INGRID P. CASTANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



LOOP	APPROXIMATE LENGTH
1	260'
2	230'
3	265'
4	275'
5	275'
6	275'
7	255'
8	230'
9	240'
10	150'
11	135'
12	200'
13	215'
14	150'
15	175'



- NOTES:
- All hydronic heating tubes must be 5/8" diameter PEX tubing and must be filled with 35% propylene glycol solution.
 - All tubes to have 9" spacing.
 - Tubes to be placed 1'-0" from edges of slab.
 - Provide insulation at the edges of heated slab.
 - For tube in slab see (2/M5-1).
 - For tubes crossing at expansion joints see (4/M5-1) and for construction joints see (5/M5-1).

HYDRONIC HEATING TUBING LAYOUT
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

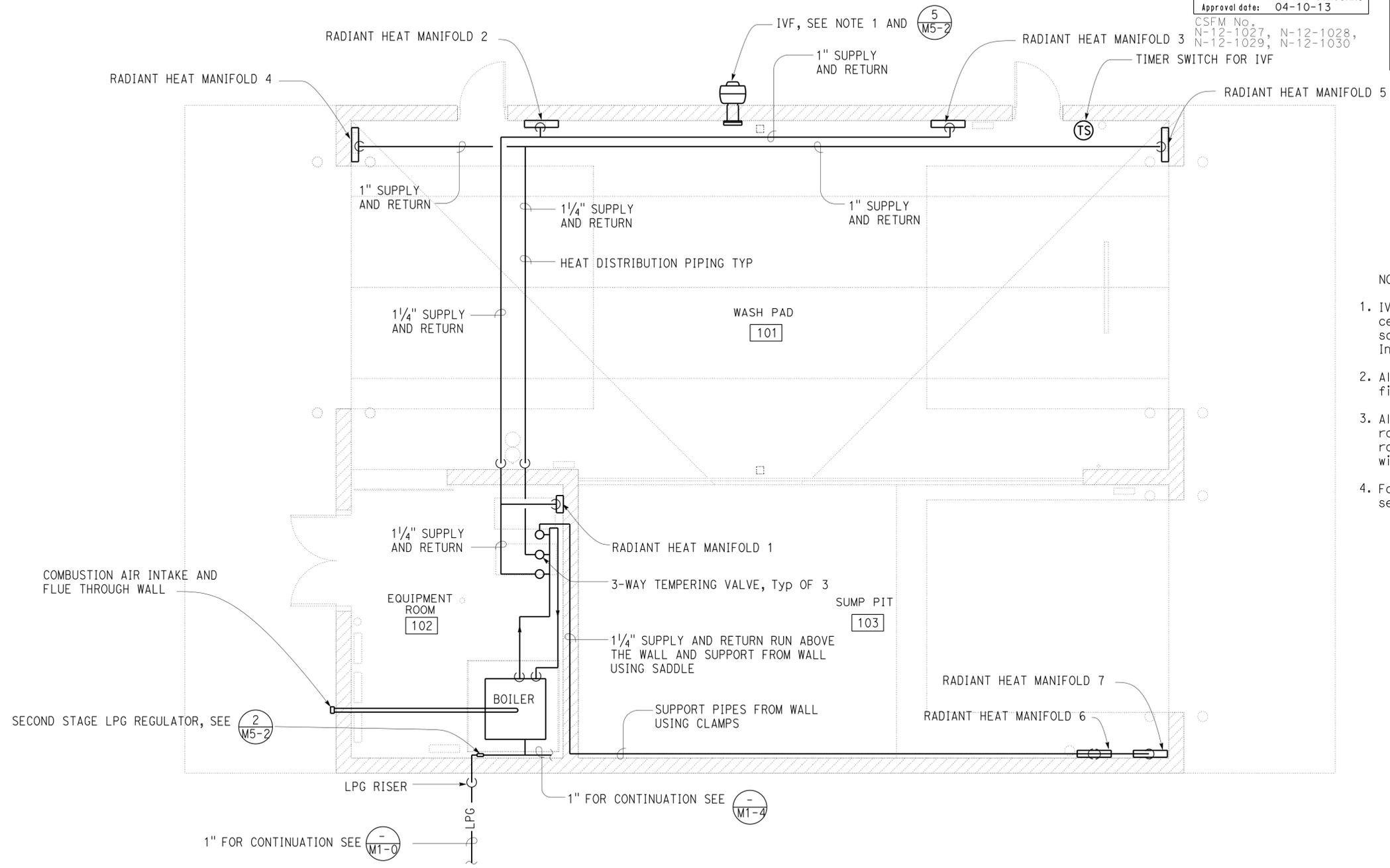
DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER DETAILS BY A. CHEN CHECKED JACK WHEELER QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SHEET M1-1
			POST MILE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13

TAEMWW Imperial Rev. 7/10 FILE => M1_1.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:56 EA 0X2101 23-SEP-2013 08:56 M1_1.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	87	187
<i>Shahjahan Ali</i> REGISTERED MECHANICAL ENGINEER			01/04/13 DATE		
7-22-13 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.					

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: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



- NOTES:
1. IVF, industrial ventilation fan, centrifugal type 3000 CFM @ 0.25" W.C., sones maximum 12, 1/2HP 230V, 3PH. Install at 25 feet above finished floor.
 2. All heat distribution piping must be filled with 35% propylene glycol solution.
 3. All overhead piping must be installed at roof level and support from wall and or roof structure and route to avoid conflict with overhead door and other installations.
 4. For all equipment and connection schematic see 

HEAT DISTRIBUTION PIPING AND EXHAUST FAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER DETAILS BY A. CHEN CHECKED JACK WHEELER QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725 POST MILE WOODFORDS M.S.	DISTRICT 10 WASH RACKS PHASE 2 EXHAUST FAN & HYDRONIC HEAT DISTRIBUTION PIPING	SHEET M1-2
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13	SHEET OF	

23-SEP-2013 08:56

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	88	187

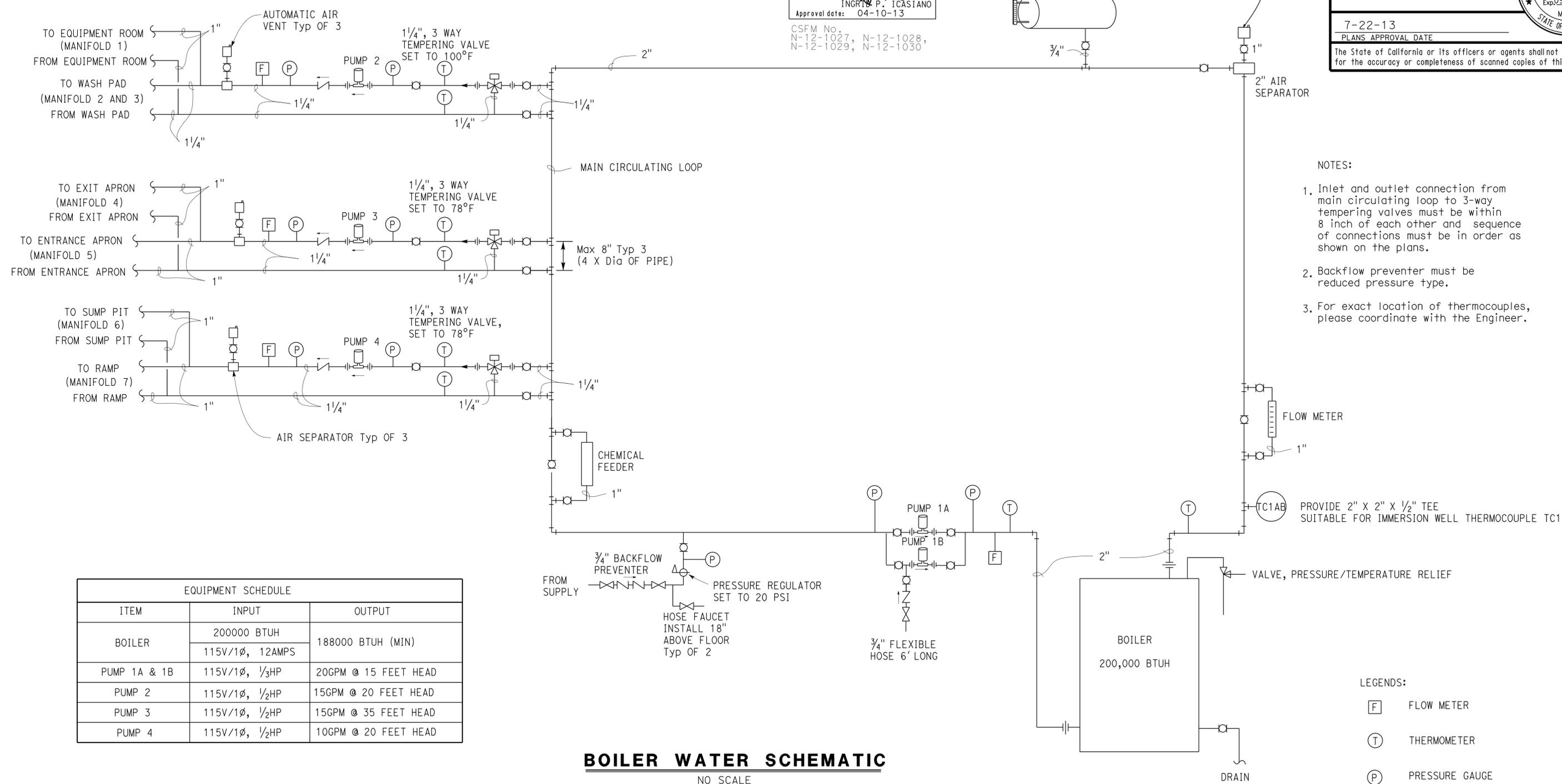
<i>Shahjahan Ali</i> REGISTERED MECHANICAL ENGINEER		01/04/13 DATE
7-22-13 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.		

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: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



- NOTES:
- Inlet and outlet connection from main circulating loop to 3-way tempering valves must be within 8 inch of each other and sequence of connections must be in order as shown on the plans.
 - Backflow preventer must be reduced pressure type.
 - For exact location of thermocouples, please coordinate with the Engineer.

EQUIPMENT SCHEDULE		
ITEM	INPUT	OUTPUT
BOILER	200000 BTUH	188000 BTUH (MIN)
	115V/1Ø, 12AMPS	
PUMP 1A & 1B	115V/1Ø, 1/3HP	20GPM @ 15 FEET HEAD
PUMP 2	115V/1Ø, 1/2HP	15GPM @ 20 FEET HEAD
PUMP 3	115V/1Ø, 1/2HP	15GPM @ 35 FEET HEAD
PUMP 4	115V/1Ø, 1/2HP	10GPM @ 20 FEET HEAD

BOILER WATER SCHEMATIC
NO SCALE

- LEGENDS:
- [F] FLOW METER
 - [T] THERMOMETER
 - [P] PRESSURE GAUGE
 - (TC1AB) IMMERSION WELL THERMOCOUPLE FOR MAIN HOT WATER LOOP

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY: SHAHJAHAN ALI CHECKED: JACK WHEELER DETAILS BY: A. CHEN CHECKED: JACK WHEELER QUANTITIES BY: SHAHJAHAN ALI CHECKED: JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SHEET OF
			POST MILE		BOILER SCHEMATIC
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES →		
FILE => M1_3.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:56		REVISION DATES (PRELIMINARY STAGE ONLY): 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13			SHEET OF 88 OF 187

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	89	187

<i>Shahjahan Ali</i>		01/04/13
REGISTERED MECHANICAL ENGINEER	DATE	

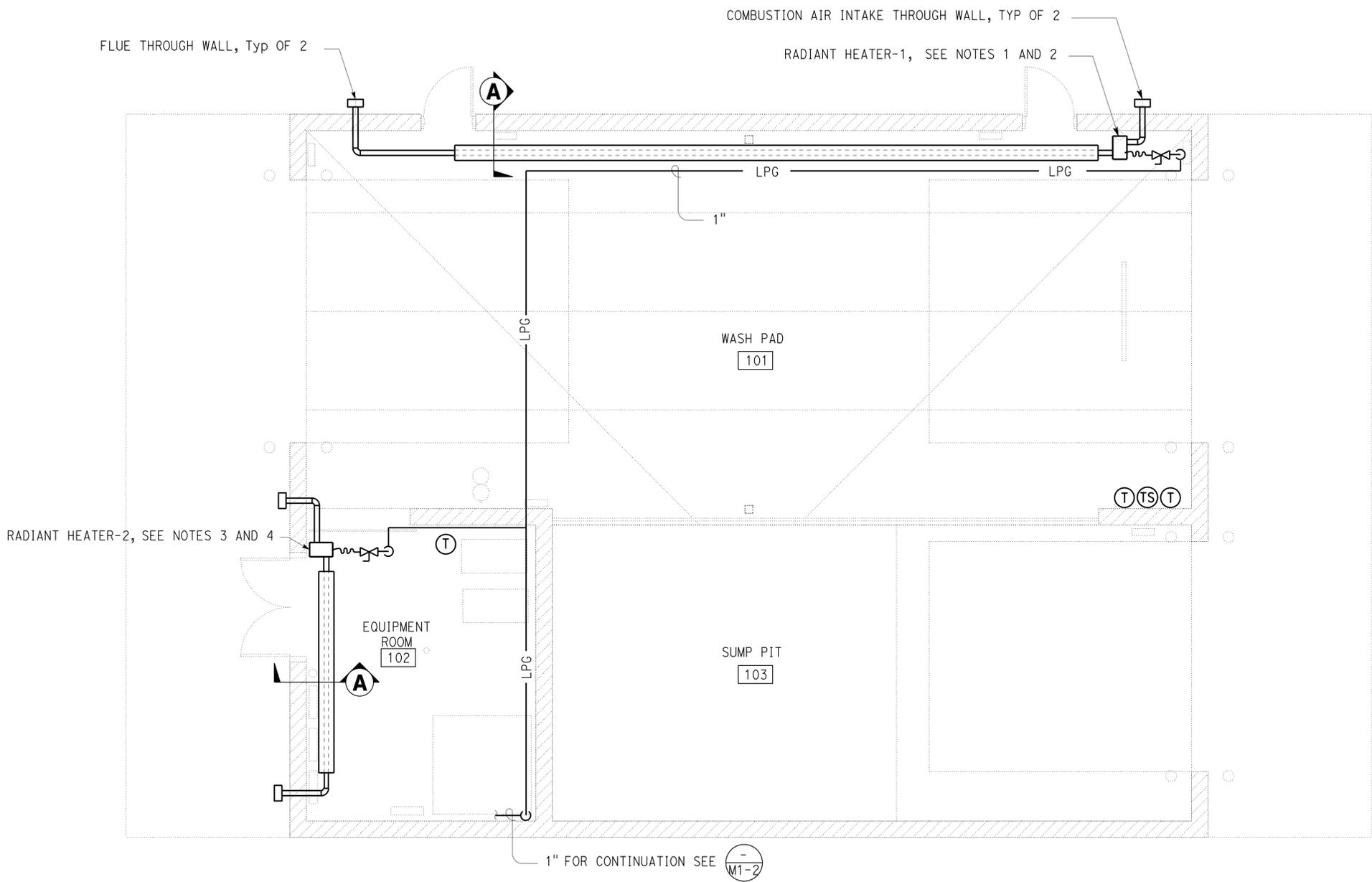
7-22-13	
PLANS APPROVAL DATE	

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.

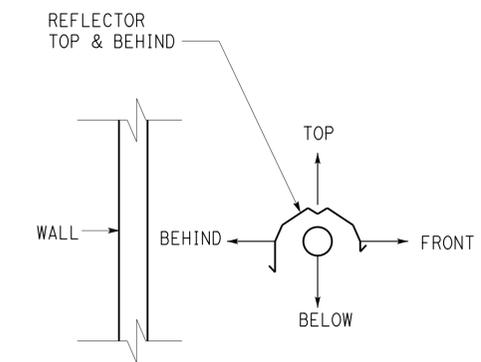
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



- NOTES:
- Radiant heater-1 burner must be 125,000 BTUH input, two stage operation, LPG capacity, 120V-1Ph, combustion air intake and flue outlet through wall as shown in the plans and installed as per manufacturer's recommendations.
 - Radiant heater-1 tubing must be 41 feet in length and installed at 15 feet from finished floor. Support radiant heater tubing from wall. Install reflector above and behind the tube.
 - Radiant heater-2 burner must be 25,000 BTUH input, LPG capacity, 120V-1Ph, combustion air intake and flue outlet through wall as shown in the plans and installed as per manufacturer's recommendations.
 - Radiant heater-2 tubing must be 12 feet in length and installed at 9 feet from finished floor. Support radiant heater tubing from wall. Install reflector above and behind the tube.
 - All components of radiant heater must be stainless steel.
 - Thermostat and timer switch must be watertight.
 - All piping must be installed at roof level and routed to avoid conflict with overhead door and other installations.



A REFLECTOR DETAIL
 NO SCALE

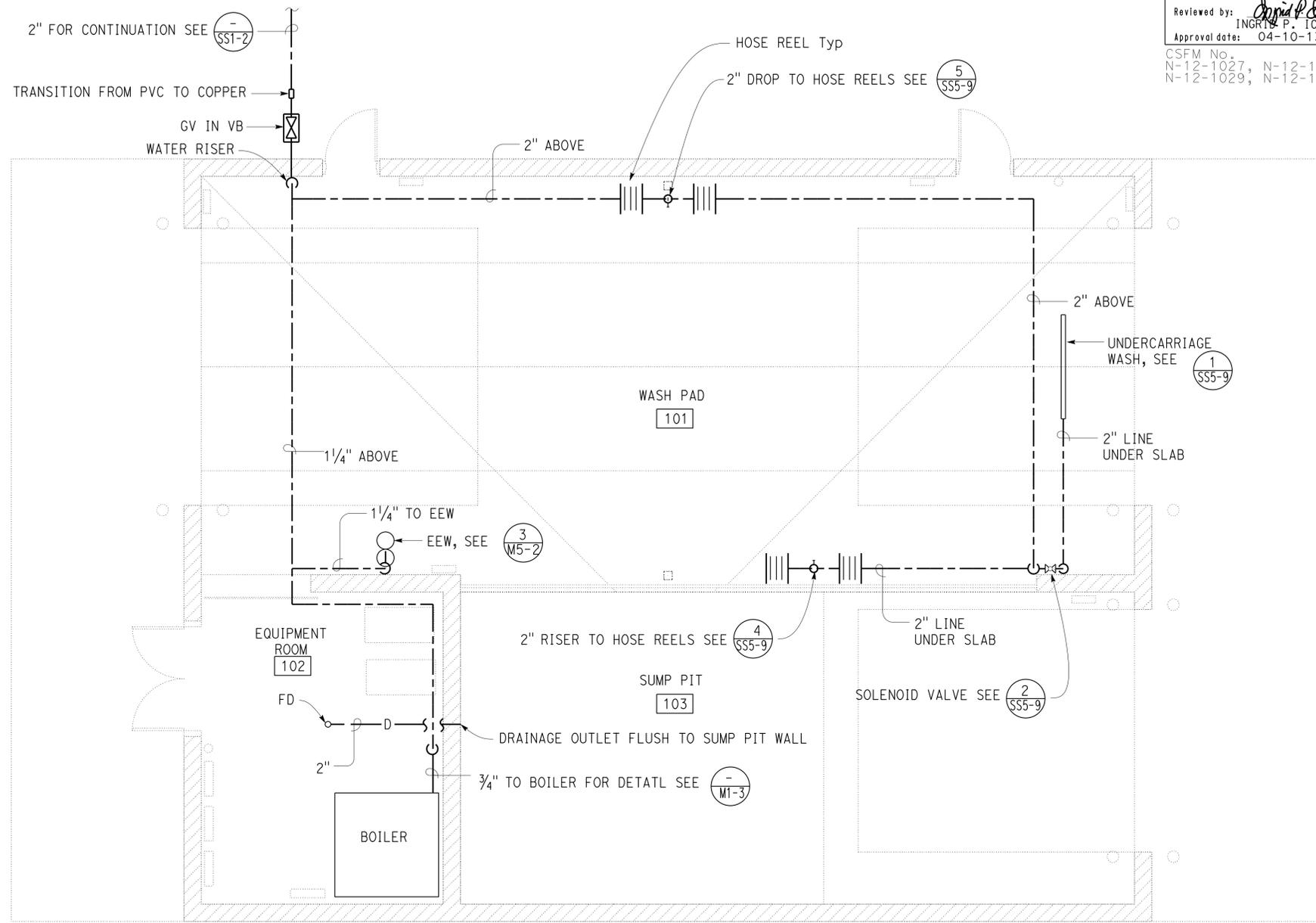
RADIANT HEATING PLAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2		SHEET
			POST MILE WOODFORDS M.S.	RADIANT HEATING PLAN		M1-4
DETAILS BY A. CHEN CHECKED JACK WHEELER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	3615 10120001811	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET
QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER			DISREGARD EARLIER REVISION DATES	04-26-12 05-26-12 06-22-12 10-09-12 11-09-12 01-04-13	OF	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	90	187
Shahjahan Ali REGISTERED MECHANICAL ENGINEER		01/04/13 DATE			
7-22-13 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.					

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: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



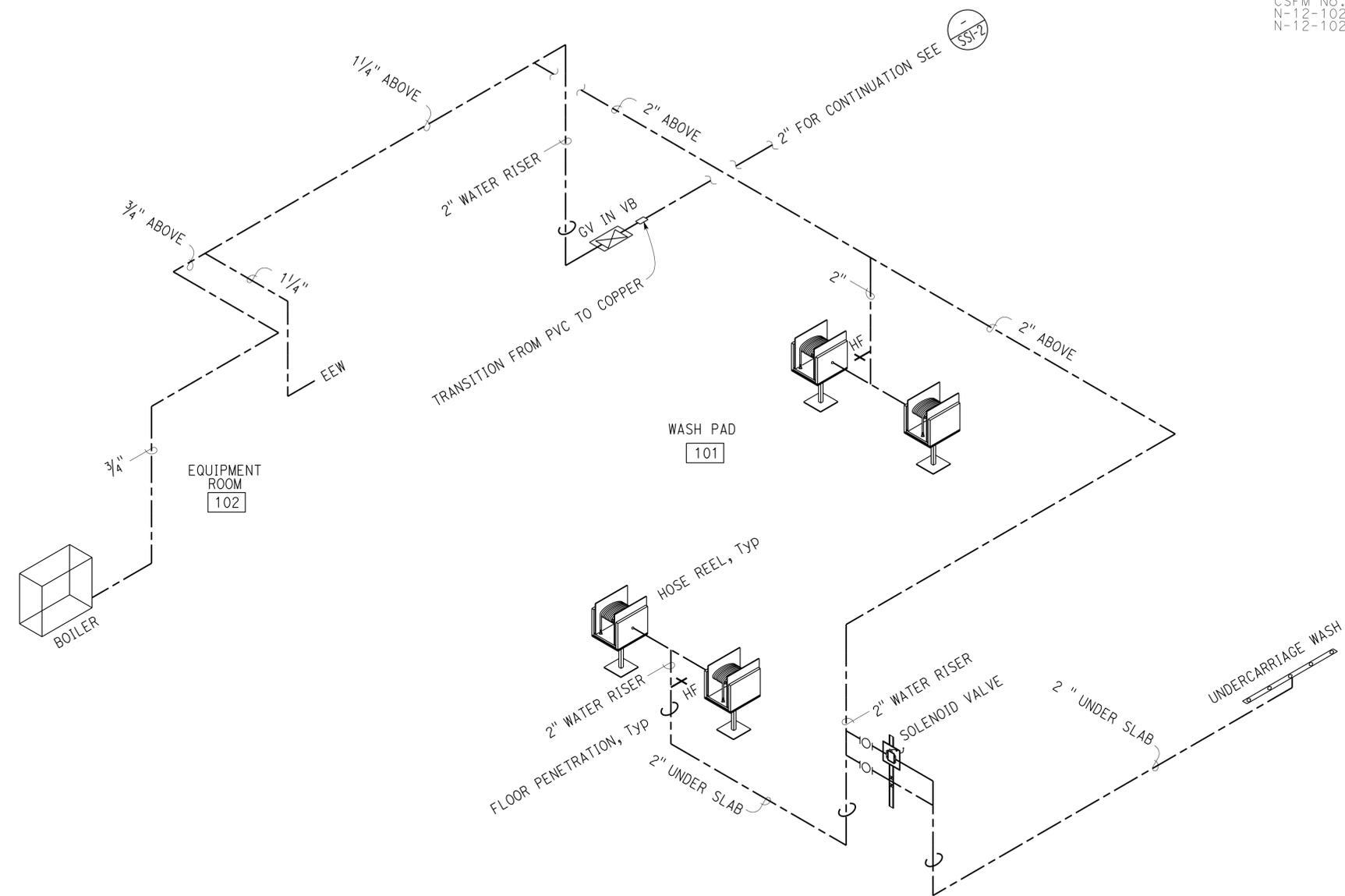
NOTE:
 1. All overhead piping must be installed at roof level and support from wall or roof structure and route to avoid conflict with overhead door and other installations.

WATER DISTRIBUTION PLAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER DETAILS BY A. CHEN CHECKED JACK WHEELER QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725	DISTRICT 10 WASH RACKS PHASE 2 WOODFORDS M.S.	SHEET M1-5
			POST MILE		
TAEMWW Imperial Rev. 7/10 FILE => M1_5.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:56	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	23-SEP-2013 08:56 M1_5.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	91	187
Reviewed by: <i>Shahjahan Ali</i> REGISTERED MECHANICAL ENGINEER		DATE: 01/04/13			
CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030 Approval date: 04-10-13					
PLANS APPROVAL DATE: 7-22-13					
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.					



WATER ISOMETRIC
NO SCALE

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY: SHAHJAHAN ALI CHECKED: JACK WHEELER DETAILS BY: A. CHEN CHECKED: JACK WHEELER QUANTITIES BY: SHAHJAHAN ALI CHECKED: JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5725 POST MILE WOODFORDS M.S.	DISTRICT 10 WASH RACKS PHASE 2 WATER ISOMETRIC	SHEET M1-6 OF
			3615 10120001811		
TAEMWW Imperial Rev. 7/10 FILE => M1_6.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:56	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3	EA 0X2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	23-SEP-2013 08:56 M1_6.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	92	187

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 DATE 01/04/13



7-22-13
 PLANS APPROVAL DATE

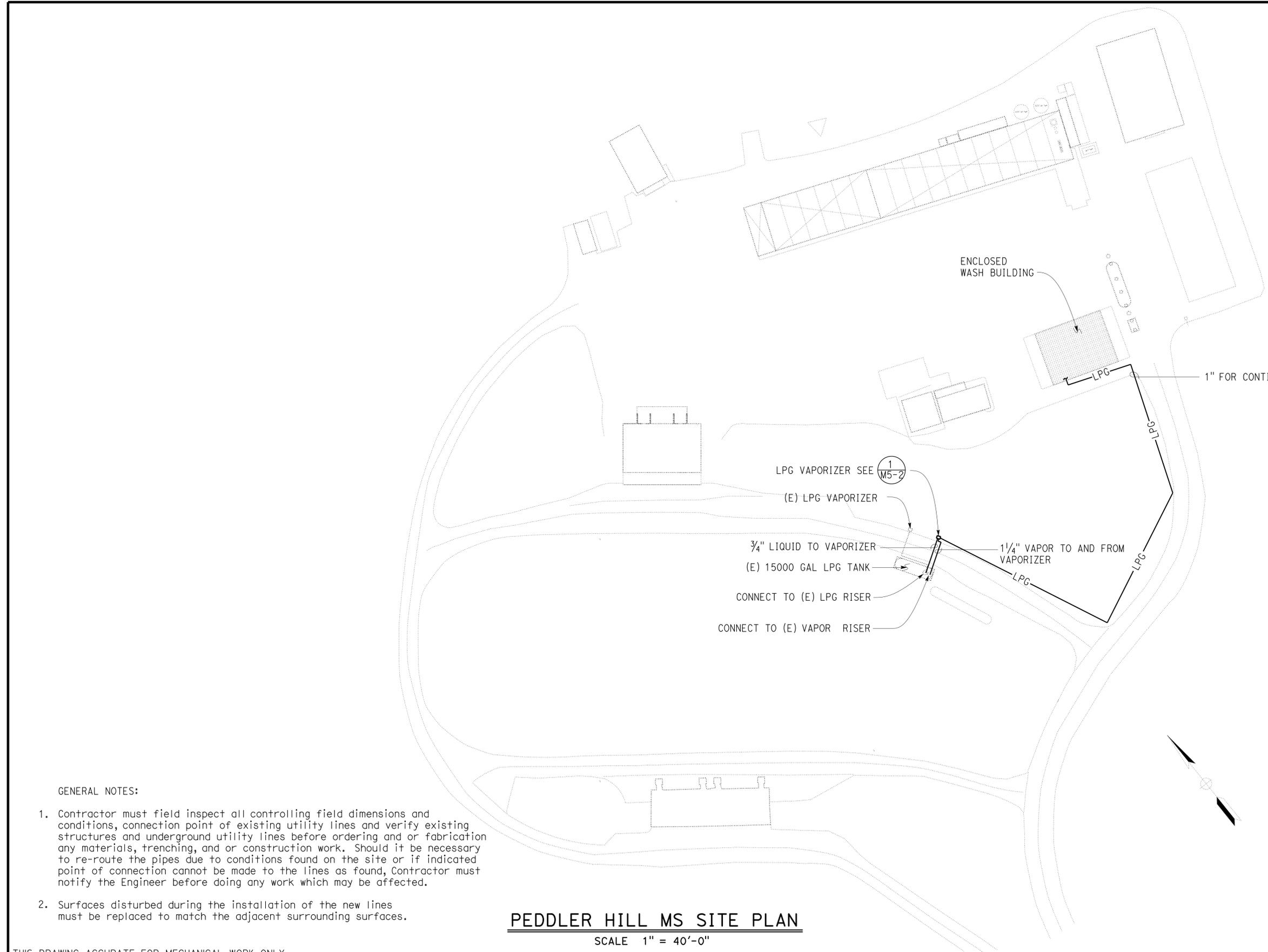
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

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: *Ingrids P. Castano*
 INGRIDS P. CASTANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



- NOTES:
1. Connection with (E) vapor lines and or liquid lines shall be provided with necessary valves and fittings as required.
 2. LPG Vaporizer must be 40 gallons per hour vaporizing capacity, direct-fired and installed as per manufacturer's recommendations.

GENERAL NOTES:

1. Contractor must field inspect all controlling field dimensions and conditions, connection point of existing utility lines and verify existing structures and underground utility lines before ordering and or fabrication any materials, trenching, and or construction work. Should it be necessary to re-route the pipes due to conditions found on the site or if indicated point of connection cannot be made to the lines as found, Contractor must notify the Engineer before doing any work which may be affected.
2. Surfaces disturbed during the installation of the new lines must be replaced to match the adjacent surrounding surfaces.

PEDDLER HILL MS SITE PLAN
 SCALE 1" = 40'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN SUPERVISOR <i>Paul Schreff</i> DESIGN ARCHITECT <i>J. W. Wheeler</i>	DESIGN BY SHAHJAHAN ALI	CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5729	DISTRICT 10 WASH RACKS PHASE 2 PEDDLER HILL M.S.	SHEET M2-0
	DETAILS BY A. CHEN	CHECKED JACK WHEELER		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
QUANTITIES BY SHAHJAHAN ALI	CHECKED JACK WHEELER			UNIT PROJECT NUMBER & PHASE 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-09-13	SHEET OF

**CALIFORNIA STATE FIRE MARSHAL
APPROVED**

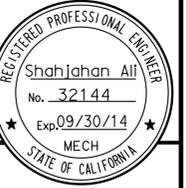
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Ingrid P. Castano*
INGRID P. CASTANO
Approval date: 04-10-13

CSFM No.
N-12-1027, N-12-1028,
N-12-1029, N-12-1030

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	93	187

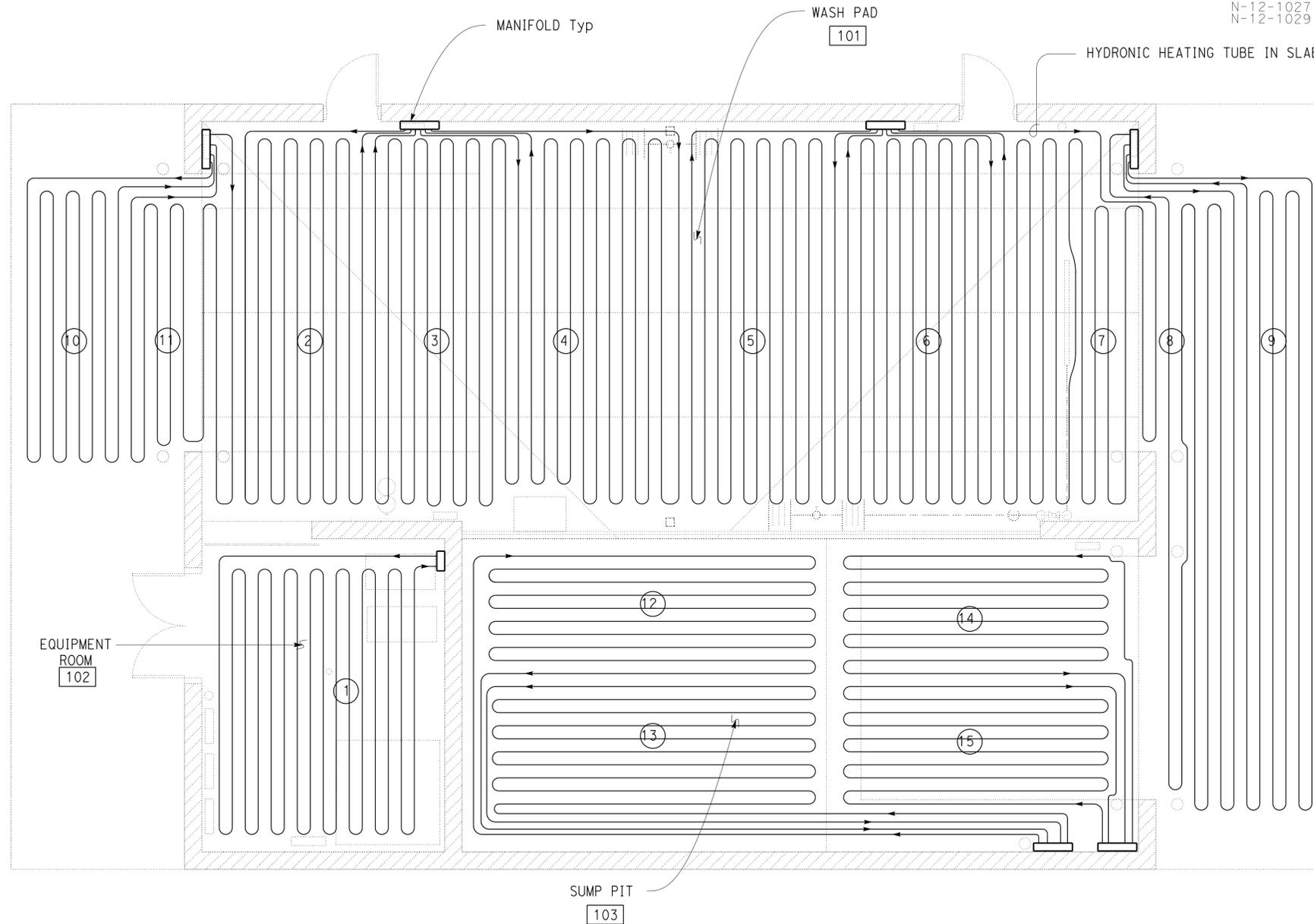
Shahjahan Ali
REGISTERED MECHANICAL ENGINEER DATE 01/04/13



7-22-13
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.

LOOP	APPROXIMATE LENGTH
1	260'
2	230'
3	265'
4	275'
5	275'
6	275'
7	255'
8	230'
9	240'
10	150'
11	135'
12	200'
13	215'
14	150'
15	175'



NOTES:

- All hydronic heating tubes must be 5/8" diameter PEX tubing and must be filled with 35% propylene glycol solution.
- All tubes to have 9" spacing.
- Tubes to be placed 1'-0" from edges of slab.
- Provide insulation at the edges of heated slab.
- For tube in slab see (2/M5-1).
- For tubes crossing at expansion joints see (4/M5-1) and for construction joints see (5/M5-1).

HYDRONIC HEATING TUBING LAYOUT

1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5729	DISTRICT 10 WASH RACKS PHASE 2		SHEET M2-1
			POST MILE	PEDDLER HILL M.S.	HYDRONIC HEATING TUBING LAYOUT	
DETAILS BY A. CHEN CHECKED JACK WHEELER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES			SHEET OF
QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER			REVISION DATES (PRELIMINARY STAGE ONLY) 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13			

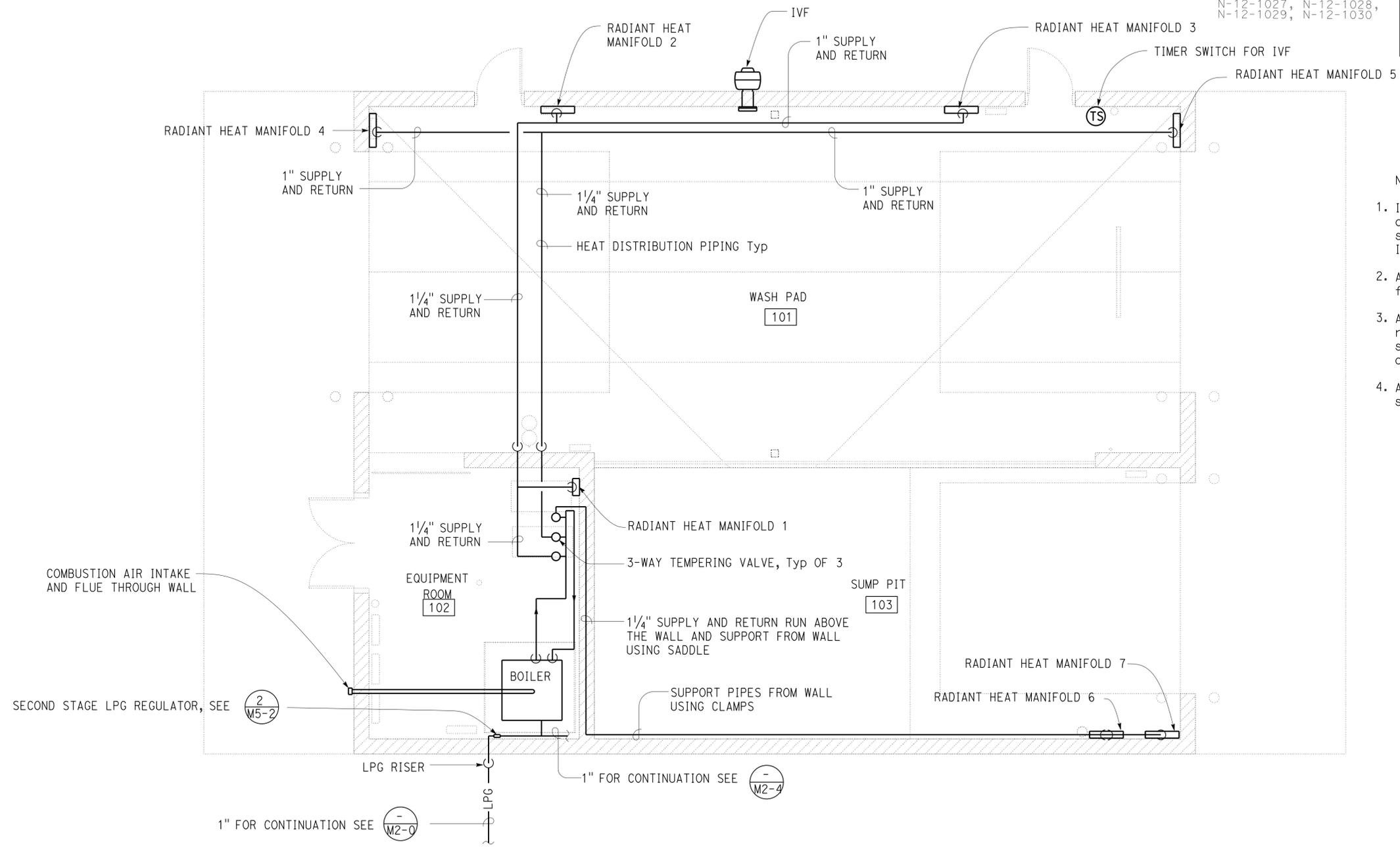
TAEMWW Imperial Rev. 7/10 FILE => M2_1.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:57

EA 0X2101

M2_1.dgn

23-SEP-2013 08:57

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	94	187
Reviewed by: <i>Shahjahan Ali</i> REGISTERED MECHANICAL ENGINEER DATE 01/04/13			INGRID P. ICASIANO Approval date: 04-10-13		
CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030			REGISTERED PROFESSIONAL ENGINEER Shahjahan Ali No. 32144 Exp. 09/30/14 MECH STATE OF CALIFORNIA		
7-22-13 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.					



- NOTES:
1. IVF, industrial ventilation fan, centrifugal type 3000 CFM @ 0.25" W.C., sones maximum 12, 1/2HP 230V, 3PH. Install at 25 feet above finished floor.
 2. All heat distribution piping must be filled with 35% propylene glycol solution.
 3. All overhead piping must be installed at roof level and support from wall or roof structure and route to avoid conflict with overhead door and other installations.
 4. All equipment and connection schematic see 

HEAT DISTRIBUTION PIPING AND EXHAUST FAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

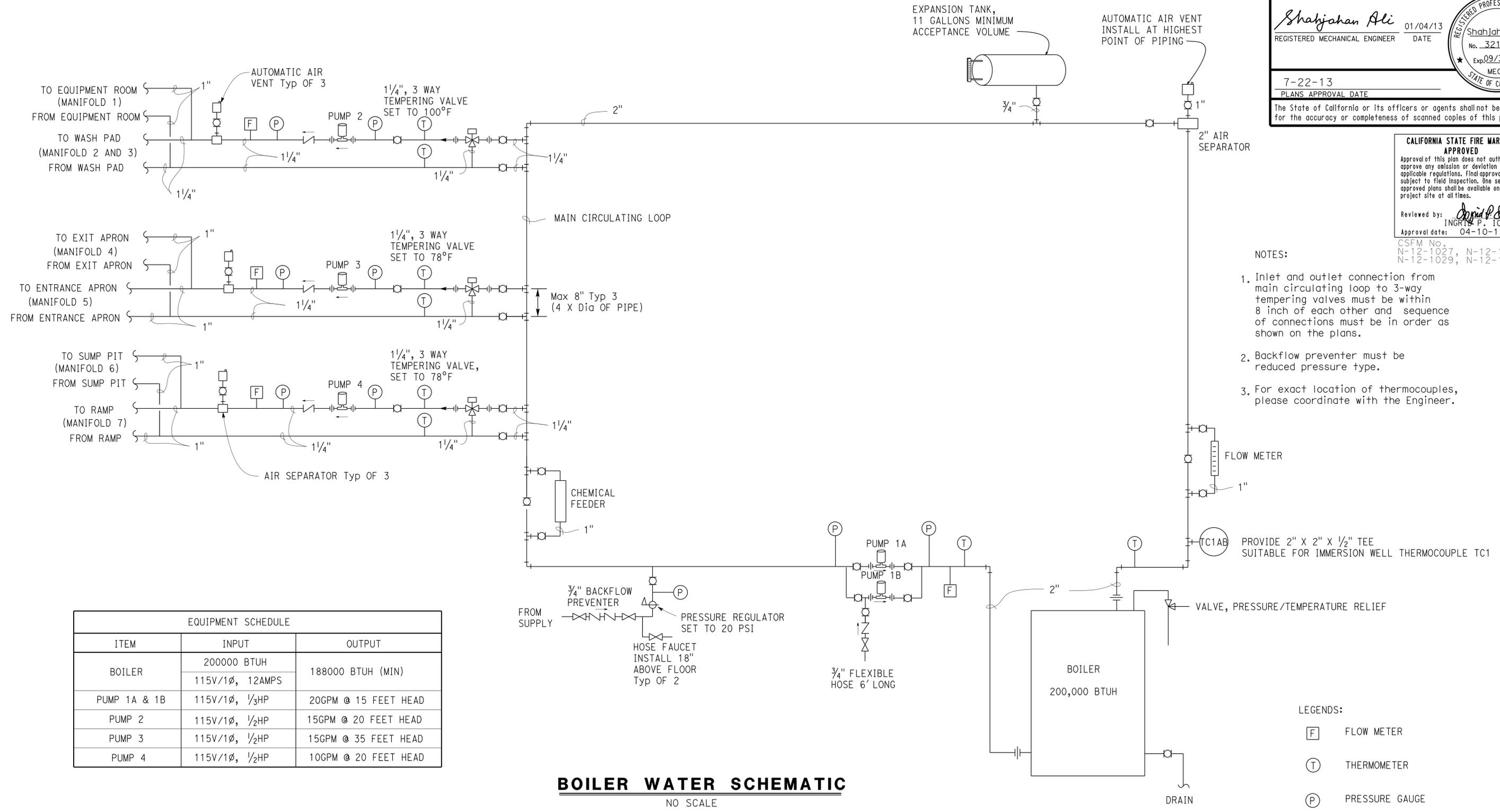
DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER DETAILS BY A. CHEN CHECKED JACK WHEELER QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5729 POST MILE	DISTRICT 10 WASH RACKS PHASE 2 PEDDLER HILL M.S.	SHEET M2-2
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13	SHEET OF

23-SEP-2013 08:57
M2_2.dgn

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: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028
 N-12-1029, N-12-1030



- NOTES:
- Inlet and outlet connection from main circulating loop to 3-way tempering valves must be within 8 inch of each other and sequence of connections must be in order as shown on the plans.
 - Backflow preventer must be reduced pressure type.
 - For exact location of thermocouples, please coordinate with the Engineer.

EQUIPMENT SCHEDULE		
ITEM	INPUT	OUTPUT
BOILER	200000 BTUH	188000 BTUH (MIN)
	115V/1Ø, 12AMPS	
PUMP 1A & 1B	115V/1Ø, 1/3HP	20GPM @ 15 FEET HEAD
PUMP 2	115V/1Ø, 1/2HP	15GPM @ 20 FEET HEAD
PUMP 3	115V/1Ø, 1/2HP	15GPM @ 35 FEET HEAD
PUMP 4	115V/1Ø, 1/2HP	10GPM @ 20 FEET HEAD

BOILER WATER SCHEMATIC
 NO SCALE

- LEGENDS:
- [F] FLOW METER
 - [T] THERMOMETER
 - [P] PRESSURE GAUGE
 - (TC1AB) IMMERSION WELL THERMOCOUPLE FOR MAIN HOT WATER LOOP

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY	SHAHJAHAN ALI	CHECKED	JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2 PEDDLER HILL M.S.	SHEET M2-3
DETAILS BY	A. CHEN	CHECKED	JACK WHEELER		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	5729		
QUANTITIES BY	SHAHJAHAN ALI	CHECKED	JACK WHEELER					
TAEMWW Imperial Rev. 7/10	FILE => M2_3.dgn DATE PLOTTED => 23-SEP-2013	TIME PLOTTED => 08:57	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	96	187

<i>Shahjahan Ali</i>		01/04/13
REGISTERED MECHANICAL ENGINEER	DATE	

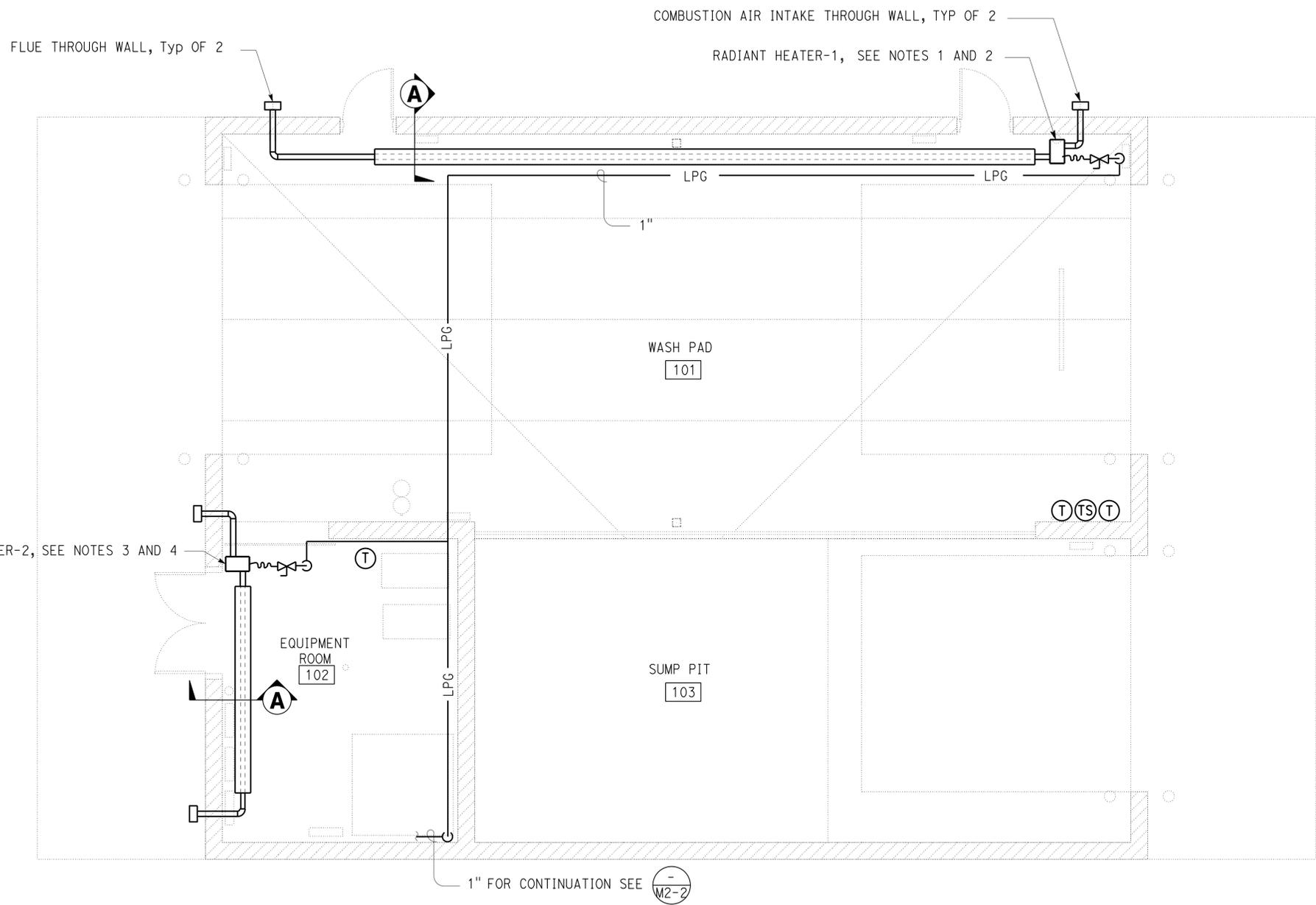
7-22-13
PLANS APPROVAL DATE

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.

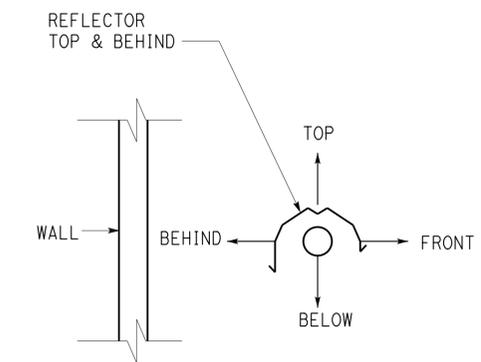
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



- NOTES:
- Radiant heater-1 burner must be 125,000 BTUH input, two stage operation, LPG capacity, 120V-1Ph, combustion air intake and flue outlet through wall as shown in the plans and installed as per manufacturer's recommendations.
 - Radiant heater-1 tubing must be 41 feet in length and installed at 15 feet from finished floor. Support radiant heater tubing from wall. Install reflector above and behind the tube.
 - Radiant heater-2 burner must be 25,000 BTUH input, LPG capacity, 120V-1Ph, combustion air intake and flue outlet through wall as shown in the plans and installed as per manufacturer's recommendations.
 - Radiant heater-2 tubing must be 12 feet in length and installed at 9 feet from finished floor. Support radiant heater tubing from wall. Install reflector above and behind the tube.
 - All components of radiant heater must be stainless steel.
 - Thermostat and timer switch must be watertight.
 - All piping must be installed at roof level and routed to avoid conflict with overhead door and other installations.



A REFLECTOR DETAIL
 NO SCALE

RADIANT HEATING PLAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5729	DISTRICT 10 WASH RACKS PHASE 2		SHEET M2-4
			POST MILE	PEDDLER HILL M.S.	RADIANT HEATING PLAN	
DETAILS BY A. CHEN CHECKED JACK WHEELER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER			04-26-12 05-26-12 06-22-12 10-09-12 11-09-12 01-04-13		SHEET	OF

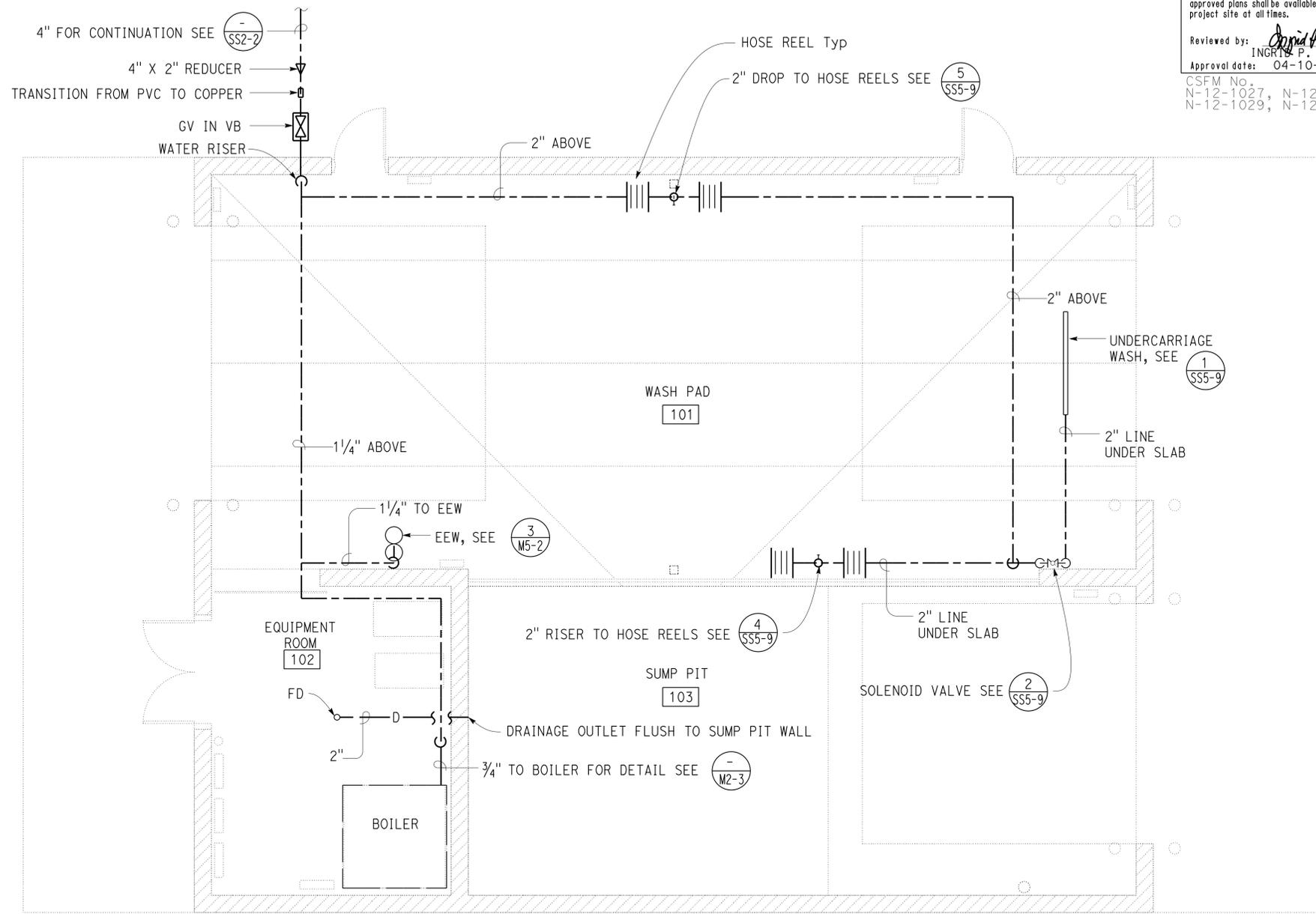
TAEMWW Imperial Rev. 7/10 FILE => M2_4.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:57 EA 0X2101

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	97	187

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: *Ingrid P. Castano*
 INGRID P. CASTANO
 Approval date: 04-10-13
 CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030

Shahjahan Ali 01/04/13
 REGISTERED MECHANICAL ENGINEER DATE
 No. 32144
 Exp. 09/30/14
 MECH
 STATE OF CALIFORNIA
 7-22-13
 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.



NOTE:
 1. All overhead piping must be installed at roof level and support from wall or roof structure and route to avoid conflict with overhead door and other installations.

WATER DISTRIBUTION PLAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5729	DISTRICT 10 WASH RACKS PHASE 2		SHEET M2-5	
			POST MILE	PEDDLER HILL M.S.	WATER DISTRIBUTION PLAN		
DETAILS BY A. CHEN CHECKED JACK WHEELER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER			EA 0X2101	04-26-12	05-25-12	06-22-12	
TAEMWW Imperial Rev. 7/10	FILE => M2_5.dgn DATE PLOTTED => 23-SEP-2013	TIME PLOTTED => 08:57					

23-SEP-2013 08:57
M2_5.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	98	187

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER
 DATE 01/04/13



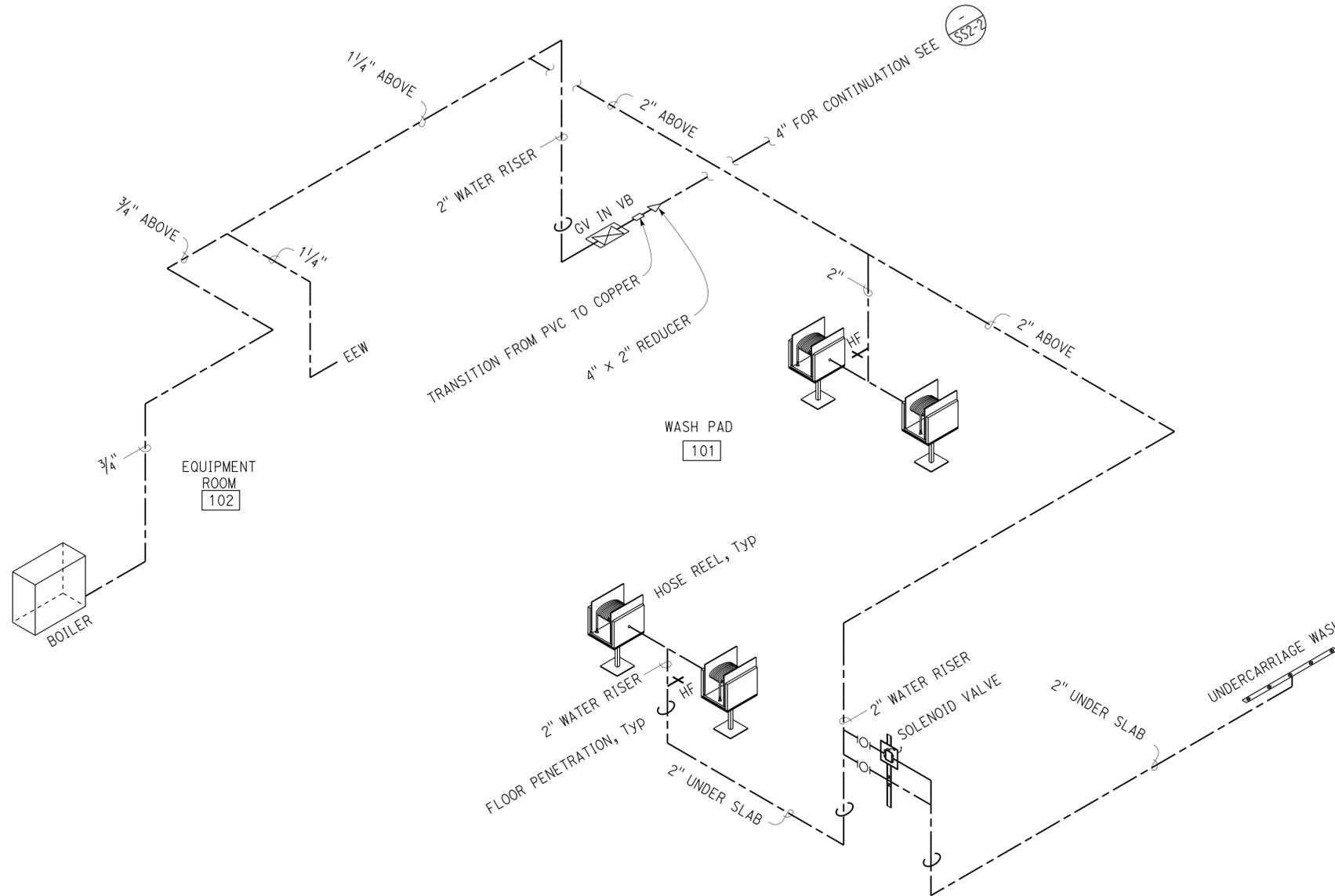
7-22-13
 PLANS APPROVAL DATE

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.

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: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



WATER ISOMETRIC
 NO SCALE

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI	CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5729	DISTRICT 10 WASH RACKS PHASE 2	SHEET M2-6	
				POST MILE			PEDDLER HILL M.S.
DETAILS BY A. CHEN	CHECKED JACK WHEELER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	3615 10120001811	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
QUANTITIES BY SHAHJAHAN ALI	CHECKED JACK WHEELER			DISREGARD PRINTS BEARING EARLIER REVISION DATES → 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13			

TAEMWW Imperial Rev. 7/10 FILE => M2_6.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 08:57

EA 0X2101

M2_6.dgn

23-SEP-2013 08:57

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	99	187

Shahjahan Ali
 REGISTERED MECHANICAL ENGINEER DATE 01/04/13
 PLANS APPROVAL DATE 7-22-13



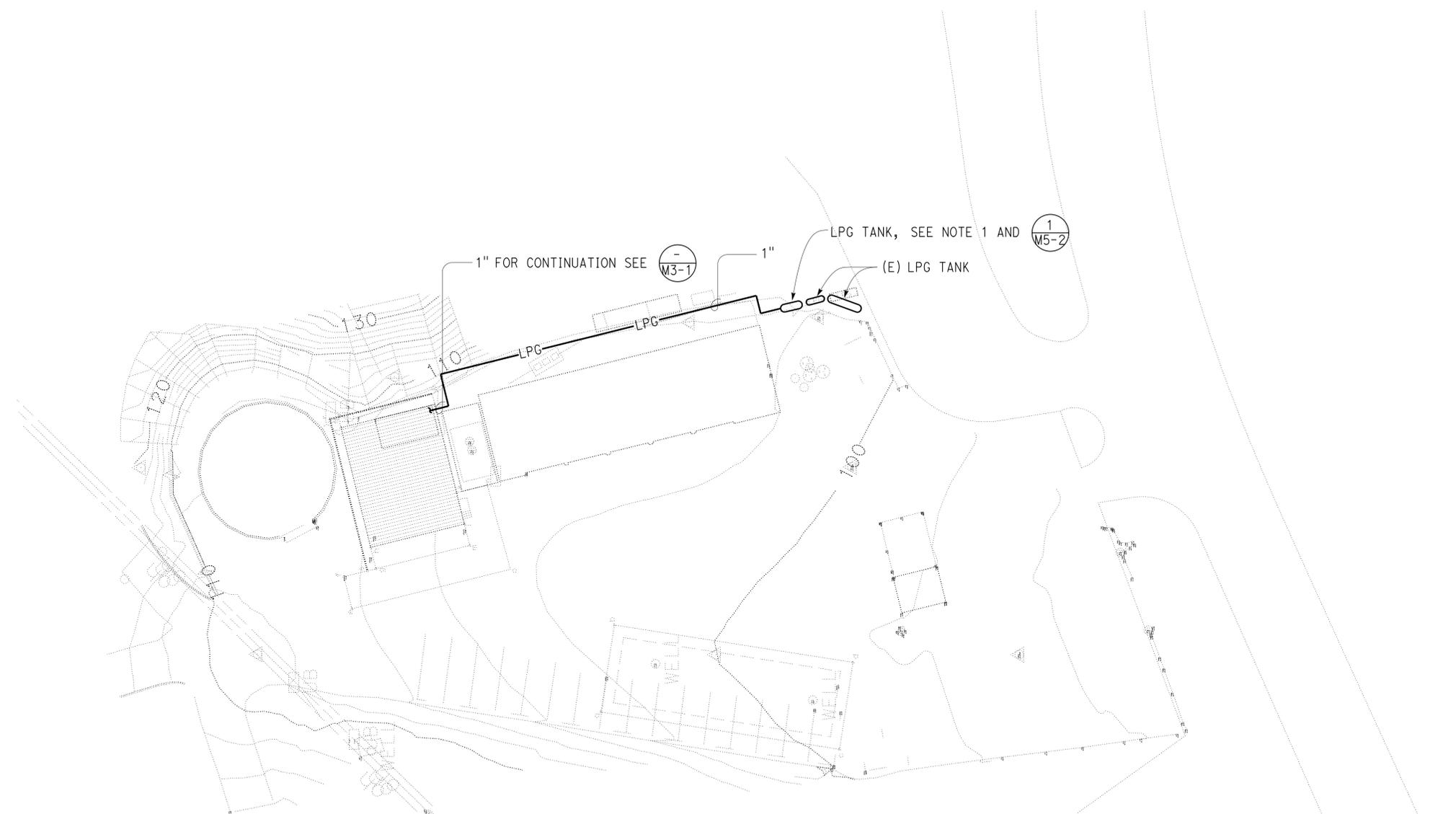
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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

Reviewed by: *Ingrid P. Casiano*
 INGRID P. CASIANO
 Approval date: 04-10-13

CSFM No.
 N-12-1027, N-12-1028,
 N-12-1029, N-12-1030



NOTE:
 LPG tank must be 500 gallons water capacity and installed at a minimum distance of 10 feet from building and property line.

- GENERAL NOTES:
- Contractor must field inspect all controlling field dimensions and conditions, connection point of existing utility lines and verify existing structures and underground utility lines before ordering and or fabrication any materials, trenching, and or construction work. Should it be necessary to re-route the pipes due to conditions found on the site or if indicated point of connection cannot be made to the lines as found, Contractor must notify the Engineer before doing any work which may be affected.
 - Surfaces disturbed during the installation of the new lines must be replaced to match the adjacent surrounding surfaces.

PINE GROVE MS SITE PLAN
 SCALE 1" = 30'-0"

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN SUPERVISOR <i>Paul Schreff</i> DESIGN ARCHITECT <i>L. Wheeler</i>	DESIGN BY SHAHJAHAN ALI	CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718	DISTRICT 10 WASH RACKS PHASE 2 PINE GROVE M.S. SITE PLAN	SHEET OF M3-0
	DETAILS BY A. CHEN	CHECKED JACK WHEELER			POST MILE		
	QUANTITIES BY SHAHJAHAN ALI	CHECKED JACK WHEELER					
TAEMWW Imperial Rev. 7/10 FILE => M3_0.dgn DATE PLOTTED => 23-SEP-2013 TIME PLOTTED => 12:55	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3615 10120001811	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-26-12 05-25-12 06-22-12 10-09-12 11-09-12 01-04-13	SHEET OF 99 OF 187	23-SEP-2013 12:55 M3_0.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Cal	4,88	Var	100	187

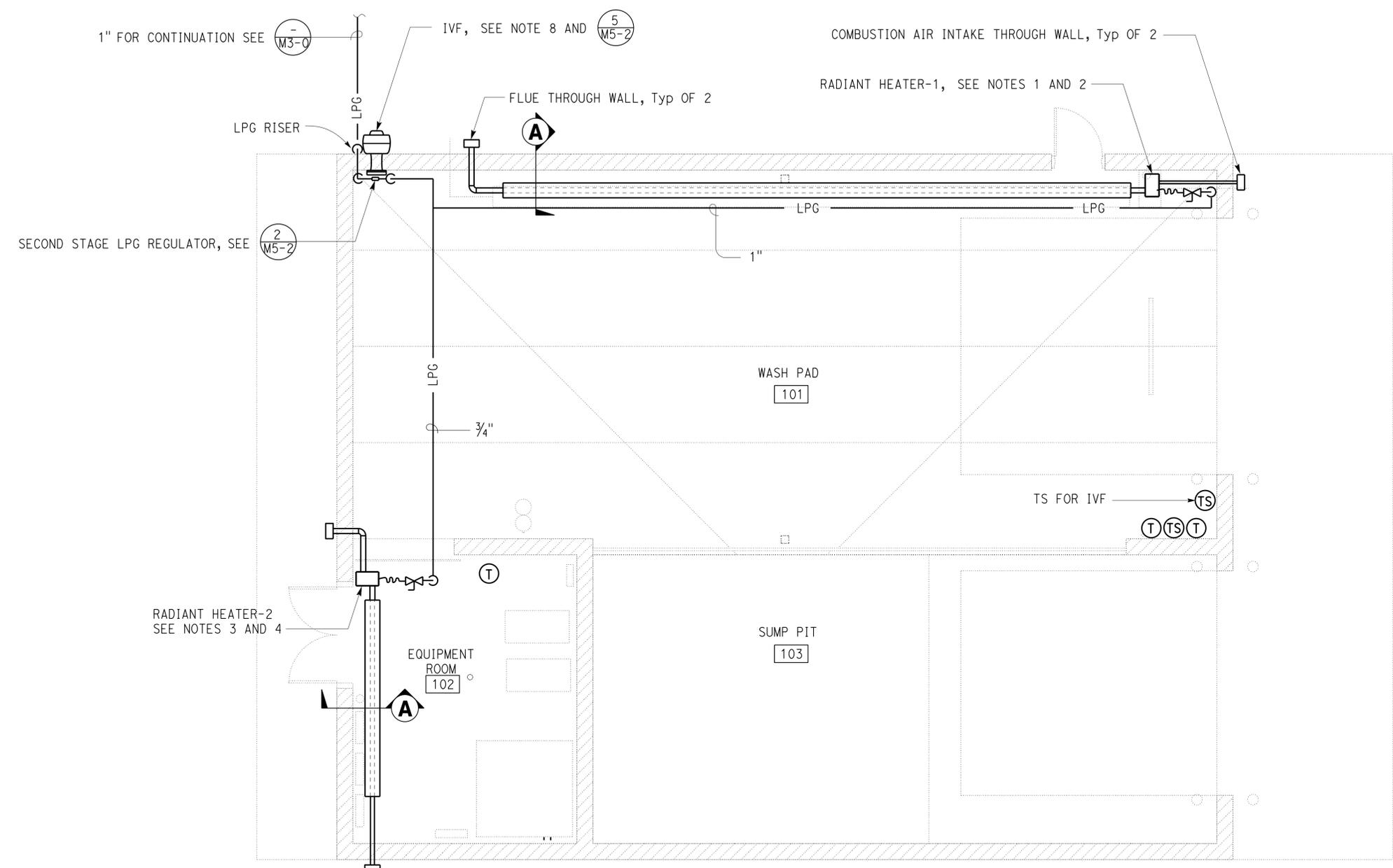
<i>Shahjahan Ali</i> REGISTERED MECHANICAL ENGINEER		01/04/13 DATE
7-22-13 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.		

CALIFORNIA STATE FIRE MARSHAL APPROVED

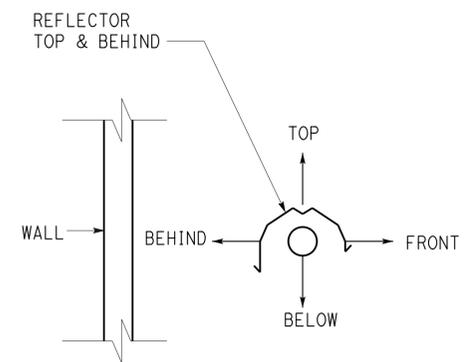
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Ingrid P. Icastano*
 INGRID P. ICASTANO
 Approval date: 04-10-13

CSFM No. N-12-1027, N-12-1028, N-12-1029, N-12-1030



- NOTES:
1. Radiant heater-1 burner must be 125,000 BTUH input, two stage operation, LPG capacity, 120V-1Ph, combustion air intake and flue outlet through wall as shown in the plans and installed as per manufacturer's recommendations.
 2. Radiant heater-1 tubing must be 41 feet in length and installed at 15 feet from finished floor. Support radiant heater tubing from wall. Install reflector above and behind the tube.
 3. Radiant heater-2 burner must be 25,000 BTUH input, LPG capacity, 120V-1Ph, combustion air intake and flue outlet through wall as shown in the plans and installed as per manufacturer's recommendations.
 4. Radiant heater-2 tubing must be 12 feet in length and installed at 9 feet from finished floor. Support radiant heater tubing from wall. Install reflector above and behind the tube.
 5. All components of radiant heater must be stainless steel.
 6. Thermostat and timer switch must be watertight.
 7. All piping must be installed at roof level and routed to avoid conflict with overhead door and other installations.
 8. IVF, industrial ventilation fan, centrifugal type 3000 CFM @ 0.25" W.C., sones maximum 15, 1/2Hp, 230V, 3Ph. Install at 25 feet above finished floor.



HEATING AND VENTILATION PLAN
 1/4" = 1'-0"

A REFLECTOR DETAIL
 NO SCALE

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY SHAHJAHAN ALI CHECKED JACK WHEELER DETAILS BY A. CHEN CHECKED JACK WHEELER QUANTITIES BY SHAHJAHAN ALI CHECKED JACK WHEELER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASH RACKS PHASE 2	SHEET
			5718		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
0 1 2 3	3615 10120001811	04-26-12 05-25-12 06-22-12 10-09-12 01-04-13	10 11 12 13	10 11 12 13	10 11 12 13

23-SEP-2013 08:57