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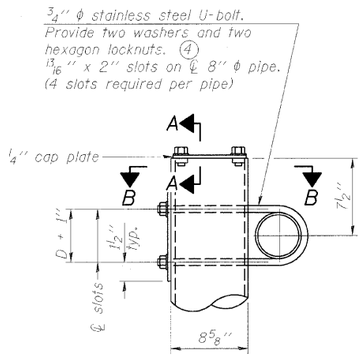
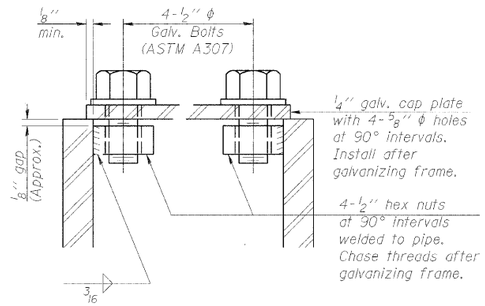
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	251
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

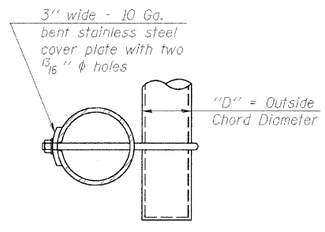


DETAIL A

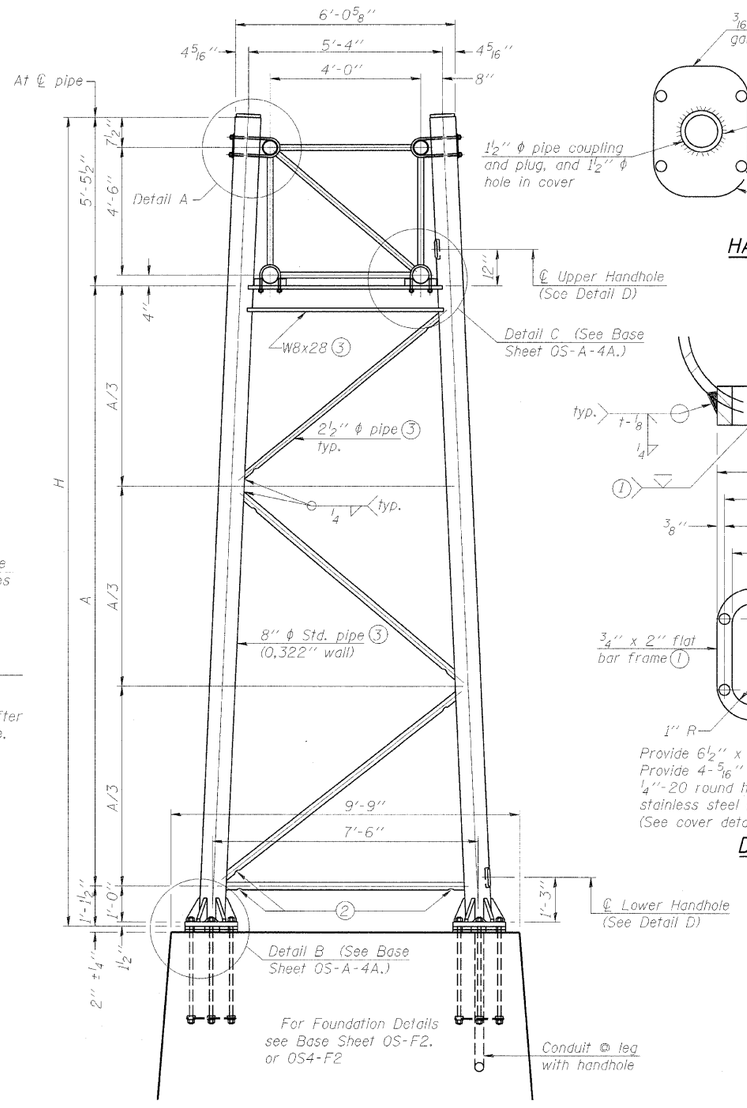


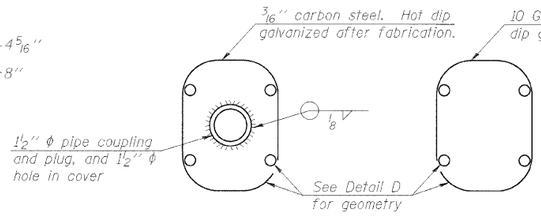
SECTION A-A

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

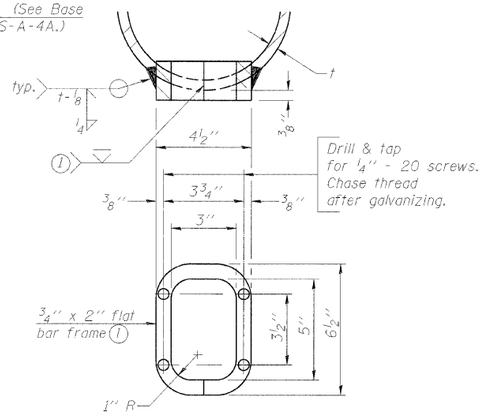


SECTION B-B



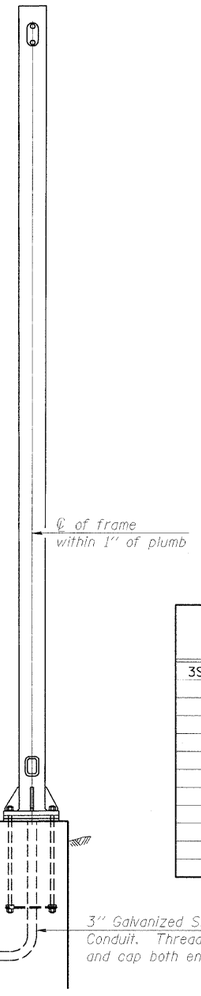


HANDHOLE COVERS



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



8" ϕ PIPE TRUSS SUPPORT 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 μin 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 Left	Support Right	H (6)	A
3S050108OL081.2	897+75	✓	✓	28'-0"	21'-5"

NUMBER	REVISION	DATE

SIGNING SHEET 20 OF 25

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE I-A ALUMINUM TRUSS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/17/07

MODEL NAME = PW OS-A-4
PLOT DATE = 12/23/2009
FILE NAME = C:\Pw_Exports\C-150SOA.dgn
PLOT SCALE = 1.000 ' / in.
USER NAME = Johna26744

OS-A-4 6/01/2007