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

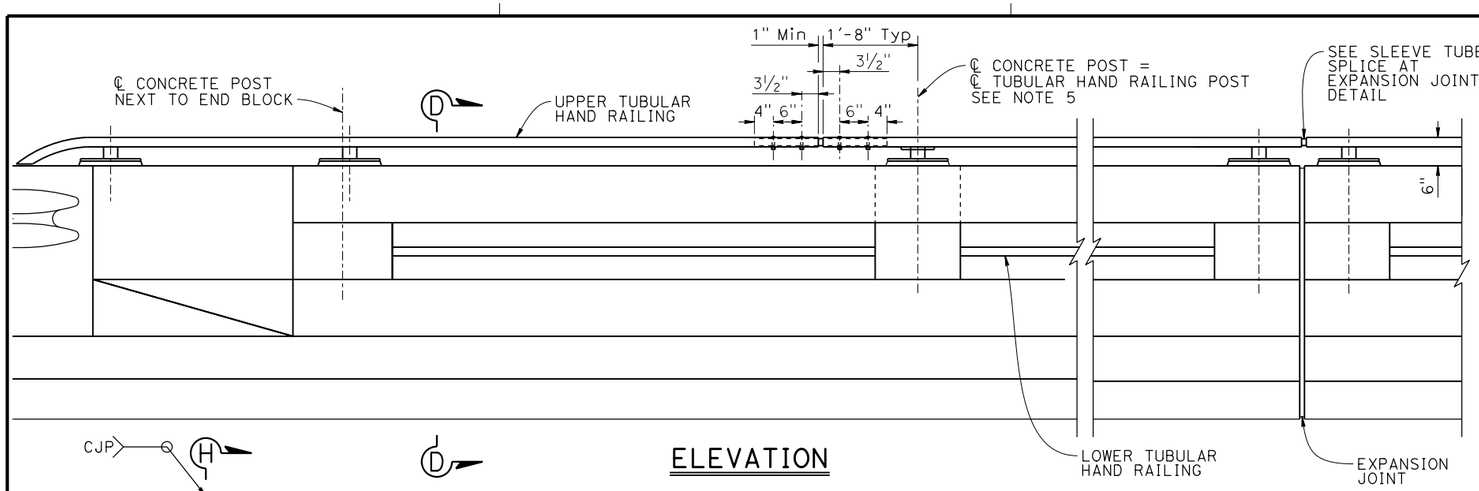
REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — 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.

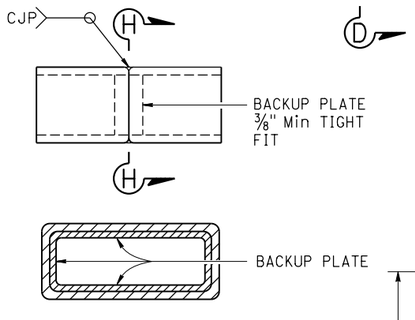
THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.



ELEVATION

NOTES:

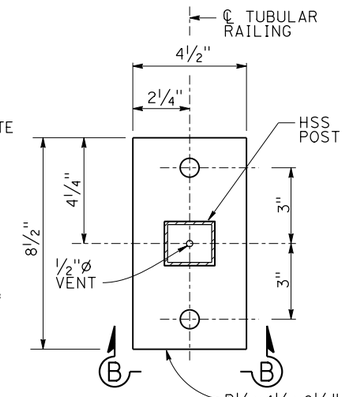
1. Adjust mortar pad thickness so that the base plate is level in the transverse cross sectional view and is parallel to the top of the upper beam (parallel to profile grade) in the longitudinal direction.
2. Tube splices shall be located in the tubes spanning deck or wall joints. Increase joint width in tubes to match expansion joint width and increase sleeve length accordingly.
3. Top rail tube shall be continuous over not less than two posts
4. Use HS bolts ½" x3⅝" with nut and washers, snug tightened, with thread locking mechanism.
5. Welded connection details between tubular hand railing and HSS2x2x3/16 post is shown. For bolted connection details, see "RAILING CONNECTION DETAILS" on RSP B11-220.



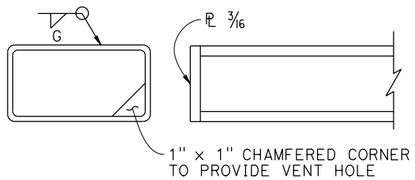
SECTION H-H

ALTERNATIVE TUBE WELDED STANDARD SPLICE

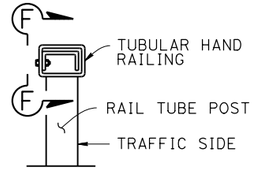
FOR SPLICES NOT AT EXPANSION JOINTS



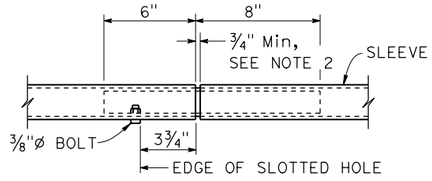
PLAN



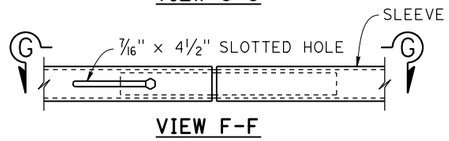
RAIL CAP



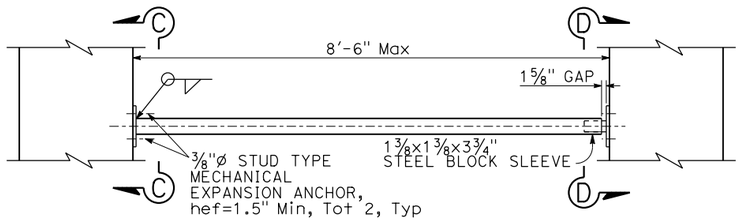
SECTION AT SLEEVE TUBE SPLICE AT EXPANSION JOINT



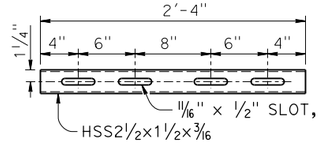
VIEW G-G



VIEW F-F

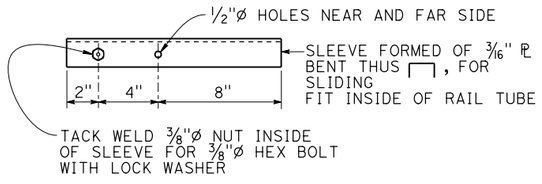


LOWER HAND RAIL DETAIL

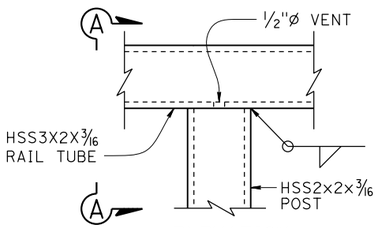


STANDARD SLEEVES DETAILS

SEE NOTE 4

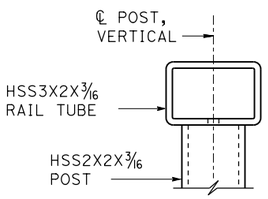


SLEVE TUBE SPLICE AT EXPANSION JOINT DETAIL

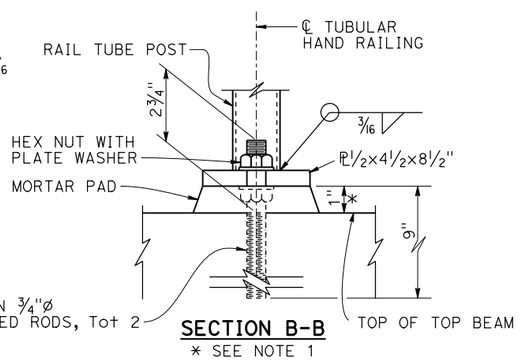


ELEVATION

SEE NOTE 5

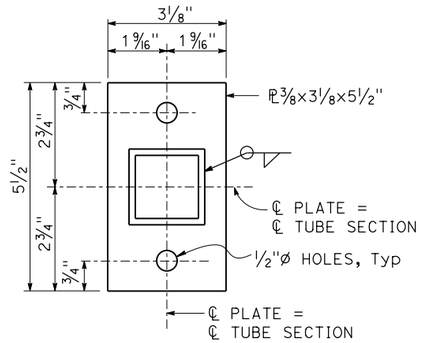


SECTION A-A

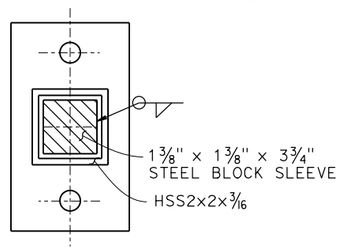


SECTION B-B

* SEE NOTE 1

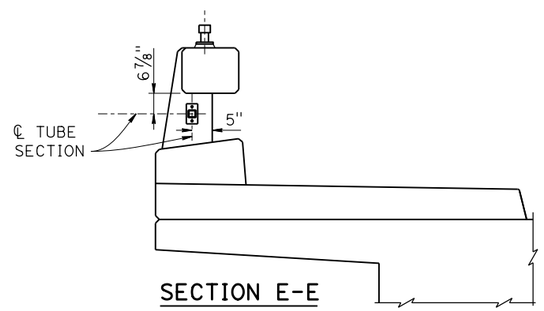


SECTION C-C



SECTION D-D

See Section C-C for details not shown



SECTION E-E

TUBULAR HAND RAILING DETAILS

NO SCALE

BRIDGE STANDARD DETAILS		
xs16-118-4 (FILE NO.)	April 2024 (APPROVAL DATE)	*The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California*

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.	X
XX-XXXX	CONCRETE BARRIER TYPE 85SW DETAILS No. 4
POST MILE	
X.X	

Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

DATE PLOTTED => 22-APR-2024 TIME PLOTTED => 13:35 FILE => xs16-118-4.dgn USERNAME => s155182

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1

COUNTY/ROUTE: XXX/XXX CONTRACT No.: XX-XXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
				X	X