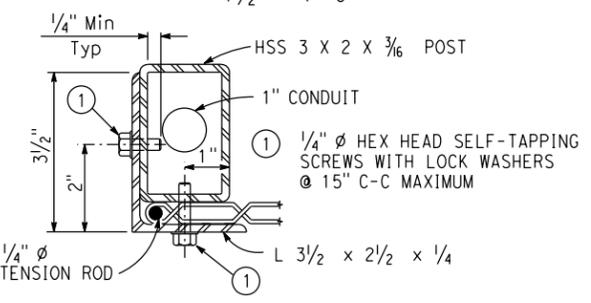
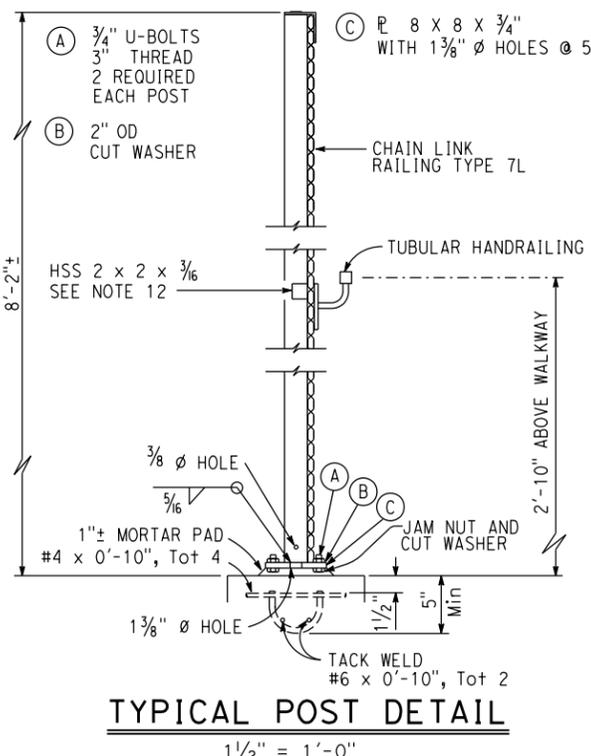


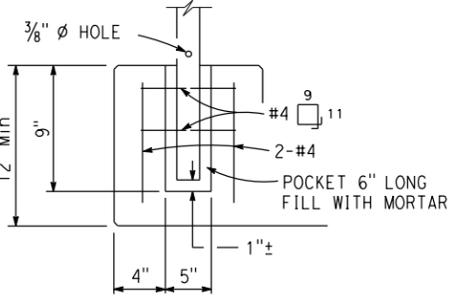
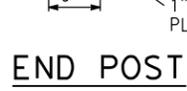
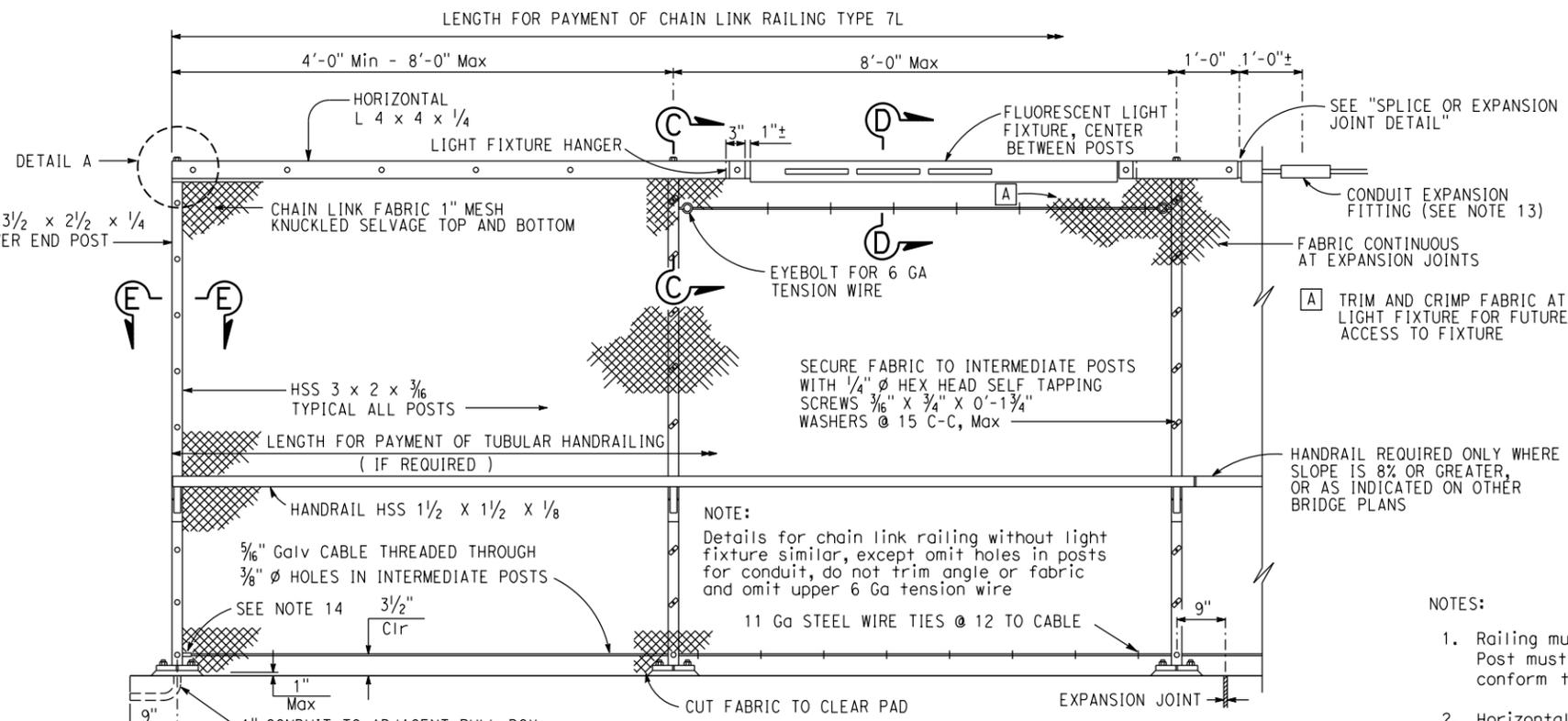
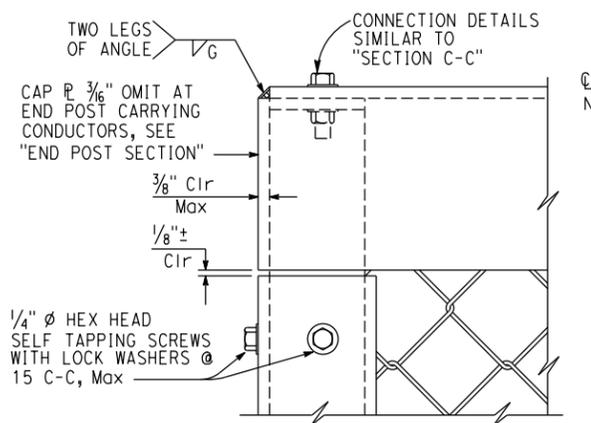
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

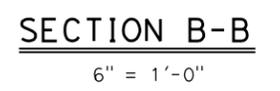
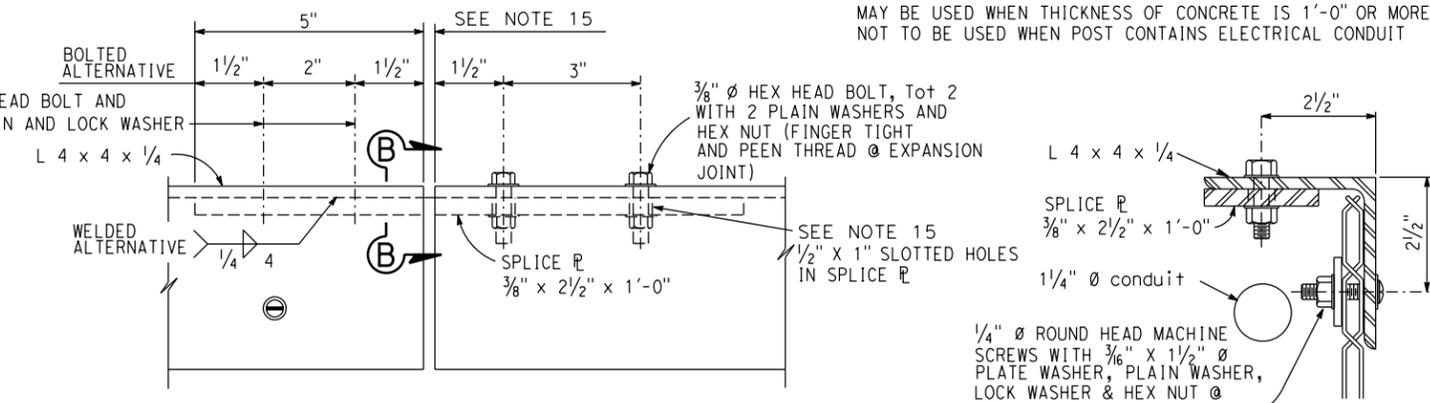
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



NOTE: Holes (For self-tapping screws) in end post must be drilled before conduits are in place



MAY BE USED WHEN THICKNESS OF CONCRETE IS 1'-0" OR MORE NOT TO BE USED WHEN POST CONTAINS ELECTRICAL CONDUIT



- NOTES:
- Railing must conform to horizontal and vertical alignment. Post must be vertical. Horizontal angle must be bent to conform to horizontal alignment if radius is 150'-0" or less.
 - Horizontal angle must be continuous over not less than two intermediate posts, except that a shorter length is permitted at expansion joints and other rail discontinuities.
 - When railing is placed on curved horizontal alignment with radius of 150'-0" or less, drill 1/2" x 3" deep hole in slab and set in epoxy adhesives 3/8" * welded eyebolt for 5/16" cable to limit the midordinate distance between the 5/16" cable and curve to be 1" maximum.
 - Place fabric parallel to slope.
 - Alternative details may be submitted by the Contractor for Engineer's approval.
 - Provide thimbles at all cable loops.
 - See Standard Plan ES-12A "ELECTRICAL SYSTEMS (PEDESTRIAN OVERCROSSING FLUORESCENT LIGHTING FIXTURE)" for details not shown.
 - Handrail tube continuous over two or more supports.
 - Peen all exposed bolts.
 - Electrical details for corner post are similar to those shown. Fabric to be trimmed and crimped around handhole.
 - Conduit holes in posts will vary with slope of structure.
 - HSS 2 x 2 x 3/16, required for curves with radius of 150'-0" or less. Bend to conform to curve.
 - Conduit expansion fitting to be required at deck or wall expansion joints with movement ratings greater than 1".
 - Anchor 5/16" galvanized cable at end post with 1/2" * stud socket assembly or 1/2" * welded eyebolt and crimped sleeve clamp. Provide 1 1/2" minimum take-up at each anchorage.
 - Expansion joint same dimension as expansion joint in deck or wall. Increase slotted hole length and splice plate length correspondingly.

STANDARD DRAWING	FILE NO. xs16-210-1	APPROVAL DATE <u>October 2014</u>
------------------	----------------------------	-----------------------------------

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. X POST MILE X
---	----------------------------------	-----------------------------

X	
CHAIN LINK RAILING TYPE 7L	
DETAILS No. 1	