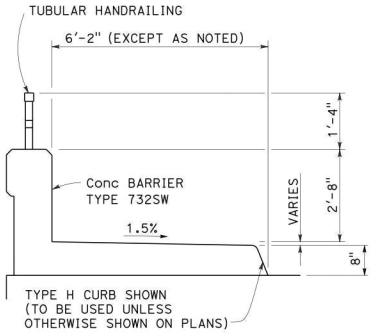
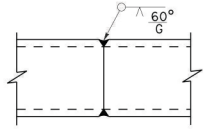


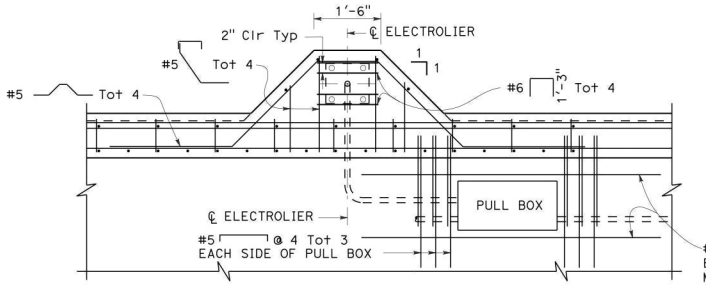
TYPICAL SECTION

RAIL CAP

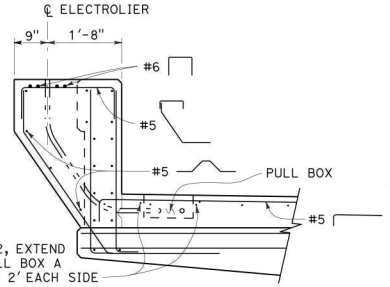
HSS3x2x3/16 similar



TUBE-WELDED SPLICE

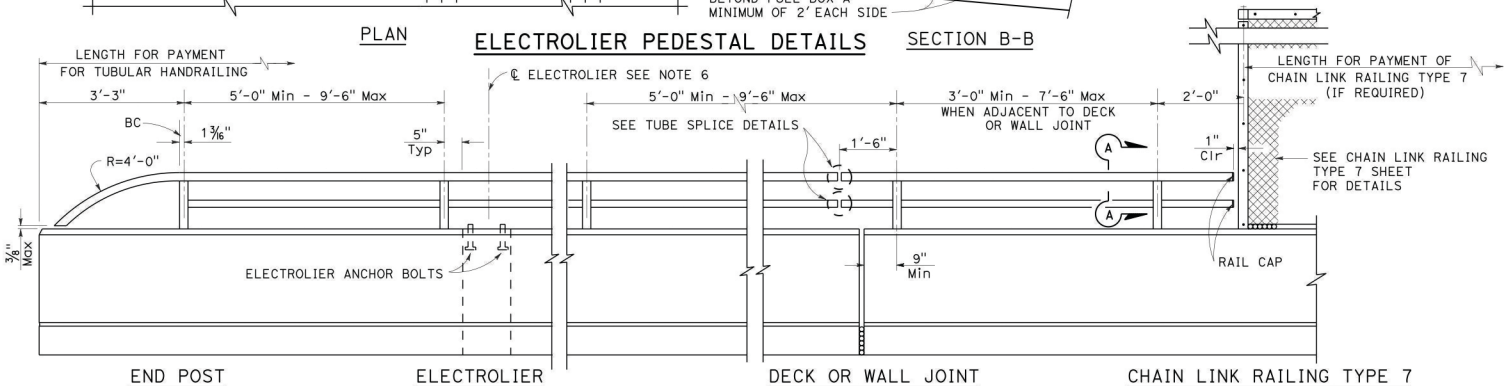


PLAN



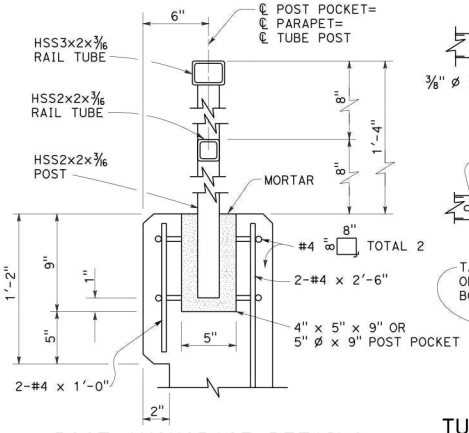
SECTION B-B

ELECTROLIER PEDESTAL DETAILS

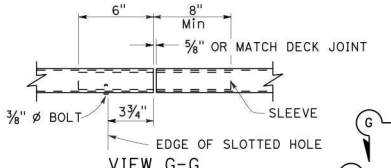


END POST | ELECTROLIER | DECK OR WALL JOINT | CHAIN LINK RAILING TYPE 7

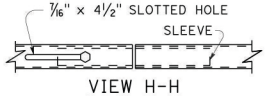
ELEVATION



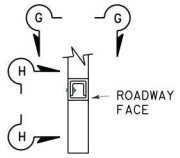
POST ANCHORAGE DETAILS



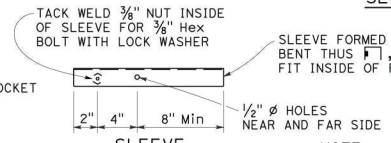
VIEW G-G



VIEW H-H



SECTION



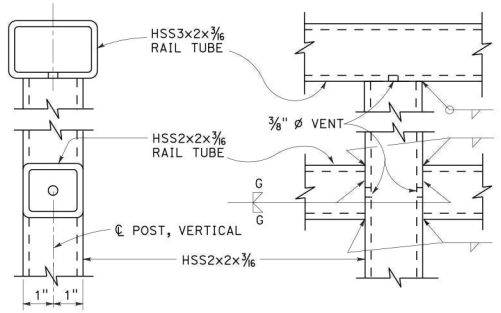
SLEEVE

TUBE SPLICE DETAILS

HSS3x2x3/16 similar

NOTE:

3/8" Nut tack welded to sleeve may be replaced by drilled and tapped hole in sleeve.



SECTION A-A | ELEVATION

RAIL CONNECTION DETAILS

DESIGN NOTE:

AASHTO LRFD Bridge Design Specifications 8th Edition 2017 with California Amendments April 2019

NOTES:

1. Post shall be normal to railing.
2. Rail tubes shall be shop bent or fabricated to fit horizontal curve when radius is less than 950'.
3. 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 correspondingly.
4. Top rail tube shall be continuous over not less than two posts except a short post spacing is permitted near deck or wall joints, electroliers, or other rail discontinuities as noted.
5. For details and reinforcement not shown, see Standard Plan B11-58.
6. For electrolier mounting details, see Standard Plan ES-6A and ES-6B.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TUBULAR HANDRAILING

NO SCALE

B11-51

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

Gregory J. Kaderabek
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gregory J. Kaderabek
No. C40814
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA

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3-14-23

Return to Table of Contents