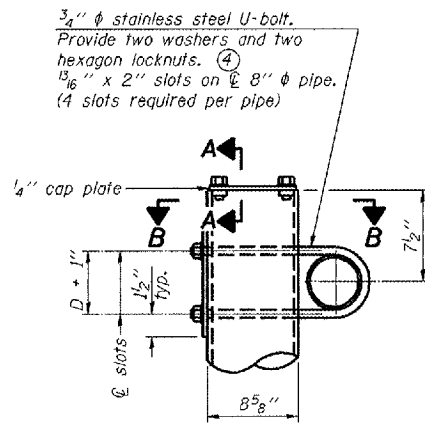
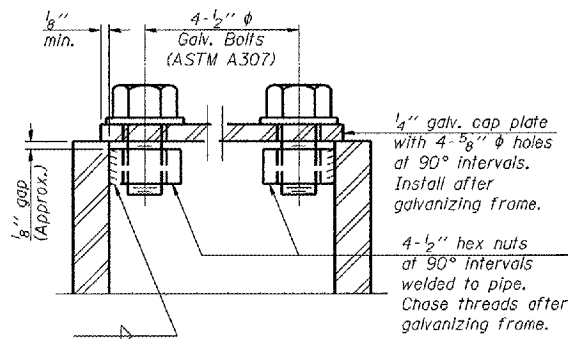


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 SIGN TRUSS REPAIR	KNOX	14	6
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

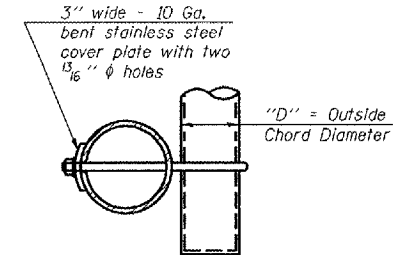


**DETAIL A**

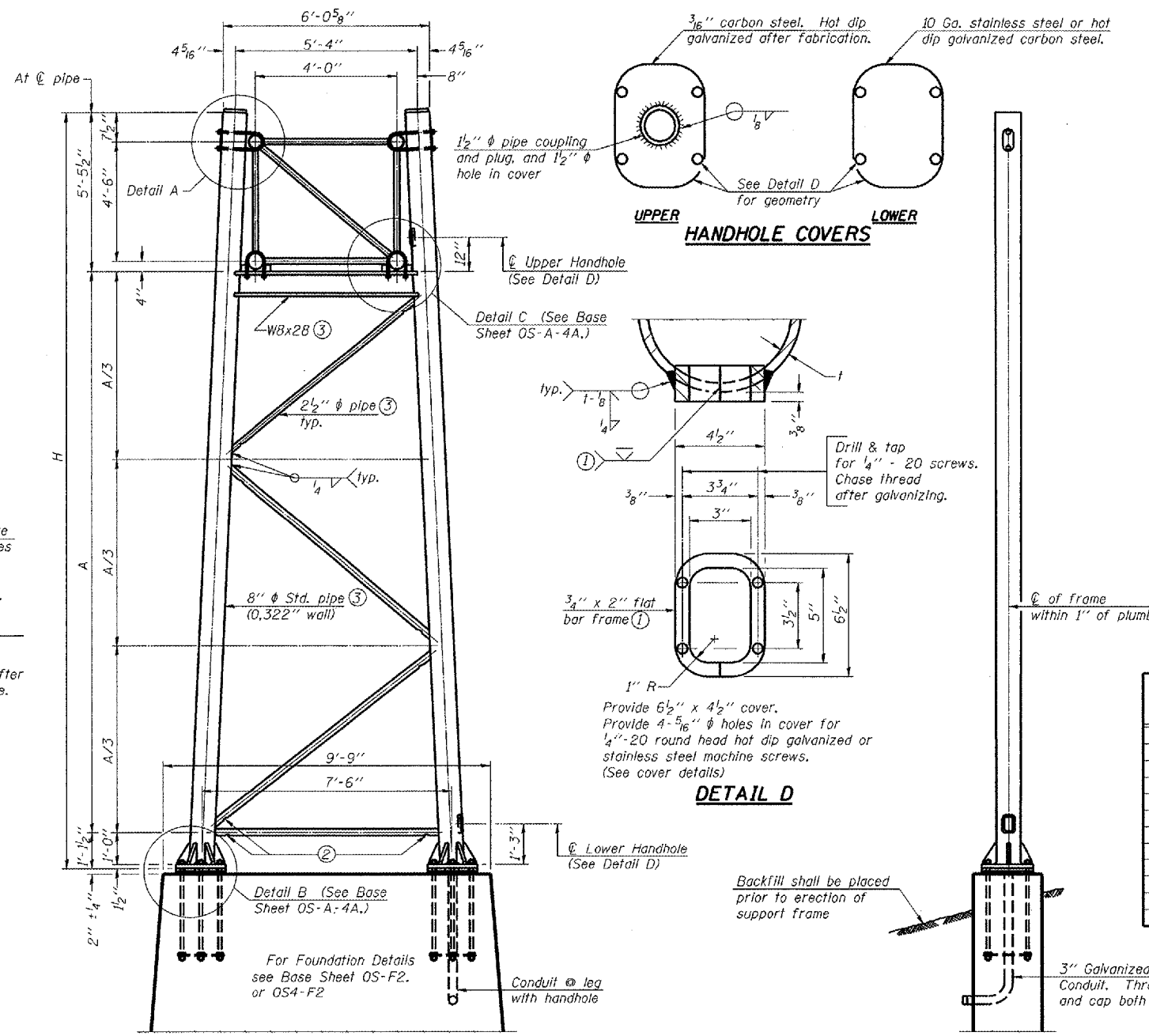


**SECTION A-A**

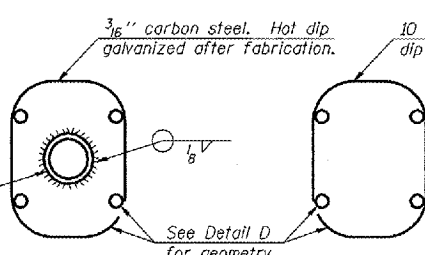
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



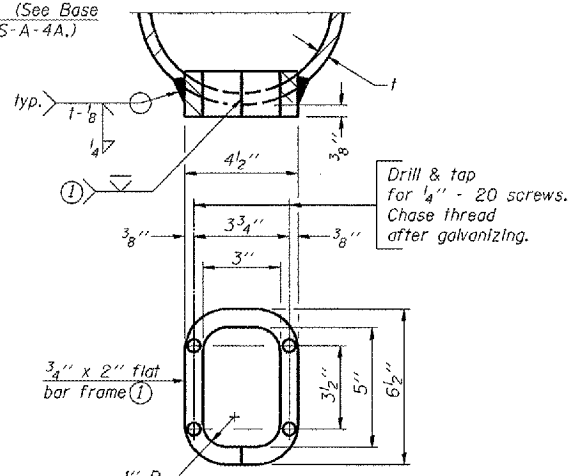
**SECTION B-B**



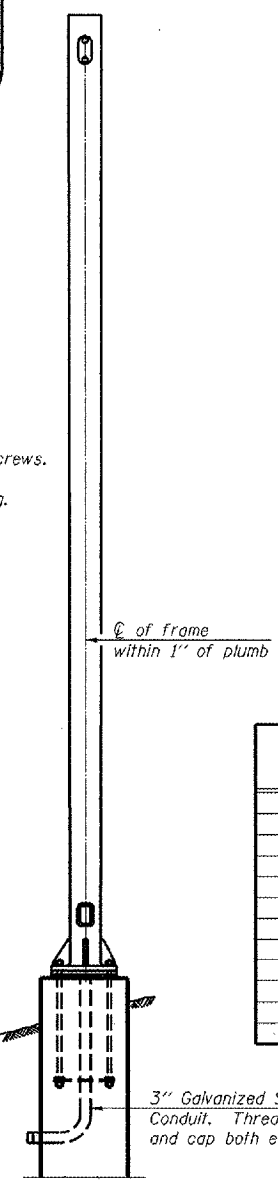
**SIDE ELEVATION**



**UPPER HANDHOLE COVERS**



**DETAIL D**



**END ELEVATION**

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.  
Load combinations checked include deadload plus:  
a) 100% wind normal to sign, 20% parallel to sign  
b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 min or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

Structure Number	Station	Support		H	A
		Left	Right		
4S048UI50L012.1	488+50	X	X	27'-0"	20'-5"

**8" Ø PIPE TRUSS SUPPORT FRAME**

NUMBER	REVISION	DATE

**OVERHEAD SIGN STRUCTURES  
SUPPORT FRAME for TYPE I-A ALUMINUM TRUSS**

STRUCTURE # 4S048UI50L012.1