

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	LAYOUT
3	CONSTRUCTION DETAILS
4	UTILITY PLAN
5	CONSTRUCTION AREA SIGNS
6	SUMMARY OF QUANTITIES
7-14	REVISED AND NEW STANDARD PLANS

BUILDING PLANS

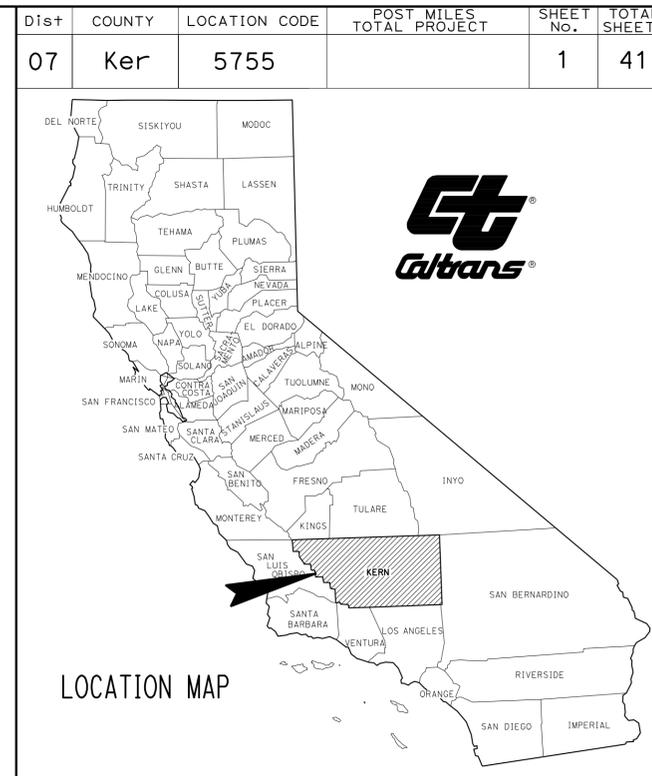
15	GENERAL PLAN
16-23	ARCHITECTURAL PLANS
24-33	STRUCTURAL PLANS
34-41	ELECTRICAL PLANS

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

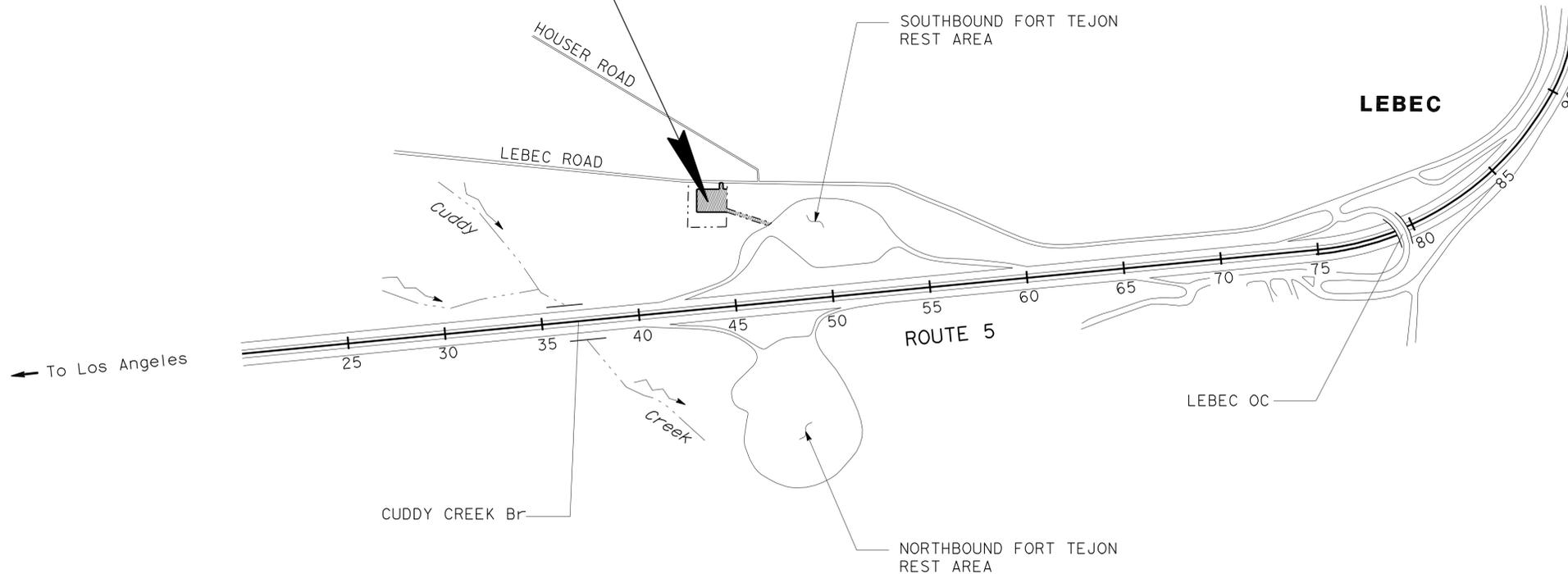
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR BUILDING CONSTRUCTION  
IN KERN COUNTY  
NEAR LEBEC  
AT THE FRAZIER SAND-SALT SHED

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION  
FRAZIER SAND-SALT SHED  
LOCATION CODE 5755  
PM 0.7 (ROUTE 5)



NO SCALE

PROJECT MANAGER  
ERIC WANG

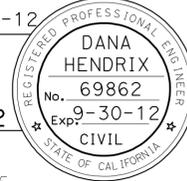
DESIGN ENGINEER  
SHAFIQUL ISLAM

PROJECT ENGINEER  
REGISTERED CIVIL ENGINEER

DATE  
4-16-12

September 24, 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.



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

CONTRACT No. **07-4T3504**  
PROJECT ID **0700020019**

DATE PLOTTED => 26-SEP-2012  
TIME PLOTTED => 07:52  
00-00-00

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		2	41

REGISTERED CIVIL ENGINEER	DATE
<i>[Signature]</i>	4-16-12
PLANS APPROVAL DATE	
	9-24-12

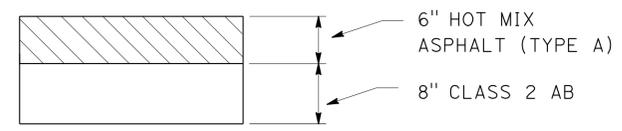
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



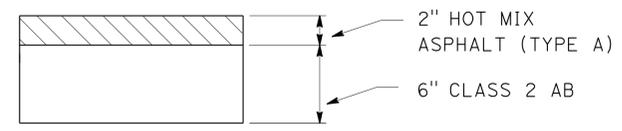
- NOTES:**
1. FOR ACCURATE RIGHT-OF-WAY DATA CONTACT RIGHT-OF-WAY ENGINEERING AT THE DISTRICT OFFICE.
  2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
  3. EXISTING DRAINAGE INLETS HAVE NOT BEEN PLOTTED ON THESE PLANS.
  4. EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

**ABBREVIATION:**  
FF FINISHED FLOOR

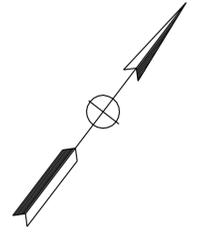
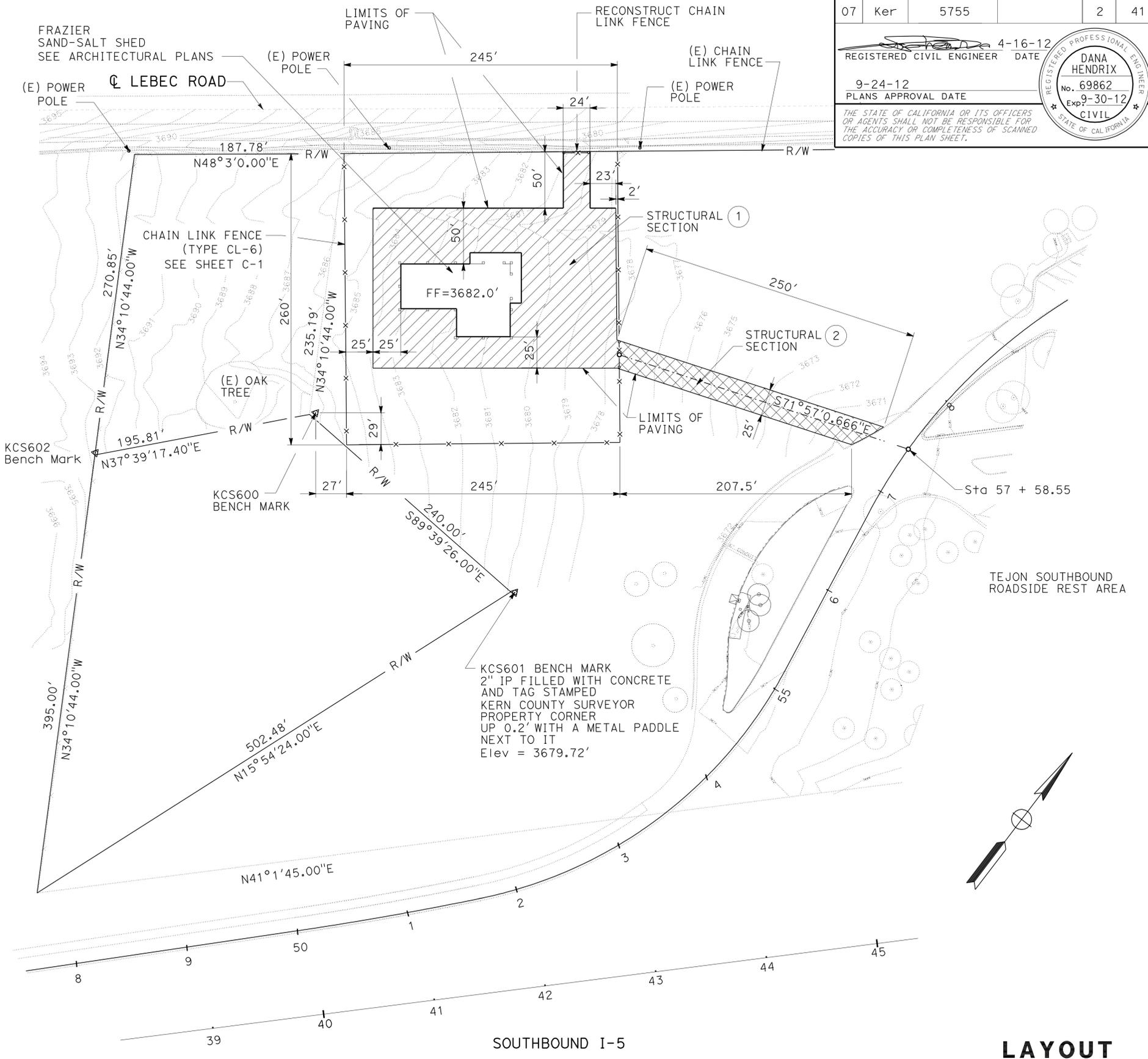
- LEGEND:**
- STRUCTURAL SECTION 1
  - STRUCTURAL SECTION 2



**PAVEMENT STRUCTURAL SECTION 1**  
NO SCALE



**PAVEMENT STRUCTURAL SECTION 2**  
NO SCALE



**LAYOUT**  
NO SCALE

**L-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>Caltrans</b> MAINTENANCE ENGINEERING	SHAFTOUL ISLAM	DANA HENDRIX	
	CHECKED BY	SHAFTOUL ISLAM	
	DESIGNED BY		

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		3	41

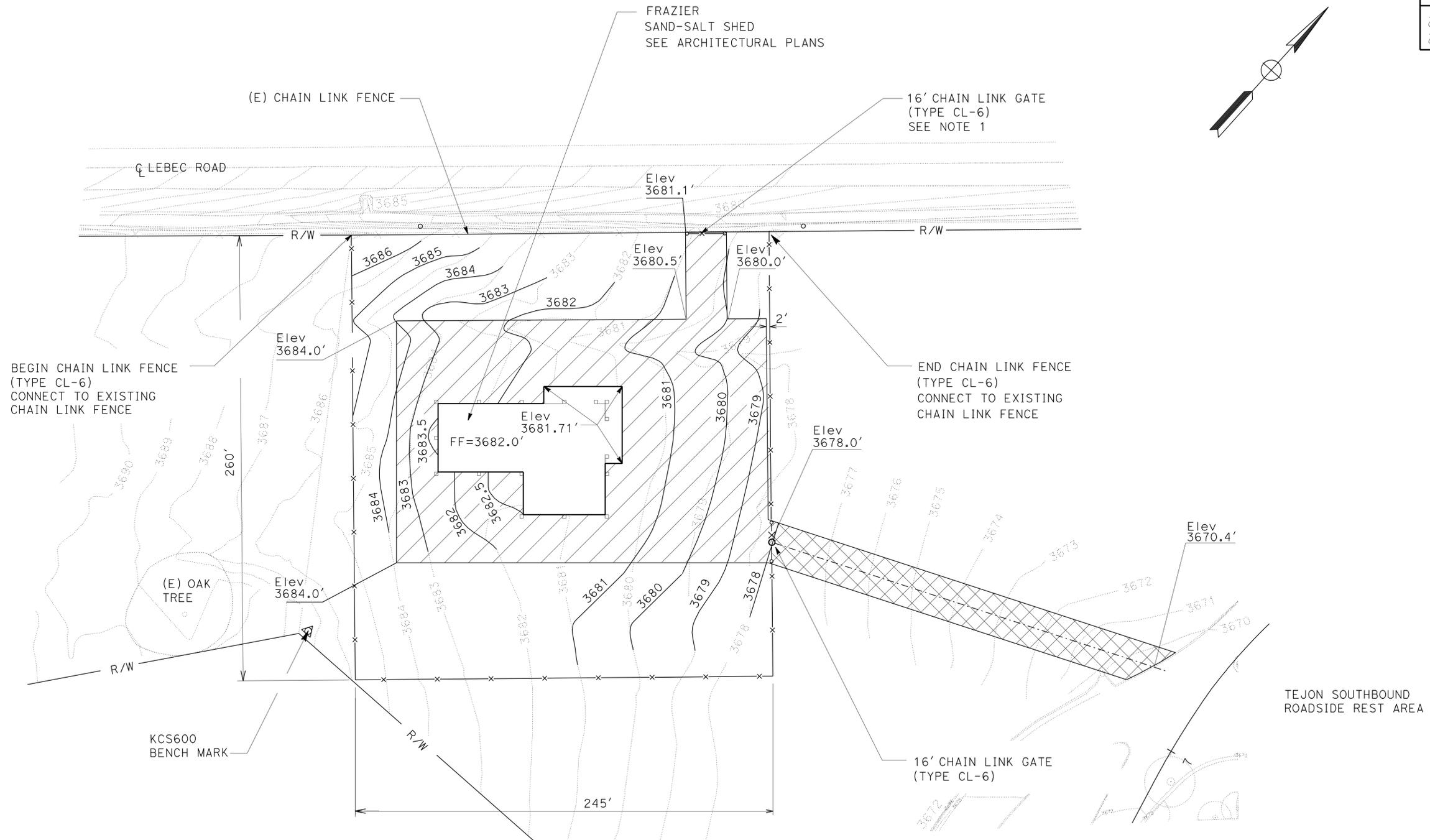
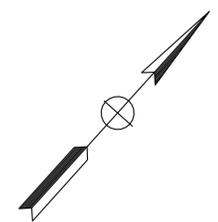
REGISTERED CIVIL ENGINEER	DATE	4-17-12
PLANS APPROVAL DATE		9-24-12

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. CENTER 16' CHAIN LINK GATE ON PAVED ENTRANCE TO FACILITY PERPENDICULAR TO LEBEC ROAD; CONNECT TO EXISTING CHAIN LINK FENCE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR  
 SHAFIOLU ISLAM

CALCULATED/DESIGNED BY  
 CHECKED BY

DANA HENDRIX  
 SHAFIOLU ISLAM

REVISED BY  
 DATE REVISED

DATE

**CONSTRUCTION DETAILS**

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING

REVISOR BY  
 DATE REVISED

DANA HENDRIX  
 SHAFILOU ISLAM

CALCULATED-DESIGNED BY  
 CHECKED BY

FUNCTIONAL SUPERVISOR  
 SHAFILOU ISLAM

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		4	41

REGISTERED CIVIL ENGINEER DATE 4-16-12  
 9-24-12 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 DANA HENDRIX  
 No. 69862  
 Exp. 9-30-12  
 CIVIL  
 STATE OF CALIFORNIA

**NOTES:**

- FOR ACCURATE RIGHT-OF-WAY DATA CONTACT RIGHT-OF-WAY ENGINEERING AT THE DISTRICT OFFICE.
- LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

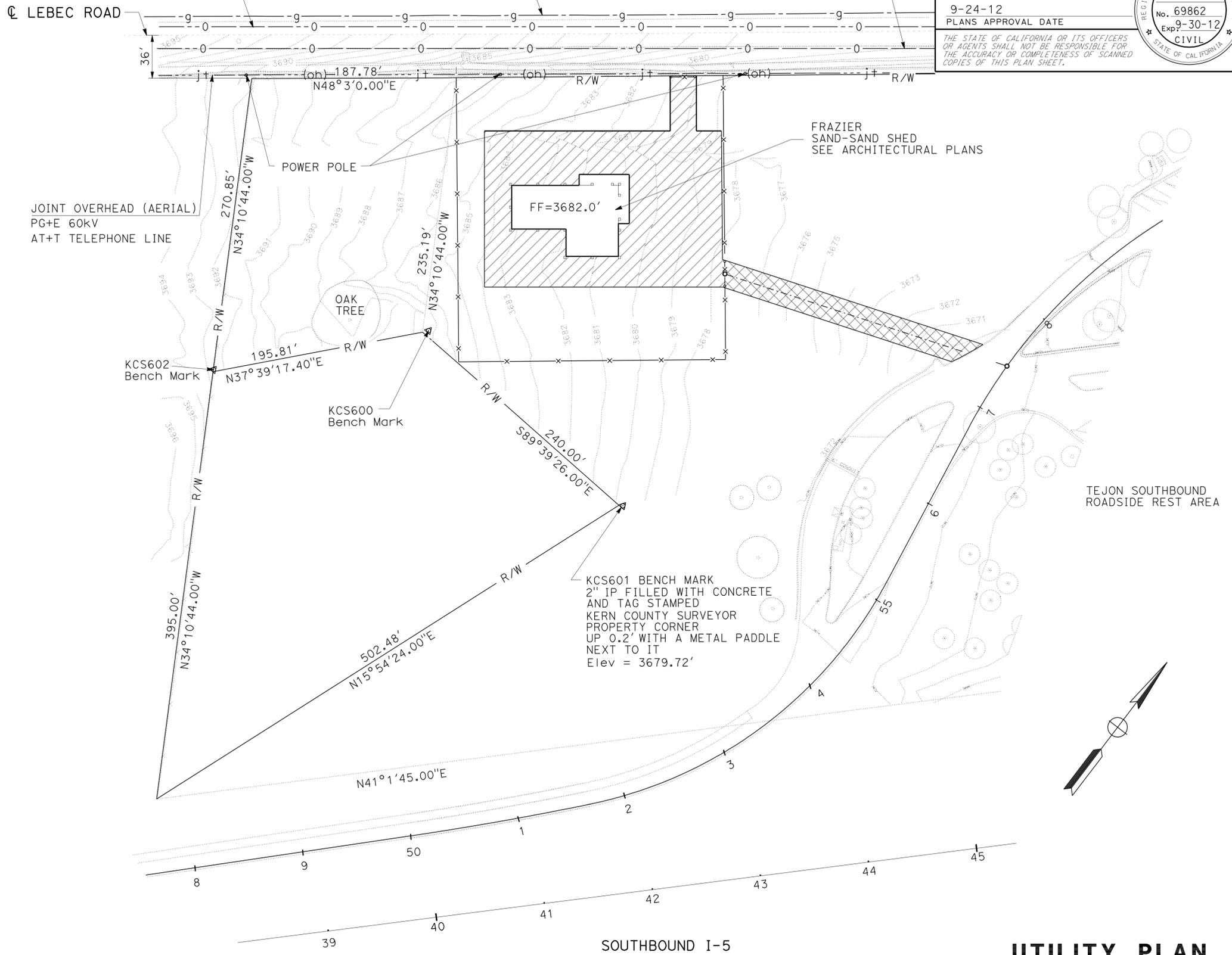
**UTILITY OWNERSHIP:**

GAS	SOUTHERN CALIFORNIA GAS COMPANY
WATER	LEBEC COUNTY WATER DISTRICT
ELECTRIC	PACIFIC GAS + ELECTRIC COMPANY
TELEPHONE	AT+T
OIL	EXXONMOBIL PIPELINE COMPANY PACIFIC PIPELINE SYSTEM LLC

EXXONMOBIL PIPELINE COMPANY  
 12" CRUDE OIL PIPELINE  
 10' N  $\phi$  LEBEC ROAD

SOUTHERN CALIFORNIA GAS COMPANY  
 6" POLY PIPE 17" N  $\phi$  LEBEC ROAD

PACIFIC PIPELINE SYSTEM, LLC  
 20" CRUDE OIL PIPE LINE 12" S  $\phi$  LEBEC ROAD  
 FIBER OPTIC CONDUIT SYSTEM IS TYPICALLY  
 1' ABOVE AND WEST OF THE 20" PIPE



APPROVED FOR UTILITY INFORMATION ONLY

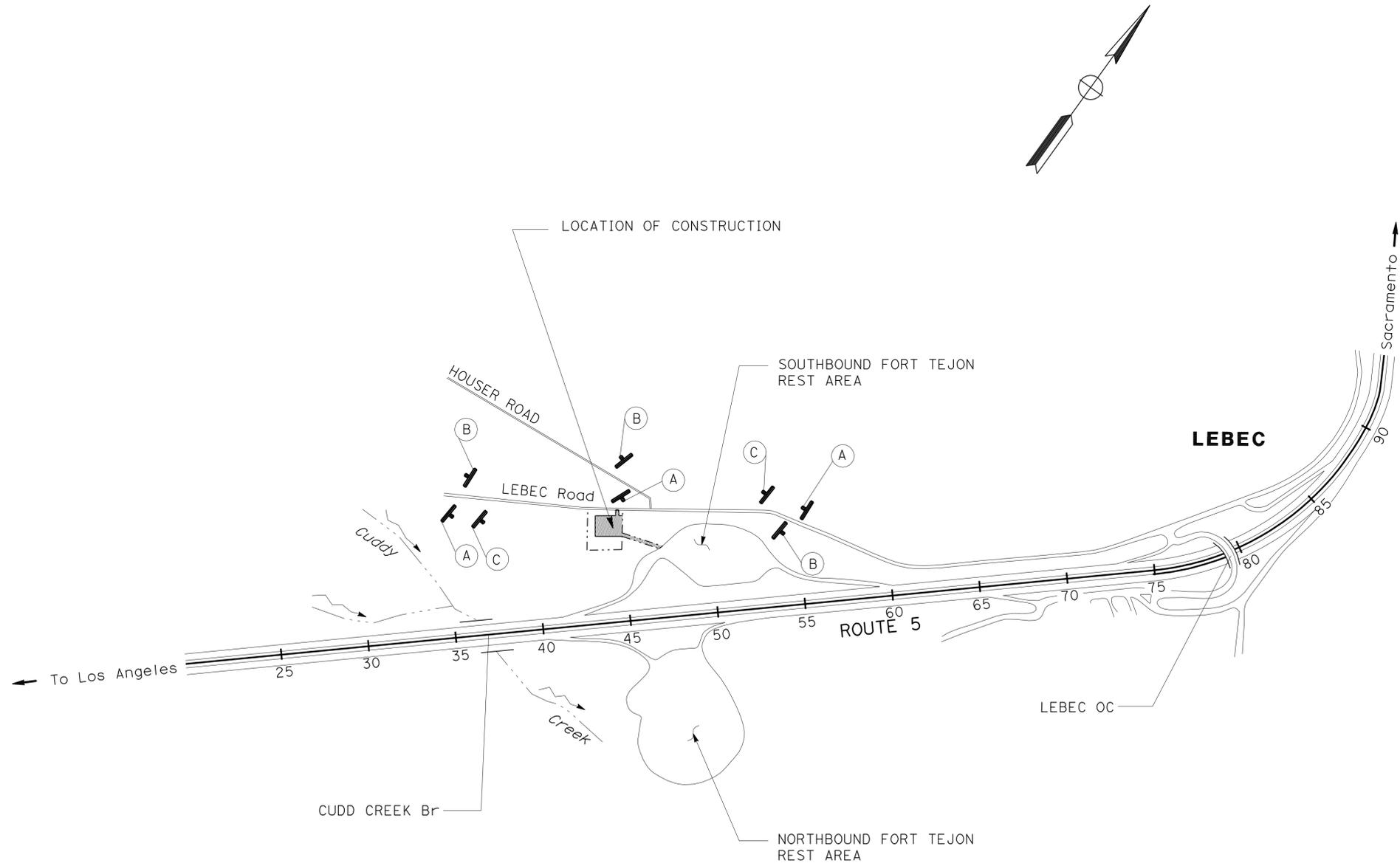
**UTILITY PLAN**  
 NO SCALE

**U-1**

**NOTES:**

- "TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES" SIGNS SHALL BE PLACED APPROXIMATELY 500 FEET IN ADVANCE OF "ROAD WORK AHEAD" SIGNS OR AS DETERMINED BY THE ENGINEER.
- LOCATIONS OF CONSTRUCTION AREA SIGNS AS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

<b>STATIONARY MOUNTED CONSTRUCTION AREA SIGNS</b>					
SIGN No.	SIGN CODE	PANEL SIZE	QUANTITY	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
(A)	W20-1	36" x 36"	3	1 - 6" x 6"	ROAD WORK AHEAD
(B)	G20-2	36" x 18"	3	1 - 4" x 6"	END ROAD WORK
(C)	C40(CA)	108" x 42"	2	2 - 4" x 6"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES



**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-1**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR: SHAFIOUL ISLAM  
 CALCULATED/DESIGNED BY: SHAFIOUL ISLAM  
 CHECKED BY: SHAFIOUL ISLAM  
 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	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		6	41

4-16-12  
 REGISTERED CIVIL ENGINEER DATE

9-24-12  
 PLANS APPROVAL DATE

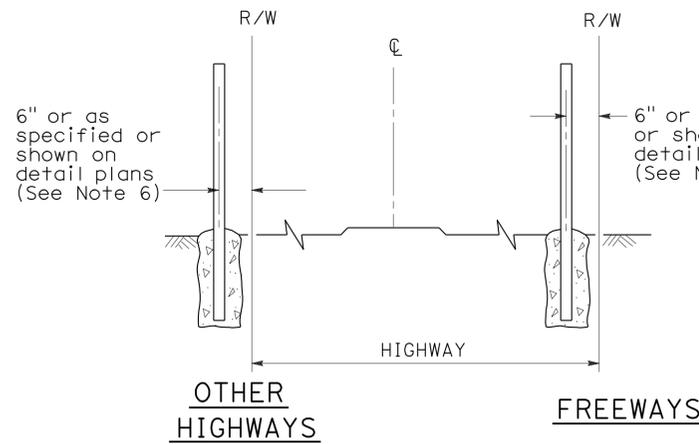
REGISTERED PROFESSIONAL ENGINEER  
 DANA HENDRIX  
 No. 69862  
 Exp. 9-30-12  
 CIVIL  
 STATE OF CALIFORNIA

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

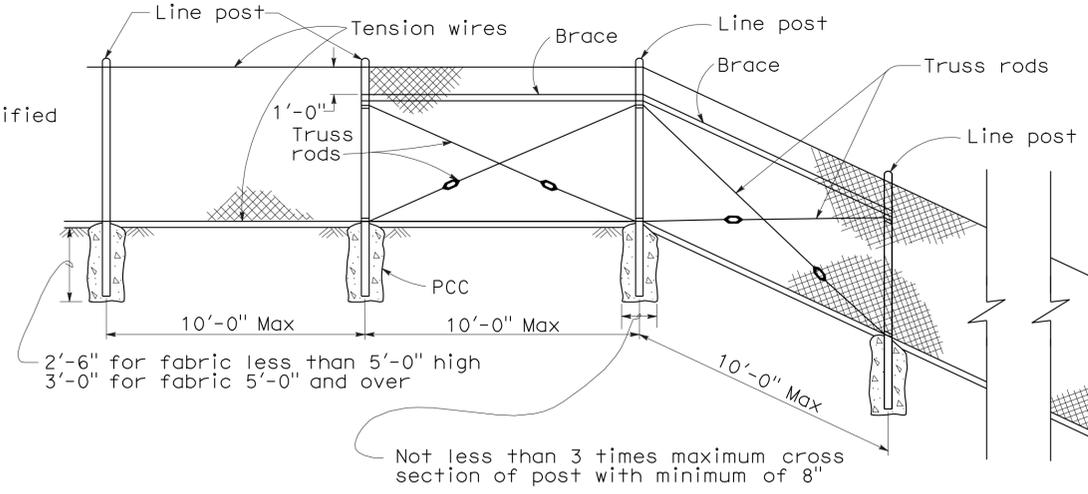
**SUMMARY OF ROADWAY AND TEMPORARY WATER POLLUTION CONTROL QUANTITIES**

	TEMPORARY GRAVEL BAG BERM	TEMPORARY COVER	RECONSTRUCT CHAIN LINK FENCE	ROADWAY EXCAVATION	CLASS 2 AGGREGATE BASE	HOT MIX ASPHALT(TYPE A)	CHAIN LINK FENCE (TYPE CL-6)	16' CHAIN LINK GATE (TYPE CL-6)
	LF	SQYD	LF	CY	CY	TON	LF	EA
<b>TOTAL</b>	600	620	24	1740	547	1,008	749	2

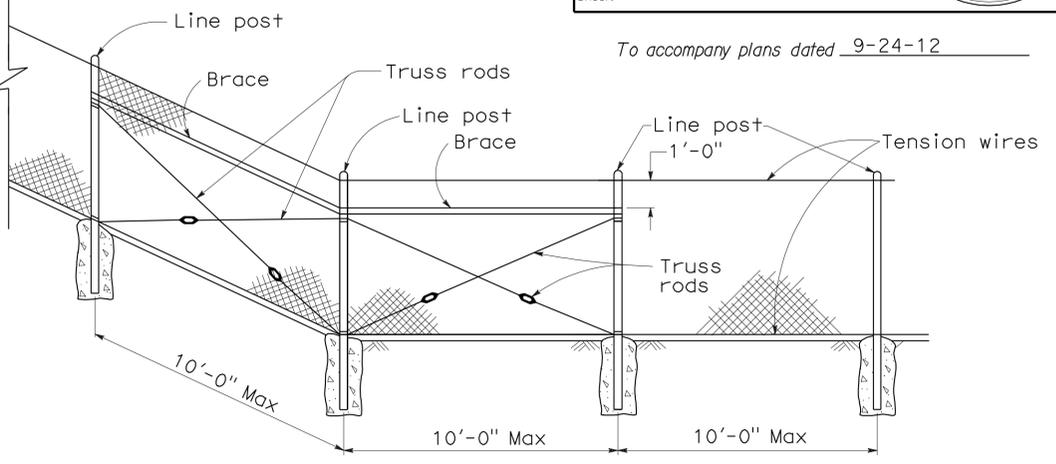
**SUMMARY OF QUANTITIES**



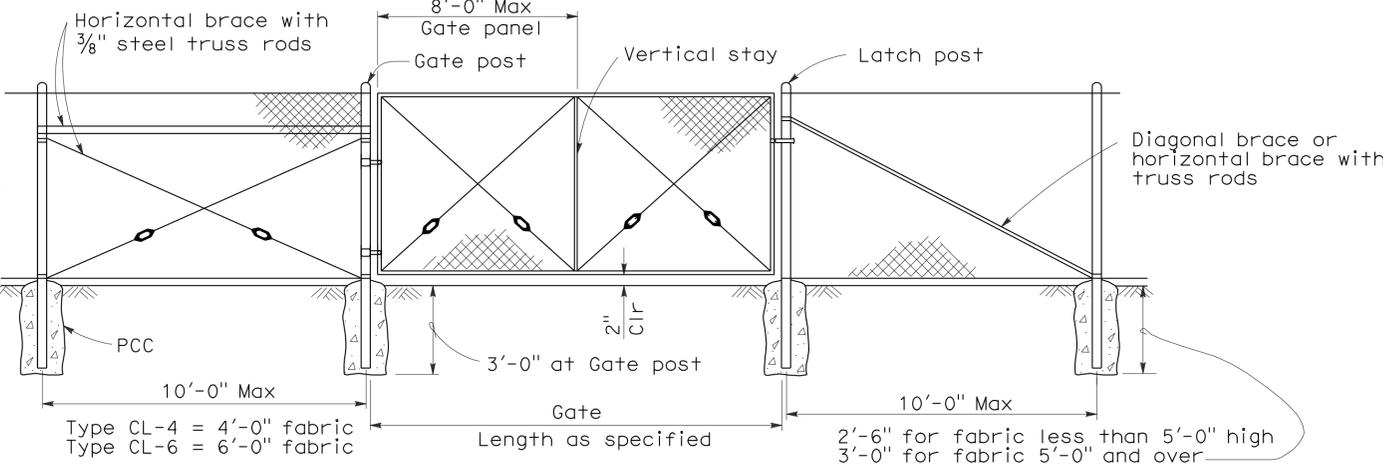
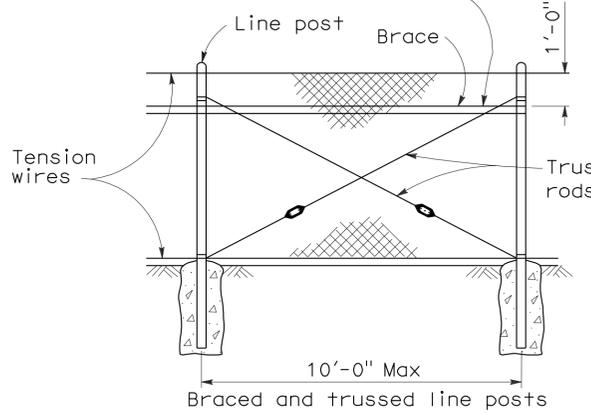
**FENCE LOCATION**



**CHAIN LINK FENCE ON SHARP BREAK IN GRADE**



Brace to be removed after all other fence construction is completed unless otherwise directed by the Engineer.



**CHAIN LINK GATE INSTALLATION**

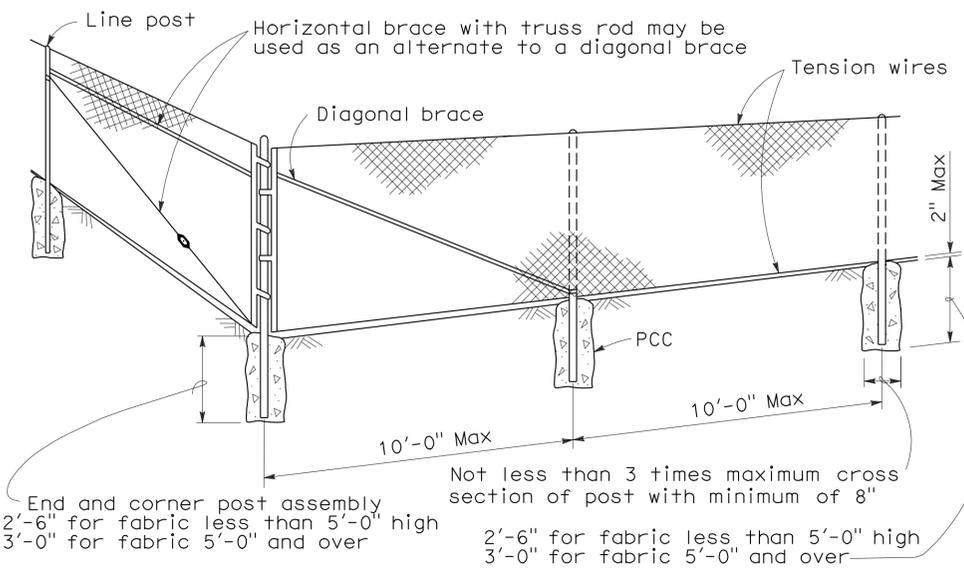
GATE POST			
FENCE HEIGHT	GATE WIDTHS	NOMINAL ID	WEIGHT PER FOOT
6'-0" and Less	Up thru 6'-0"	2 1/2"	4.95 LB
	Over 6'-0" thru 12'-0"	4"	10.79 LB
	Over 12'-0" thru 18'-0"	5"	14.62 LB
	Over 18'-0" to 24'-0" Max	6"	18.97 LB
Over 6'-0"	Up thru 6'-0"	3"	7.58 LB
	Over 6'-0" thru 12'-0"	5"	14.62 LB
	Over 12'-0" thru 18'-0"	6"	18.97 LB
	Over 18'-0" to 24'-0" Max	8"	28.55 LB

Above post dimensions and weights are minimums. Larger sizes may be used on approval of the Engineer.

**NOTES:**

- The below table shows examples of post and brace sections which may comply with the Specifications.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used on approval of the Engineer.
- Options exercised shall be uniform on any one project.
- Dimensions shown are nominal.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.

FENCE HEIGHT	TYPICAL MEMBER DIMENSIONS (See Notes)									
	LINE POSTS			END, LATCH & CORNER POSTS			BRACES			
	ROUND ID	H	ROLL FORMED	ROUND ID	ROLL FORMED		ROUND ID	H	ROLL FORMED	
6' & less	1 1/2"	1 7/8" x 1 5/8"	1 7/8" x 1 5/8"	2"	3 1/2" x 3 1/2"	2" x 1 3/4"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"
Over 6'	2"	2 1/4" x 2"	2" x 1 3/4"	2 1/2"	3 1/2" x 3 1/2"	2 1/2" x 2 1/2"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"



**CORNER POST**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CHAIN LINK FENCE**  
 NO SCALE

RSP A85 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN A85 DATED MAY 1, 2006 - PAGE 111 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP A85**

2006 REVISED STANDARD PLAN RSP A85

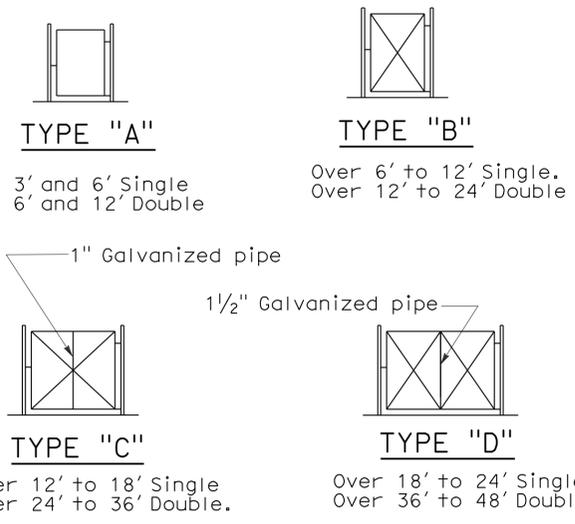
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5755		8	41

Glenn DeCou  
 REGISTERED CIVIL ENGINEER  
 No. C34547  
 Exp. 9-30-09  
 STATE OF CALIFORNIA

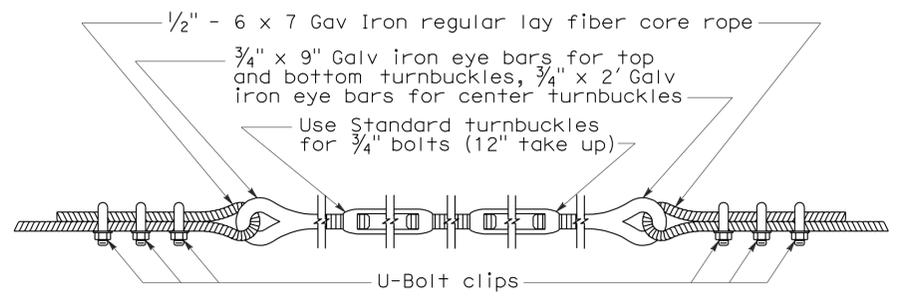
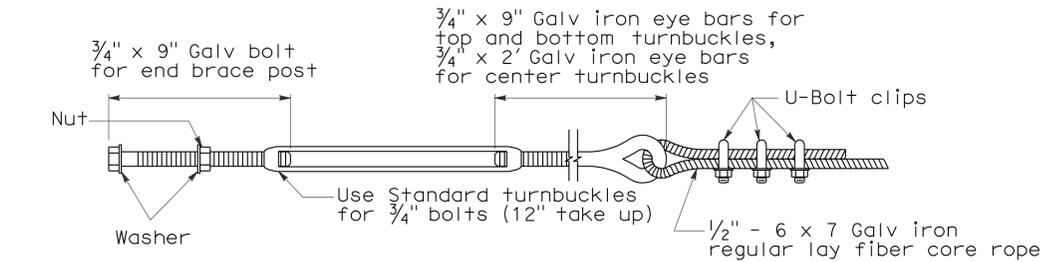
June 5, 2009  
 PLANS APPROVAL DATE

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

To accompany plans dated 9-24-12

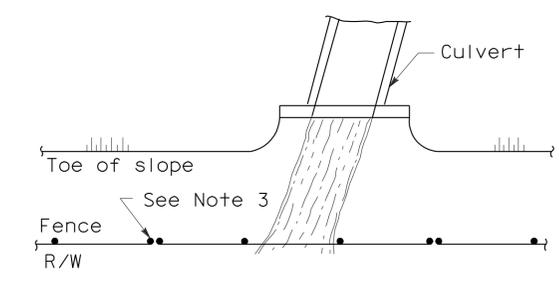


**TYPICAL FRAMEWORK SHOWING NUMBER OF BAYS IN GATE**

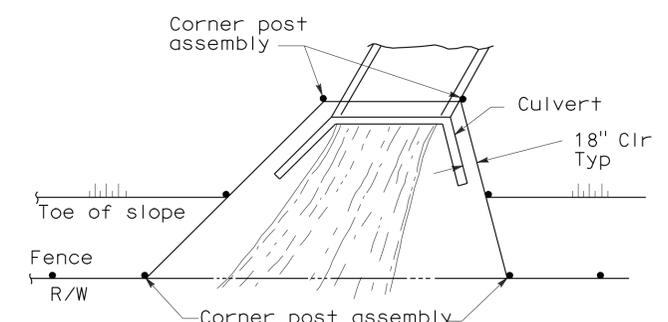


**NOTES:**

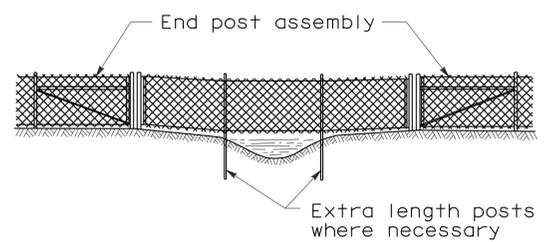
- All material for abutment connection to be galvanized.
- The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
- When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
- Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
- See Revised Standard Plan RSP A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.



**PLAN**

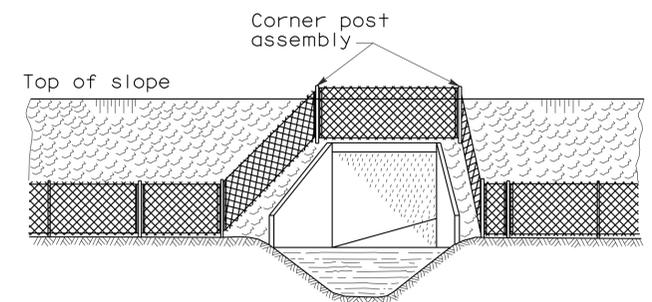


**PLAN**



**ELEVATION**

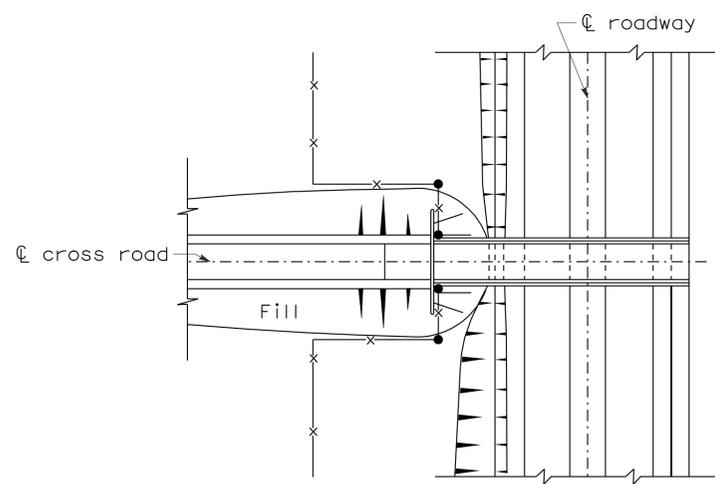
**INSTALLATION OVER STREAM**



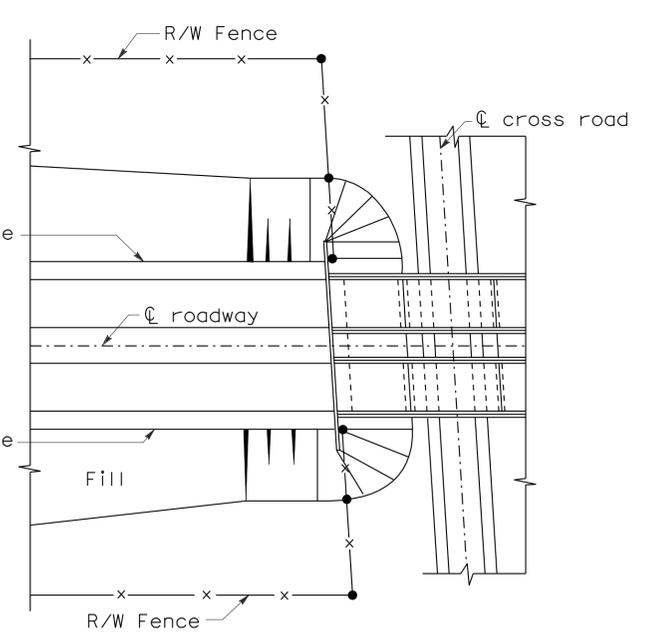
**ELEVATION**

**INSTALLATION AROUND HEADWALL**

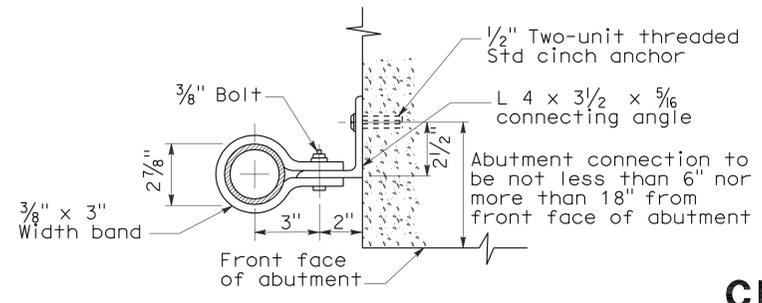
See Note 4



**PLAN OF ROADWAY - UNDERPASS**



**PLAN OF ROADWAY - OVERPASS**



**ABUTMENT CONNECTION**

**TYPICAL INSTALLATION AT BRIDGES**

**CHAIN LINK FENCE DETAILS**

NO SCALE

NSP A85B DATED JUNE 5, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

**NEW STANDARD PLAN NSP A85B**

2006 NEW STANDARD PLAN NSP A85B

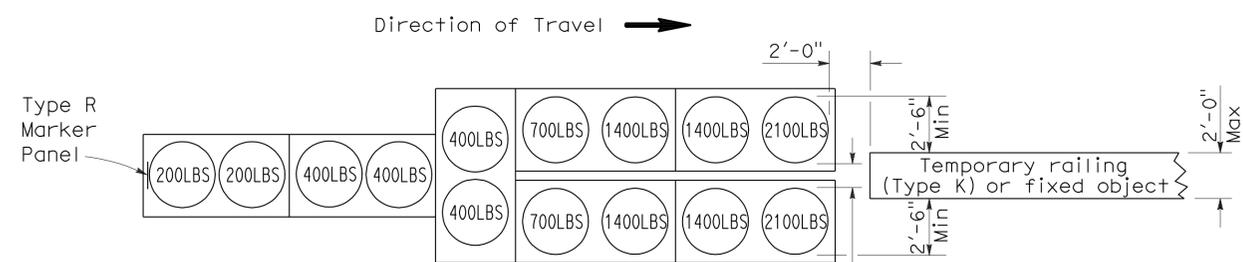
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5755		9	41

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

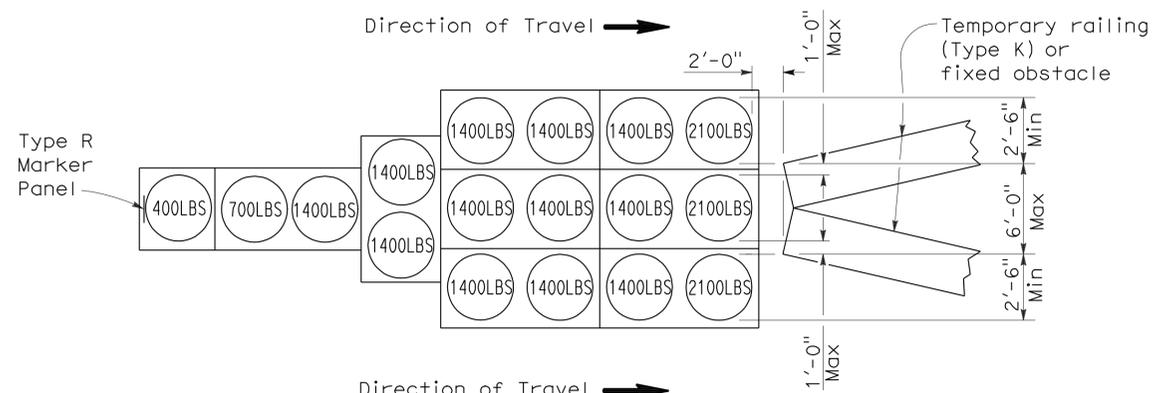
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 9-24-12



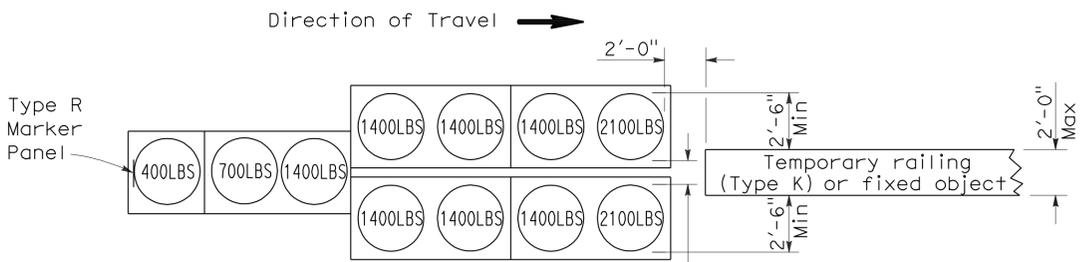
**ARRAY 'TU14'**

Approach speed 45 mph or more



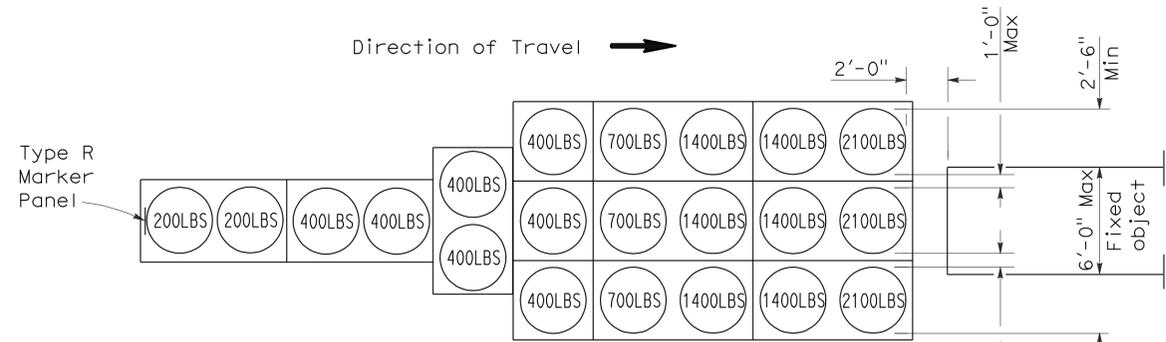
**ARRAY 'TU17'**

Approach speed less than 45 mph



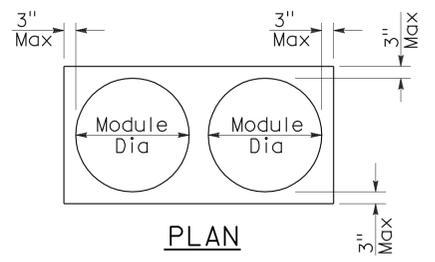
**ARRAY 'TU11'**

Approach speed less than 45 mph

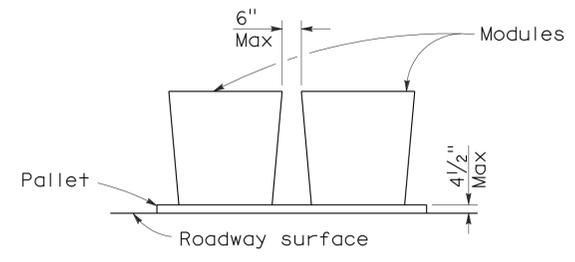


**ARRAY 'TU21'**

Approach speed 45 mph or more



**PLAN**



**ELEVATION**

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

**REVISED STANDARD PLAN RSP T1A**

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5755		10	41

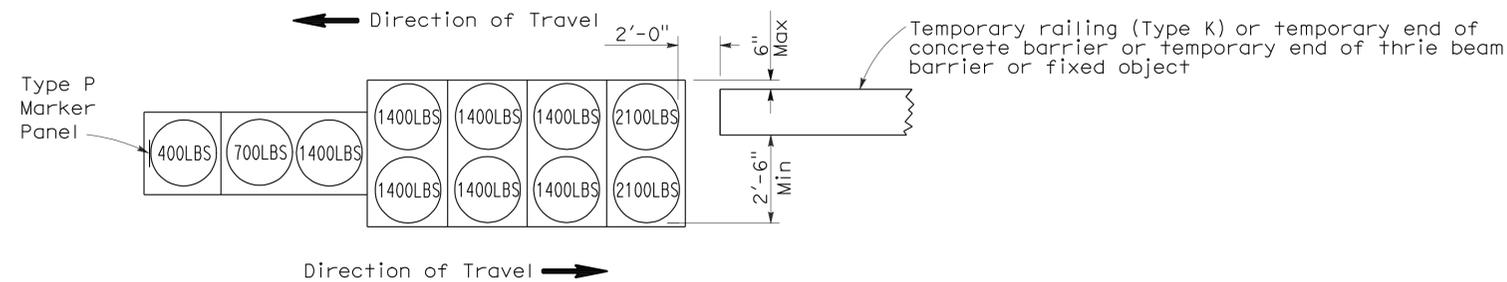
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

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

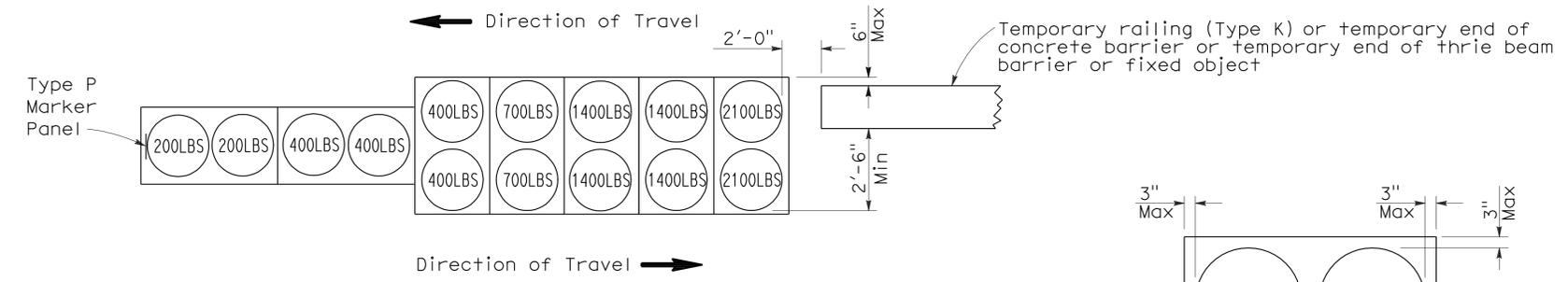


To accompany plans dated 9-24-12



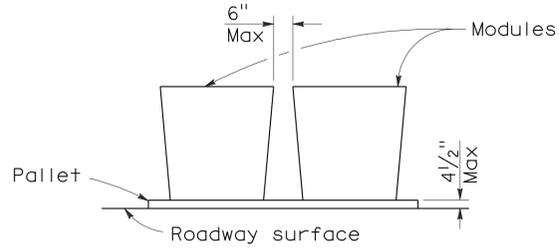
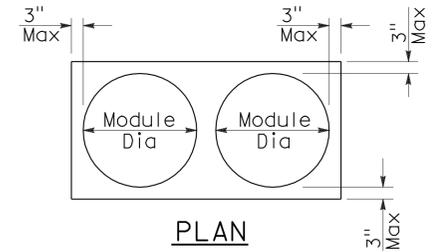
**ARRAY 'TB11'**

Approach speed less than 45 mph



**ARRAY 'TB14'**

Approach speed 45 mph or more



**CRASH CUSHION PALLET DETAIL**  
See Note 7

**NOTES:**

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

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

NO SCALE

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

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

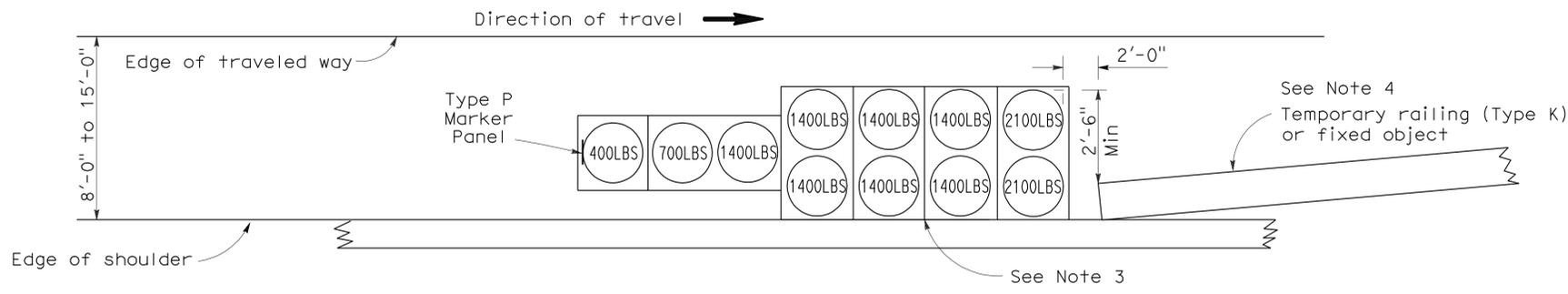
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5755		11	41

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

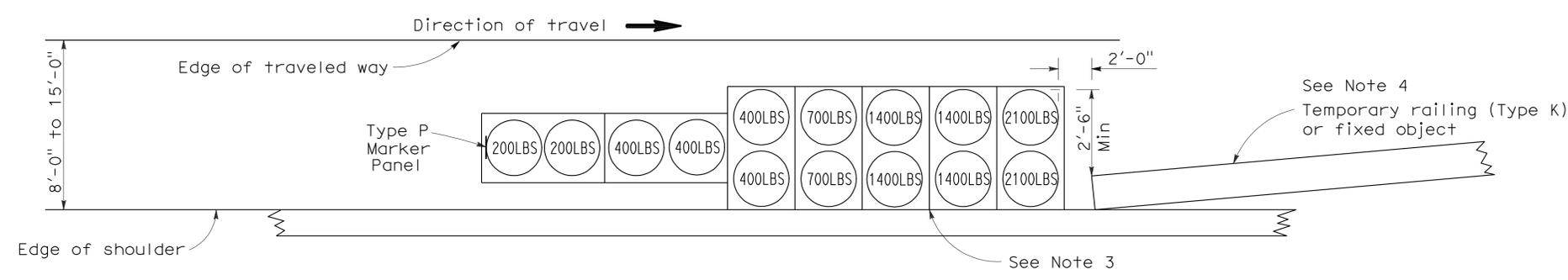
June 6, 2008  
PLANS APPROVAL DATE

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

To accompany plans dated 9-24-12



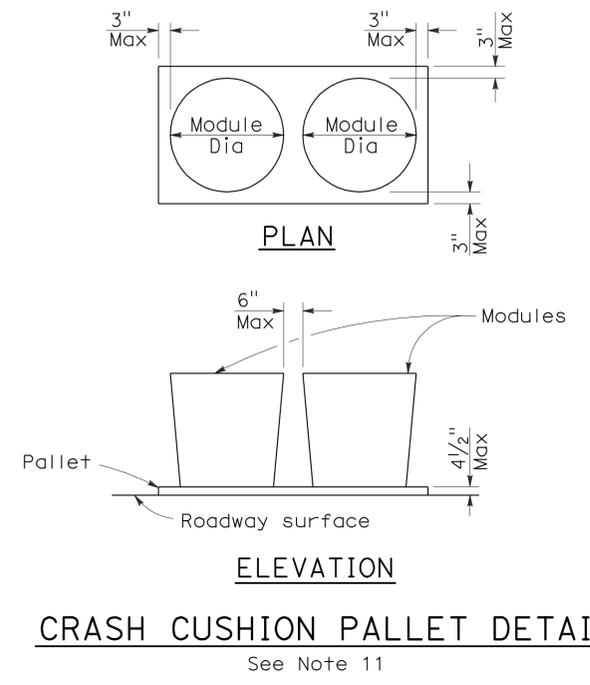
**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



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

**NOTES:**

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



**CRASH CUSHION PALLET DETAIL**  
See Note 11

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

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

**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

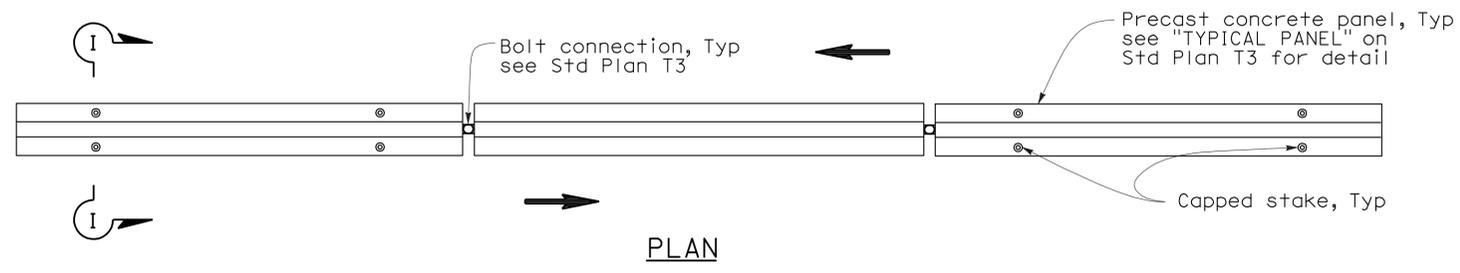
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		12	41

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

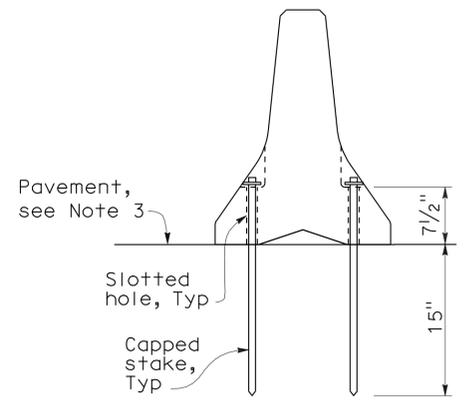
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 9-24-12



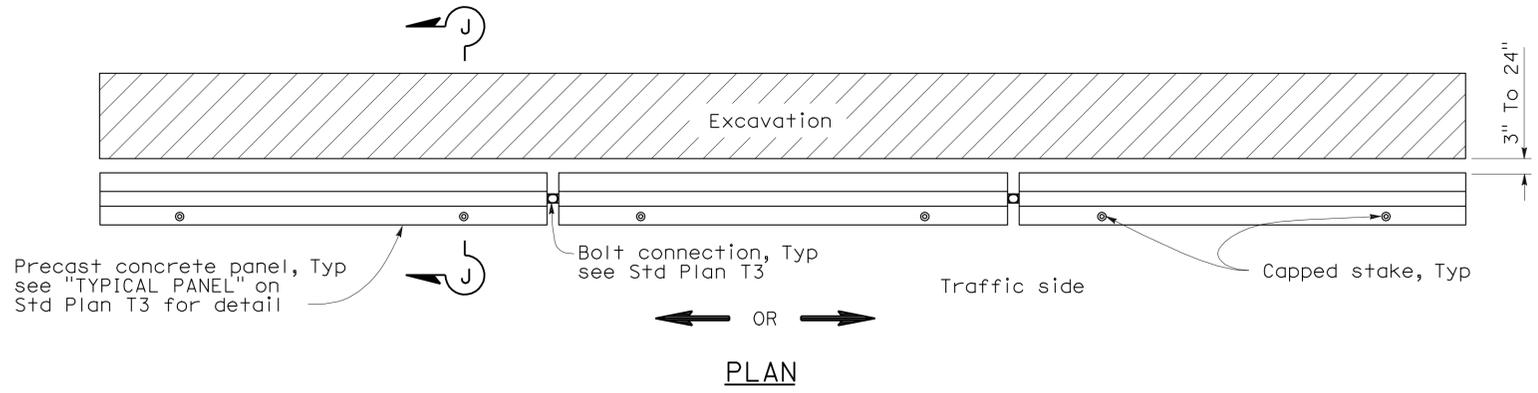
**RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC**

See Note 1



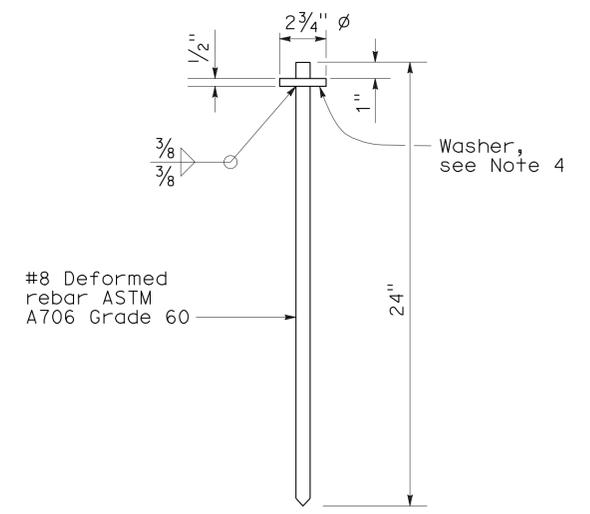
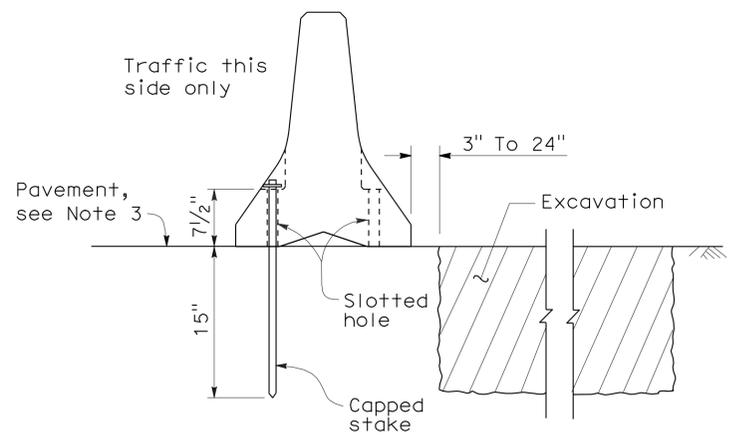
**NOTES:**

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



**RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION**

See Note 2



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING  
(TYPE K)**

NO SCALE

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

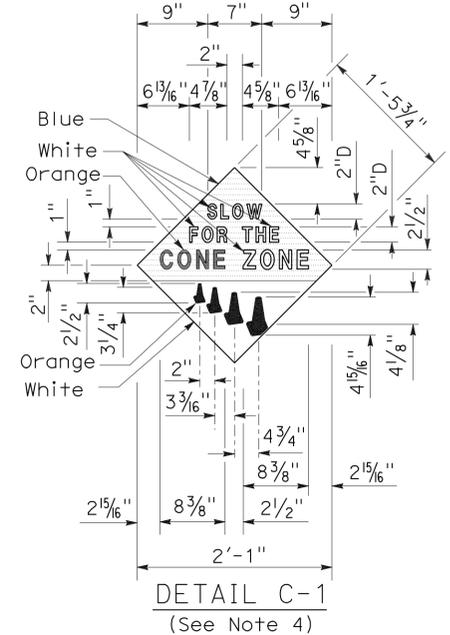
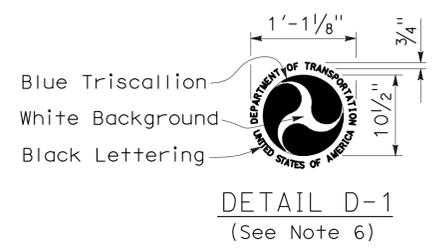
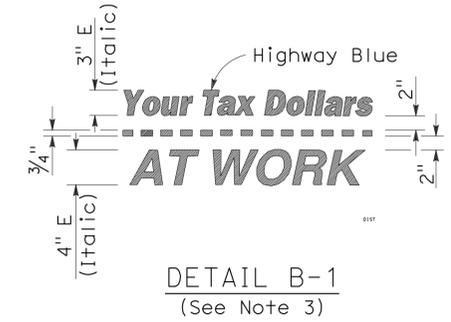
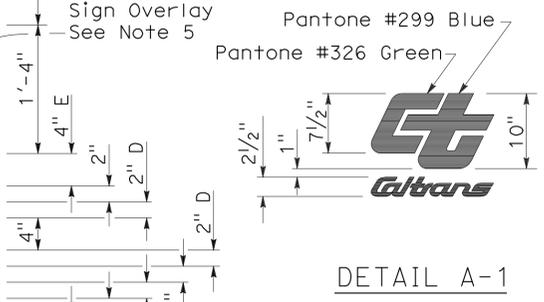
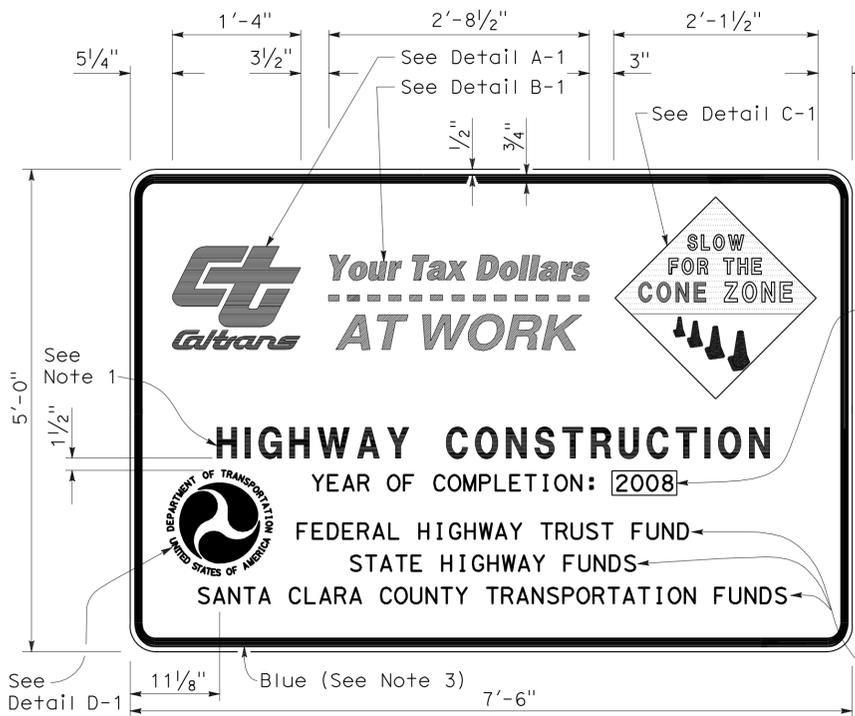
2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5755		13	41

*Greg W. Edwards*  
 REGISTERED CIVIL ENGINEER  
 November 17, 2006  
 PLANS APPROVAL DATE  
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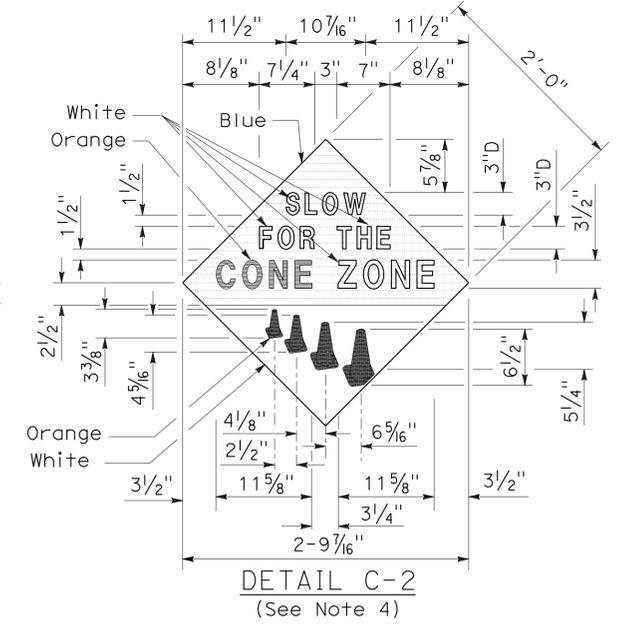
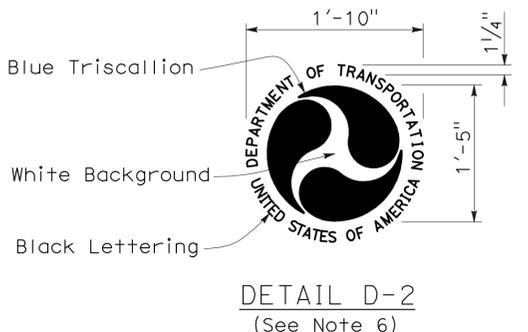
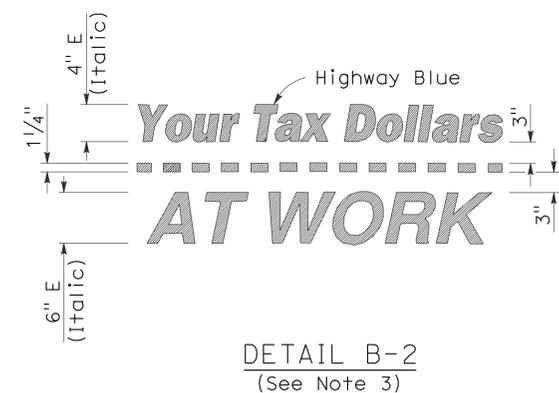
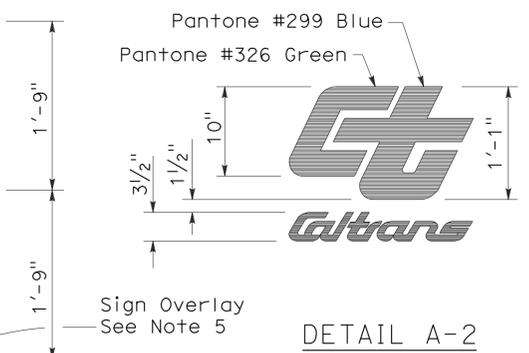
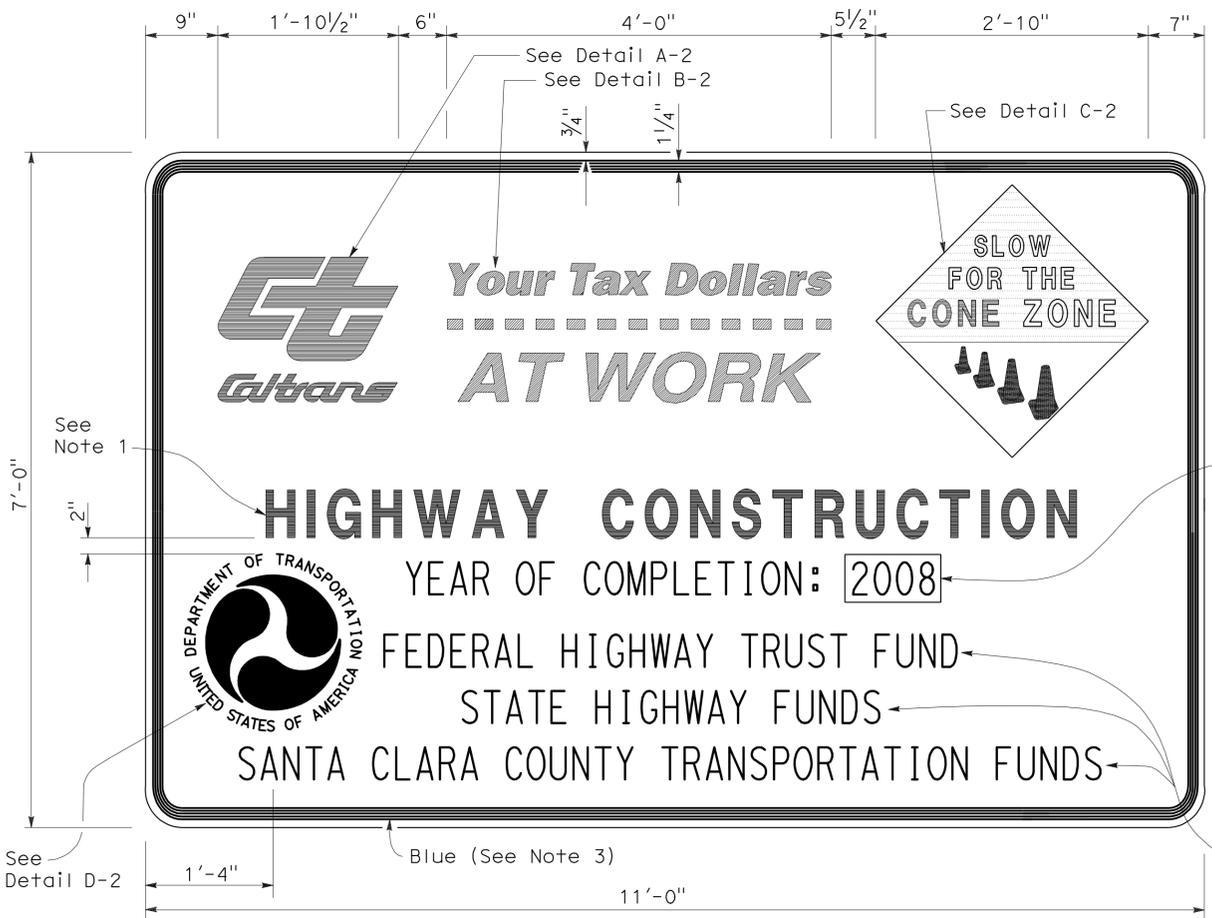
REGISTERED PROFESSIONAL ENGINEER  
 Greg W. Edwards  
 No. C36386  
 Exp. 6-30-08  
 CIVIL  
 STATE OF CALIFORNIA

To accompany plans dated 9-24-12



**NOTES:**

1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, "SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS**

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7  
 DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T7**

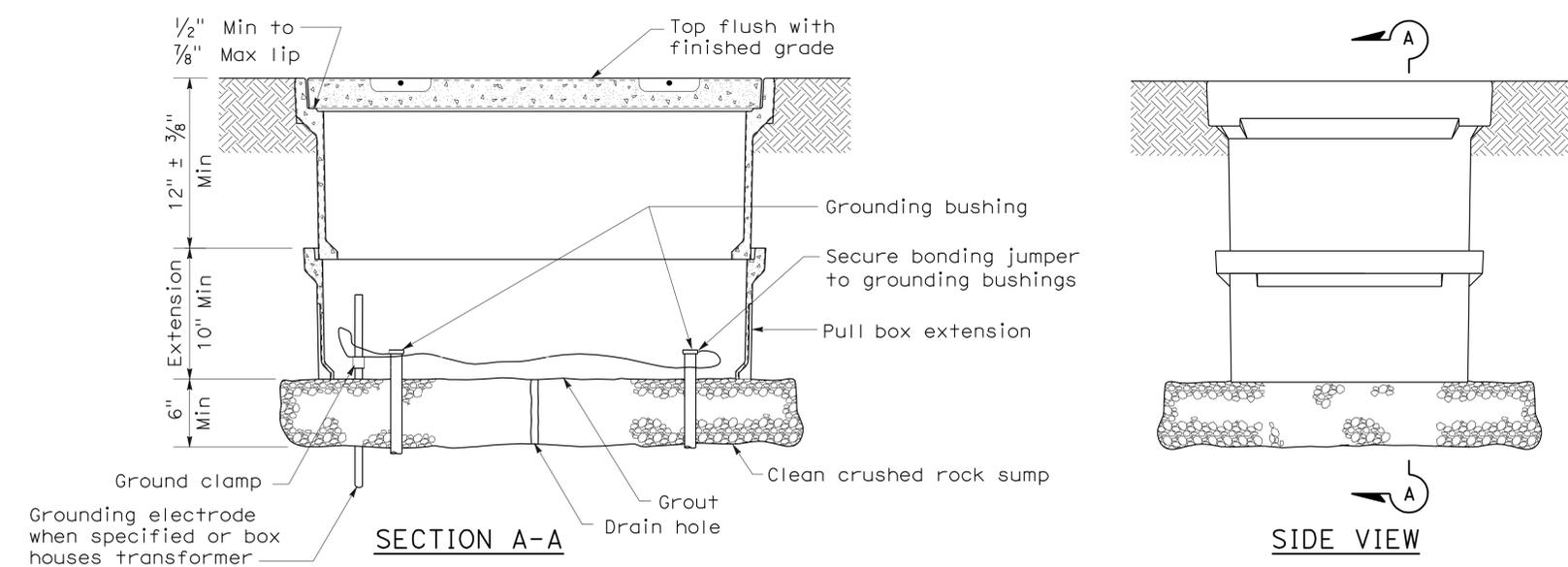
2006 REVISED STANDARD PLAN RSP T7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5755		14	41

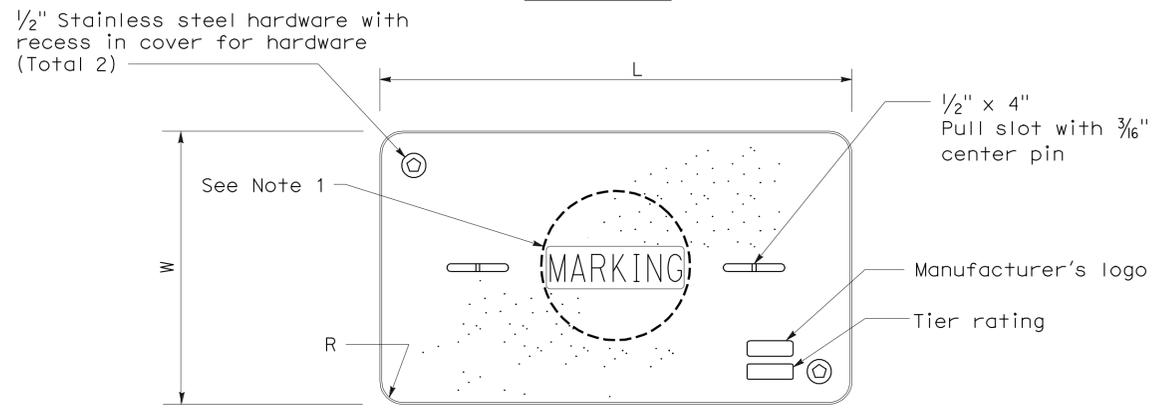
Jeffrey G. McRae  
 REGISTERED ELECTRICAL ENGINEER  
 January 20, 2012  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER  
 Jeffrey G. McRae  
 No. E14512  
 Exp. 6-30-12  
 ELECTRICAL  
 STATE OF CALIFORNIA

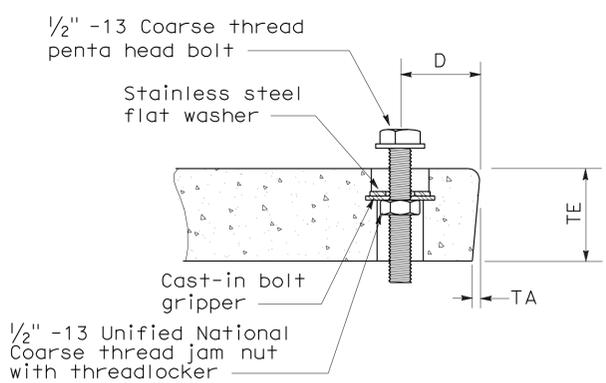
To accompany plans dated 9-24-12



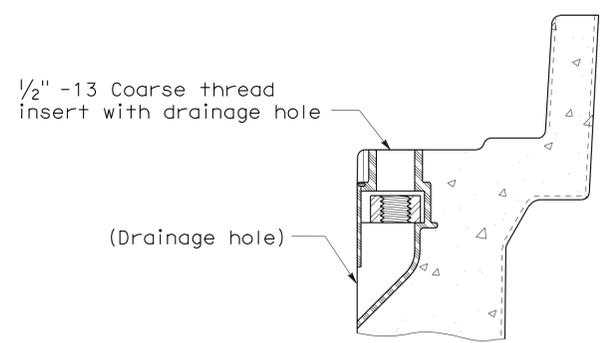
**INSTALLATION DETAILS**  
**DETAIL A**



**COVER TOP VIEW**



**TYPICAL COVER CAPTIVE BOLT**  
(Or similar)



**TYPICAL THREADED INSERT**  
(Or similar)

**NOTES ON PULL BOXES:**

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

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

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

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

2006 NEW STANDARD PLAN NSP ES-8A

INDEX OF SHEETS  
SHEET NO. DESCRIPTION

ARCHITECTURAL

- GP GENERAL PLAN
- A-0 ARCHITECTURAL ABBREVIATIONS, SYMBOLS
- A-1 FLOOR PLAN AND COLOR COATING SCHEDULE
- A-2 ROOF PLAN
- A-3 REFLECTED CEILING PLAN
- A-4 EXTERIOR ELEVATIONS
- A-5 SECTIONS
- A-6 DETAILS
- A-7 DETAILS

STRUCTURAL

- ST-1 LEGEND
- ST-2 CONCRETE STANDARD
- STI-0 DESIGN CRITERIA AND DETAIL NOTES
- STI-1 FOUNDATION PLAN
- STI-2 BUILDING SECTIONS
- STI-3 FOUNDATION AND PEDESTAL DETAILS
- STI-4 MISCELLANEOUS DETAILS
- 1 OF 3 LOG OF TEST BORINGS
- 2 OF 3 LOG OF TEST BORINGS
- 3 OF 3 LOG OF TEST BORINGS

ELECTRICAL

- EE-0 LEGEND
- EE-1 TITLE 24 COMPLIANCE NO. 1
- EE-2 TITLE 24 COMPLIANCE NO. 2
- EE-3 TITLE 24 COMPLIANCE NO. 3
- EE-4 TITLE 24 COMPLIANCE NO. 4
- EE-5 ELECTRICAL SITE PLAN
- EE-6 POWER AND LIGHTING PLAN
- EE-7 PANEL SCHEDULE AND DETAILS

ACCESSIBILITY NOTES

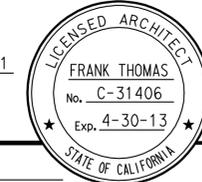
1. PEDESTRIAN PATH OF TRAVEL (POT) FROM SITE ENTRANCE ON PROPERTY LINE TO NEW BLDG IS NOT REQUIRED TO BE IN THE SCOPE OF WORK, AS NO PUBLIC TRANSPORTATION IS AVAILABLE ON ANY ADJACENT STREETS, AND THE SITE IS AT A REMOTE AND ISOLATED LOCATION THAT ANY ADJACENT STREET IS WITHOUT SIDEWALK. ALL USERS AND ANY VISITORS SHALL ARRIVE BY VEHICLES ONLY IN FRONT OF THE NEW BLDG.
2. NO PARKING SPACE IS DESIGNATED ON SITE.
3. POT IS NOT REQUIRED TO BE INDICATED ON THE SITE PLAN, AS ANY VEHICLE MAY PARK NEXT TO THE CONCRETE APRON IN FRONT OF THE NEW BUILDING TO ACCESS THE NEW BLDG, OR PARK NEXT TO THE ELECTRICAL PANEL TO ACCESS THE PANEL.
4. AISLES FORMED BY EQUIPMENT / STORED MATERIALS / WALLS SHALL BE MIN 36" WIDE IF SERVING ONE SIDE, AND MIN 44" WIDE IF SERVING BOTH SIDES.
5. CONCRETE APRON SHALL BE MAX 2% SLOPE IN ANY DIRECTION.
6. ANY LEVEL CHANGE AT OPENING BETWEEN BLDG SLAB AND CONCRETE APRON SHALL BE MAX 1/2" WITH MAX 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4" MAYBE VERTICAL.
7. SWITCHES, OUTLETS AND OTHER CONTROL OR OPERATING MECHANISM SHALL BE LOCATED AT MAX 48" TO TOP OF OUTLET BOX AND MIN 15" TO BOTTOM OF OUTLET BOX.
8. THE NEAREST ACCESSIBLE RESTROOM FACILITIES ARE AT TEJON SOUTHBOUND SRRA. THE ARCHITECT HAS VERIFIED THAT SUCH FACILITIES AND ADJACENT ACCESSIBLE PARKING ARE FULLY CODE COMPLIANT.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		15	41

*Frank Thomas*  
LICENSED ARCHITECT  
DATE 7-27-11

9-24-12  
PLANS APPROVAL DATE

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



ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA

PROJECT ID  
**0700020019**

Reviewed by: *Y. A. Wang*  
Y. A. WANG  
Date: 10-10-11

CALIFORNIA STATE FIRE MARSHAL APPROVED

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

Reviewed by: *Polly Parenti*  
POLLY PARENTI  
Approval date: 08-22-11

CSFM FILE NO. 01-15-11-0007

BUILDING DATA

BUILDING CONSTRUCTION TYPE \_\_\_\_\_ V B  
 OCCUPANCY CLASSIFICATION \_\_\_\_\_ S2  
 NUMBER OF STORIES \_\_\_\_\_ 1  
 NUMBER OF STORIES ALLOWABLE \_\_\_\_\_ 2  
 ACTUAL BUILDING HEIGHT \_\_\_\_\_ 33.25 FEET  
 ALLOWABLE BUILDING HEIGHT \_\_\_\_\_ 40 FEET  
 BUILDING AREA \_\_\_\_\_ 5,630 SF  
 ALLOWABLE AREA PER C.B.C. \_\_\_\_\_ 13,500 SF  
 AREA AND/OR HEIGHT INCREASE \_\_\_\_\_ NO  
 FIRE SPRINKLERED \_\_\_\_\_ NO  
 FIRE ALARM \_\_\_\_\_ NO  
 OTHER FIRE PROTECTION SYSTEMS \_\_\_\_\_ NO  
 SMOKE CONTROL SYSTEM \_\_\_\_\_ NO  
 OCCUPANCY LOAD \_\_\_\_\_ I2  
 (CBC TABLE 1004.II - WAREHOUSE)

ROOF COVERING CBC TABLE 1505.II

TYPE V-B CONSTRUCTION REQUIRES MIN ROOF COVERING CLASSIFICATION OF CLASS C

BUILDING USE

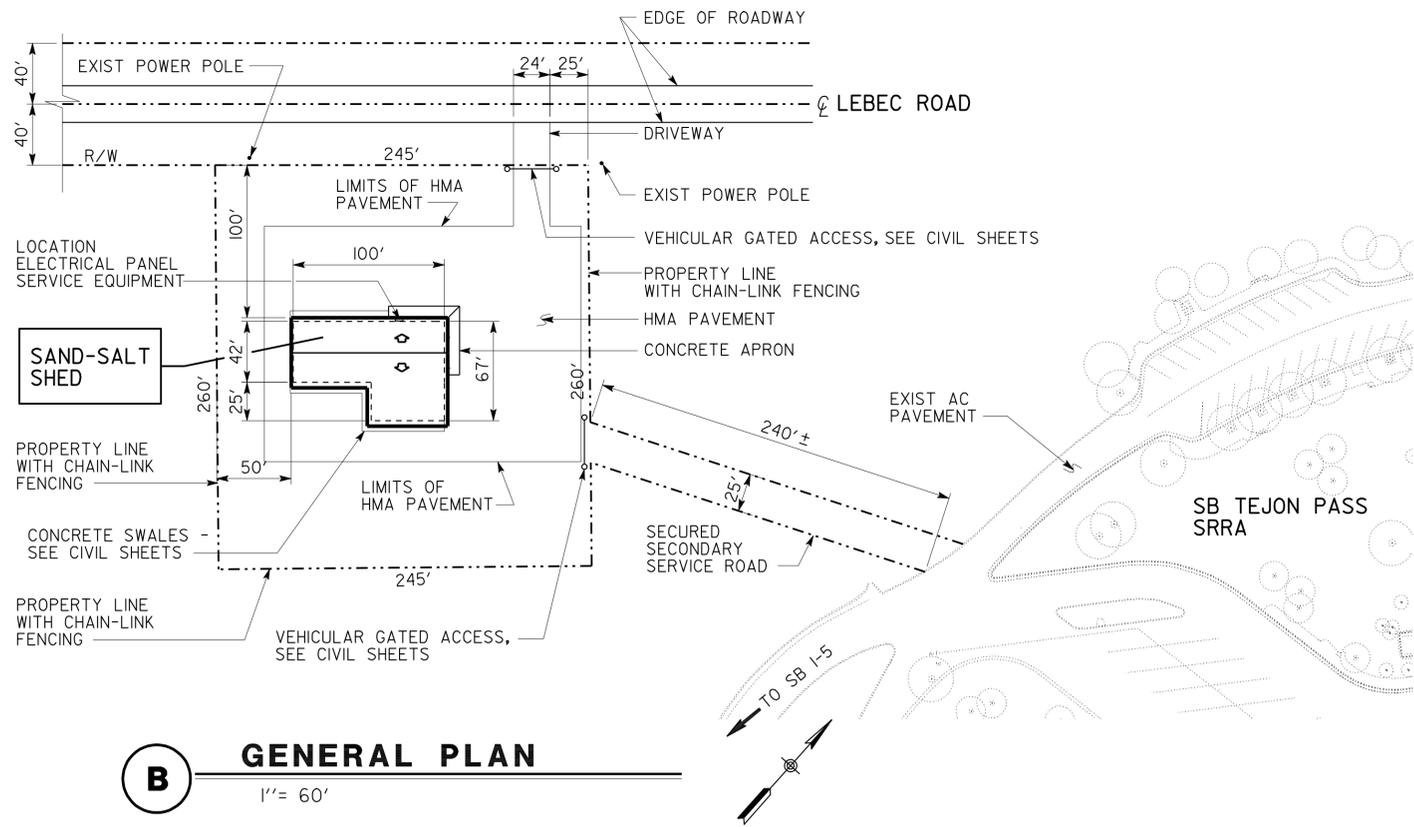
THE SAND STORAGE BUILDING WILL BE USED FOR THE PURPOSE OF STORING SAND AND SALT THAT WILL BE USED TO SPREAD ON THE ADJACENT ROADWAYS DURING INCLEMENT WEATHER

ALL THE BUILDING WORK SHALL COMPLY WITH THE FOLLOWING CODES :

- 2010 CALIFORNIA BUILDING CODE
- 2010 CAL GREEN, BUILDING STANDARDS CODE
- 2010 CALIFORNIA ENERGY CODE (CEC-T24)
- 2008 CA BUILDING ENERGY EFFICIENCY STANDARDS (T-24)
- 2010 CALIFORNIA FIRE CODE
- 2010 CALIFORNIA ELECTRICAL CODE
- 1991 ADA STANDARDS



**A** BUILDING HEIGHT  
1/16" = 1'-0"



**B** GENERAL PLAN  
1" = 60'

DESIGN SUPERVISOR <i>R.F. Travis</i> DESIGN ARCHITECT <i>Ray Wong</i>	DESIGNER F. THOMAS	CHECKED BY <i>Ray Wong</i>	SHEET LEGEND A-1 ARCHITECTURAL ST-1 STRUCTURAL EE-1 ELECTRICAL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5755	<b>FRAZIER SAND-SALT SHED</b> GENERAL PLAN	SHEET <b>GP</b>
	DRAWN BY J. KWONG	STRUCTURAL REVIEW				POST MILE		
a_00_gp.dgn TAEMWW Imper1al Rev. 7/10			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 07000200191 EA 4T3501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 07-27-11 11-14-11	SHEET OF 1 9	

09-001-2012 12:43

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

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		16	41

9-24-12  
PLANS APPROVAL DATE

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<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA PROJECT ID <b>0700020019</b> Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 10-10-11	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> POLLY PARENTI Approval date: 08-22-11
---	--

## GENERAL NOTES

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

## SYMBOLS

	GRID LINE		BUILDING SECTION LETTER
	MATCH LINE		SHEET
	WORKING POINT		ADDITIONAL REFERENCE (IF USED)
	ROOM NUMBER		DETAIL NUMBER
	DOOR DESIGNATION		SHADED ARROW INDICATES ELEVATION DRAWN
	WINDOW DESIGNATION		SECTION LETTER; SECTION DRAWN ON SAME SHEET
	LOUVER DESIGNATION		ELEVATION LETTER; ELEVATION DRAWN ON SAME SHEET
	COLOR DESIGNATION		DRAWN ON SAME SHEET

## SCOPE OF WORK

- CONSTRUCT NEW SAND-SALT SHED

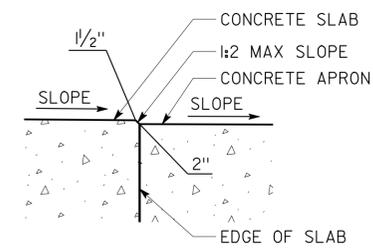
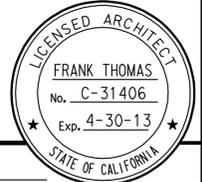
## DEFERRED SUBMITTALS

- NONE REQUIRED

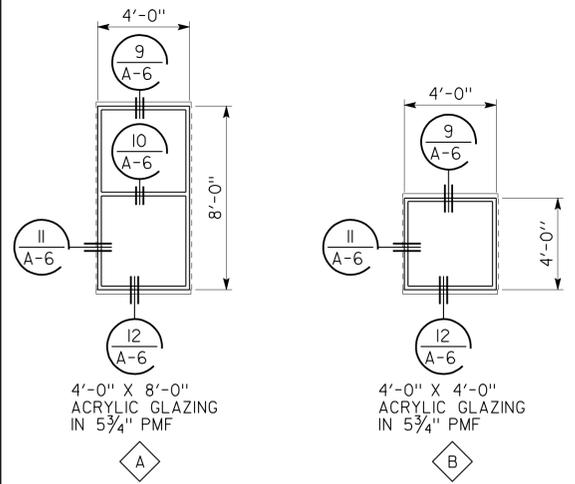
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DESIGN ARCHITECT	DRAWN BY	STRUCTURAL REVIEW	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT 3598	PROJECT NUMBER & PHASE 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF 2 9
a_01_abbrev.dgn		26-SEP-2012 08:16		TAEMWW Imper1al Rev. 7/10		07-27-11		a_01_abbrev.dgn

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		17	41

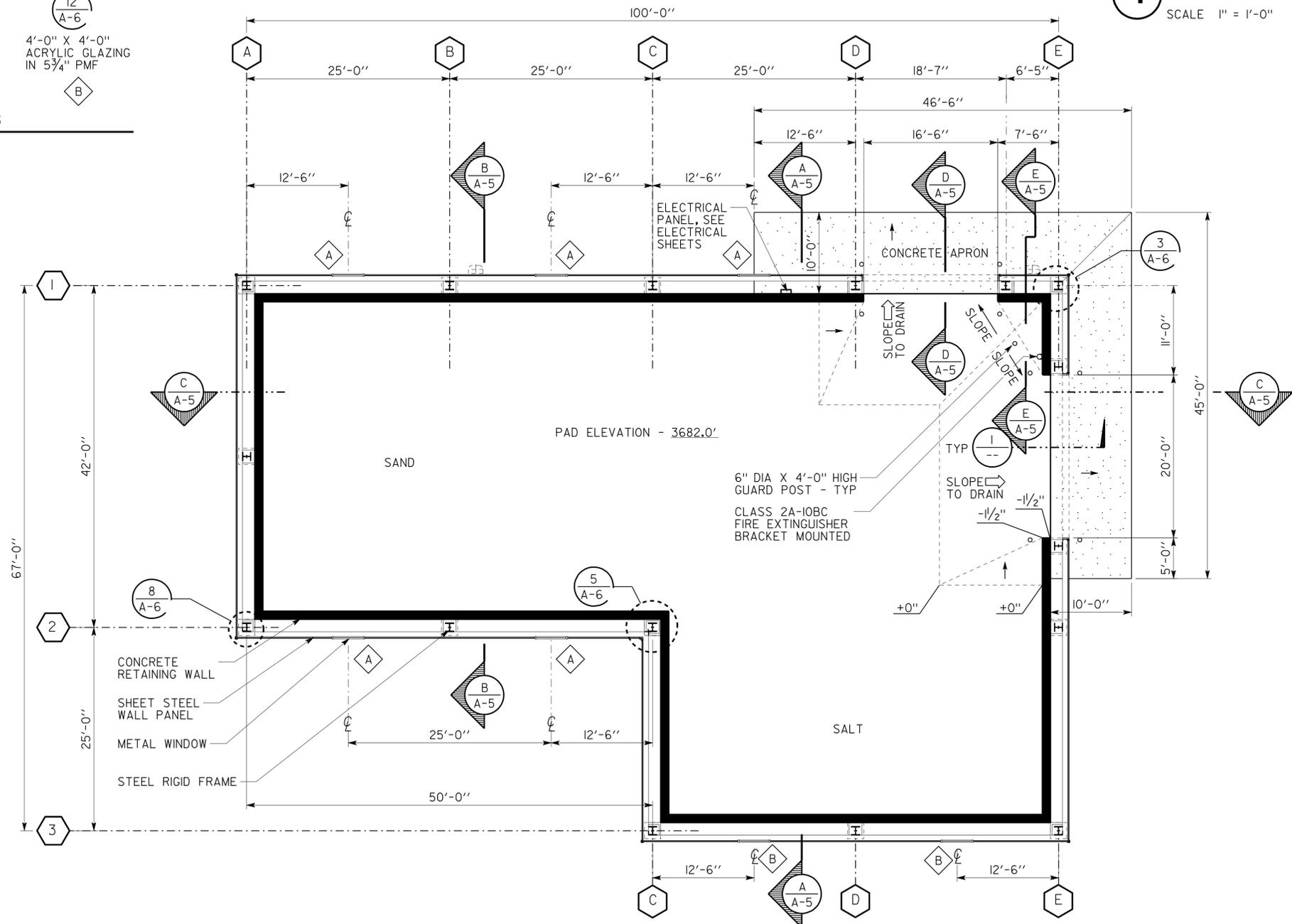
9-24-12  
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**1 SLAB TRANSITION**  
SCALE 1" = 1'-0"



**WINDOW TYPES**  
SCALE 1/4" = 1'-0"



**FLOOR PLAN**  
SCALE 1/8" = 1'-0"

<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b>
PROJECT ID <b>0700020019</b>	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y. A. WANG</i> Date: 10-10-11	Reviewed by: <i>Polly Parenti</i> POLLY PARENTI Approval date: 08-22-11

**COLOR COATING SCHEDULE**

MATERIAL	COLOR NUMBER (NOTE 2)	COATING SYSTEM	COMMENTS
METAL TRIM & FLASHINGS	N/A	PREFINISHED	SEE NOTE 1
METAL WINDOW FRAMES	37880	PREFINISHED	
SHEET STEEL ROOF PANELS	37880	PREFINISHED	SEE NOTE 3
SHEET STEEL WALL PANELS	37880	PREFINISHED	SEE NOTE 3
STEEL BEAMS, COLUMNS AND GIRTS	37880		
PMF AT OPENINGS	37880	PREFINISHED	SEE NOTE 1
STEEL GUARD POSTS	33696		SAFETY YELLOW
STEEL BOLTS, FASTENERS, BRACKETS ETC.	--		SEE NOTE 1
CONCRETE WALLS	--	HARDENER AND SEALER	SEE NOTE 4
CONCRETE SLAB	--	HARDENER AND SEALER	

**SHEET TITLE**

- METAL FLASHINGS AND TRIM SHALL BE FACTORY COATED OR SHALL BE FIELD COATED TO MATCH COLOR OF STEEL WALL AND ROOF PANELS
- COLORS ARE SELECTED FROM "FEDERAL STANDARD COLOR SITE", <http://www.colorservers.net>
- TO BE SELECTED FROM MANUFACTURERS STANDARD COLOR CHART
- PROVIDE CONCRETE WATER REPELLENT COATING

a_01_floor_plan.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY F THOMAS	CHECKED <i>Ray W...</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5755	FRAZIER SAND-SALT SHED	SHEET A-1
	DETAILS BY J KWONG	CHECKED <i>Ray W...</i>			POST MILE		
26-SEP-2012 13:52	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF 3 9

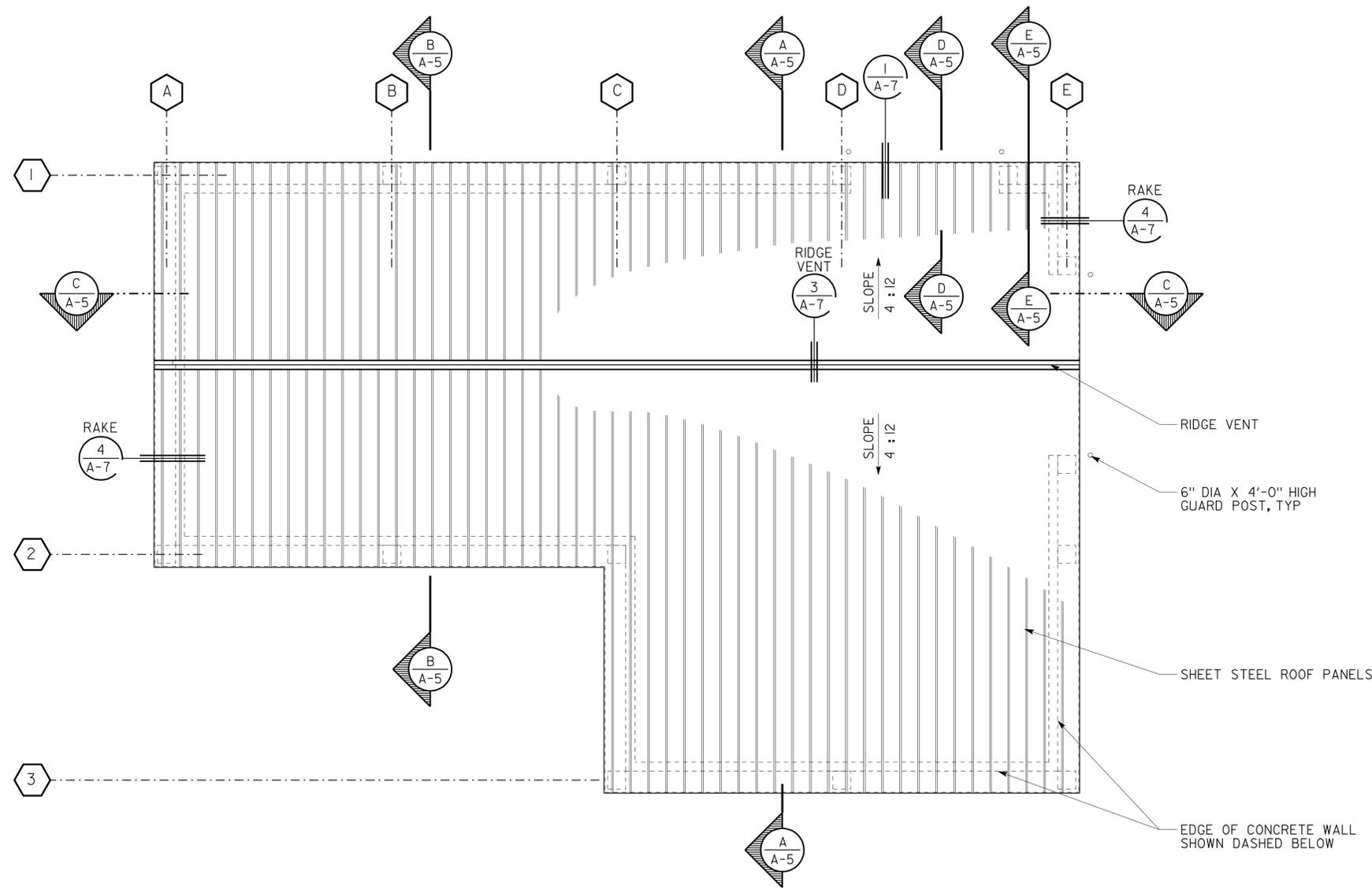
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		18	41

*Frank Thomas*  
 LICENSED ARCHITECT      7-27-11 DATE

LICENSED ARCHITECT  
 FRANK THOMAS  
 No. C-31406  
 Exp. 4-30-13  
 STATE OF CALIFORNIA

9-24-12  
 PLANS APPROVAL DATE

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Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 10-10-11	Reviewed by: <i>Polly Parenti</i> POLLY PARENTI Approval date: 08-22-11


**ROOF PLAN**  
 SCALE 1/8" = 1'-0"

a_02_roof_plan.dgn	26-SEP-2012 08:17	DESIGN BY F THOMAS DETAILS BY J KWONG QUANTITIES BY	CHECKED <i>Ray Wong</i> CHECKED <i>Ray Wong</i> CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5755 POST MILE	<b>FRAZIER SAND-SALT SHED</b> ROOF PLAN	SHEET <b>A-2</b>
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 0700020019 EA 4T3501	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 07-27-11 11-14-11	SHEET OF 4 9					

26-SEP-2012 08:17

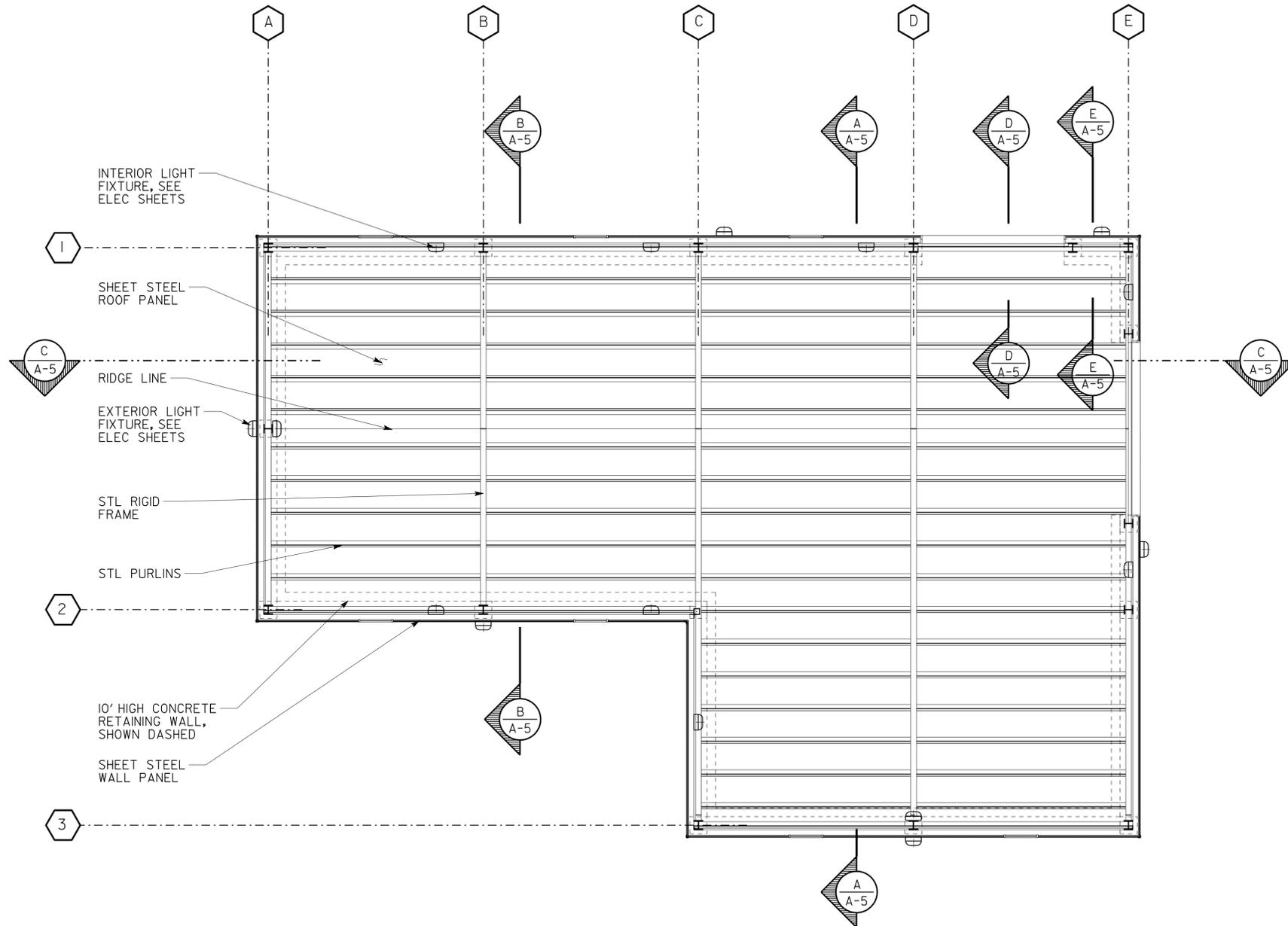
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		19	41

*Frank Thomas*  
 LICENSED ARCHITECT      7-27-11 DATE

LICENSED ARCHITECT  
 FRANK THOMAS  
 No. C-31406  
 Exp. 4-30-13  
 STATE OF CALIFORNIA

9-24-12  
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Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 10-10-11	Reviewed by: <i>Polly Parenti</i> POLLY PARENTI Approval date: 08-22-11



**REFLECTED CEILING PLAN**  
 SCALE 1/8" = 1'-0"

DESIGN	BY F THOMAS	CHECKED <i>Ray Wong</i>
DETAILS	BY J KWONG	CHECKED <i>Ray Wong</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.	5755	<b>FRAZIER SAND-SALT SHED</b> REFLECTED CEILING PLAN	SHEET	A-3
POST MILE			OF	9

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA

PROJECT ID  
**0700020019**

Reviewed by: *[Signature]*  
Y. A. WANG  
Date: 10-10-11

CALIFORNIA STATE FIRE MARSHAL  
APPROVED

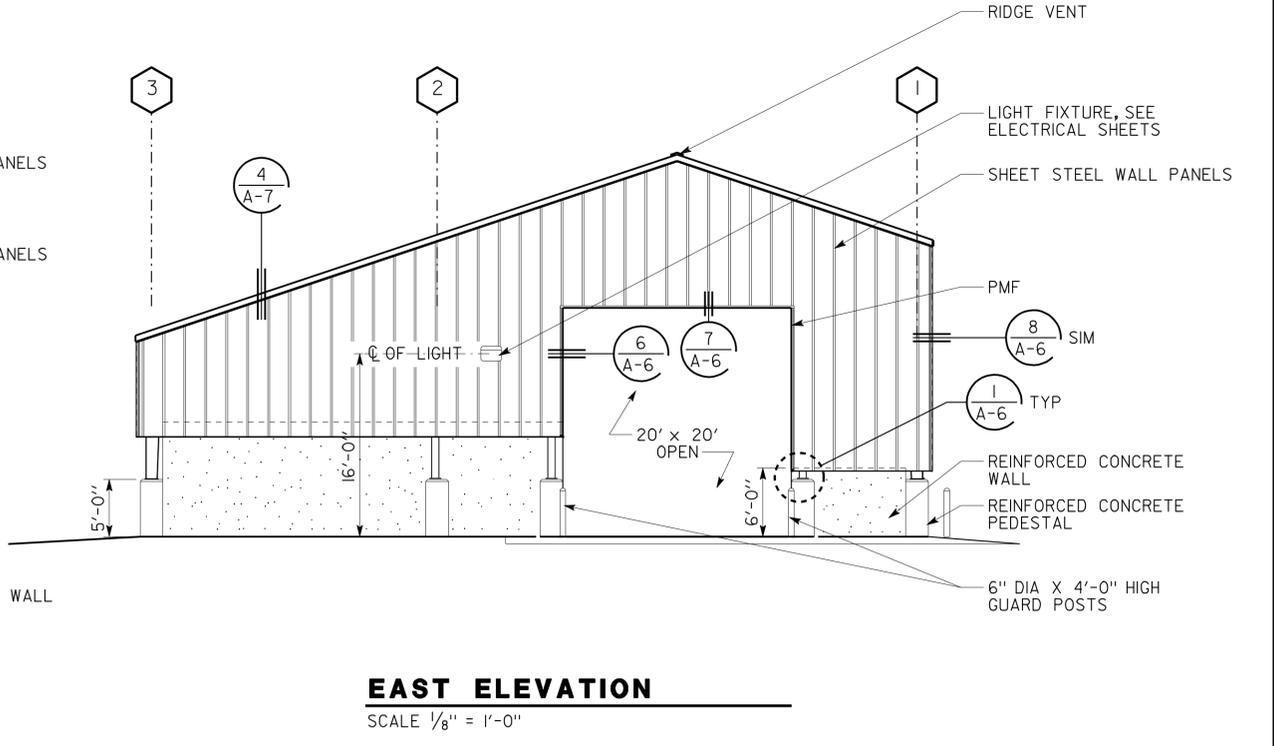
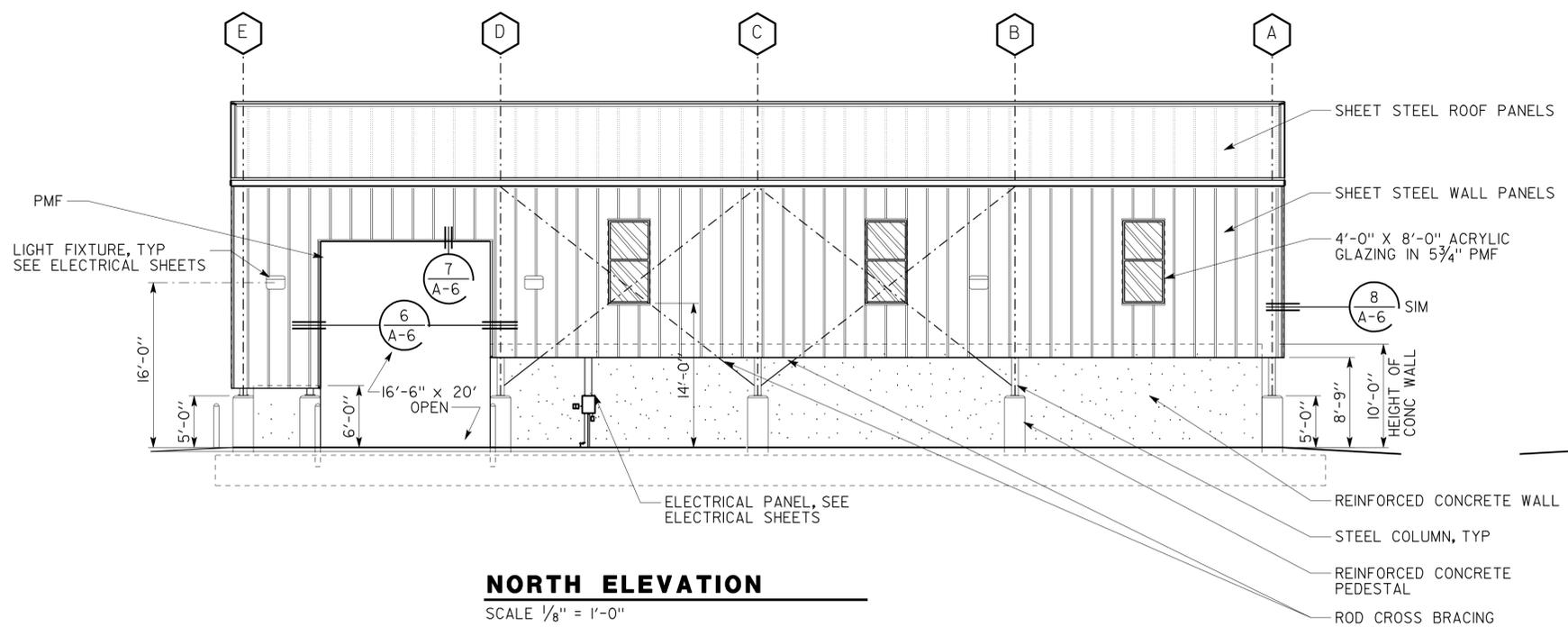
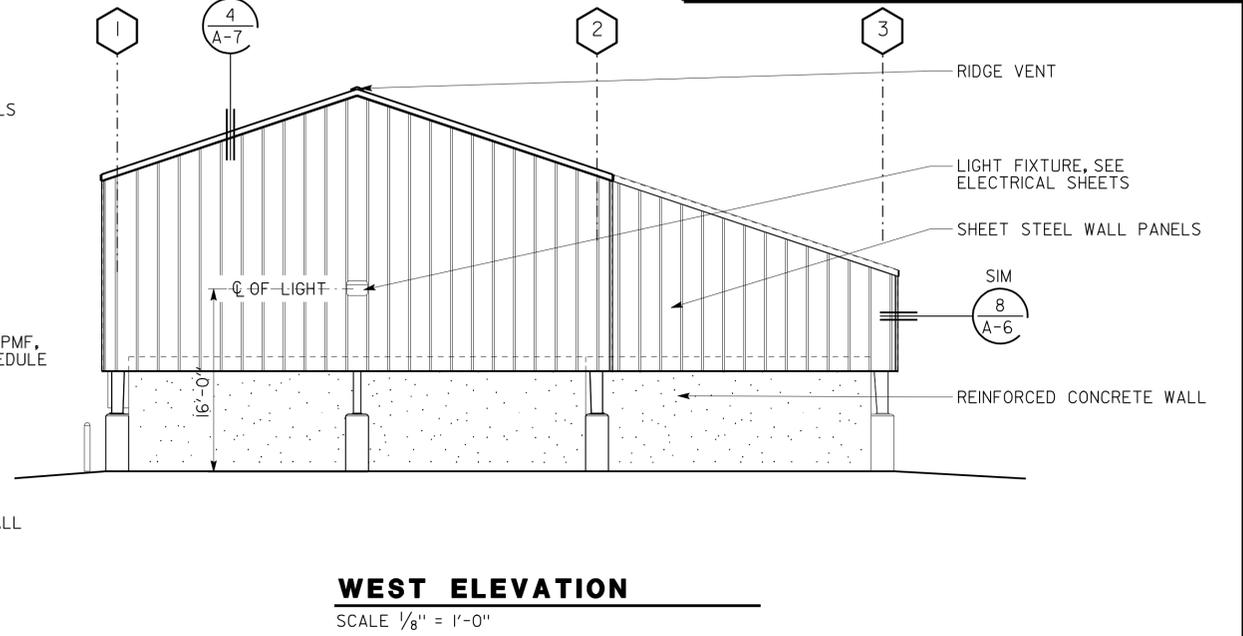
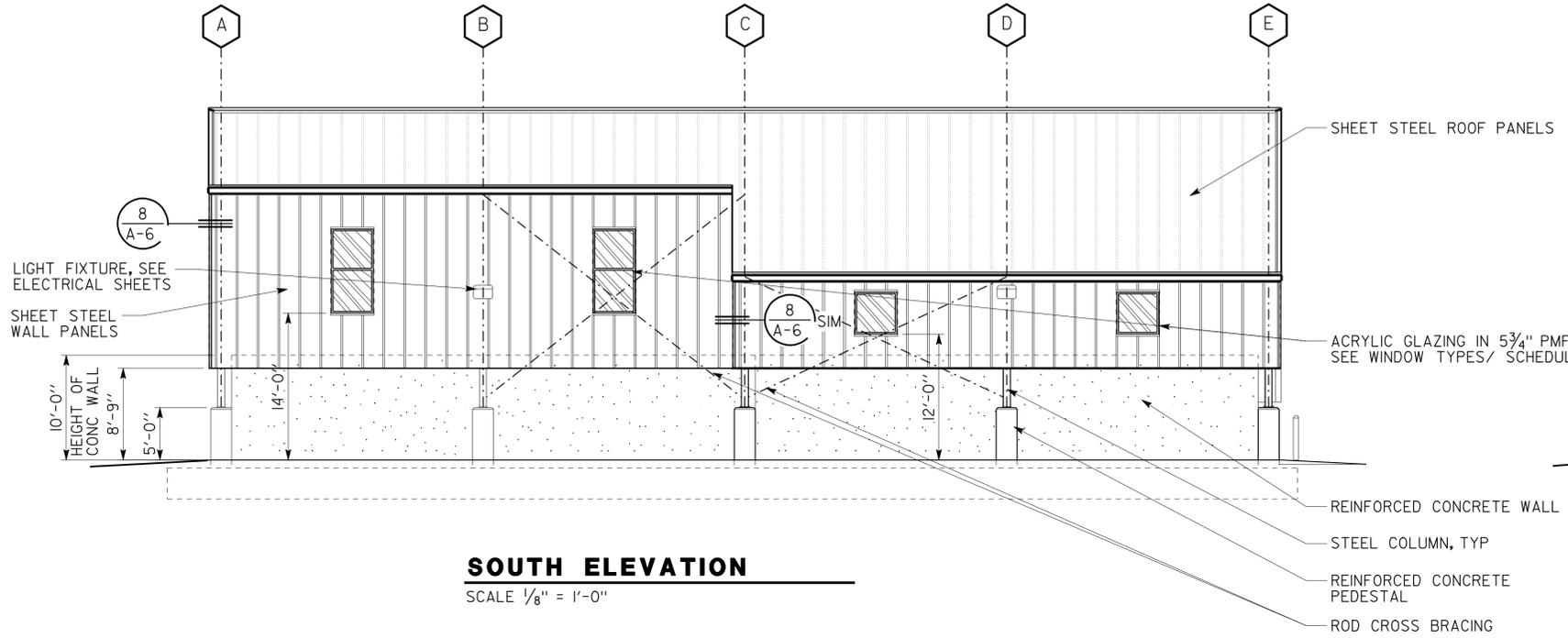
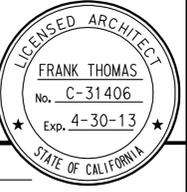
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*  
POLLY PARENTI  
Approval date: 08-22-11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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9-24-12  
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DESIGN	BY F THOMAS	CHECKED <i>[Signature]</i>
DETAILS	BY J KWONG	CHECKED <i>[Signature]</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.  
5755  
POST MILE

**FRAZIER SAND-SALT SHED**  
EXTERIOR ELEVATIONS

SHEET  
**A-4**

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		21	41

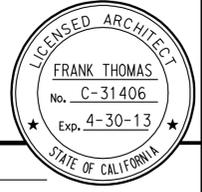
  

<i>Frank Thomas</i>		7-27-11
LICENSED ARCHITECT	DATE	

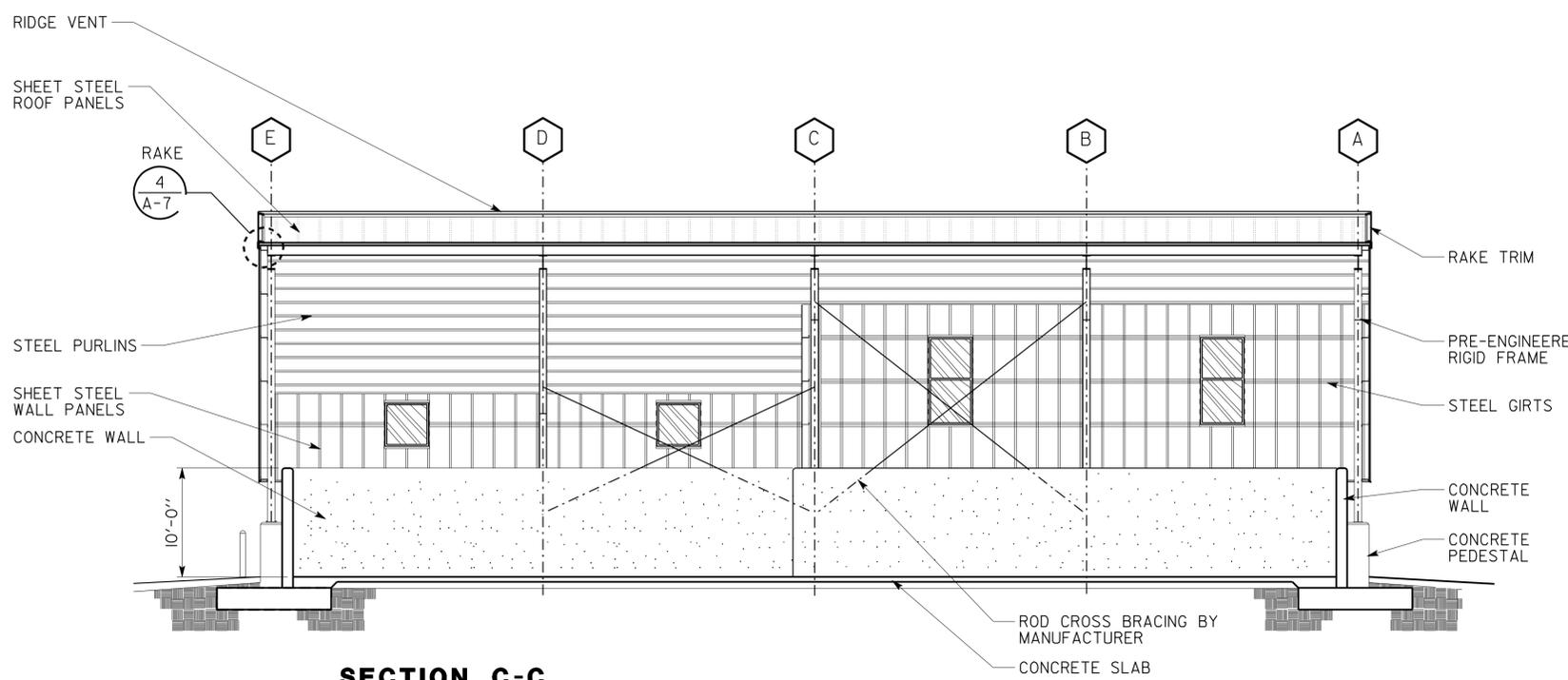
  

9-24-12	
PLANS APPROVAL DATE	

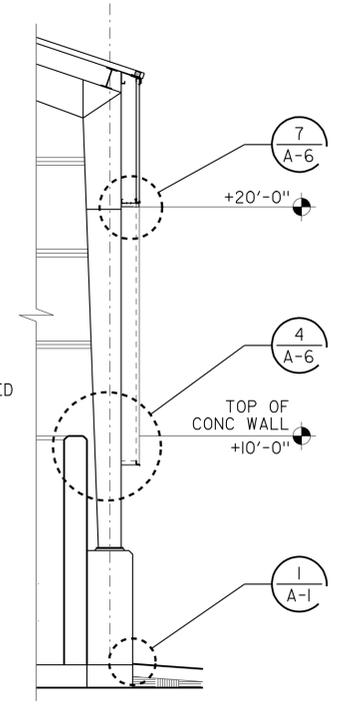
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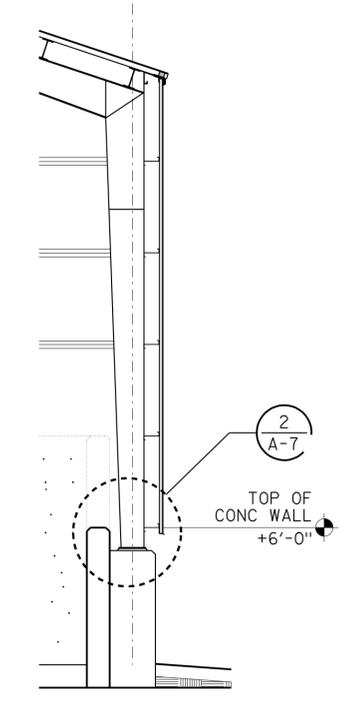
<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b>
PROJECT ID <b>0700020019</b>	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 10-10-11	Reviewed by: <i>Polly Parenti</i> POLLY PARENTI Approval date: 08-22-11



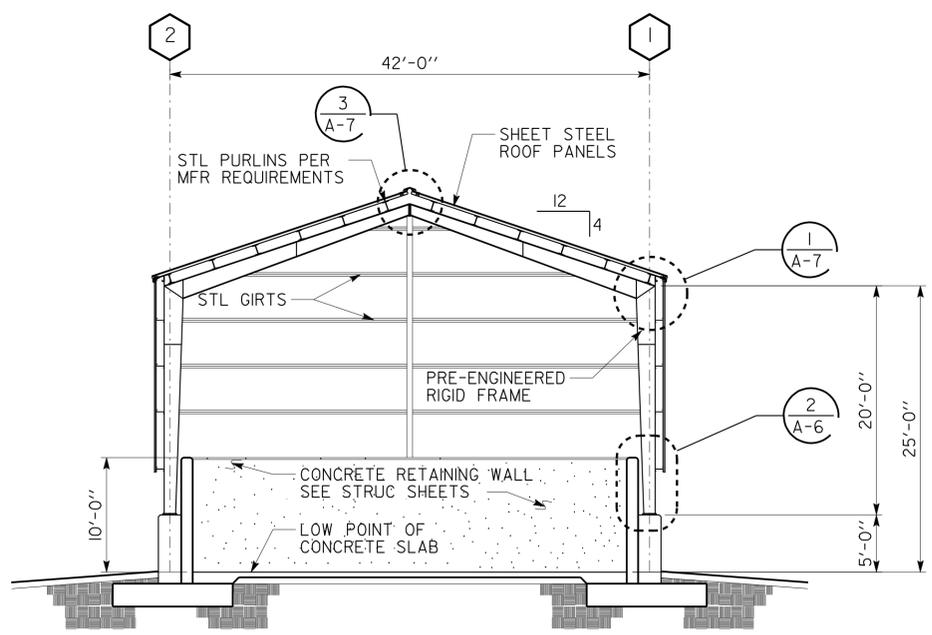
**SECTION C-C**  
SCALE 1/8" = 1'-0"



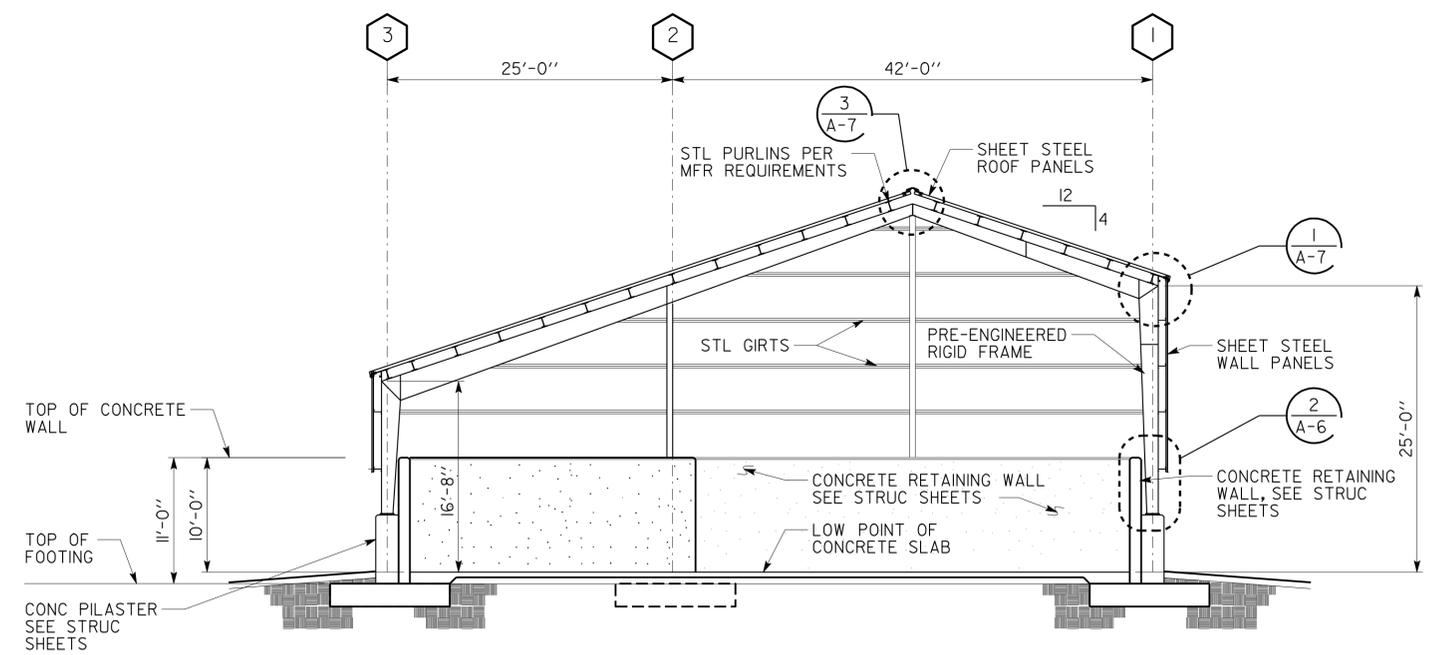
**SECTION D-D**  
SCALE 1/4" = 1'-0"



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



**SECTION B-B**  
SCALE 1/8" = 1'-0"



**SECTION A-A**  
SCALE 1/8" = 1'-0"

a_05_sections.dgn TAEMW Imperlal Rev. 7/10 26-SEP-2012 08:51	DESIGN BY F THOMAS	CHECKED <i>Ray Wong</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 5755	FRAZIER SAND-SALT SHED	SHEET OF
	DETAILS BY J KWONG	CHECKED <i>Ray Wong</i>		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		SECTIONS
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 07000200191 EA 4T3501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3			07-27-11 11-14-11	7 9

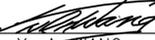
26-SEP-2012 08:51

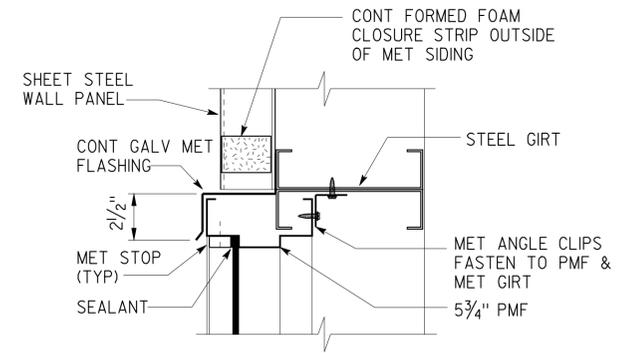
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		22	41

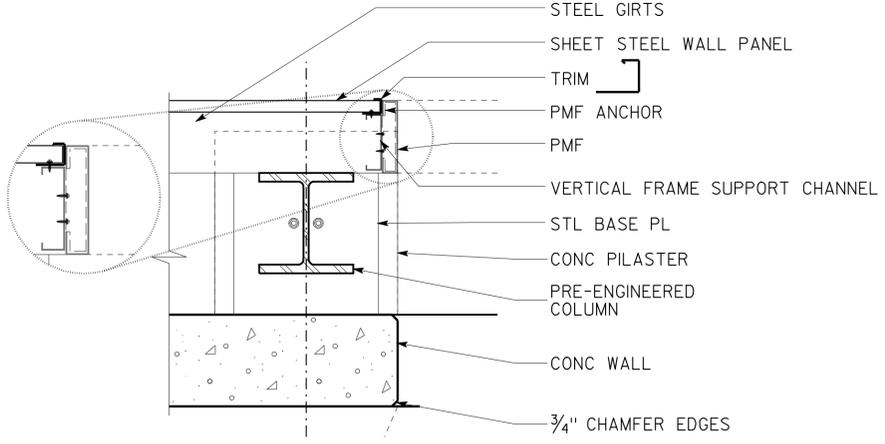
 LICENSED ARCHITECT		DATE 7-27-11
9-24-12 PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.		

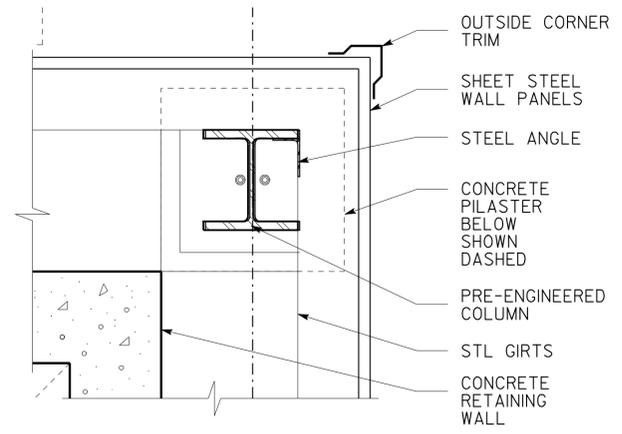
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID <b>0700020019</b>	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Y. A. WANG Date: 10-10-11	Reviewed by:  POLLY PARENTI Approval date: 08-22-11



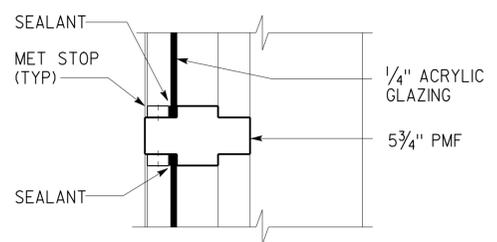
**9 WINDOW HEAD**  
NOT TO SCALE



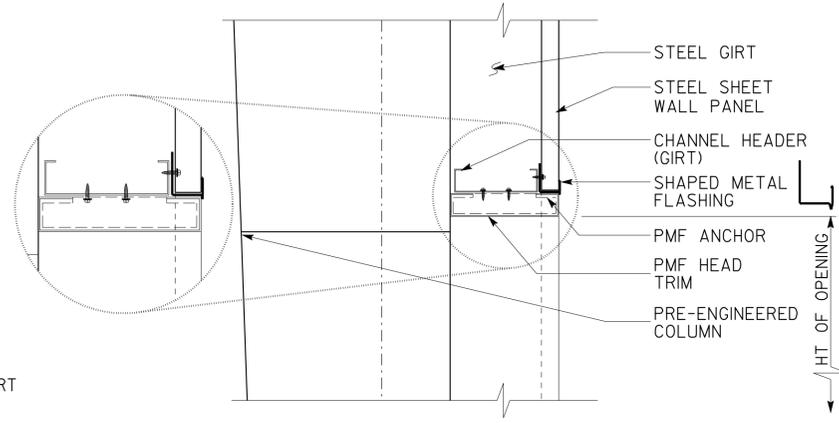
**6 JAMB AT OPENING**  
SCALE 1" = 1'-0"



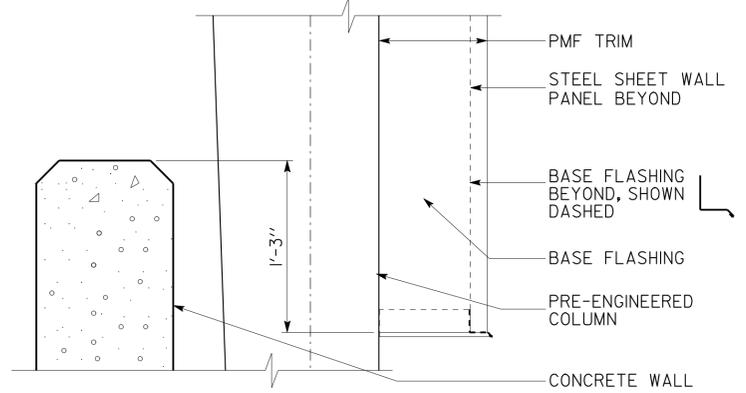
**3 CORNER DETAIL**  
SCALE 1" = 1'-0"



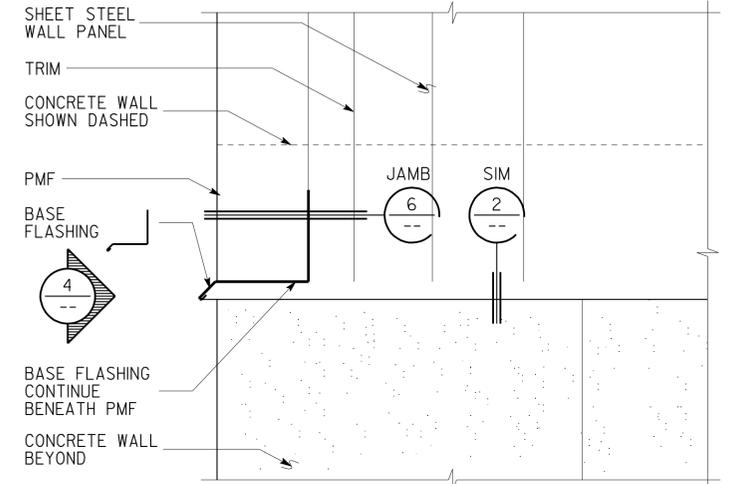
**10 WINDOW MULLION**  
NOT TO SCALE



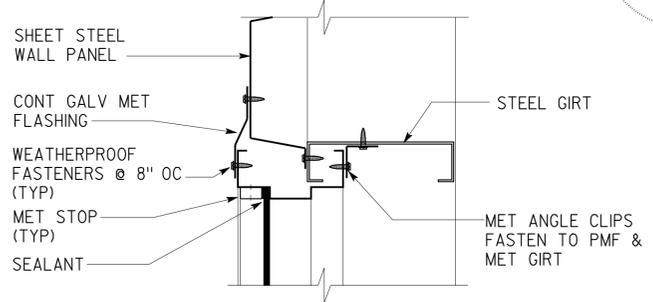
**7 HEAD AT OPENING**  
SCALE 1 1/2" = 1'-0"



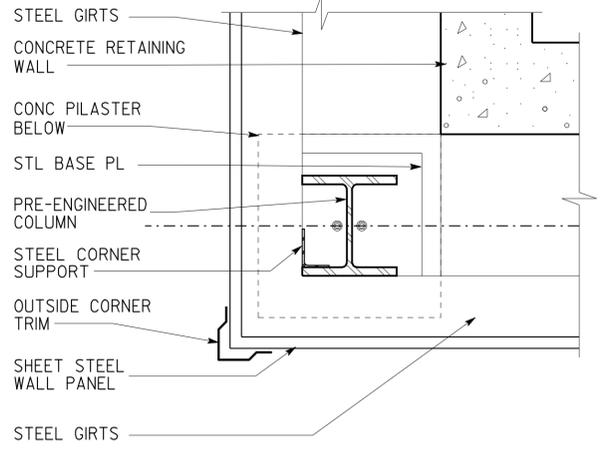
**4 PANEL BASE FLASHING**  
SCALE 1 1/2" = 1'-0"



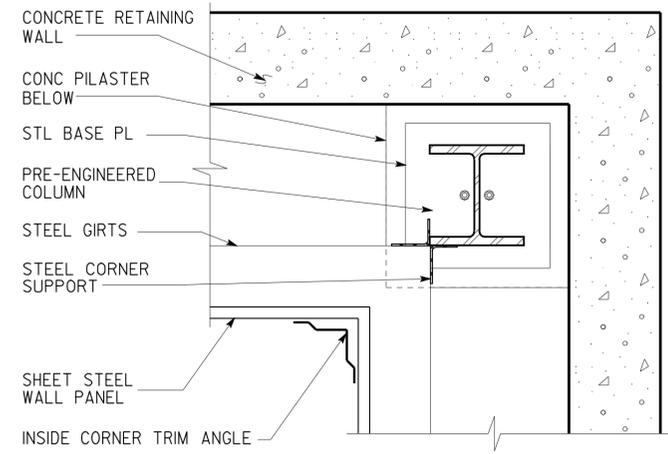
**1 PANEL BASE FLASHING**  
SCALE 6" = 1'-0"



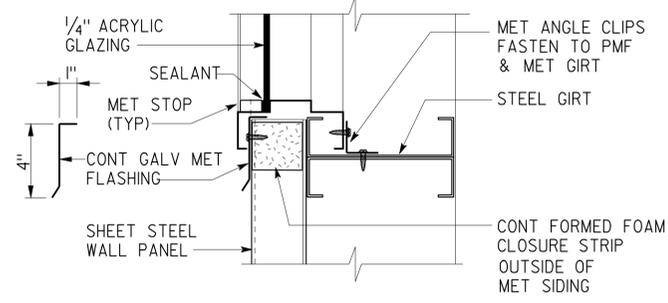
**11 WINDOW JAMB**  
NOT TO SCALE



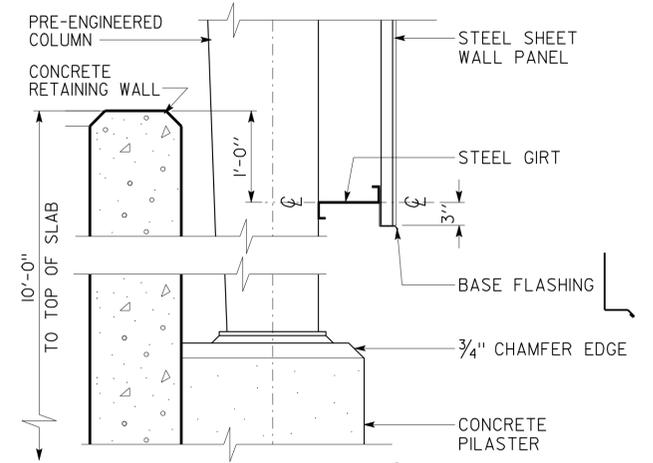
**8 CORNER DETAIL**  
SCALE 1" = 1'-0"



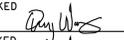
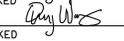
**5 INSIDE CORNER DETAIL**  
SCALE 1 1/2" = 1'-0"



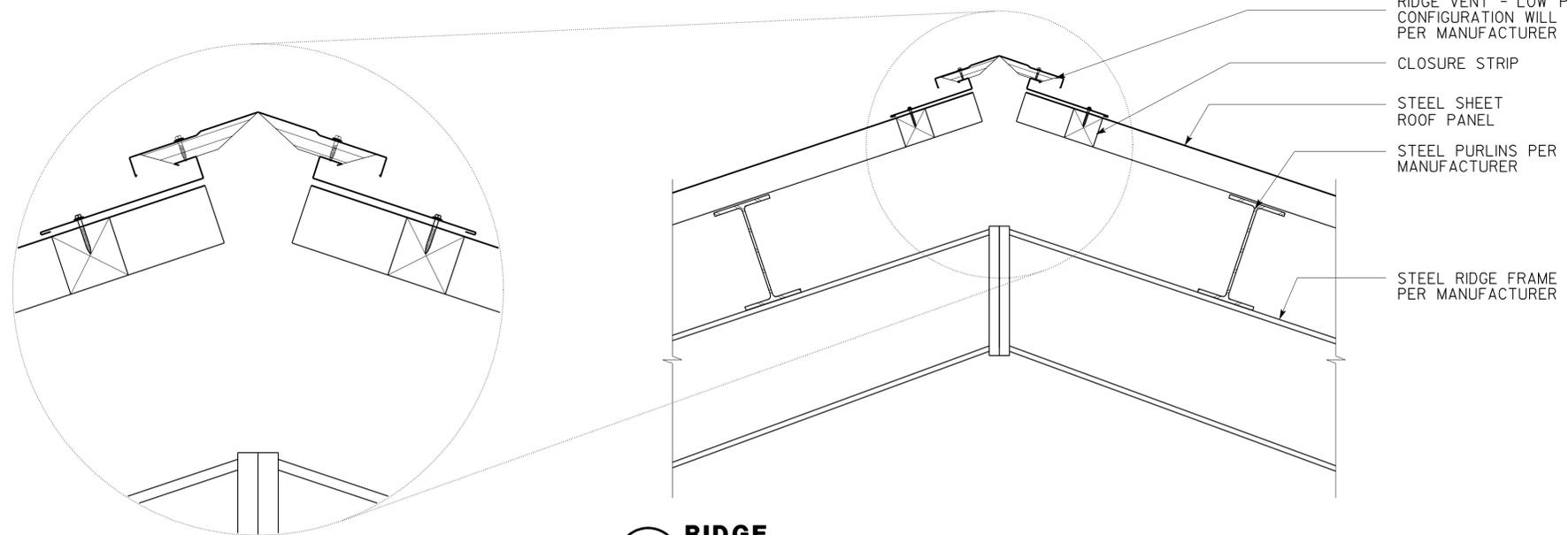
**12 WINDOW SILL**  
NOT TO SCALE



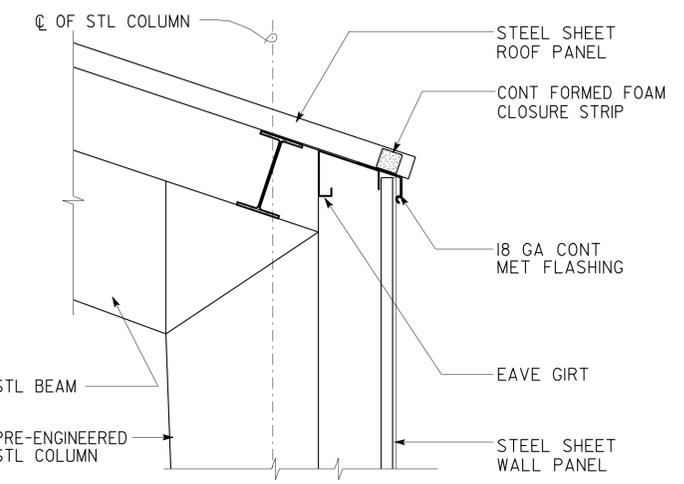
**2 PILASTER AT 10' WALL**  
SCALE 1" = 1'-0"

a_06_details.dgn TAEMWW Imper1al Rev. 7/10 26-SEP-2012 08:48	DESIGN BY F THOMAS	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5755 POST MILE	FRAZIER SAND-SALT SHED DETAILS	SHEET A-6
	DETAILS BY J KWONG	CHECKED 		UNIT PROJECT NUMBER & PHASE 3598 0700020019	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 07-27-11 11-14-11
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3			EA 4T3501	

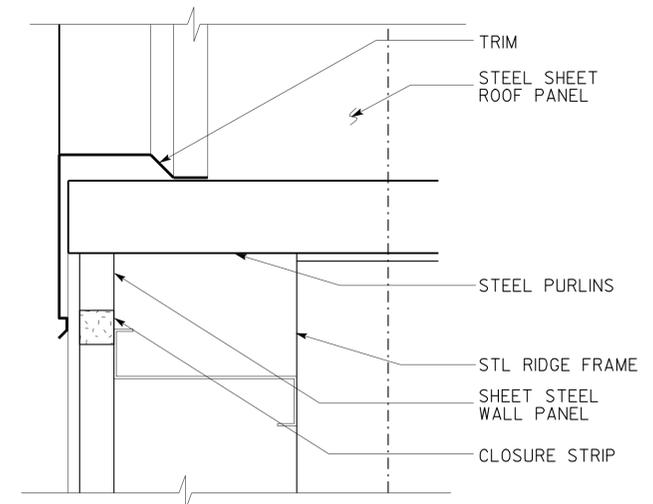
26-SEP-2012 08:48



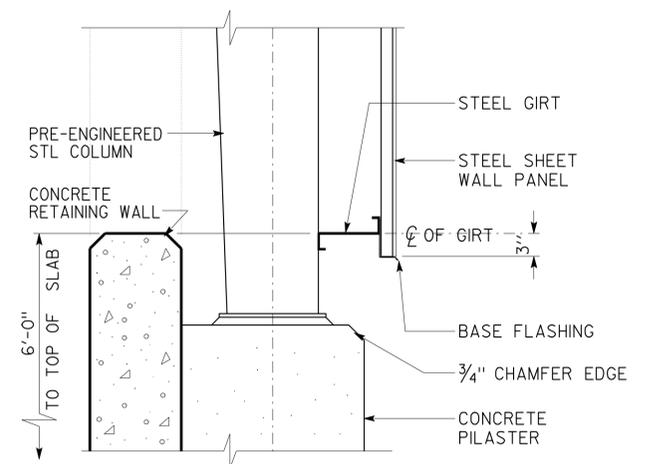
**3 RIDGE**  
SCALE 1/2" = 1'-0"



**1 EAVE DETAIL**  
SCALE 1" = 1'-0"



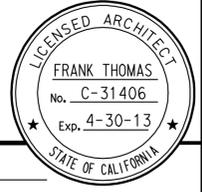
**4 RAKE DETAIL**  
SCALE 1" = 1'-0"



**2 PILASTER AT 6' WALL**  
SCALE 1" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		23	41

7-27-11 DATE  
 9-24-12 PLANS APPROVAL DATE  
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<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA PROJECT ID <b>0700020019</b> Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 10-10-11	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>Polly Parenti</i> POLLY PARENTI Approval date: 08-22-11
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		24	41

*Thomas F. Reich*  
 REGISTERED CIVIL ENGINEER  
 DATE 10-10-11

Tom R. Mesich  
 No. 46748  
 Exp. 6-30-13  
 CIVIL  
 STATE OF CALIFORNIA

9-24-12  
 PLANS APPROVAL DATE

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**ABBREVIATIONS**

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

**SYMBOLS**

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

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

FILE NO. XS-25-0	DESIGN BY <i>Sean Samal</i>	CHECKED <i>George E. Rowe</i>	APPROVED <i>R.E. Travis</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 5755	FRAZIER SAND-SALT SHED	SHEET ST-1
DRAWING DATE 1-04	DETAILS BY <i>George E. Rowe</i>	CHECKED <i>Sean Samal</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	LEGEND	
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3599 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 1-16-04	SHEET OF	

26-SEP-2012 08:48 st00\_01.dgn



**PROJECT DESIGN CRITERIA**

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

**DETAIL NOTES**

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		26	41

*Thomas Reich* 10-10-11  
 REGISTERED CIVIL ENGINEER DATE

Tom R. Mesich  
 No. 46748  
 Exp. 6-30-13  
 CIVIL  
 STATE OF CALIFORNIA

9-24-12  
PLANS APPROVAL DATE

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**LOADS**

**SEISMIC:** Occupancy Category = I  
 Importance Factor I = 1.0  
 Site Soil Class = D  
 $S_S = 2.237$        $S_{DS} = 1.491$   
 $S_I = 0.831$        $S_{DI} = 0.831$   
 Seismic Design Category = E

**Seismic Force-Resisting System:**

North - South  
 Ordinary steel moment frames.  
 $R = 3.5$      $C_S = .426$

East - West  
 Ordinary steel concentrically braced frames.  
 $R = 3.25$      $C_S = 0.459$

**WIND:** Basic Wind Speed = 85 mph      I = 0.87  
 $K_{zt} = 1.0$   
 Partially Enclosed

**LIVE LOAD:** Roof = 20 psf

**SNOW LOAD:**  $C_e = .9$      $C_t = 1.2$     I = .8  
 $P_g = 20$  psf  
 $P_f = 12$  psf

- For Standard Concrete details see: "Concrete Standard" sheet.
- All bolts shall be hex head machine bolts, with hex head nuts, unless otherwise noted.
- All lock washers shall be helical spring lock washers.

**MATERIALS**

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

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

**COLD FORMED STEEL:** shall be       $F_y = 50$  ksi

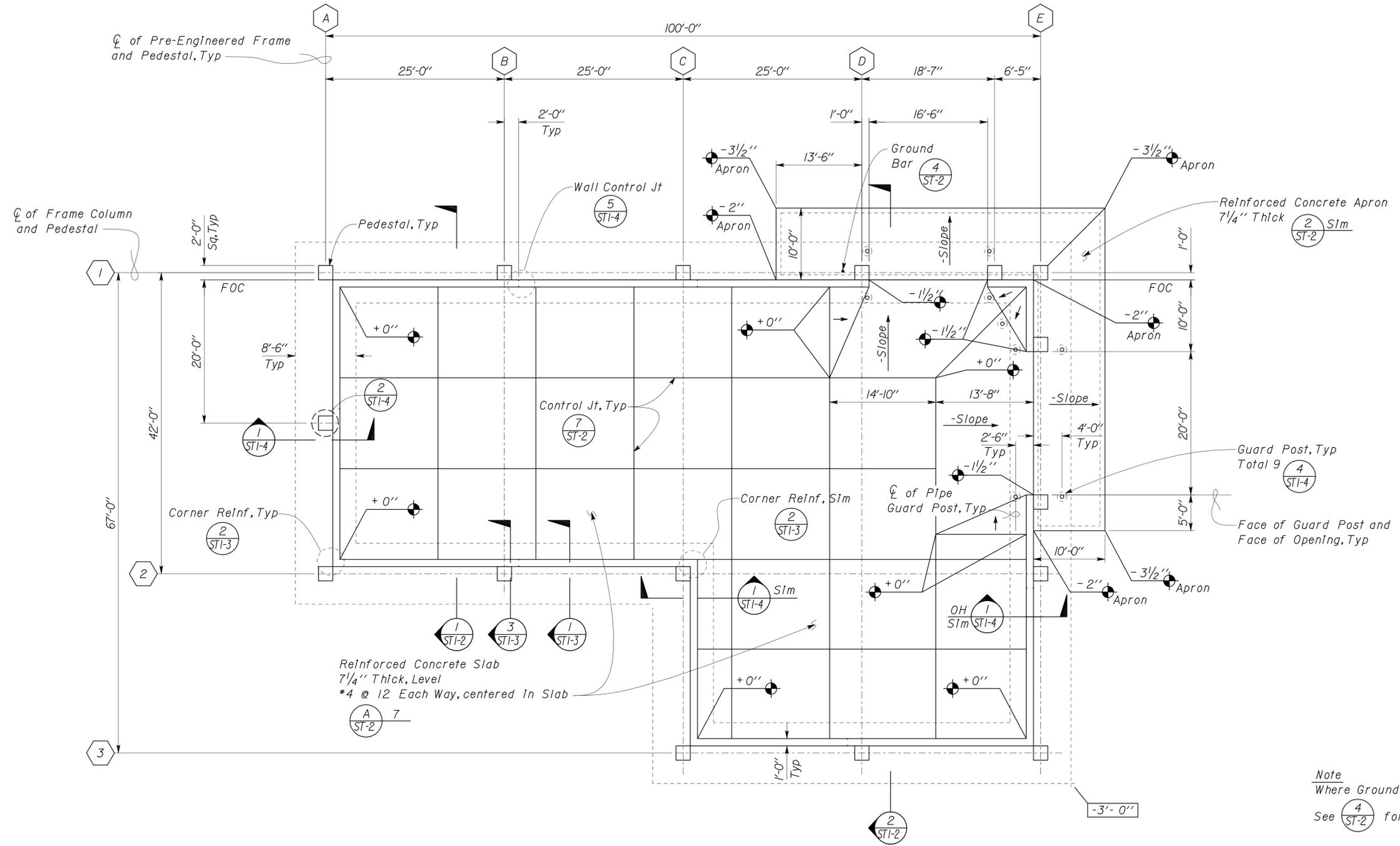
**FOUNDATION:**  
 Soils report dated : Apr 18, 2011  
 Allowable Soil Pressure (DL + LL) : = 2,000 psf

For Soil Classification, see Log of Test Borling Sheets.

**A PRE-ENGINEERED BUILDING DESIGN NOTES**

- Rigid Frames shall be provided at lines **A** through **E**
- Concentrically Braced Frames shall be provided at Line **I** between **B** and **C**  
 and between **C** and **D**  
 and Line **2** between **B** and **C**  
 and Line **3** between **C** and **D**
- For Design Loads, see PROJECT DESIGN CRITERIA
- Deflection Limits : Story drift = H/120  
 Framing Members = L/180  
 Roof and Wall Panels = L/180
- Maximum Roof Purlin spacing shall be 5'-0" OC.
- Provide Framing for all Wall and Roof Penetrations.
- Girts shall be the Exterior Type.
- Anchor bolts shown are minimum. Contractor shall follow building manufacturer requirements.
- The building design shall not transmit moment into the footings.
- Provide Ridge Vent. See Architectural sheets.
- The rigid frame support anchor bolts shall be embedded into the footing a minimum of 20 bolt diameters.

DESIGN BY <i>Tom Mesich</i> CHECKED <i>Sean Samuel</i> DETAILS BY <i>David Good</i> CHECKED <i>Tom Mesich</i> QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5755 POST MILE	<b>FRAZIER SAND-SALT SHED</b> DESIGN CRITERIA AND DETAIL NOTES	SHEET <b>ST1-0</b>	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 09-14-09 04-05-11 06-20-11	SHEET OF	TAEWW Imperial Rev. 7/10 D:\User\Projects\Dist_07\0700020019_frazier_sand_shed\Expedite\st01_00.dgn	



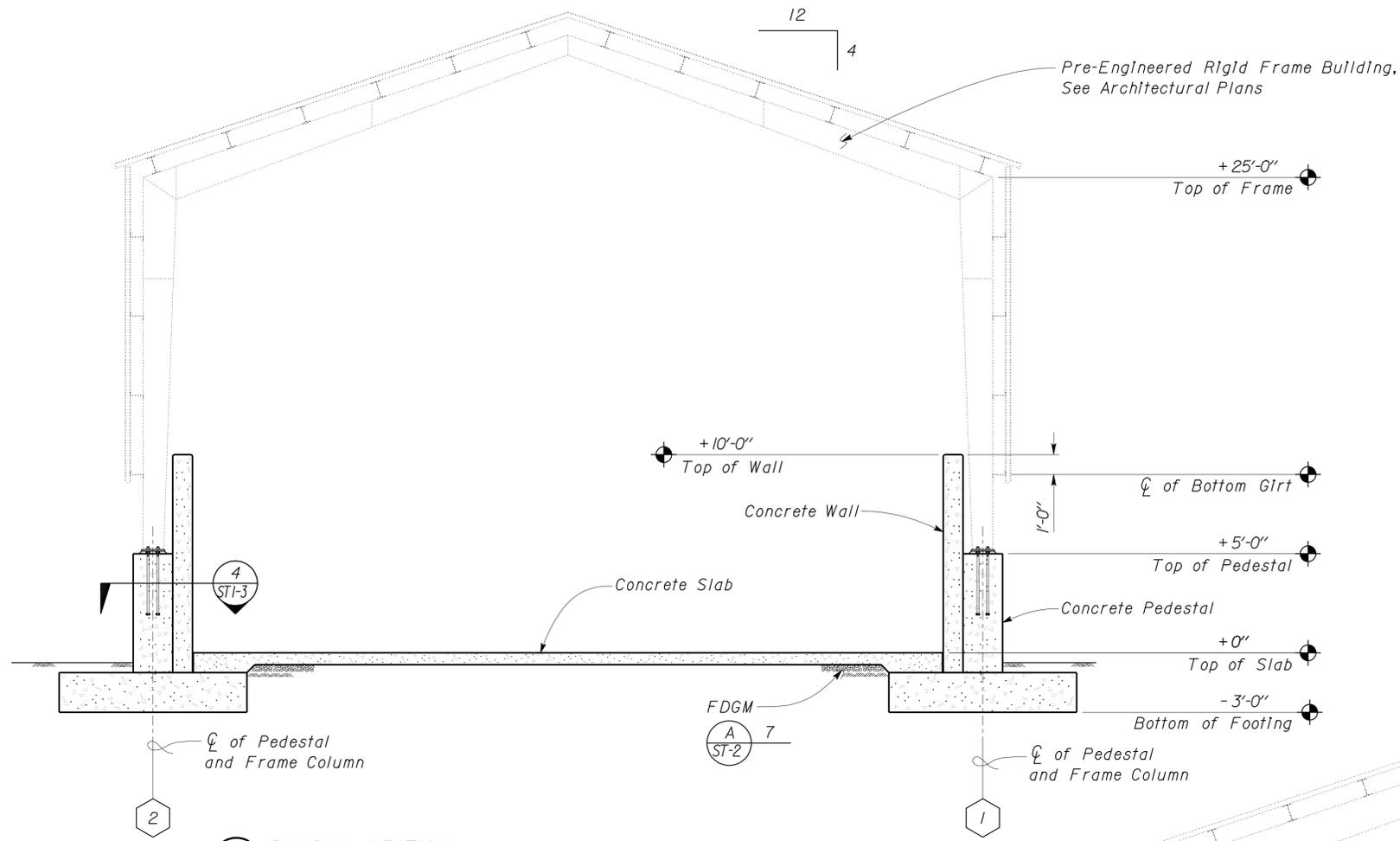
Note  
Where Ground Bar occurs, see Electrical Plans for exact location.  
See  $\frac{4}{ST-2}$  for Detail.

**1 FOUNDATION PLAN**  
Scale  $\frac{1}{8}'' = 1' - 0''$   
Datum 0'-0" = Elevation 3682.0'

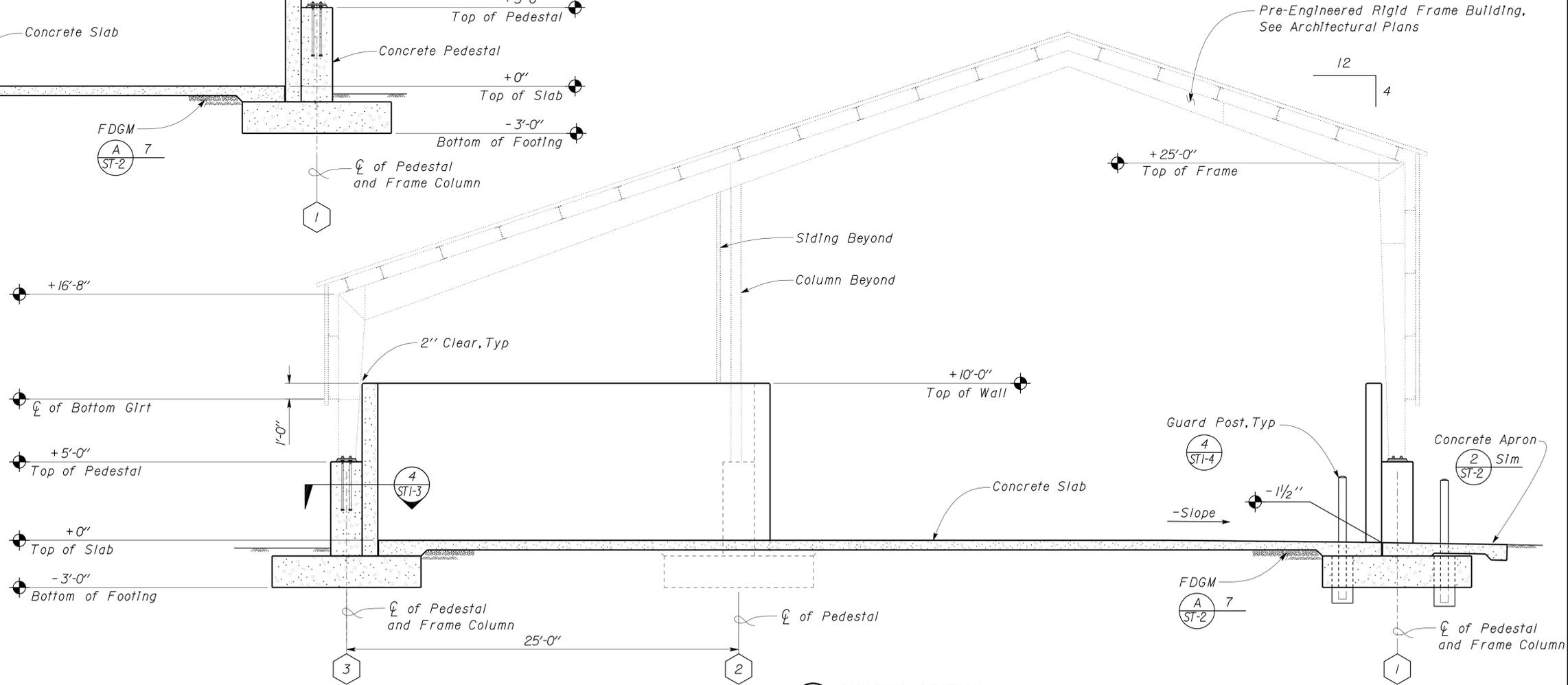
DESIGN BY <i>Tom Mesich</i>	CHECKED <i>Sean Samuel</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	5755	FRAZIER SAND-SALT SHED	SHEET ST1-1
				POST MILE			
DETAILS BY <i>David Good</i>	CHECKED <i>Tom Mesich</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3599 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	0 1 2 3	EA 4T3501			01-20-11 04-04-11 06-07-11 06-08-11 06-13-11 06-14-11 06-15-11 06-20-11	

26-SEP-2012 08:49

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		28	41
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			10-10-11 DATE	REGISTERED PROFESSIONAL ENGINEER Tom R. Mesich No. 46748 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA	
9-24-12 PLANS APPROVAL DATE					
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**1 BUILDING SECTION**  
Scale 1/4" = 1' - 0"



**2 BUILDING SECTION**  
Scale 1/4" = 1' - 0"

DESIGN	BY Tom Mesich	CHECKED Sean Samuel
DETAILS	BY David Good	CHECKED Tom Mesich
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 5755  
POST MILE

**FRAZIER SAND-SALT SHED**  
BUILDING SECTIONS

SHEET **ST1-2**

TAEMWW Imperial Rev. 7/10

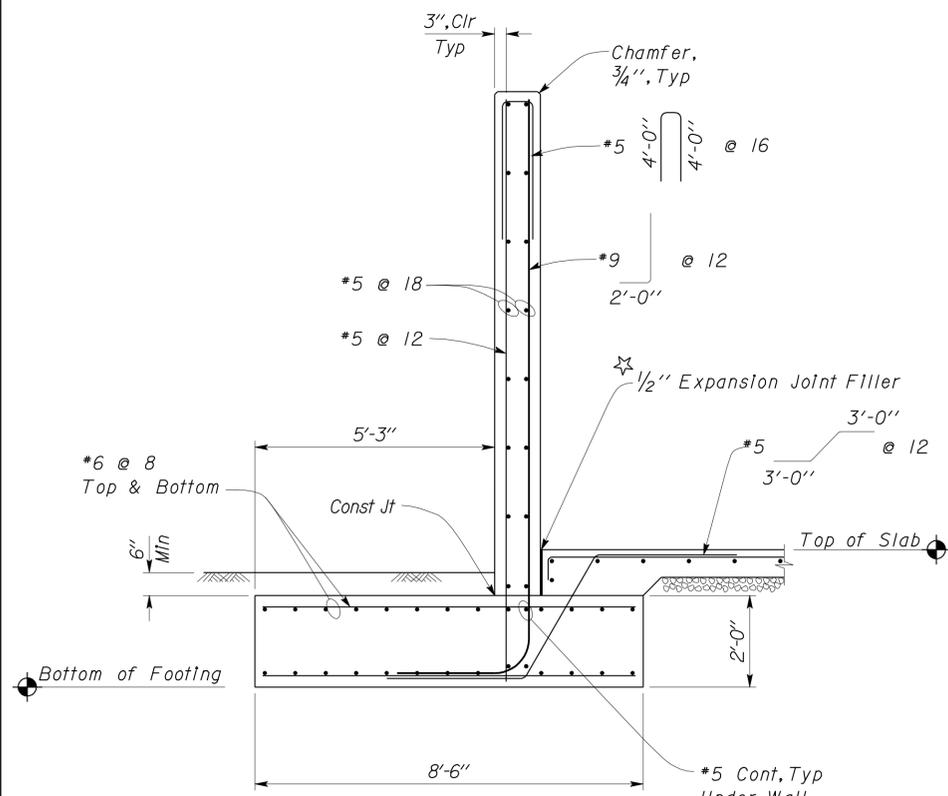
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE 3599 07000200191  
EA 4T3501

DISREGARD PRINTS BEARING EARLIER REVISION DATES

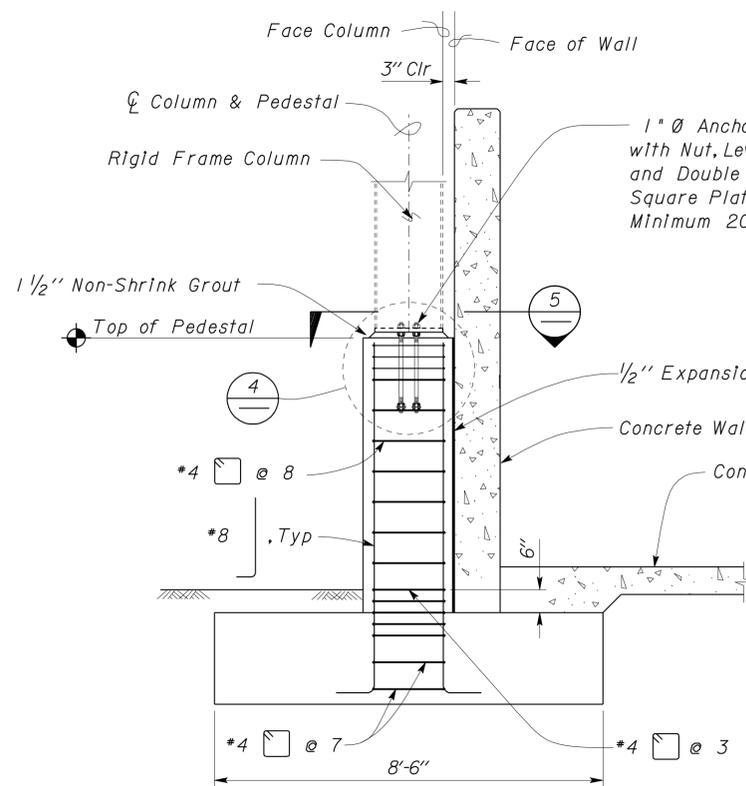
REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
01-28-11 04-04-11 06-07-11 06-08-11 06-14-11 06-20-11 10-12-11	28 41

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		29	41
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			10-10-11 DATE	REGISTERED PROFESSIONAL ENGINEER Tom R. Mesich No. 46748 Exp 6-30-13 CIVIL STATE OF CALIFORNIA	
9-24-12 PLANS APPROVAL DATE					
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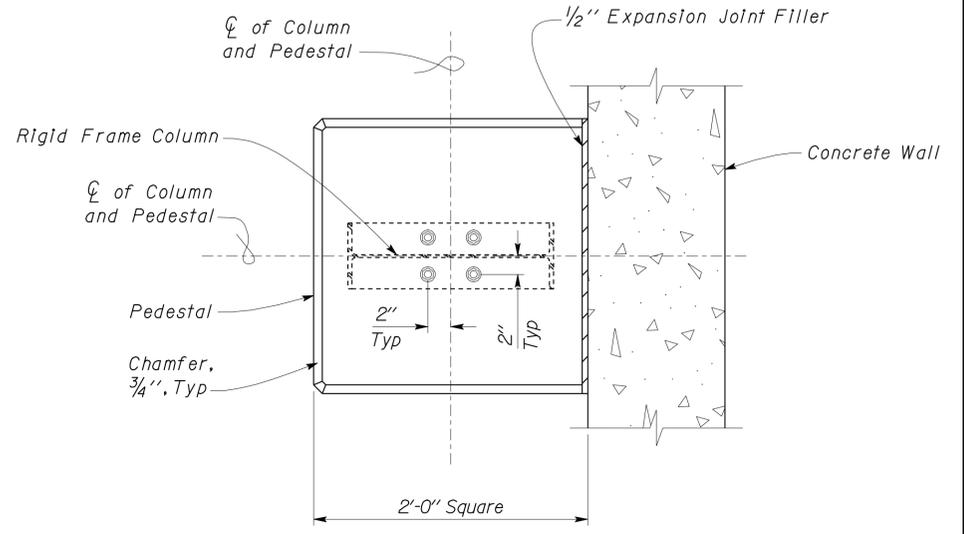
Note  
Expansion Joint Filler shall be placed between Concrete Slab and Concrete Walls at all locations

1 CONCRETE WALL SECTION  
Scale 1/2" = 1'-0"

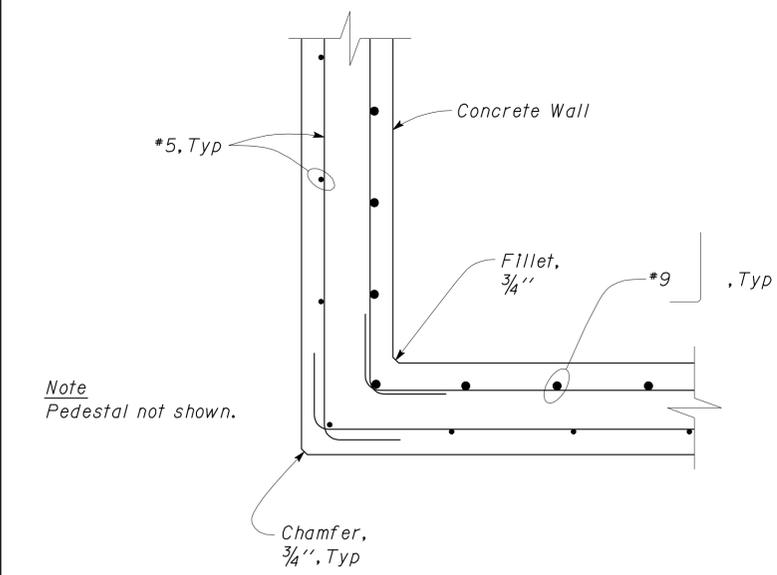


Note  
1. For Dimensions and Reinforcement not shown see 1

3 PEDESTAL SECTION  
Scale 1/2" = 1'-0"

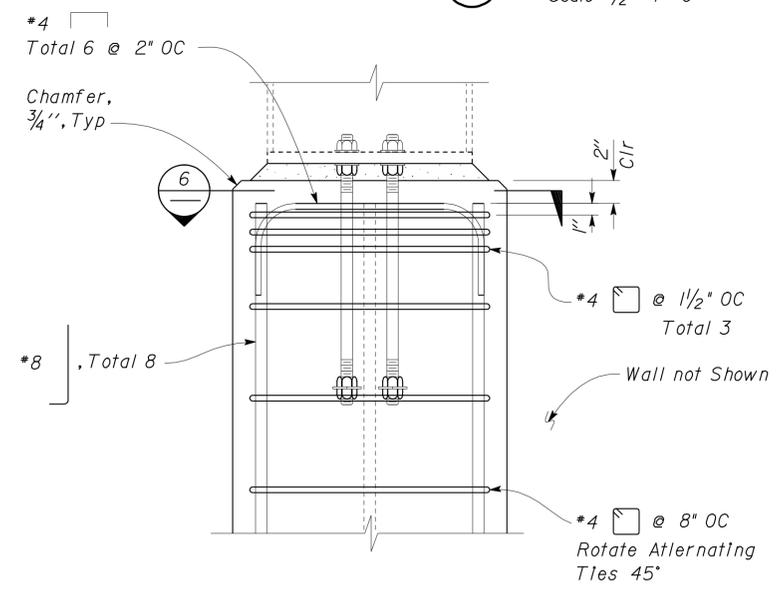


5 PEDESTAL PLAN  
Scale 1/2" = 1'-0"

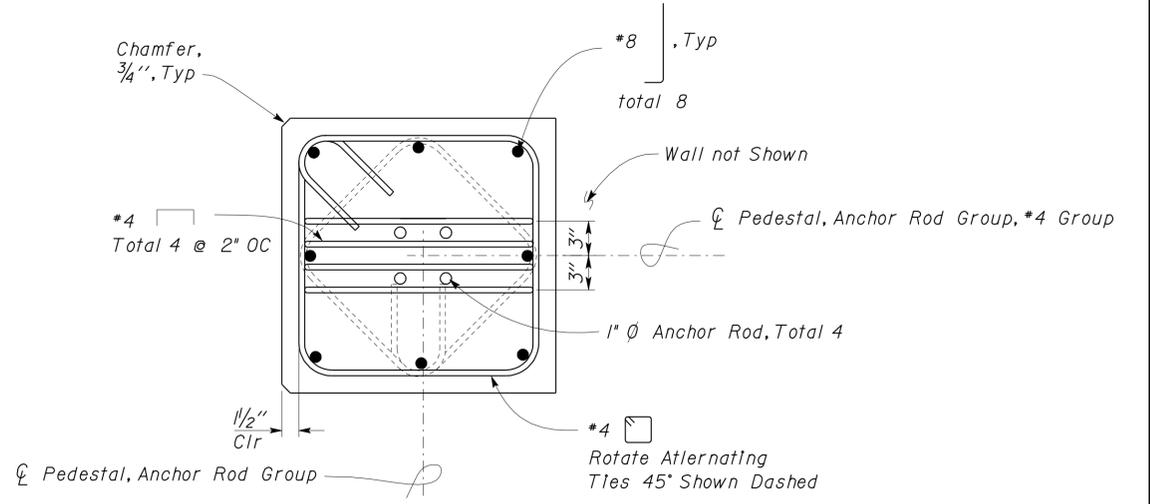


Note  
Pedestal not shown.

2 CONCRETE WALL CORNER SECTION  
Scale 1" = 1'-0"



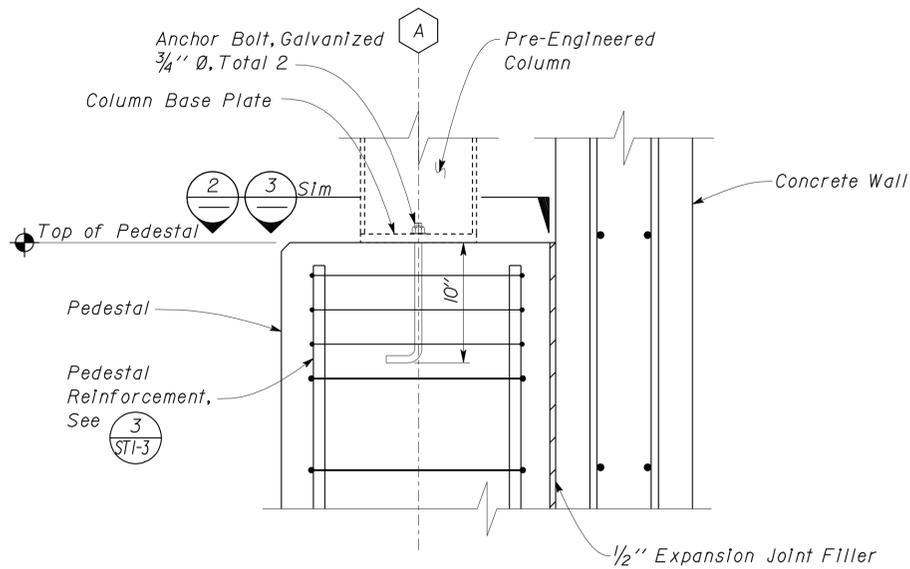
4 PEDESTAL REINFORCEMENT ELEVATION  
Scale 1/2" = 1'-0"



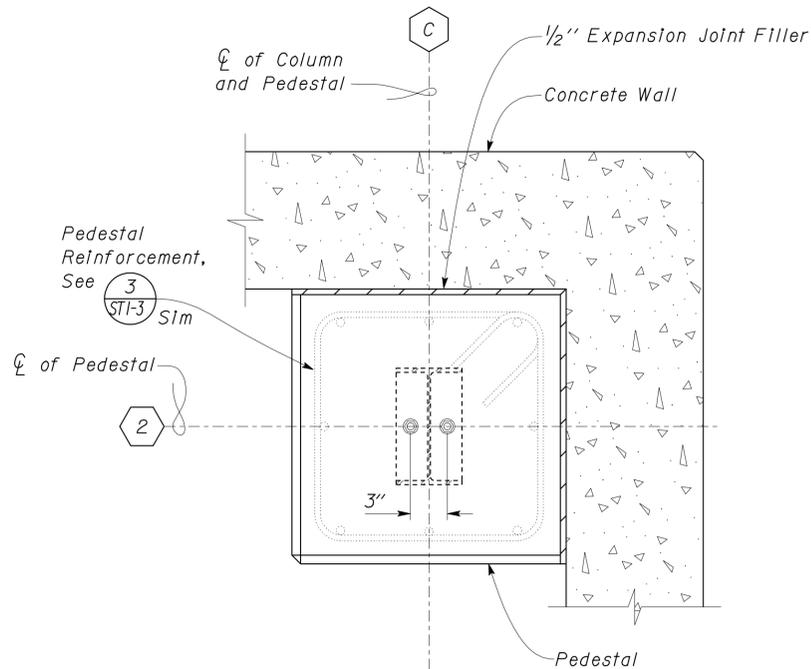
6 PEDESTAL REINFORCEMENT PLAN  
Scale 1/2" = 1'-0"

DESIGN BY <i>Tom Mesich</i>	CHECKED <i>Sean Samuel</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 5755	FRAZIER SAND-SALT SHED FOUNDATION AND PEDESTAL DETAILS	SHEET ST1-3	
DETAILS BY <i>David Good</i>	CHECKED <i>Tom Mesich</i>		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)	OF
QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3599 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES		01-28-11 04-04-11 06-08-11 10-12-11	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 4T3501	D:\User\Projects\Dist_07\07000200191_frazier_sand_shed\Expedite\st01_03.dgn				

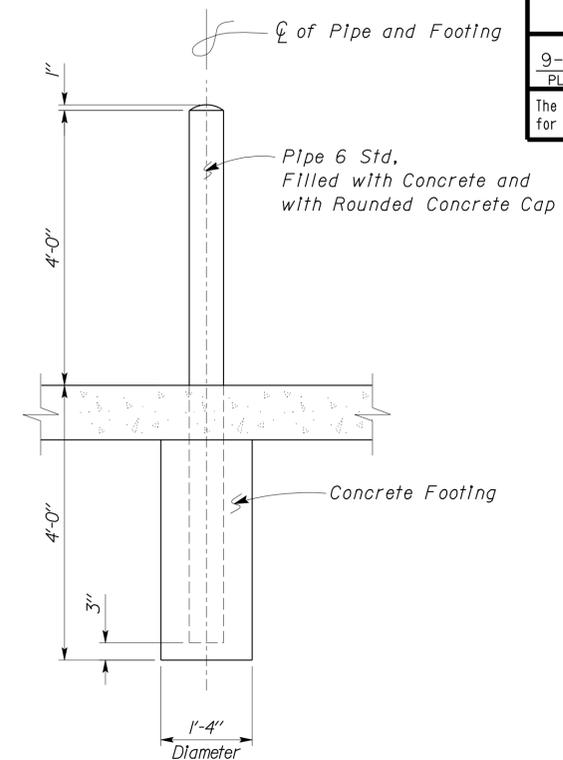
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		30	41
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			10-10-11 DATE	REGISTERED PROFESSIONAL ENGINEER Tom R. Mesich No. 46748 Exp 6-30-13 CIVIL STATE OF CALIFORNIA	
9-24-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



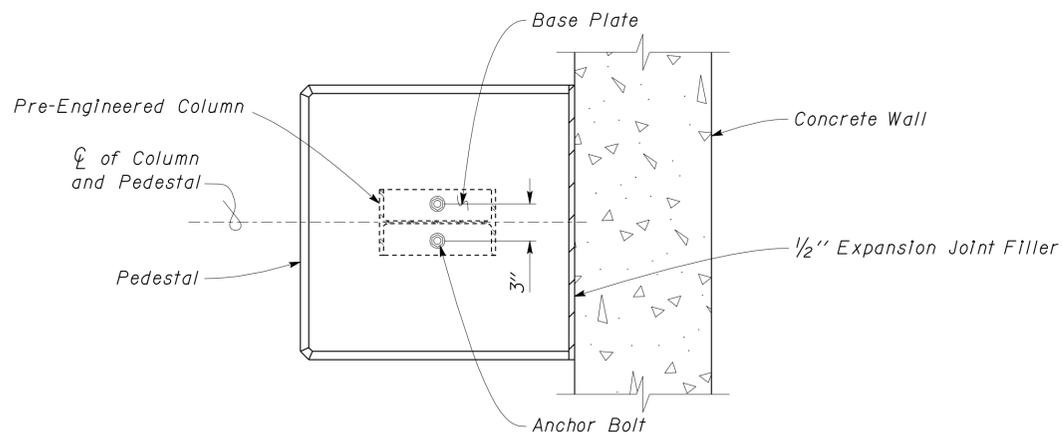
**1** END WALL COLUMN CONNECTION  
Scale 1 1/2" = 1' - 0"



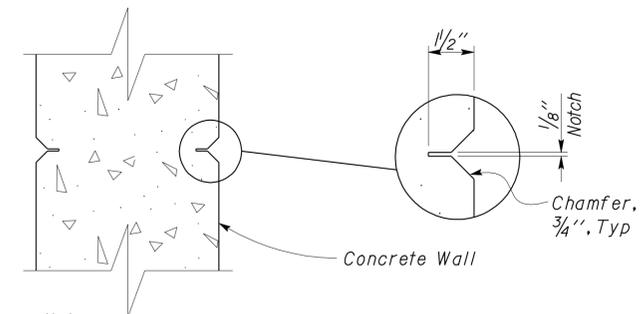
**3** CORNER COLUMN PLAN  
Scale 1 1/2" = 1' - 0"



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



**2** END WALL COLUMN PLAN  
Scale 1 1/2" = 1' - 0"



**5** WALL CONTROL JOINT DETAIL  
Scale 2" = 1' - 0"

Note  
Control Joints Occur on Interior and Exterior Face of Concrete Wall.

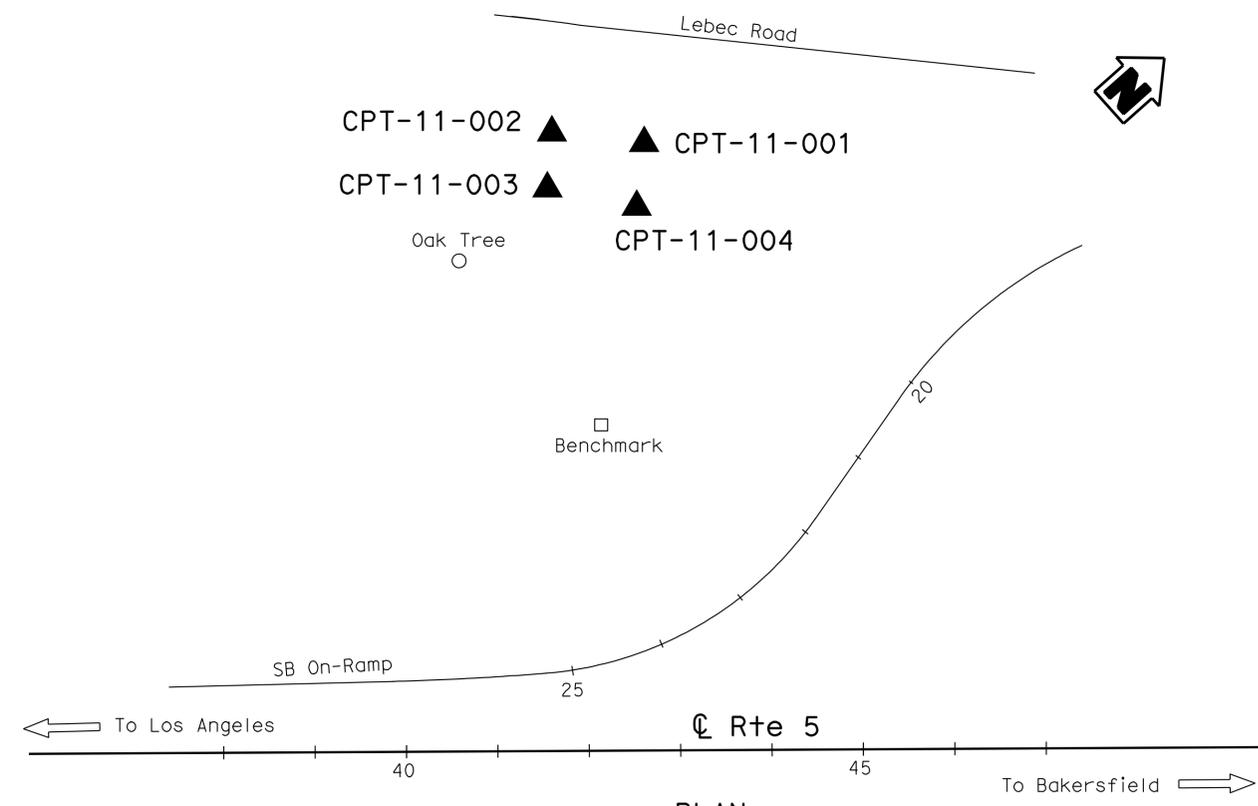
DESIGN	BY	Tom Mesich	CHECKED	Sean Samuel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	5755	FRAZIER SAND-SALT SHED	SHEET	ST1-4
	DETAILS	BY	David Good	CHECKED			Tom Mesich	POST MILE			MISCELLANEOUS DETAILS
QUANTITIES	BY		CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3599 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	01-28-11 04-04-11 06-08-11 10-12-11
TAEMWW Imperial Rev. 7/10 EA 4T3501 D:\User\Projects\Dist_07\0700020019_frazier_sand_shed\Expedite\st01_04.dgn											

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		31	41
			REGISTERED/CIVIL ENGINEER DATE		
			6-2-11		
			REGISTERED PROFESSIONAL ENGINEER		
			9-24-12		
			PLANS APPROVAL DATE		
			Carolyn Zhen-Ru		
			No. C77307		
			Exp. 6-30-13		
			CIVIL		
<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>					

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

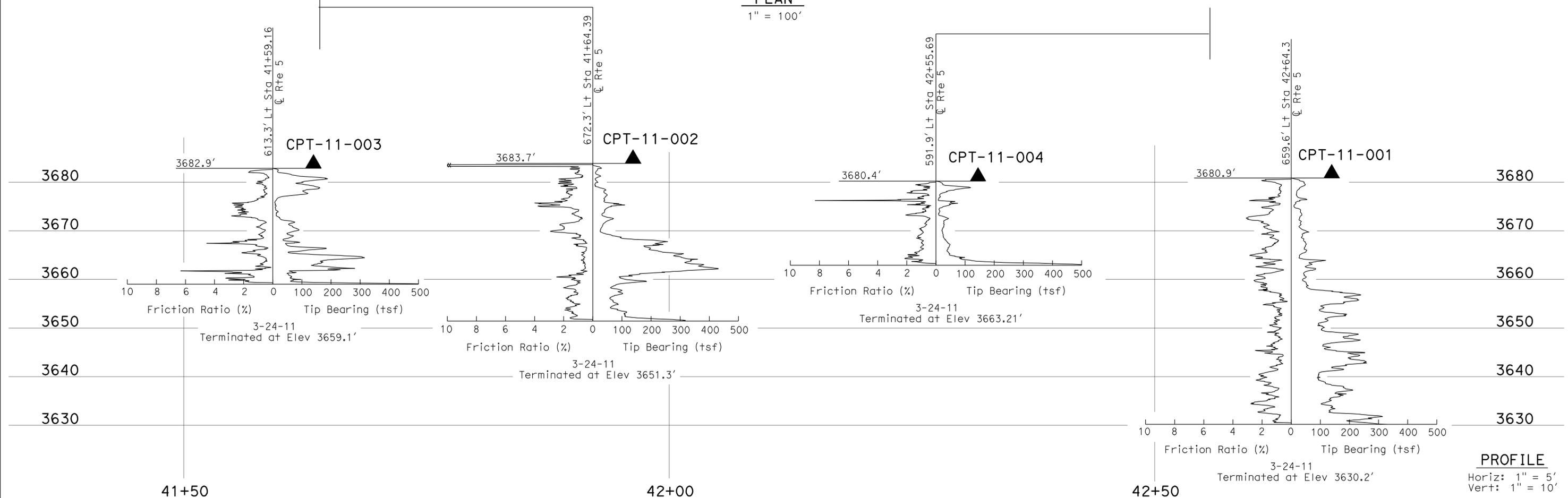
**BENCH MARK**

KCS601  
 2" IP filled w/ concrete & tag stamped  
 352.4' Lt "Rte 5" Line Sta 42+17.55  
 Elev 3679.7'  
 Vert Datum NAVD 88



**PLAN**  
1" = 100'

Note: Ground water was not encountered during field investigation.



**PROFILE**  
 Horiz: 1" = 5'  
 Vert: 1" = 10'

<b>ENGINEERING SERVICES</b>		<b>GEOTECHNICAL SERVICES</b>		<b>STATE OF CALIFORNIA</b>		<b>DIVISION OF ENGINEERING SERVICES</b>		<b>FRAZIER SAND-SALT SHED</b>	
FUNCTIONAL SUPERVISOR		DRAWN BY: W. Tang 5/11		DEPARTMENT OF TRANSPORTATION		BRIDGE No. 5755		LOG OF TEST BORINGS 1 OF 3	
NAME: Q. Huang		CHECKED BY: B. Barnes		FIELD INVESTIGATION BY: C. Zhen-Ru		POST MILE			
065 CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643		PROJECT NUMBER & PHASE: 0700020019 1		CONTRACT NO.: 07-4T3501	
				DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET OF	
						05-24-11 05-27-11		X X	

USERNAME => s124496 DATE PLOTTED => 26-SEP-2012 TIME PLOTTED => 13:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		32	41

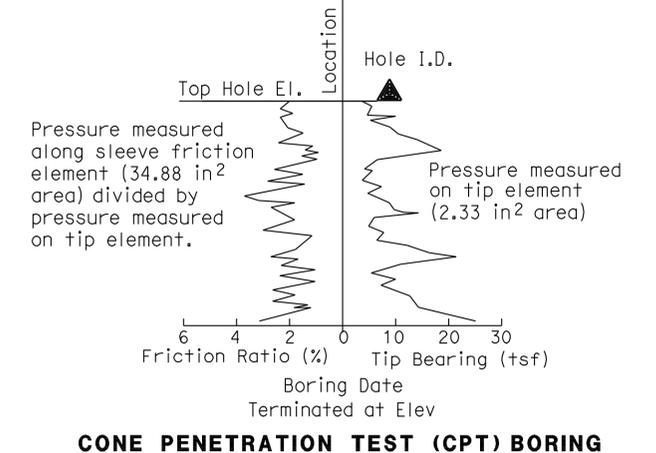
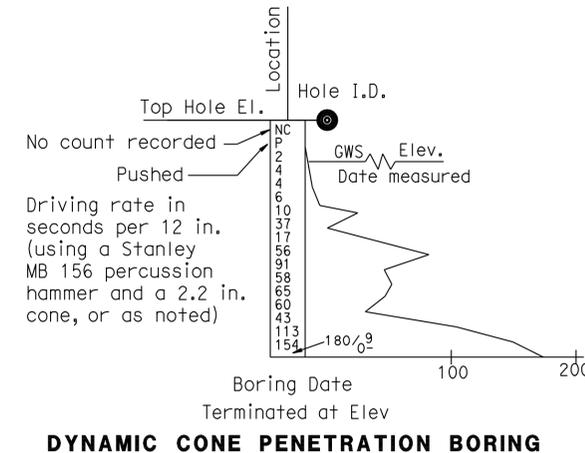
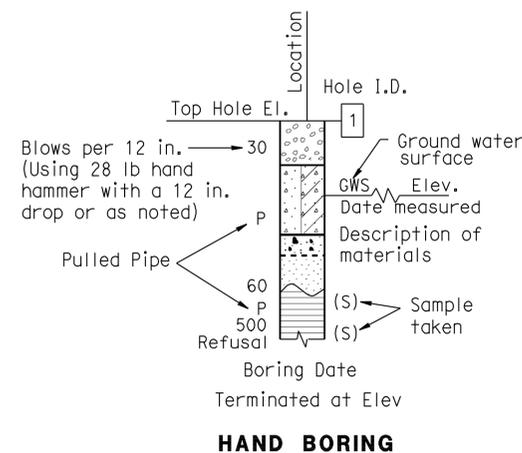
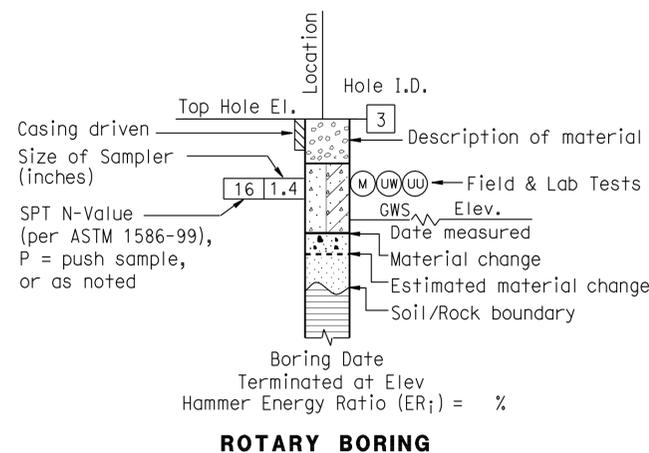
REGISTERED CIVIL ENGINEER *Carolyn Zhen-Ru* DATE 6-2-11  
 PLANS APPROVAL DATE 9-24-12  
 No. C77307  
 Exp. 6-30-13  
 CIVIL  
 STATE OF CALIFORNIA  
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CEMENTATION	
Description	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

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

Note: Size in inches.

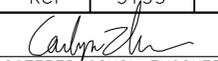
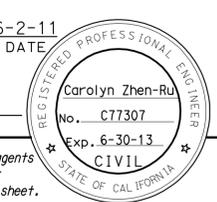
CONSISTENCY OF COHESIVE SOILS				
Description	Shear Strength (tsf)	Pocket Penetrometer Measurement, PP, (tsf)	Torvane Measurement, TV, (tsf)	Vane Shear Measurement, VS, (tsf)
Very Soft	Less than 0.12	Less than 0.25	Less than 0.12	Less than 0.12
Soft	0.12 - 0.25	0.25 - 0.5	0.12 - 0.25	0.12 - 0.25
Medium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



<b>ENGINEERING SERVICES</b>	<b>GEOTECHNICAL SERVICES</b>	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	<b>DIVISION OF ENGINEERING SERVICES</b> STRUCTURE DESIGN <b>DESIGN BRANCH X</b>	BRIDGE No. 5755 POST MILE	<b>FRAZIER SAND-SALT SHED</b> <b>LOG OF TEST BORINGS 2 OF 3</b>
	PREPARED BY: W. Tang 5/11				
GS LOTB SOIL LEGEND	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3643 PROJECT NUMBER & PHASE: 0700020019 1	CONTRACT NO.: 07-4T3501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES SHEET OF X X

FILE => sf\_Log2\_of03.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		33	41

  
 REGISTERED CIVIL ENGINEER DATE 6-2-11  
 9-24-12  
 PLANS APPROVAL DATE  
  
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GROUP SYMBOLS AND NAMES					
Graphic/Symbol	Group Names	Graphic/Symbol	Group Names	Graphic/Symbol	Group Names
	GW		CL		Lean CLAY
	GW-GM				Lean CLAY with SAND
	GP		CL		Lean CLAY with GRAVEL
	GP-GM				SANDY lean CLAY
	GW-GM		CL-ML		SILTY CLAY
	GW-GC				SILTY CLAY with GRAVEL
	GW-GC		CL-ML		SANDY SILTY CLAY
	GP-GC				SANDY SILTY CLAY with GRAVEL
	GP-GM		ML		SILT
	GP-GC				SILT with SAND
	GM		OL		ORGANIC lean CLAY
	GC				ORGANIC lean CLAY with GRAVEL
	GC		OL		SANDY ORGANIC lean CLAY
	GC-GM				SANDY ORGANIC lean CLAY with GRAVEL
	GC-GM		OL		ORGANIC SILT
	SW				ORGANIC SILT with SAND
	SW		CH		Fat CLAY
	SP				Fat CLAY with GRAVEL
	SP		MH		Elastic SILT
	SP-SM				Elastic SILT with GRAVEL
	SW-SM		MH		SANDY elastic SILT
	SW-SC				SANDY elastic SILT with GRAVEL
	SW-SC		OH		ORGANIC fat CLAY
	SP-SC				ORGANIC fat CLAY with GRAVEL
	SP-SM		OH		SANDY ORGANIC fat CLAY
	SP-SC				SANDY ORGANIC fat CLAY with GRAVEL
	SM		OH		ORGANIC elastic SILT
	SC				ORGANIC elastic SILT with GRAVEL
	SC		OH		SANDY ORGANIC elastic SILT
	SC-SM				SANDY ORGANIC elastic SILT with GRAVEL
	SC-SM		OH		GRAVELLY ORGANIC elastic SILT
	PT				GRAVELLY ORGANIC elastic SILT with SAND
	PT		OL/OH		ORGANIC SOIL
					ORGANIC SOIL with GRAVEL
			OL/OH		SANDY ORGANIC SOIL
					GRAVELLY ORGANIC SOIL
					GRAVELLY ORGANIC SOIL with SAND

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

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

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

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

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

ENGINEERING SERVICES	GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X	BRIDGE No.	FRAZIER SAND-SALT SHED
				5755	
	PREPARED BY: W. Tang 5/11			POST MILE	
GS LOTB SOIL LEGEND	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3643	PROJECT NUMBER & PHASE: 0700020019 1	CONTRACT NO.: 07-4T3501	DISREGARD PRINTS BEARING EARLIER REVISION DATES
					REVISION DATES
					SHEET OF
					X X

FILE => sf\_Log3\_of03.dgn



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

Project Name: **FRAZIER SAND-SALT SHED** Date: **05/05/2011**

Project Address: **LOCATED DIRECTLY SOUTHWEST OF SOUTHBOUND FORT TEJON REST AREA** Climate Zone: **13** Building CFA: **5630**

Unconditioned Floor Area:

**General Information**

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

Phase of Construction:  New Construction  Addition  Alteration

Method of Compliance:  Complete Building  Area Category  Tailored

**Documentation Author's Declaration Statement**

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

Name: **BEATRICE BINDU** Signature: *Beatrice Bindu*

Company: **CALTRANS** Date: **07/26/2011**

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

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-8764**

**Principal Lighting Designer's Declaration Statement**

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

Name: **BEATRICE BINDU** Signature: *Beatrice Bindu*

Company: **CALTRANS** Phone: **(916) 227-8764**

Address: **1801 30TH STREET** License #: **E 17240**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **6-30-12**

**Lighting Mandatory Measures**

Indicate location on building plans of Mandatory Measures Note Block: **EE-6**

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

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

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

LTG-2C Lighting Controls Credit Worksheet

LTG-3C Indoor Lighting Power Allowance

LTG-4C Pages 1 through 4 Tailored Method Worksheet

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

2008 Nonresidential Compliance Forms

July 2010

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

**INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST**

Project Name: **FRAZIER SAND-SALT SHED** Date: **05/05/2011**

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

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

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

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

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

A	B	C	D	E		F	G	H		
				CEC Default from NA8	According to S 130 (d or e)			Pass	Fail	
Name of Item Tag	Complete Luminaire Description (i.e., 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire 1	168	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10	1680	<input type="checkbox"/>	<input type="checkbox"/>	
	MH1	MH1-1X150 - WALL MOUNTED METAL HALIDE		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
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					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**INSTALLED WATTS PAGE TOTAL:**

Building total number of pages: **1** Installed Watts Building Total: **1680**

(Sum of all pages)

Enter into LTG-1C Page 4 of 4

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

2008 Nonresidential Compliance Forms

July 2010

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		35	41

*Beatrice Bindu*  
 REGISTERED ELECTRICAL ENGINEER No. E 17240  
 Exp. 6-30-14  
 STATE OF CALIFORNIA ELEC

11-28-11 DATE

9-24-12 PLANS APPROVAL DATE

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

**CALIFORNIA STATE FIRE MARSHAL APPROVED**

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

Reviewed by: *Polly Parenti*  
 POLLY PARENTI  
 Approval date: 08-22-11

DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 5755	FRAZIER SAND-SALT SHED	SHEET EE-1
			POST MILE		
			TITLE 24 COMPLIANCE NO. 1		
DETAILS BY <i>Kathi Andreasen</i> CHECKED <i>Beatrice Bindu</i>	UNIT PROJECT NUMBER & PHASE 3597 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 4T3501	2/24/11 7/28/11 8/24/11 9/13/11 11/28/11		



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

Project Name: **FRAZIER SAND-SALT SHED** Date: **05/05/2011**

Project Address: **LOCATED DIRECTLY SOUTHWEST OF SOUTHBOUND FORT TEJON REST AREA** Total Hardscape Illuminated Area:

**General Information**

Phase of Construction:  New Construction  Addition  Alteration

**Documentation Author's Declaration Statement**

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

Name: **BEATRICE BINDU** Signature: *Beatrice Bindu*

Company: **CALTRANS** Date: **07/26/2011**

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

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-8764**

**Principal Lighting Designer's Declaration Statement**

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

Name: **BEATRICE BINDU** Signature: *Beatrice Bindu*

Company: **CALTRANS** Phone: **(916) 227-8764**

Address: **1801 30TH STREET** License #: **E 17240**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **6-30-12**

**Principal Lighting Designer's Declaration**

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

**Outdoor Lighting Mandatory Measures**

Indicate location on building plans of Mandatory Measures Note Block: **EE-6**

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

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

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

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

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

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

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

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: **FRAZIER SAND-SALT SHED** Date: **05/05/2011**

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

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

Luminaire Schedule					Installed Watts					
A	B	C	D	E	F		G	H	I	
Name Or Item Tag	Luminaire Description See footnote below (i.e., lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire 1	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Field Inspector 2	
					Default from NA-8	According to S 130 (d or e)			Pass	Fail
MH2	MH2-1X100 WALL MOUNTED METAL HALIDE	✓	110	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7	770	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts:								<b>770</b>		

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

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

**EXEMPT LUMINAIRES** Field Inspection

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

**MANDATORY CONTROLS** Field Inspection

#	Description	Location	#	Description	Location

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

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

**Field Inspector Notes or Discrepancies:**

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		37	41

*Beatrice Bindu*  
REGISTERED ELECTRICAL ENGINEER 11-28-11 DATE

9-24-12 PLANS APPROVAL DATE

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

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.  
Reviewed by: *Polly Parenti*  
POLLY PARENTI  
Approval date: 08-22-11

DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 5755	FRAZIER SAND-SALT SHED	SHEET EE-3
			POST MILE		
			TITLE 24 COMPLIANCE NO. 3		
DETAILS BY <i>Kathi Andreasen</i> CHECKED <i>Beatrice Bindu</i>	UNIT PROJECT NUMBER & PHASE 3597 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 4T3501	7/24/11 7/27/11 8/24/11 9/23/11 11/28/11		

TAEMWW Imperial Rev. 7/10 ee\_03.dgn



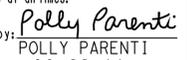
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		39	41

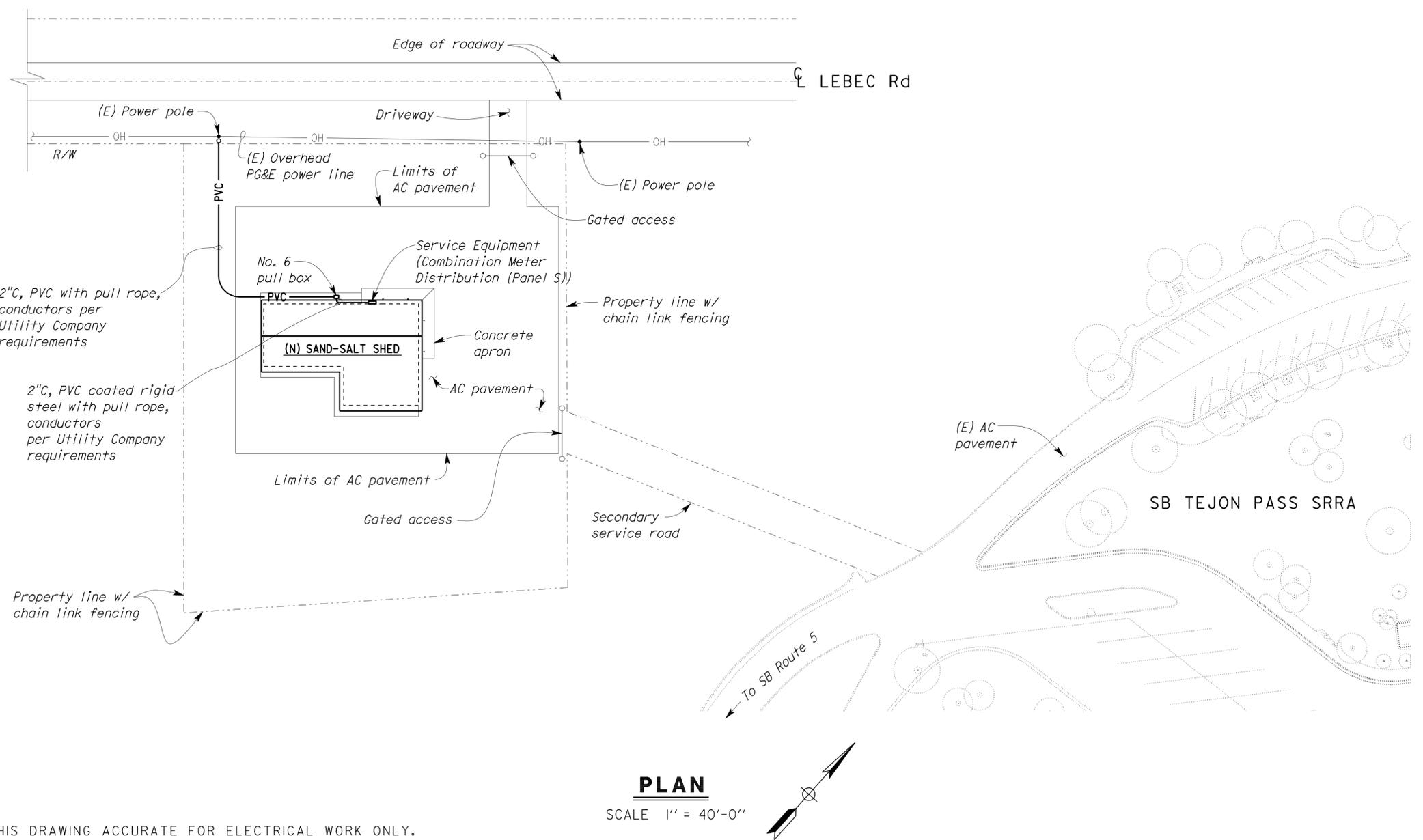
  
 REGISTERED ELECTRICAL ENGINEER DATE 11-28-11



9-24-12  
PLANS APPROVAL DATE

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**CALIFORNIA STATE FIRE MARSHAL**  
**APPROVED**  
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.  
 Reviewed by:   
 POLLY PARENTI  
 Approval date: 08-22-11



**PLAN**  
SCALE 1" = 40'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN BY	Beatrice Bindu	CHECKED	Tech Ngov	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No.	<b>FRAZIER SAND-SALT SHED</b>  ELECTRICAL SITE PLAN	SHEET <b>EE-5</b>	
	DETAILS BY	Kathi Andreasen	CHECKED	Beatrice Bindu		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	5755			
	QUANTITIES BY	Beatrice Bindu	CHECKED	Tech Ngov			POST MILE			
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT PROJECT NUMBER & PHASE	3597 07000200191	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 7/25/11 7/26/11 7/27/11 7/28/11 8/2/11 8/15/11 11/28/11	SHEET OF

26-SEP-2012 08:18 ee\_05.dgn



DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5755		41	41

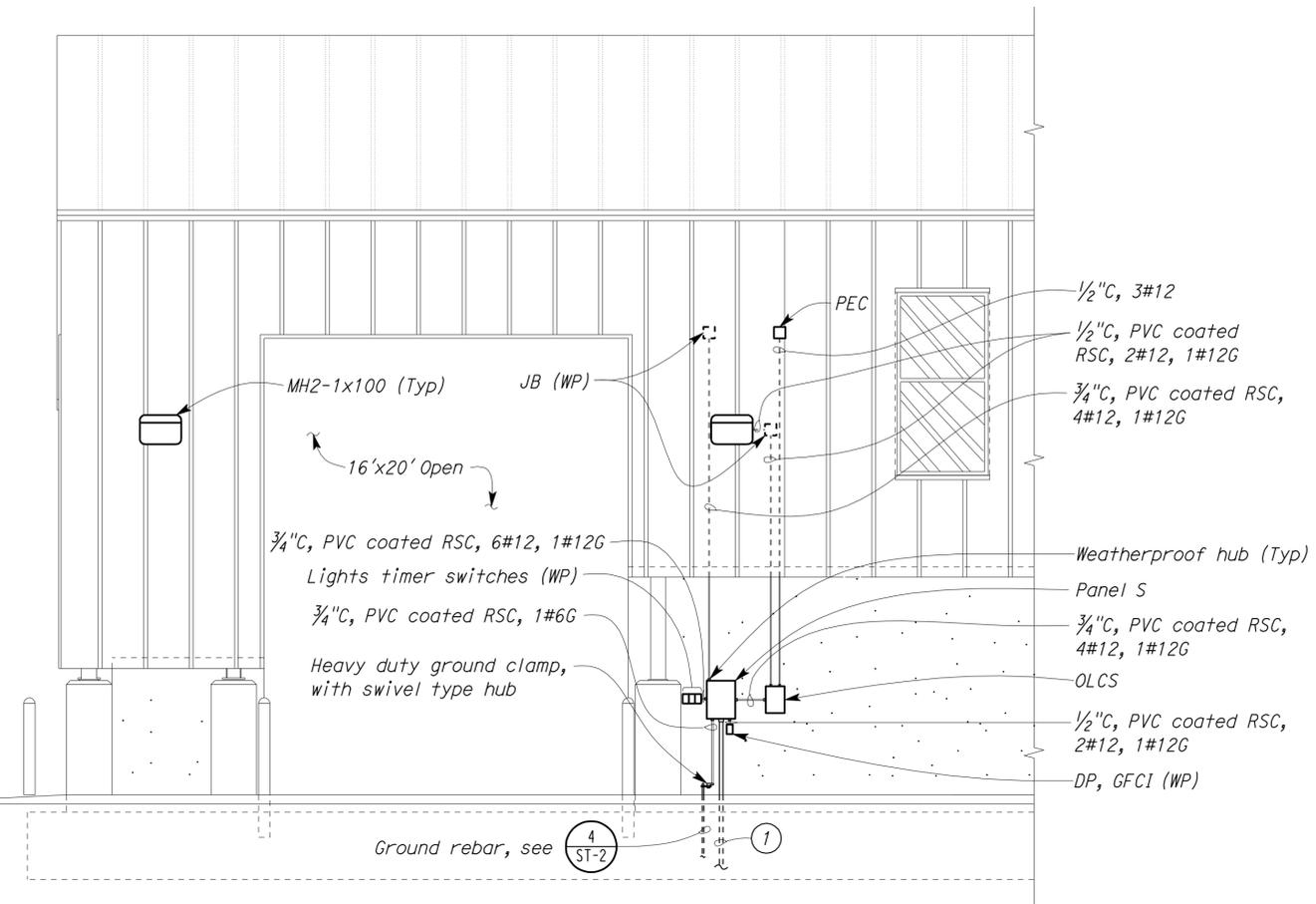
*Beatrice Bindu*  
 REGISTERED ELECTRICAL ENGINEER  
 DATE 11-28-11  
 PLANS APPROVAL DATE 9-24-12

REGISTERED PROFESSIONAL ENGINEER  
 BEATRICE BINDU  
 No. E 17240  
 Exp. 6-30-14  
 ELEC  
 STATE OF CALIFORNIA

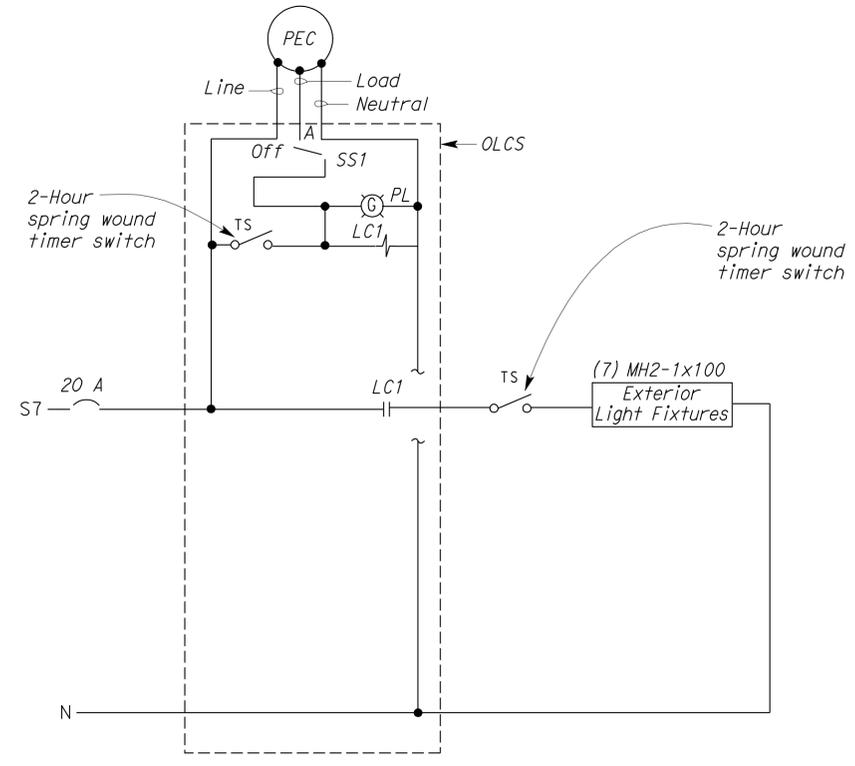
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Note:  
 ① 2" C, PVC coated rigid steel, to pull box. For continuation, see sheet EE-5.

CALIFORNIA STATE FIRE MARSHAL  
 APPROVED  
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.  
 Reviewed by: *Polly Parenti*  
 POLLY PARENTI  
 Approval date: 08-22-11



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



**OUTSIDE LIGHT CONTROL STATION (OLCS)**  
**1 CONTROL DIAGRAM**  
 NO SCALE

MAIN: 100-AMPERE CIRCUIT BREAKER  
 VOLTS: 120/240 V, 1-PHASE, 3-WIRE  
 FEEDER SIZE: 3#2, 1#6G  
 LOCATION: SAND STORAGE BUILDING

DESCRIPTION	AMPERES		BRK	CKT	A		B		CKT	BRK	AMPERES		DESCRIPTION		
	A	B			A	B	A	B							
LIGHTS, INTERIOR (TIMER SWITCH a)	8		20/1	1	•				2	20/1	---		SPARE		
LIGHTS, INTERIOR (TIMER SWITCH b)		8	20/1	3		•			4	20/2	---		SPARE		
RECEPTACLE, INTERIOR, EXTERIOR	3		20/1	5	•				6		---				
LIGHT EXTERIOR		7	20/1	7		•			8	20/2	---		SPARE		
SPARE	---		20/1	9	•				10		---				
SPARE	---		20/1	11	•				12	20/1	---		SPARE		
SPARE	---		20/1	13	•				14	20/1	---		SPARE		
SPACE			---	15		•			16	---	---		SPACE		
SPACE			---	17		•			18	---	---		SPACE		
SPACE			---	19		•			20	---	---		SPACE		
													TOTAL AMPERES PER PHASE		
													A	B	
													11	15	

**PANEL SCHEDULE**

DESIGN	BY <i>Beatrice Bindu</i>	CHECKED <i>Tech Ngov</i>
DETAILS	BY <i>Kathi Andreasen</i>	CHECKED <i>Beatrice Bindu</i>
QUANTITIES	BY <i>Beatrice Bindu</i>	CHECKED <i>Tech Ngov</i>

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 5755  
 POST MILE

**FRAZIER SAND-SALT SHED**  
 PANEL SCHEDULE AND DETAILS

SHEET **EE-7**