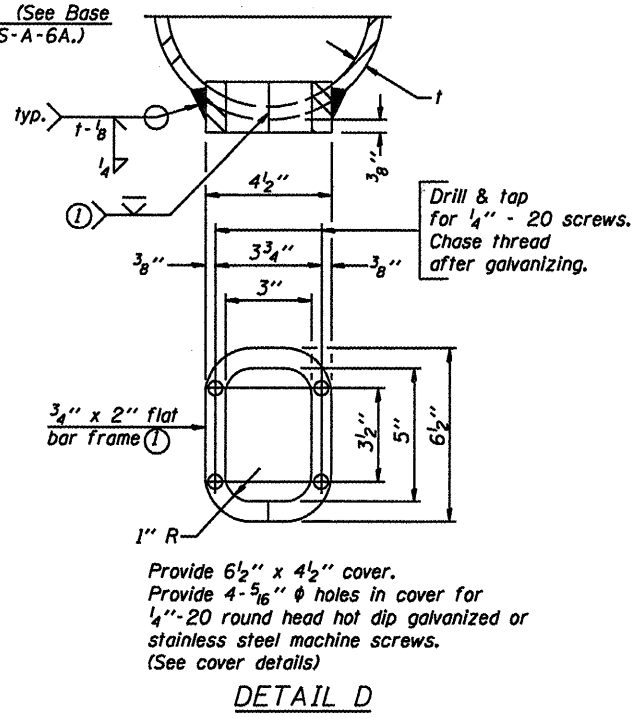
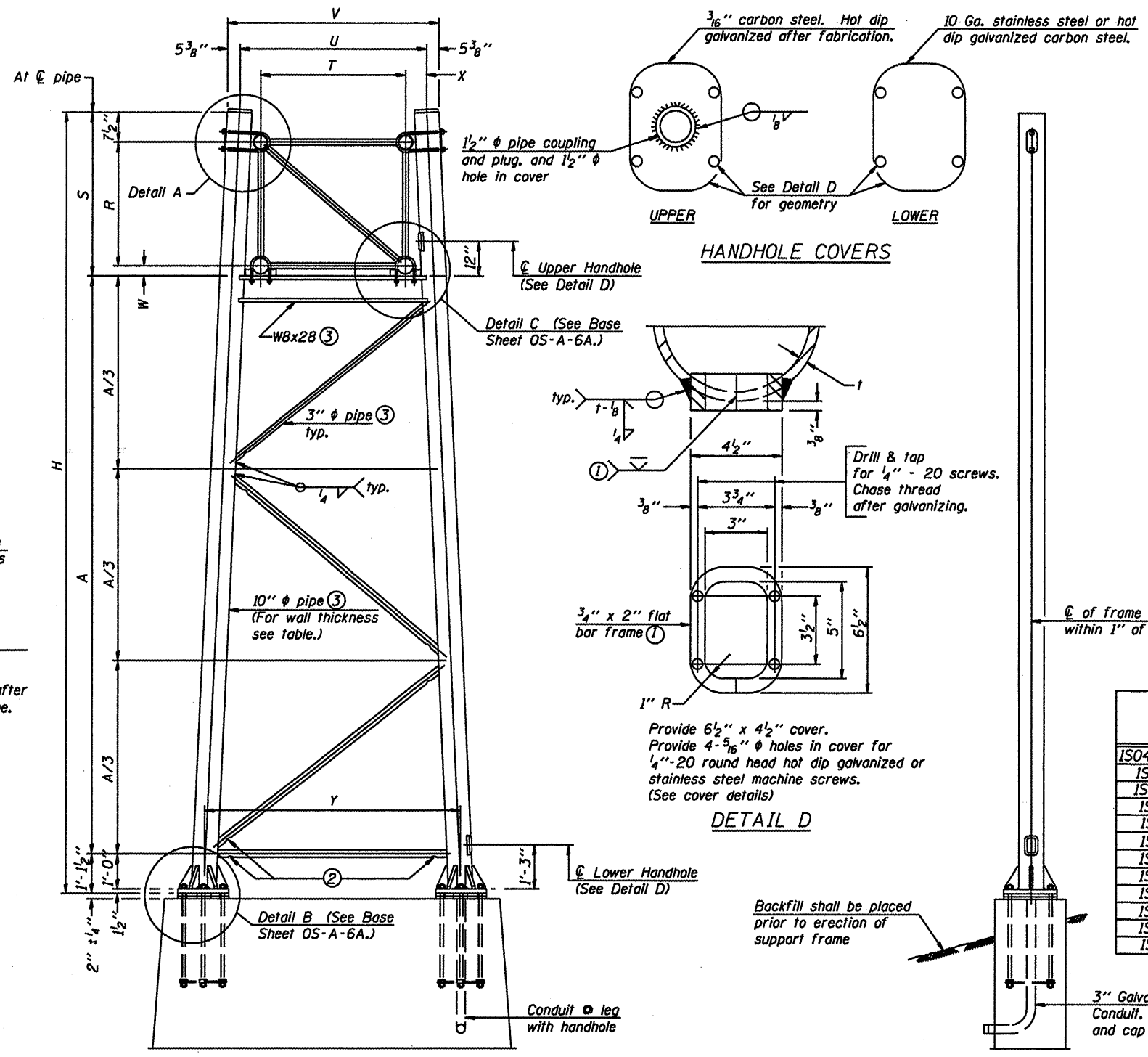
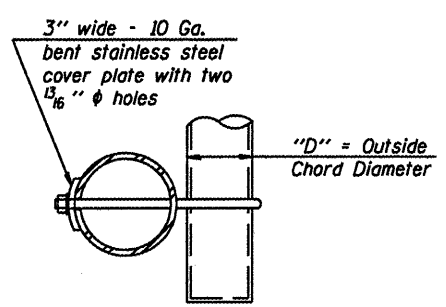


As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



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 in 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.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H ⑥	A
		Left	Right				
ISO45U030R000.0-001	98 + 90	#1					
ISO45S056L000.0	100 + 50	#1					
ISO16I057R341.9.0	229 + 20 NB	X	X	II-A	0.365(Std)	26'-6"	18'-10 1/4"
ISO16I057L342.4	257 + 00 SB	X	X	II-A	0.365(Std)	28'-0 1/4"	20'-4 1/2"
ISO16I080R153.0	1503 + 00 EB	X	X	I-A	0.279	23'-6 1/4"	16'-7 1/4"
ISO16I080R154.3	1577 + 25 EB	X	X	II-A	0.279	24'-1 1/2"	16'-7"
ISO16I094L000.0	43 + 80	#1					
ISO16I057L345.0	395 + 60 SB	X	X	III-A	0.365(Std)	28'-8 1/4"	19'-3 1/4"
ISO16I057L344.6	374 + 00 SB	X	X	III-A	0.365(Std)	28'-8 1/4"	19'-3 1/4"
ISO16I057R344.6	372 + 35 NB	X	X	II-A	0.365(Std)	28'-0 1/4"	20'-4 1/2"
ISO16I057R345.0	390 + 20 NB	X	X	III-A	0.365(Std)	28'-8 1/4"	19'-3 1/4"
ISO16I080R153.0	1503 + 00 EB	X	X	I-A	0.279	23'-6"	16'-7 1/2"

#1. Existing End Support Details are not available. The H and A dimensions shown were taken from the existing end support details. The Contractor and the Resident Engineer shall field verify all dimensions prior to fabrication of the end supports.

For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

NUMBER	REVISION	DATE

NUMBER	REVISION	DATE

**10" φ PIPE TRUSS SUPPORT FRAME**

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A ⑤	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

**OVERHEAD SIGN STRUCTURES  
 SUPPORT FRAME for ALUMINUM TRUSS**

District 1  
 Sign Structure  
 Repair and Replacement