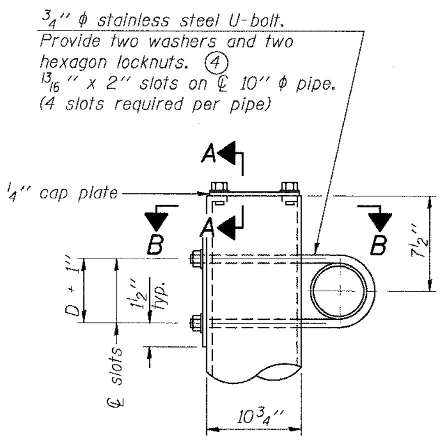
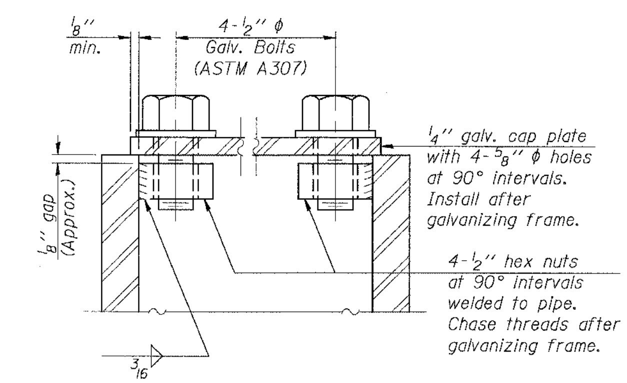
CONTRACT NO. 60A70

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2005-062 I	WILL	72	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

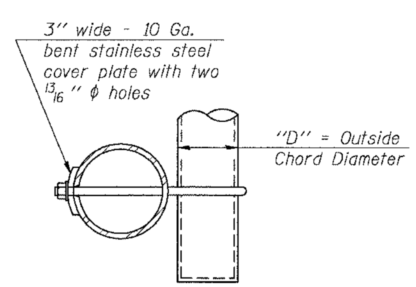


DETAIL A

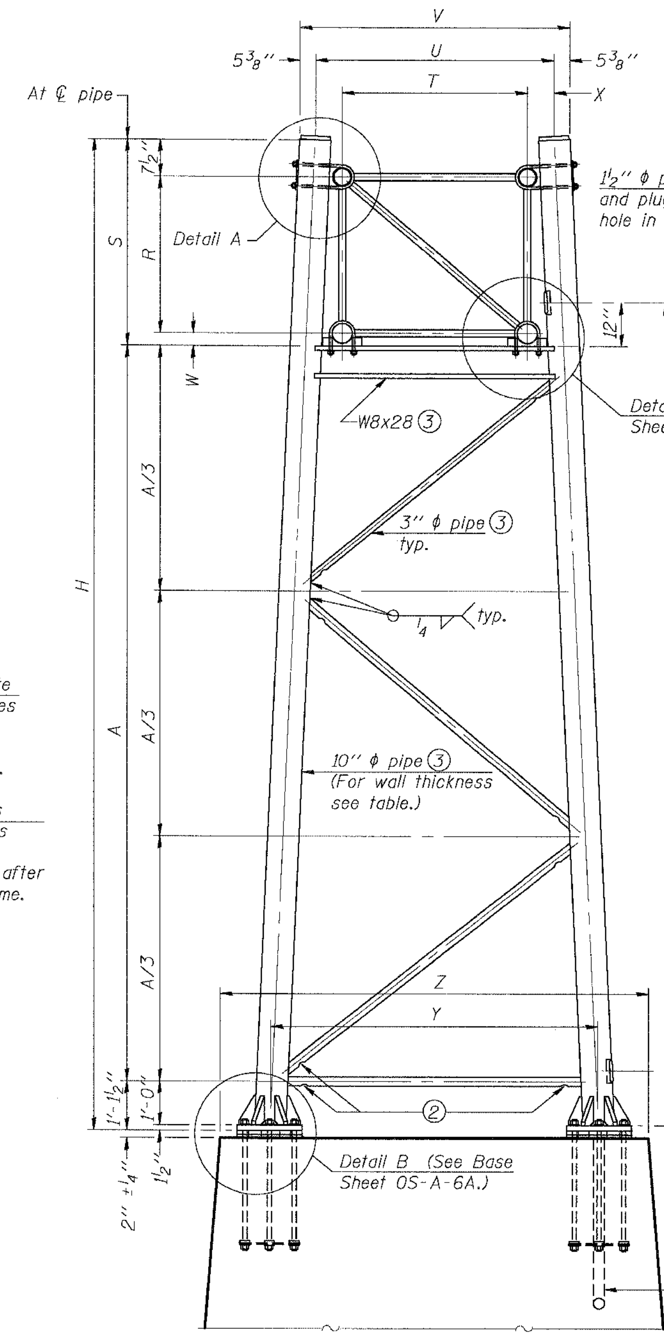


SECTION A-A

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

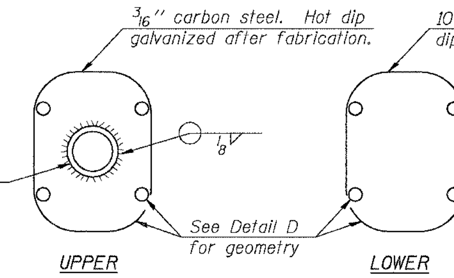


SECTION B-B

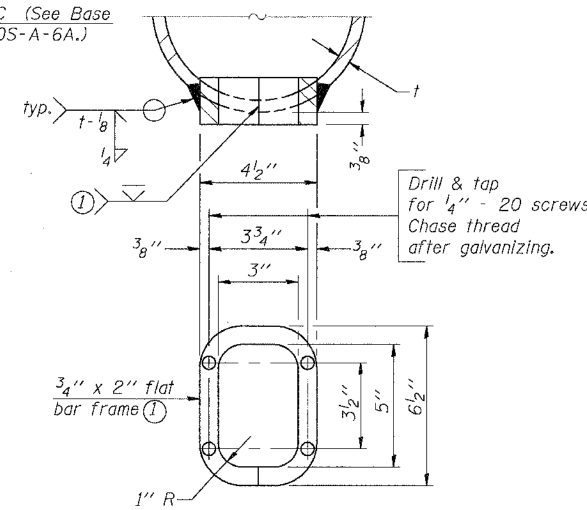


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

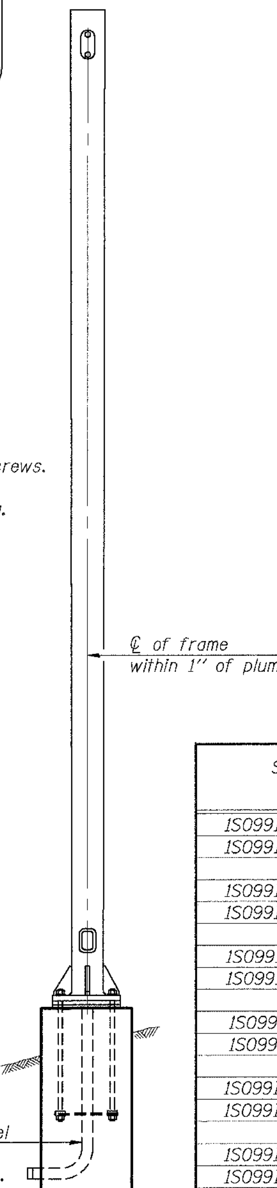


HANDHOLE COVERS



Provide 6 1/2" x 4 1/2" cover. Provide 4-5/16" ϕ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws. (See cover details)

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 microinches 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		Truss Type	Pipe Wall Thickness	H	A
		Left	Right				
1S099I055R249.90	189+70	X		II-A	0.365	23'-6"	16'-1 1/4"
1S099I055R249.90	189+70		X	II-A	0.365	26'-11"	19'-6 1/4"
1S099I055L250.67	229+76	X		I-A	0.279	24'-5"	17'-10"
1S099I055L250.67	229+76		X	I-A	0.279	26'-7"	20'-0"
1S099I055R251.02	248+22	X		I-A	0.279	25'-11 1/2"	19'-4 1/2"
1S099I055R251.02	248+22		X	I-A	0.279	28'-8 1/2"	22'-1 1/2"
1S099I055L251.17	256+26	X		I-A	0.279	24'-3 1/2"	17'-8 1/2"
1S099I055L251.17	256+26		X	I-A	0.279	26'-9 1/2"	20'-2 1/2"
1S099I055R252.64	333+75	X		I-A	0.279	24'-10"	18'-3"
1S099I055R252.64	333+75		X	I-A	0.279	30'-7 1/2"	24'-0 1/2"
1S099I055L253.03	354+55	X		I-A	0.279	24'-11 1/2"	18'-4 1/2"
1S099I055L253.03	354+55		X	I-A	0.279	28'-9"	22'-2"

10" ϕ PIPE TRUSS SUPPORT FRAME

Truss Type	Dimensions								
	R	S	T	U	V	W	X	Y	Z
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"	10'-9"
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"	10'-9"

NUMBER	REVISION	DATE

SHT. S-5 OF 27

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (I-80 TO U.S. 30)
SIGNING
WILL COUNTY

OVERHEAD SIGN STRUCTURES SUPPORT FRAME FOR ALUMINUM TRUSS

SCALE: DRAWN BY MDB
DATE 05/19/06 CHECKED BY MJK

TENG — TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS

OS-A-6 1-7-05

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$