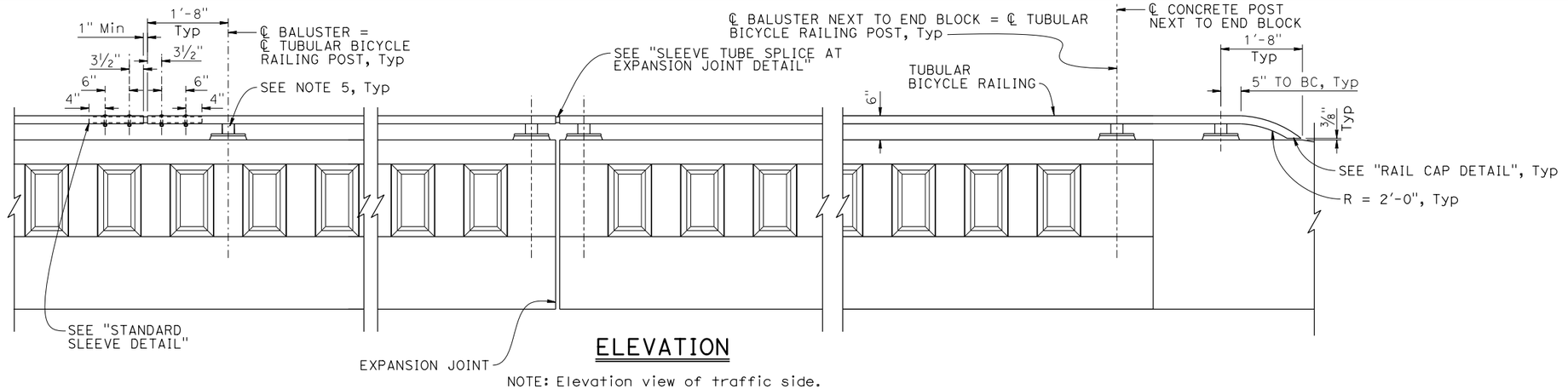
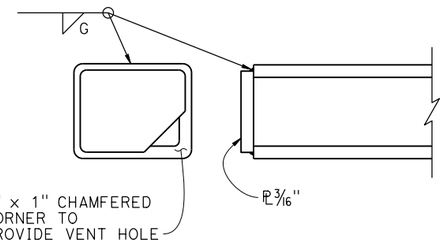
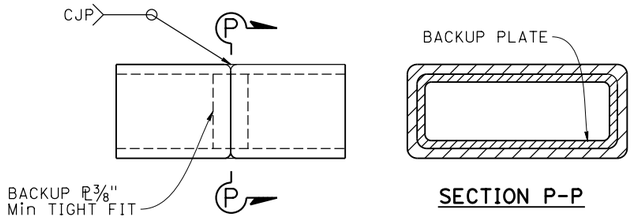


ELEVATION

NOTE: Elevation view of traffic side.



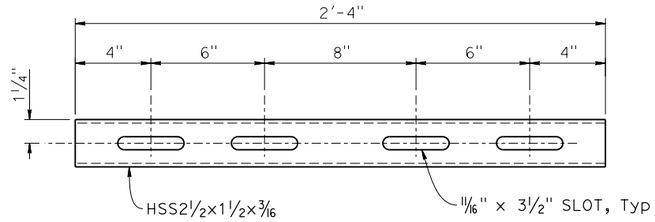
RAIL CAP DETAIL



SECTION P-P

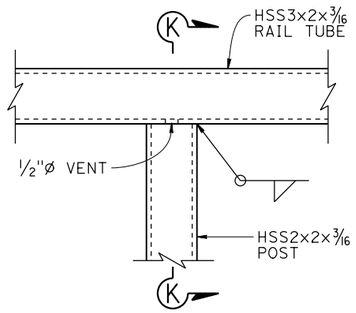
ALTERNATIVE STANDARD SPLICE WITH WELDED TUBE

NOTE: For splices not at expansion joints.



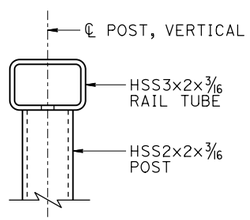
STANDARD SLEEVE DETAIL

SEE NOTE 4

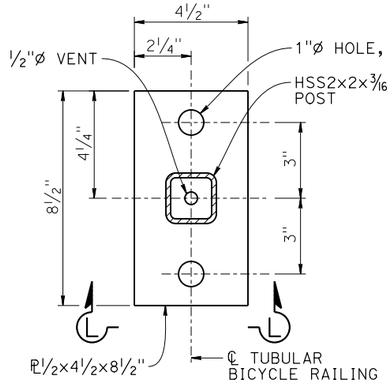


POST PART ELEVATION

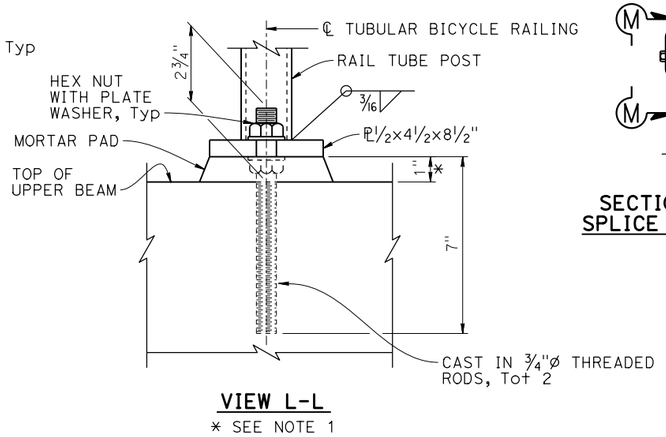
SEE NOTE 5



SECTION K-K



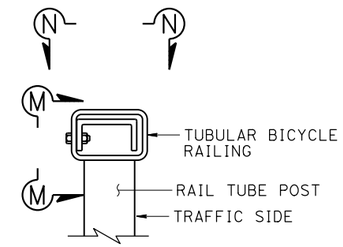
POST PLAN



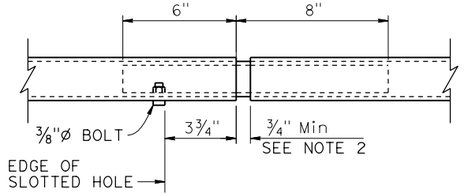
VIEW L-L

* SEE NOTE 1

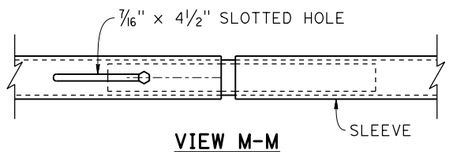
TUBULAR BICYCLE RAILING DETAILS



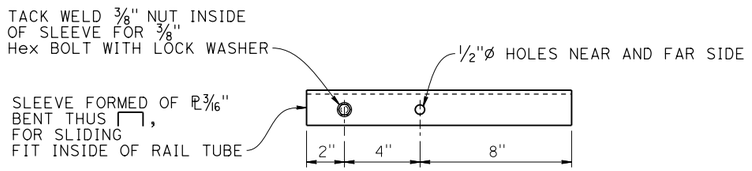
SECTION AT SLEEVE TUBE SPLICE AT EXPANSION JOINT



VIEW N-N



VIEW M-M



SLEEVE TUBE SPLICE AT EXPANSION JOINT DETAIL

NOTES:

1. Adjust mortar pad thinness so that the base plate is level in the transverse cross sectional view, and is parallel to the top of the upper beam in the longitudinal direction (parallel to profile).
2. Tube expansion 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. Tubular bicycle railing shall be continuous over not less than two posts.
4. Use carriage bolts ½"ø x 3⅝" with nut and washers, snug tightened, with thread locking mechanism.
5. Welded connection details between tubular bicycle railing and HSS2x2x3/16" post is shown, for alternative bolted connection details see "RAILING CONNECTION DETAILS" on STANDARD PLAN B11-220.

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

REGISTERED CIVIL ENGINEER — X — DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — X — 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.

NO SCALE

BRIDGE STANDARD DETAILS

xs16-137-4	July 2025	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
FILE No.	APPROVAL DATE	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. XX-XXXX

POST MILE X.X

X

CONCRETE BARRIER TYPE 512H DETAILS No. 4

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

DATE PLOTTED => 12-MAY-2025 TIME PLOTTED => 10:43
FILE => xs-16-137-4.dgn USERNAME => s155182

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: XXXX COUNTY/ROUTE/ZONE: XXX/XXX/X
PROJECT NUMBER & PHASE: XXXXXXXXXX1 CONTRACT No.: XX-XXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
				X	X