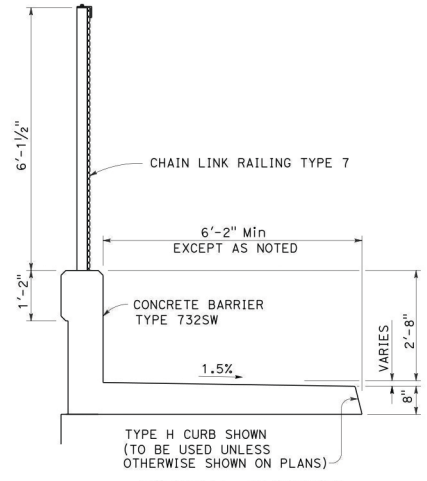
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

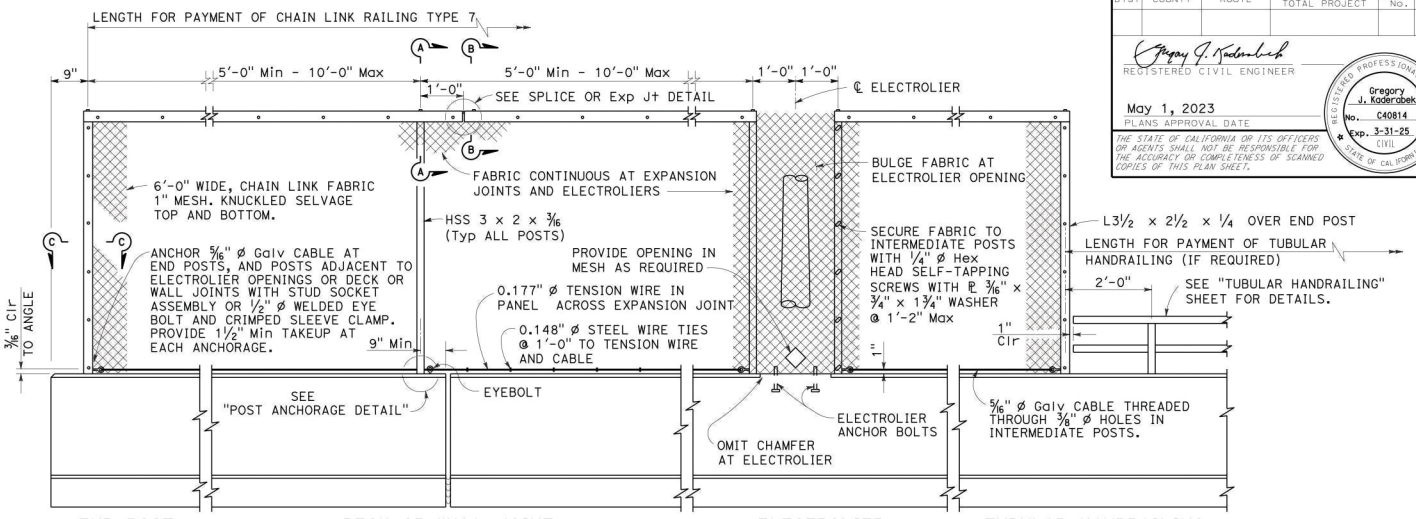
May 1, 2023
PLANS APPROVAL DATE

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.

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

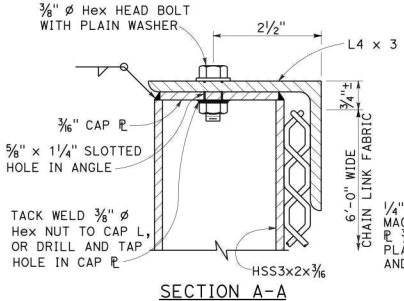


TYPICAL SECTION

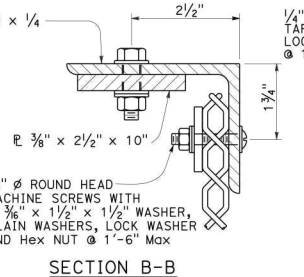


END POST | DECK OR WALL JOINT | ELECTROLIER | TUBULAR HANDRAILING

ELEVATION



SECTION A-A



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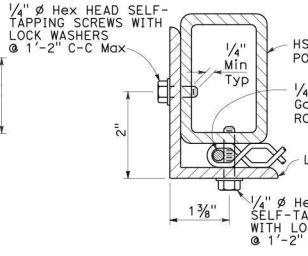

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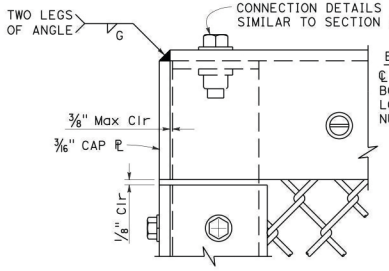
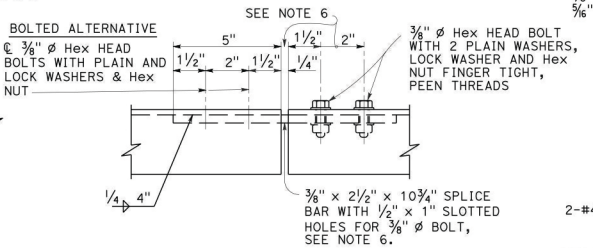
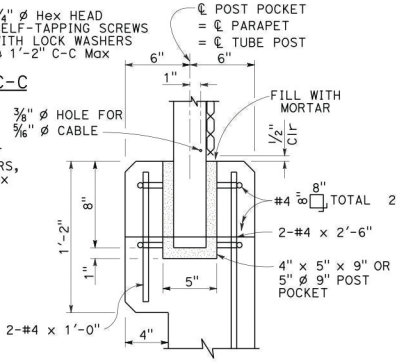


END POST ELEVATION



SPLICE OR EXPANSION JOINT DETAIL



POST ANCHORAGE DETAIL

DESIGN NOTES

DESIGN:

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

CONCRETE:

fy = 60 ksi
f'c = 3.6 ksi

NOTES:

1. Posts shall be vertical.
2. Railing shall conform to horizontal and vertical alignment. When railing is placed on a curved horizontal alignment with radius of 148'-0" or less, thread the 5/16" ø cable through 3/8" ø welded eye rods embedded 4" into the top of the concrete parapet and equally spaced to limit the midordinate distance between the 5/16" ø cable and the curve to 1" maximum. Horizontal angle shall be bent to conform to horizontal alignment if radius is 148'-0" or less and may be on 10'-0" chords if radius is over 148'-0"
3. Horizontal angle shall be continuous over not less than two intermediate posts, except that a shorter length is permitted at expansion joints, electroliers and other rail discontinuities.
4. When rail is on slope, place fabric parallel to slope.
5. For details and reinforcement not shown see Standard Plan B11-58.
6. Expansion joint same dimension as expansion joint in deck or wall. Increase slotted hole length and splice bar length correspondingly.
7. Design valid for bridges with the top of Chanin Link Railing Type 7 equal to or less than 150' height above surrounding ground surfaces.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK RAILING TYPE 7

NO SCALE

B11-52

3-14-23

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