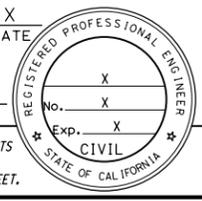


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
THE REGISTERED CIVIL ENGINEER 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 with California Amendments, Preface dated April 2019

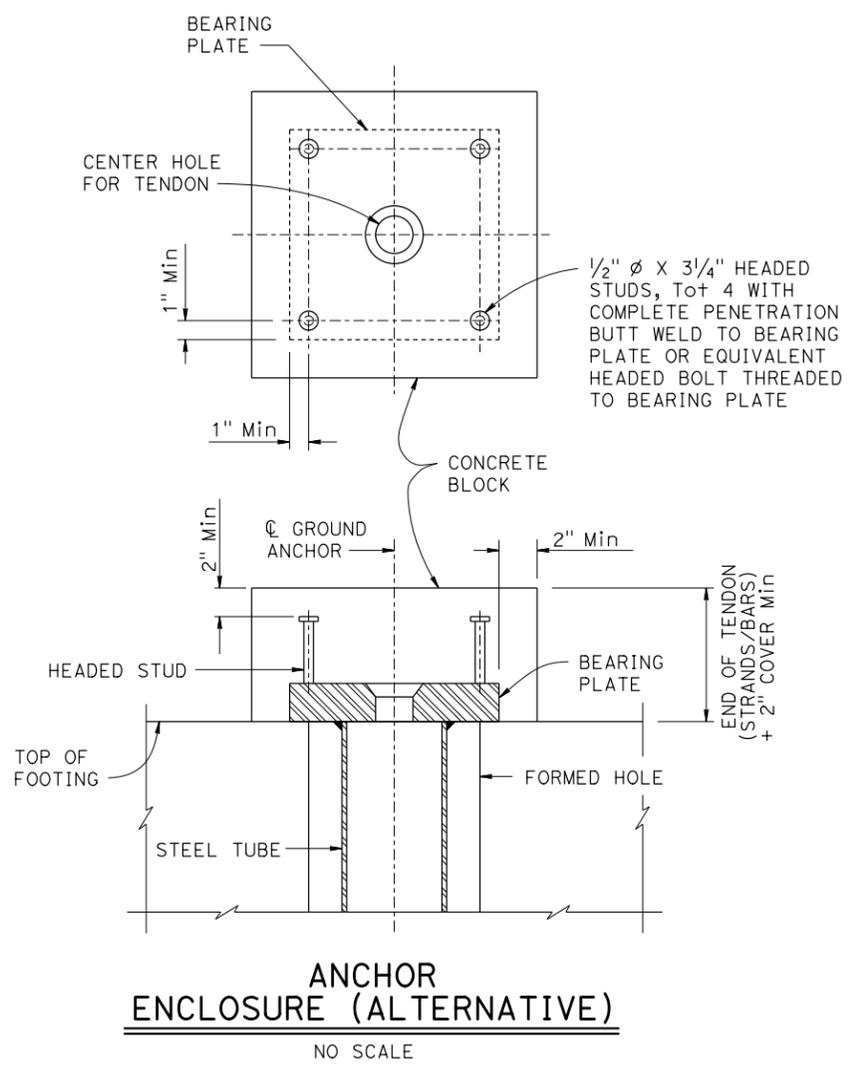
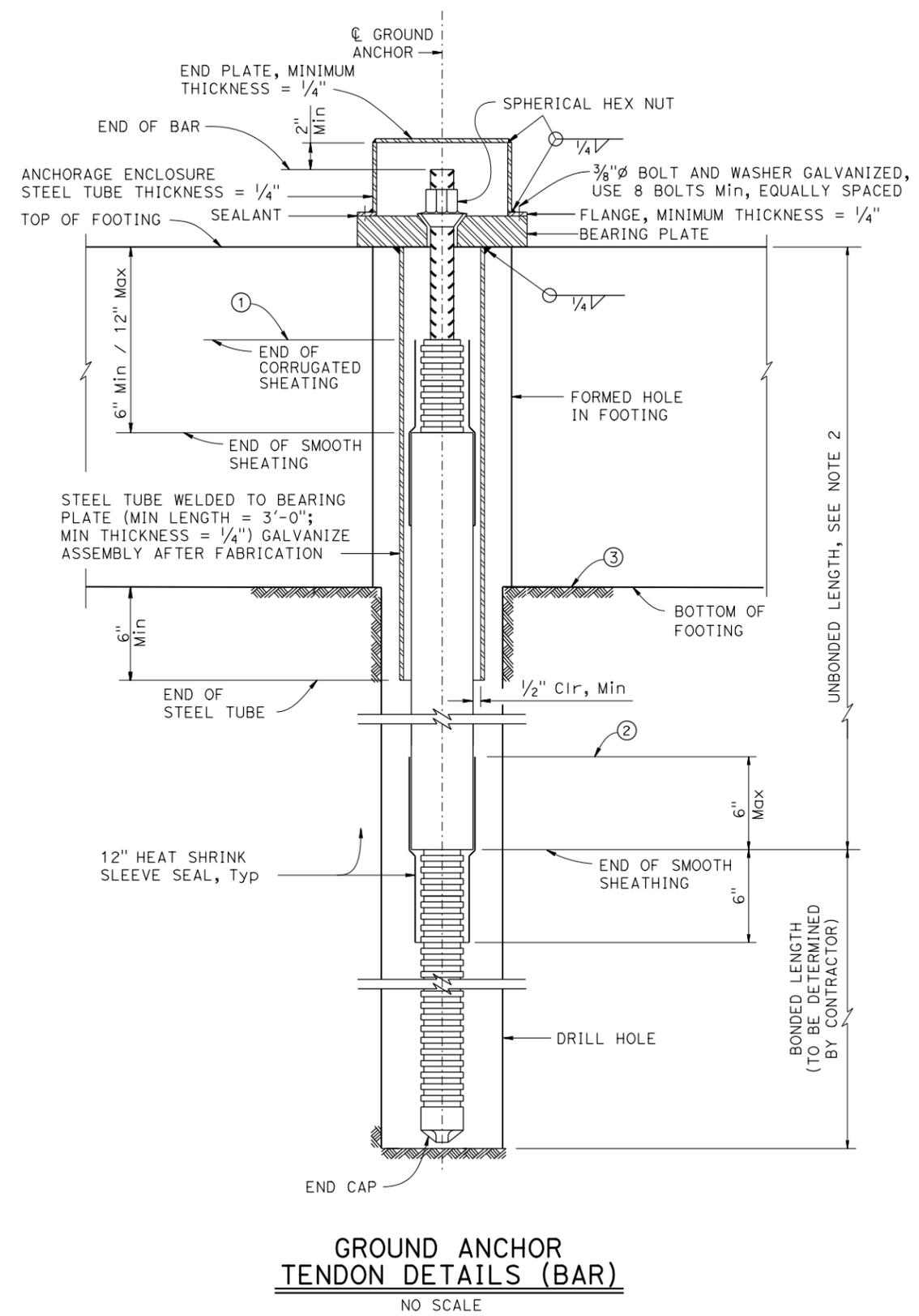
PRESTRESSING STEEL (GROUND ANCHORS):

BARS -  $f_{pu} = 150 \text{ ksi}$   
 $FTL =$  Factored test load per tendon (Kips)  
 $f_{pu} =$  Minimum tensile strength of prestressing steel (ksi)

$A_s =$  Minimum cross sectional area of prestressing steel in tendon (square inches)

$$A_s (\text{Min}) = \frac{1.0 FTL}{0.75 f_{pu}} \quad (\text{Bars})$$

- NOTES:
- Anchorage enclosure shall have provisions to allow injecting grout at low end and venting at high end. Galvanize enclosure after fabrication.
  - For unbound length, see Project Plans elsewhere.
- ① Level of initial grouting inside corrugated sheathing.  
 ② Level of initial grouting in drilled hole.  
 ③ Level of secondary grouting in drilled hole.



BRIDGE STANDARD DETAILS		
<b>xs12-030-2</b>	January 2022	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	

<b>STATE OF CALIFORNIA</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>	

<b>DIVISION OF ENGINEERING SERVICES</b>	
BRIDGE No.	XX-XXXX
POST MILE	X.X

<b>VERTICAL GROUND ANCHOR DETAILS No. 2</b>	
REVISION DATES	SHEET OF
5-28-14 12-06-21 9-28-21 10-06-21	X X