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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

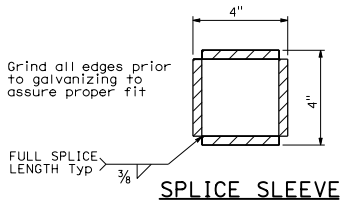
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Tiliat Satter
No. C42892
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

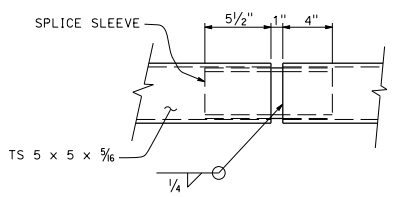
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED _____



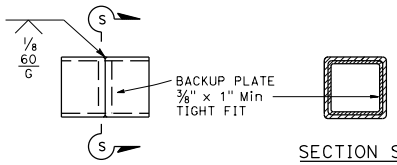
SPLICE SLEEVE

Make from 3/8" plates
Splice to fit freely inside TS 5 x 5 x 5/16



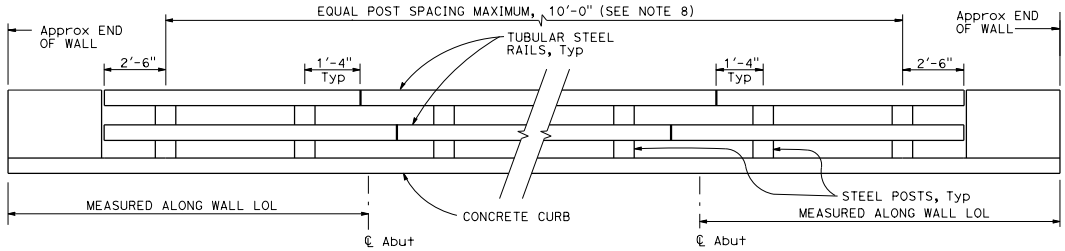
EXPANSION JOINT

See Note 5

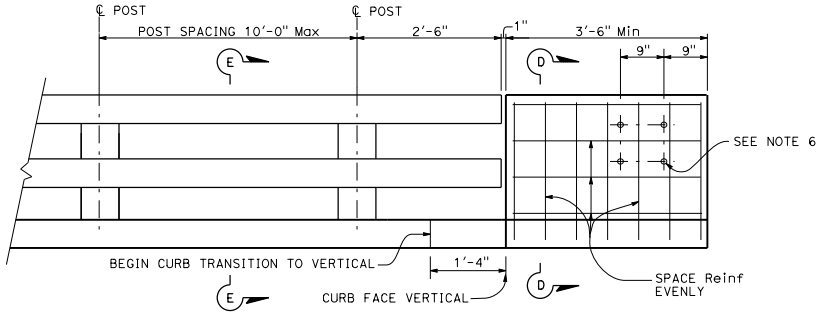


SECTION S-S

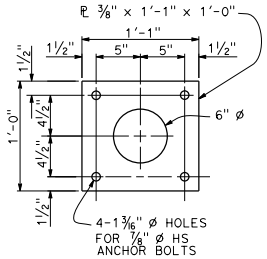
ALTERNATE TUBE WELDED SPLICE



BRIDGE RAILING ELEVATION

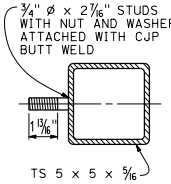


END OF RAILING ELEVATION



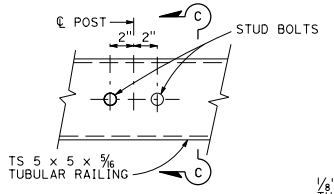
SECTION B-B

POST ANCHOR BOLT PLATE



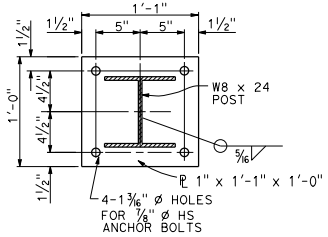
SECTION C-C

STUD BOLT



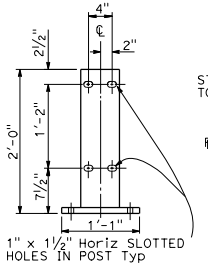
STUD BOLT LOCATION DETAIL

(Backside view of railing)



PLAN

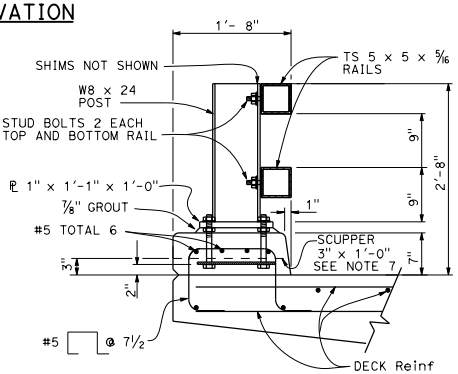
POST BASE PLATE PLAN



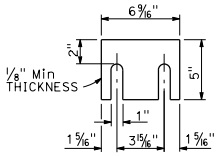
ELEVATION

BRIDGE POST

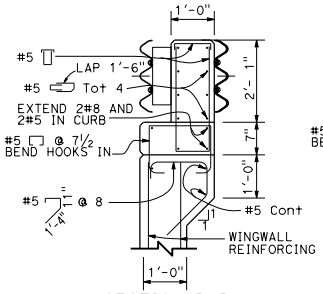
(Front view)



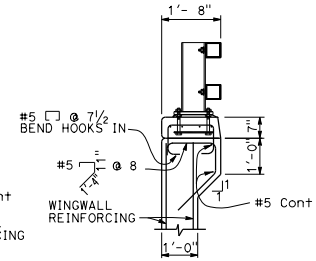
TYPICAL SECTION



RAILING SHIM DETAIL

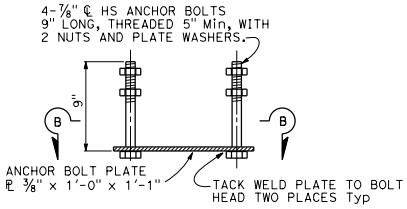


SECTION D-D



SECTION E-E

On Wingwall



POST ANCHOR BOLT DETAILS

GENERAL NOTES:

1. Post shall be normal to railing.
2. Tubing shall be bent or fabricated to fit horizontal curve when radius is less than 895'.
3. All exposed corners shall be ground smooth.
4. Tubing shall be continuous over not less than 3 intermediate posts.
5. Expansion joints in rail tubes shall match deck expansion joints.
6. For typical metal railing connection details not shown, see Revised Standard Plans RSP A77U1 and RSP A77U2.
7. If required, place scuppers midway between rail posts near centerline spans. Adjust reinforcing spacing to clear openings.
8. Post spacing and/or end block length to be adjusted to fit bridge length or approach slab.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CALIFORNIA ST-30 BRIDGE RAIL

NO SCALE

RSP B11-65 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN B11-65
DATED MAY 20, 2011 - PAGE 305 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP B11-65

2010 REVISED STANDARD PLAN RSP B11-65

6-27-13