

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
DDDD	CCCC	RRRR	PPPP	????	####
REGISTERED CIVIL ENGINEER			X	DATE	
MM/DD/YYYY					
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.					
THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.					

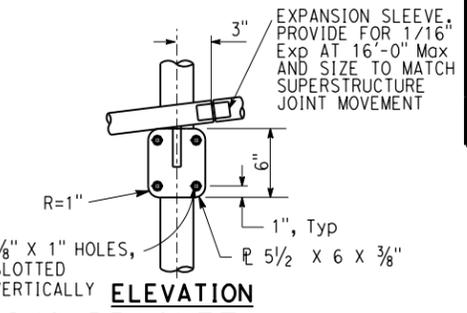
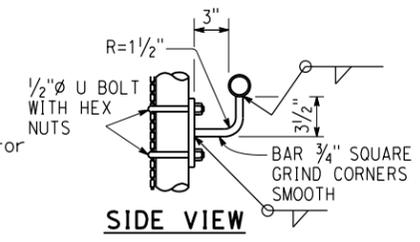
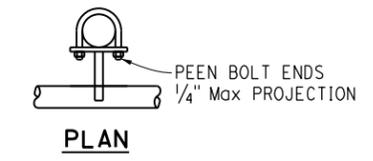
GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

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

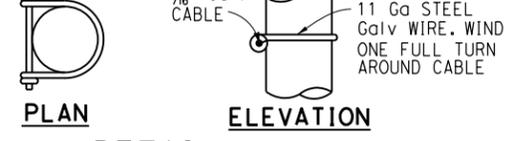
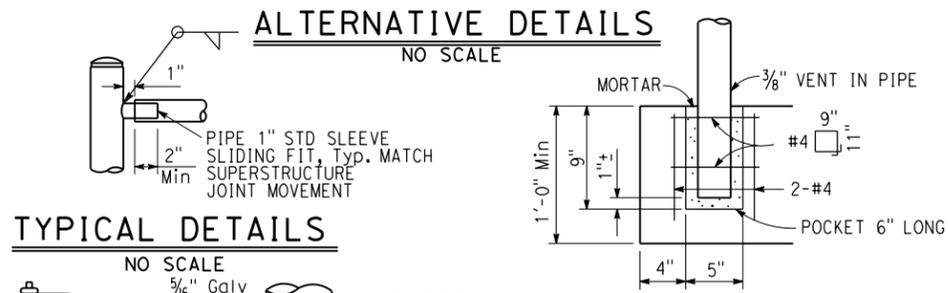
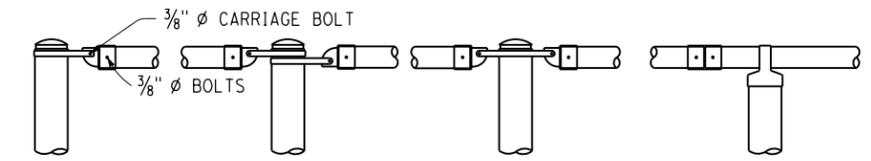
- NOTES:**
- Railing must conform to horizontal and vertical alignment. Posts must be vertical.
 - Horizontal pipes must be bent if radius is 150'-0" or less. May be 6'-0" chords if radius is over 150'-0". Peen all 3/8" bolts.
 - When railing is on slope, fabric shall be placed parallel to slope.
 - Alternative details may be submitted by Contractor for Engineer approval.
 - Additional HSS 1.9 x 0.145 required on radius less than 150'-0".
 - Design valid for bridges with the top of chain link railing type 3 equal to or less than 120' height above surrounding ground surfaces.
 - Reinforce fabric cut edge with 7Ga wire.

CONCRETE:
 $f_y = 60\text{ksi}$ $f'_c = 3.6\text{ksi}$

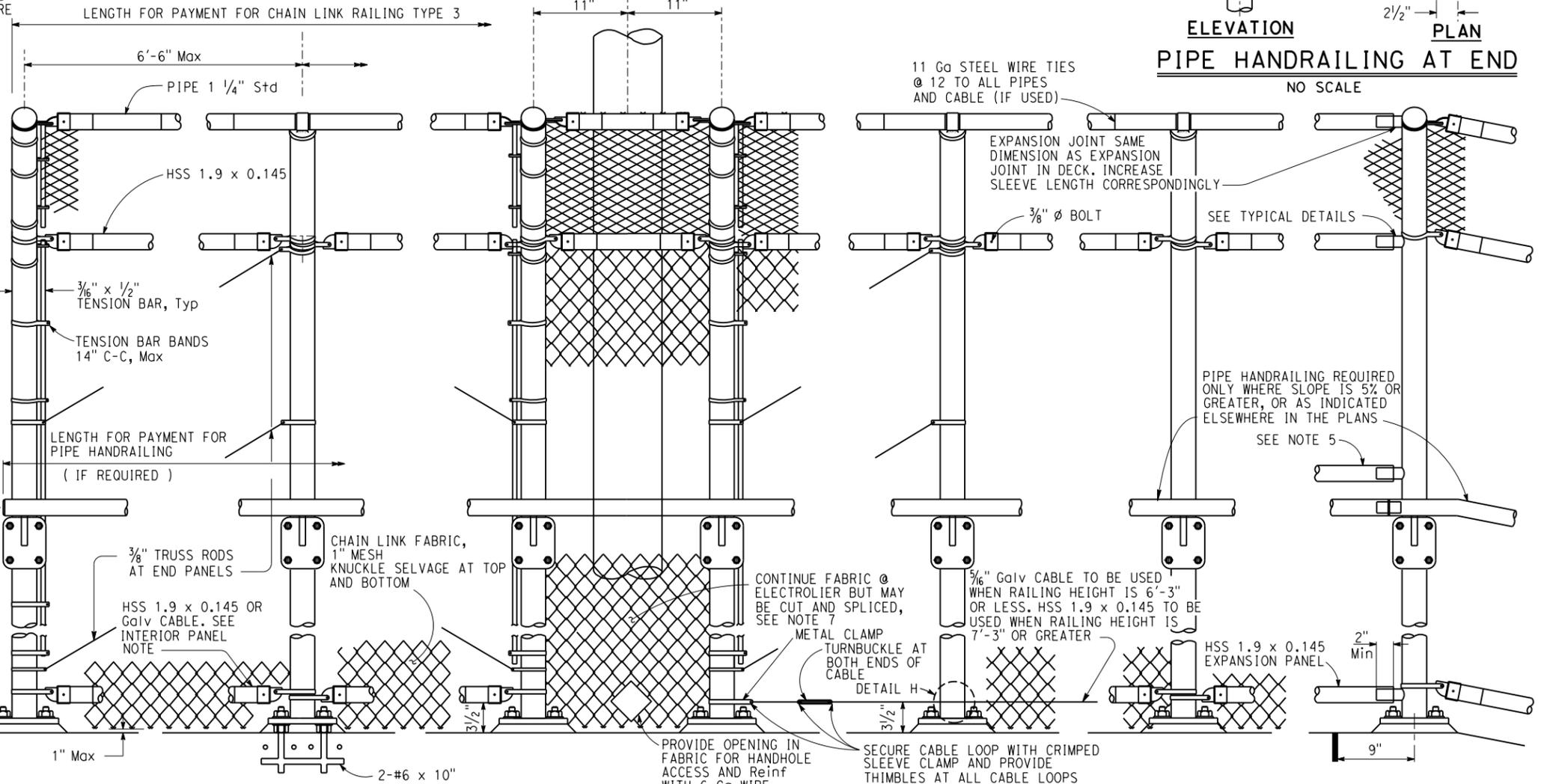
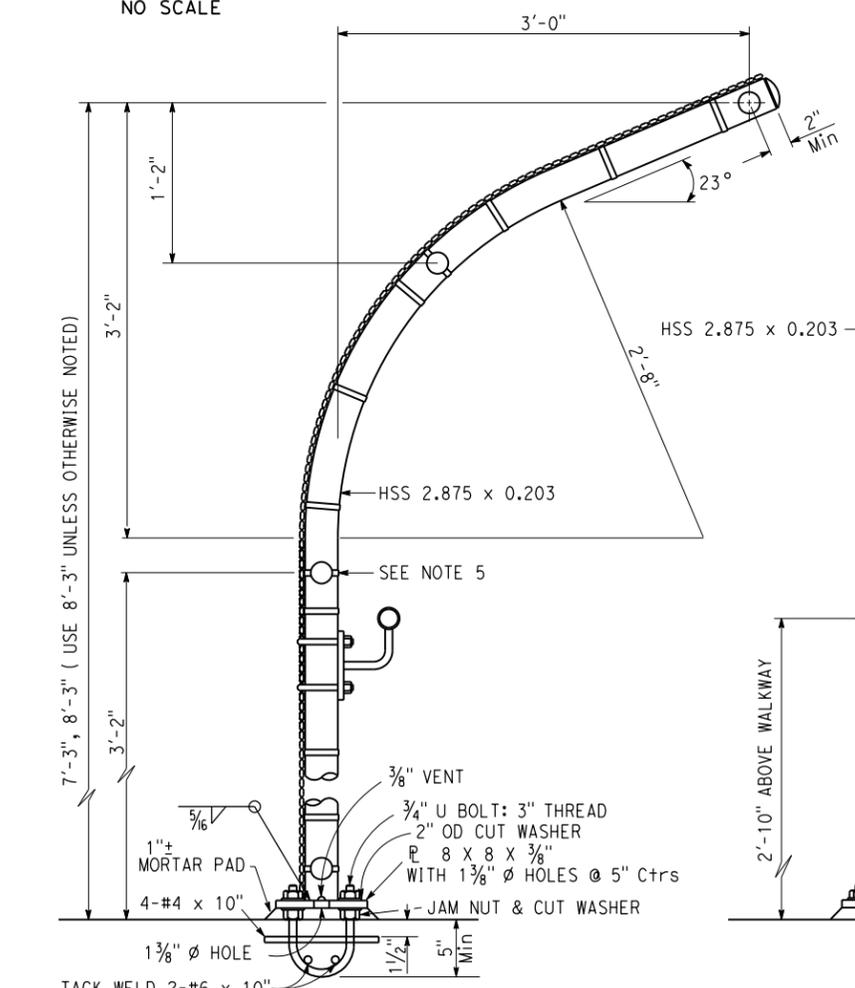
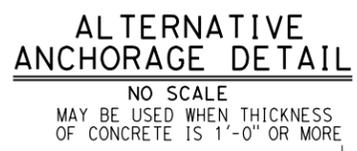
STRUCTURAL STEEL:
HSS: $f_y = 50\text{ksi}$



PIPE HANDRAILING BRACKET



DETAIL H



PIPE HANDRAILING AT END

TYPICAL POST DETAIL

ELEVATION

BRIDGE STANDARD DETAILS		
xs16-160	July 2020	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.
		POST MILE

CHAIN LINK RAILING TYPE 3