

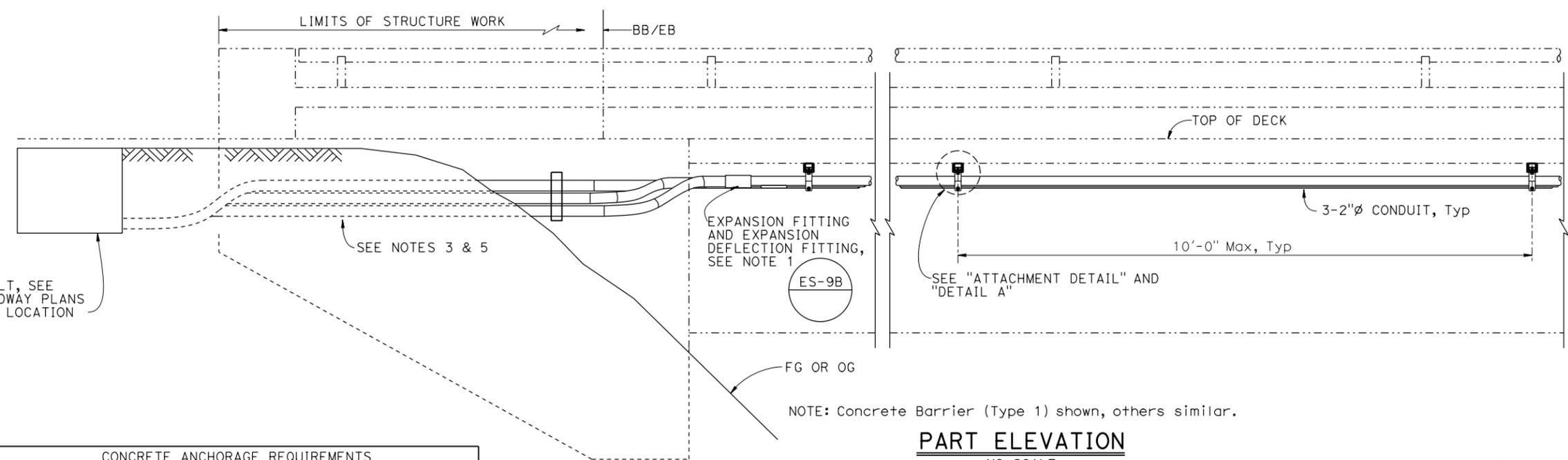
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE X

PLANS APPROVAL DATE

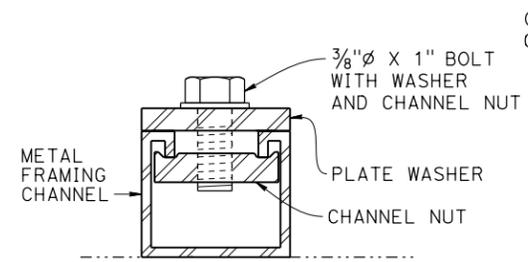
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.

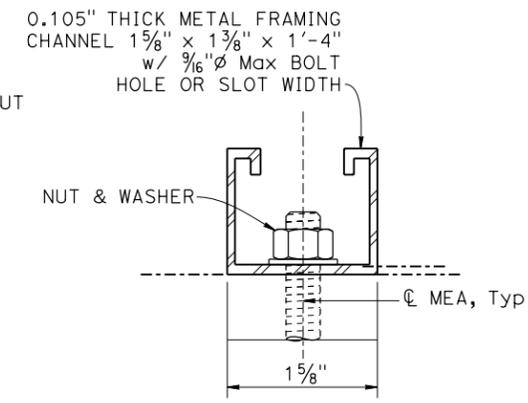


CONCRETE ANCHORAGE REQUIREMENTS			
Minimum Effective Embedment h_{ef} (in)	Minimum Concrete Thickness h_a (in)	Minimum Edge Distance C_a (in)	Minimum Anchor Spacing S (in)
2	6	6	3

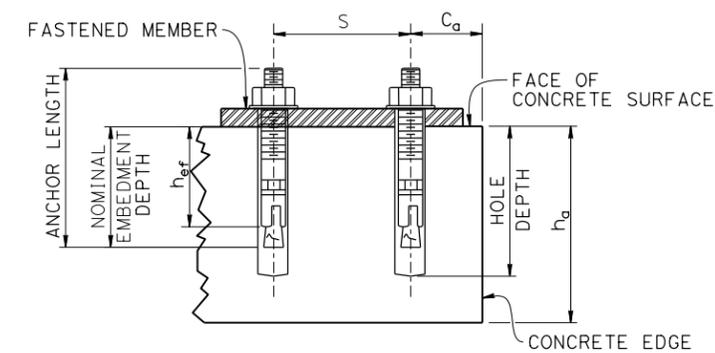
EXPANSION FITTING INSTALLATION POSITION TABLE	
INSTALLATION PERIOD	% OF MAXIMUM EXPANSION RANGE
December to February	80%
March to May and September to November	50%
June to August	20%



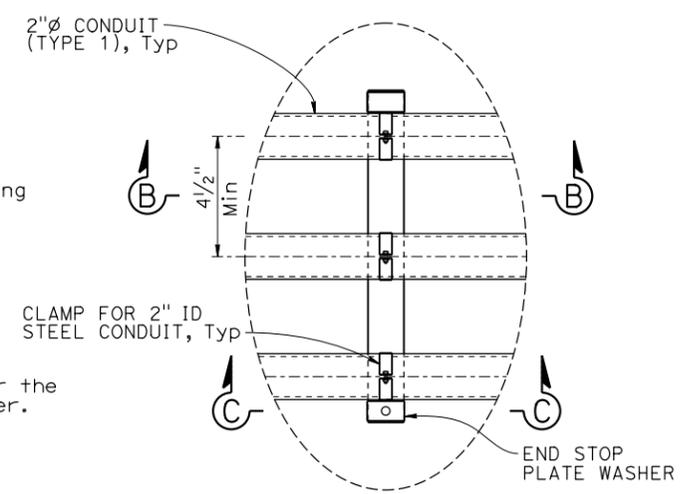
SECTION C-C
NO SCALE



SECTION B-B
NO SCALE



TYPICAL STUD TYPE (WEDGE)
STUD MEA
NO SCALE



DETAIL A
NO SCALE

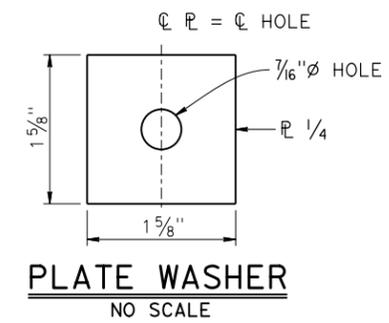
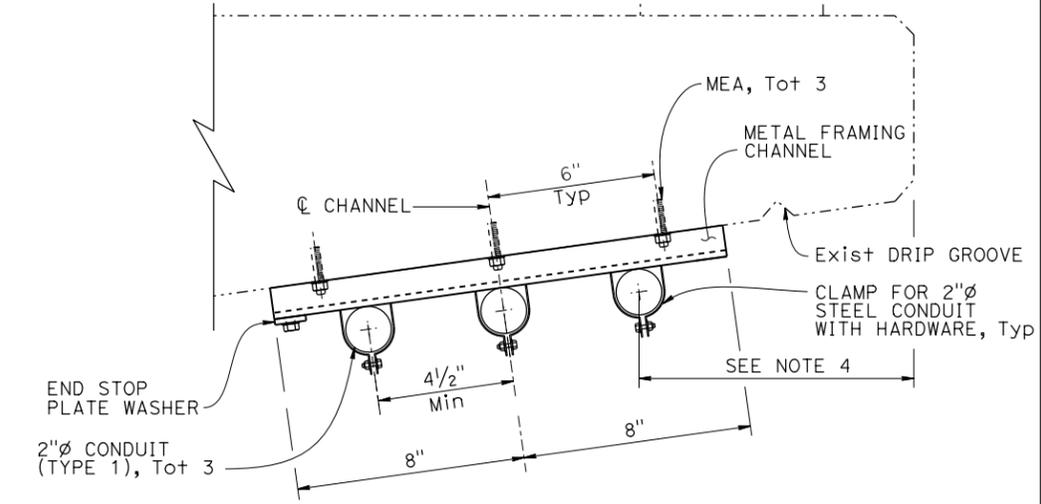


PLATE WASHER
NO SCALE



ATTACHMENT DETAIL
NO SCALE

- NOTES:
- Expansion fittings and expansion-deflection fittings shall be installed adjacent to BB, EB, joints or hinges (within 8 feet). Fittings must be able to handle up to the Movement Range (MR) noted for the bridge. Stagger fittings on either side of BB, EB, joints or hinges. At expansion fittings, add gradual field bends as needed. For expansion fitting installation, see "EXPANSION FITTING INSTALLATION POSITION TABLE."
 - For vault locations and other details not shown, see ROADWAY PLANS.
 - Type 1 conduit continues to vault near bridge.
 - For short overhangs with reduced space, bridging over the drip groove will be allowed as directed by the Engineer.
 - For 2" conduits, a minimum bend radius of 1'-2" is required if the total bend degrees between pull point/vaults is 90 degrees or less. For total bend degrees from 90 to 180 the minimum bend radius for all bend fittings is 2'-0".
 - All mounting hardware shall be protected against corrosion.

LEGEND:
 - - - - Existing Structure
 MEA - Mechanical Expansion Anchor

BRIDGE STANDARD DETAILS			STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		COMMUNICATION CONDUIT (OVERHANG/ SLAB)	
xs20-010-1	MAY 2023	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	DEPARTMENT OF TRANSPORTATION		BRIDGE No. XX-XXXX		PROJECT NUMBER & PHASE: XXXXXXXXXX1	
FILE NO.	APPROVAL DATE				POST MILE X.X		COUNTY/ROUTE: XXX/XXX	
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html			DATE PLOTTED => 8-JUN-2023		TIME PLOTTED => 11:57		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
			FILE => 20230309_xs20-010-1.dgn		USERNAME => s151015		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	
							REVISION DATES SHEET OF X X	