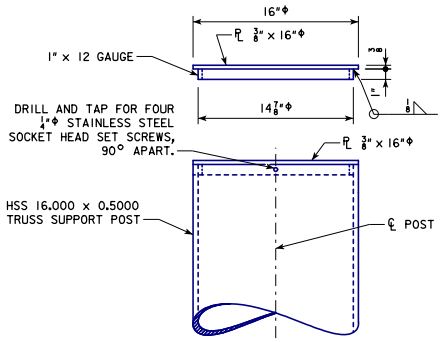
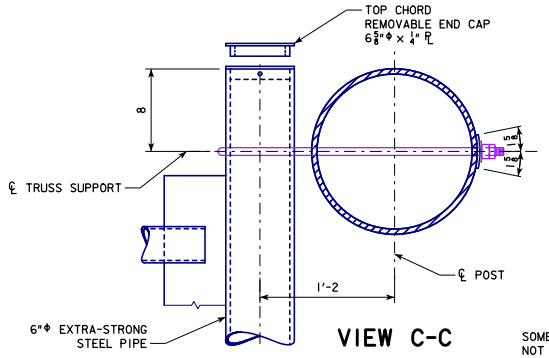
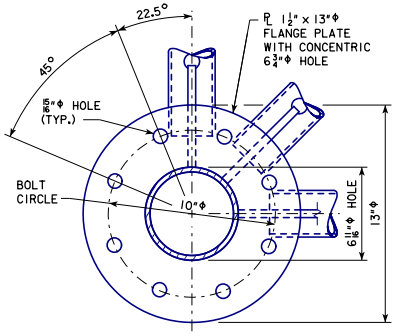


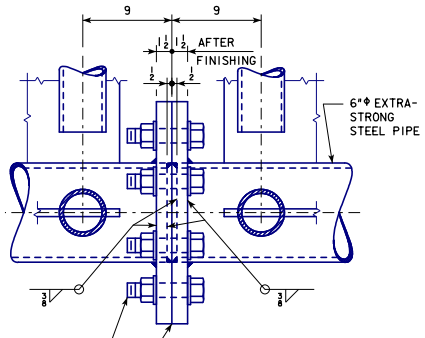
POST TOP DETAIL



VIEW C-C

SOME HIDDEN LINES NOT SHOWN FOR CLARITY



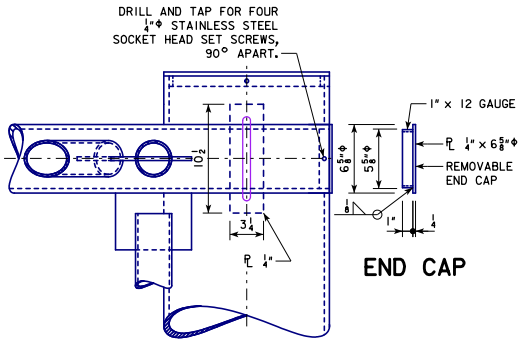


⅞"Φ × 4¾" F3125 GRADE A325 GALVANIZED BOLT WITH WASHERS AND NUT (TYP). 32 BOLTS, 64 WASHERS AND 32 NUTS REQUIRED PER TRUSS SPLICE. PROVIDE A WASHER UNDER BOLT HEAD AND EACH NUT. TENSION GALVANIZED STEEL FASTENERS BY TURN-OF-NUT METHOD.

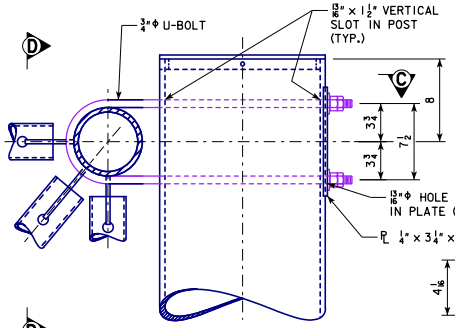
IF NECESSARY, PLANE ABUTTING FACES TO ENSURE COMPLETE CONTACT.

SECURE PROPER ALIGNMENT AFTER FINISHING, THEN WELD FLANGE PLATES TO CHORD MEMBERS.

CHORD SPLICE

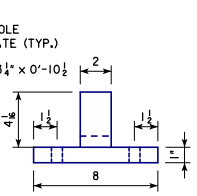


END CAP

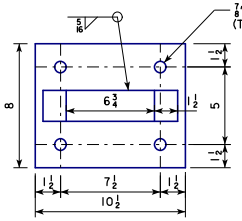


VIEW D-D

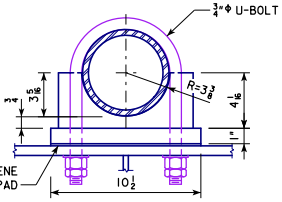
DETAIL F



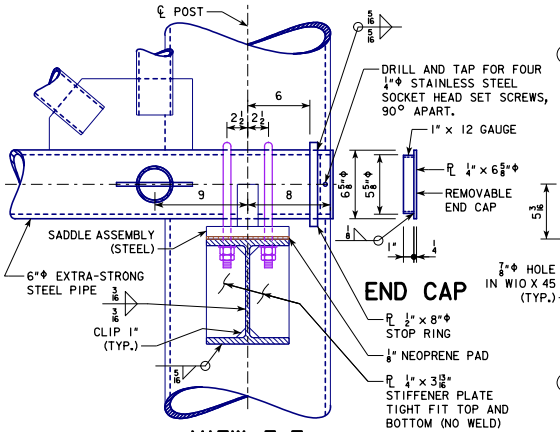
SADDLE END VIEW



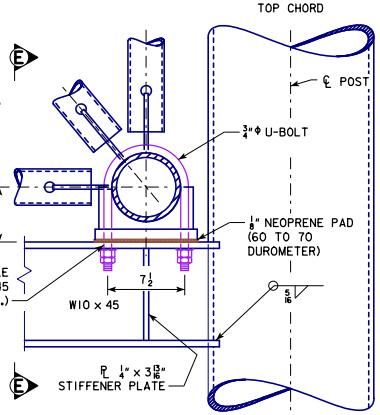
SADDLE PLAN VIEW



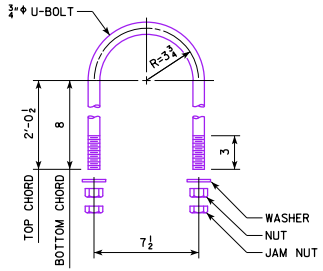
SADDLE SIDE VIEW



VIEW E-E



DETAIL G



U-BOLT DETAIL

SEE STANDARD SHEET SOST-07-11 FOR LOCATIONS OF DETAILS F AND G.

IOWADOT Highway Division

STANDARD DESIGN

STEEL OVERHEAD SIGN TRUSS

SEPTEMBER, 2011

TRUSS SUPPORT AND CHORD SPLICE DETAILS

105'-130' SPANS

SOST-10-11

03-2019 LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

- REVISED 07-2017: MODIFIED NOTES, CORRECTED DEPICTIONS OF VIEWS D-D AND E-E TO PROPERLY COINCIDE WITH DETAILS F AND G. DECREASED RADIUS OF SADDLE CUTOUT FOR TRUSS CHORD TO 3⅜" (WAS 3⅝"), CHANGED SADDLE PLAN VIEW DIMENSION 6¾" (WAS 6⅛").
- REVISED 03-2019: MODIFIED CHORD SPLICE FASTENER NOTE TO ADDRESS CHANGE IN ASTM SPECIFICATIONS. CLARIFIED ACCEPTABLE HARDNESS OF NEOPRENE PAD. UPDATED BRIDGE ENGINEER SIGNATURE.
- STEELOVERHEADSIGNTRUSS.DGN - SOST-10-11 - THIS SHEET ISSUED 09-2011.