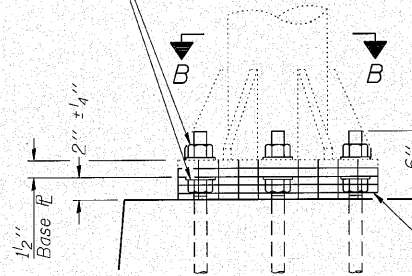


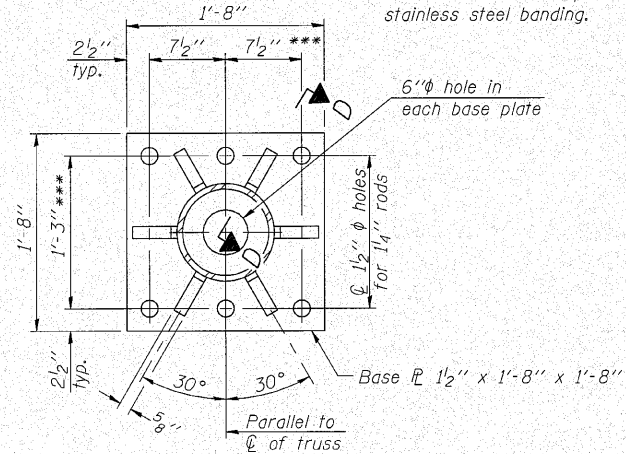
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



DETAIL B

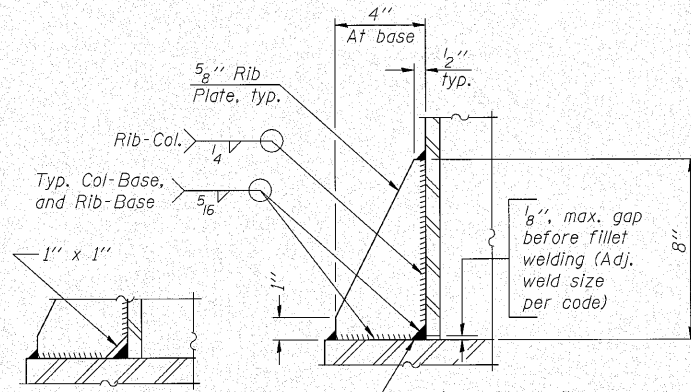
Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.



SECTION B-B
Existing

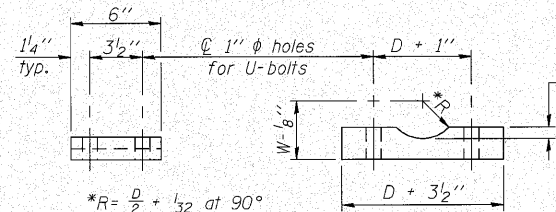
*** Verify existing dimensions. Holes in positioning plates and anchor plates shall match existing hole spacing.



SECTION D-D
Existing

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

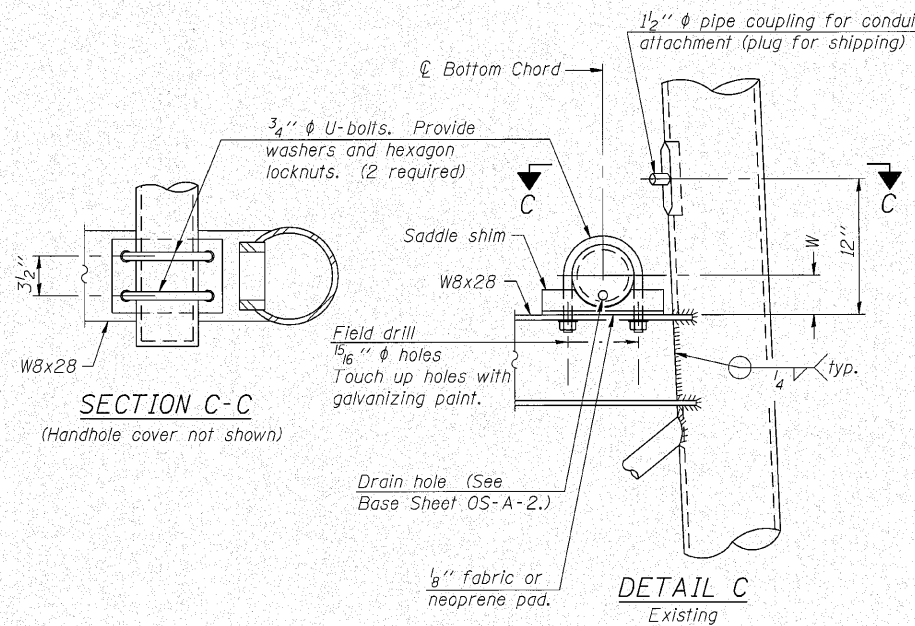
No snip req'd. at rib inside corner if placed before col. to base plate welding.



SADDLE SHIM DETAIL

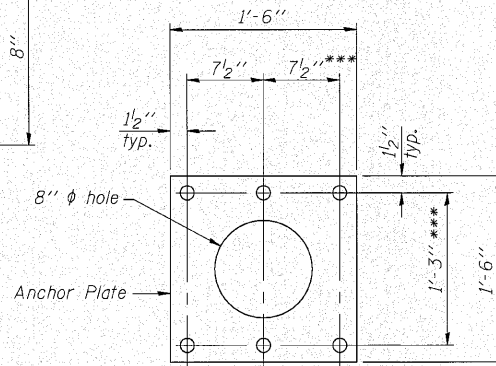
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)
Existing

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"

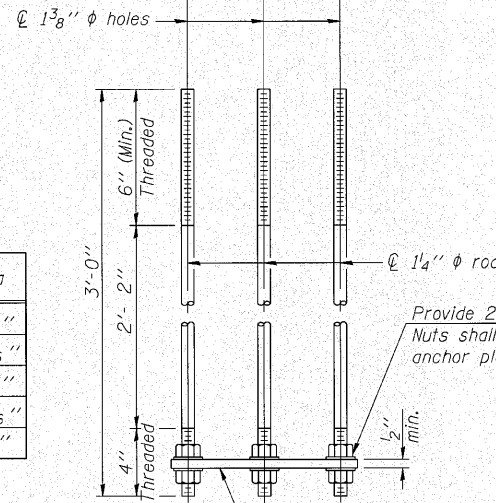


SECTION C-C
(Handhole cover not shown)

DETAIL C
Existing



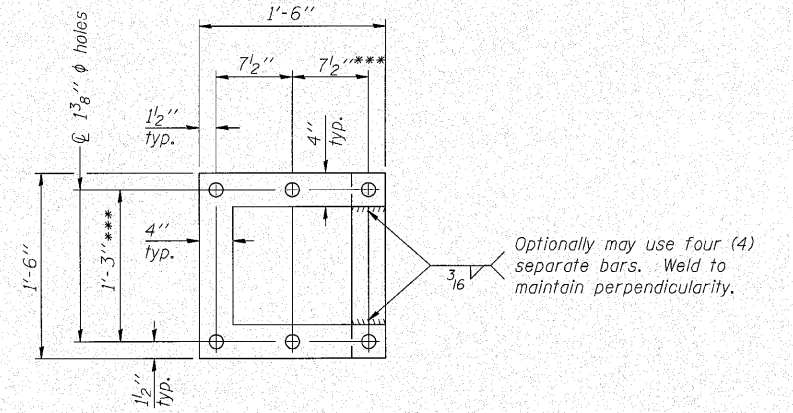
Anchor Plate



ANCHOR ROD DETAIL
Spread Footing Foundation

All Thread = NC (National Coarse)

Provide 2 uncoated nuts per rod. Nuts shall be "snug tight" against anchor plate.

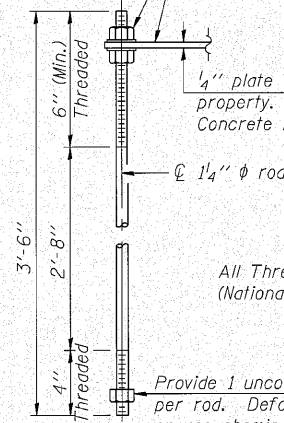


POSITIONING PLATE(S)

Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

1/4" plate and extra nuts become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.



ANCHOR ROD DETAIL
Drilled Shaft Foundation

All Thread = NC (National Coarse)

Provide 1 uncoated nut per rod. Deform thread or use chemical thread lock to secure.

Anchor rods shall conform to AASHTO M314 Grade 36 or 50 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.

TYPE II-A TRUSS
10" Ø PIPE SUPPORT FRAME DETAILS
(Sta. 795+35)

OS-A-6A

7-1-10

FILE NAME =	USER NAME = mthomas	DESIGNED - AMK	REVISED -
CONSULTING ENGINEERS	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SAT	REVISED -	
PLOT DATE = 10/27/2010	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS - ALUMINUM TRUSS

SHEET NO. 2 OF 9 SHEETS

F.A.I. RTE. 80	SECTION 99-5-Y	COUNTY WILL	TOTAL SHEETS 276	SHEET NO. 137
			CONTRACT NO. 60147	
ILLINOIS FED. AID PROJECT				

C:\p\proj\13084\2.wps\design\structure\Overhead Sign Structure - Span\3384 1-80W 02 OS-A-6A.dgn