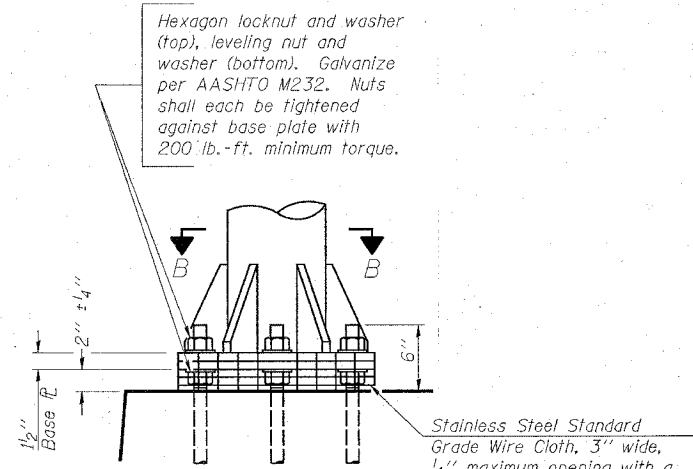


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

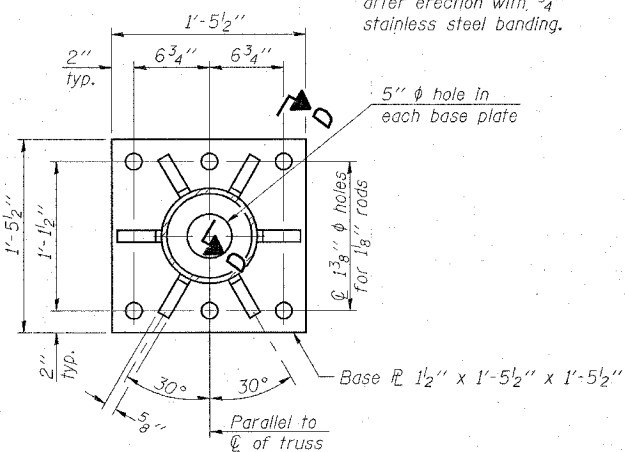
SHEET 6  
OF 10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(10,1)RS	MADISON	156	133
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76857				

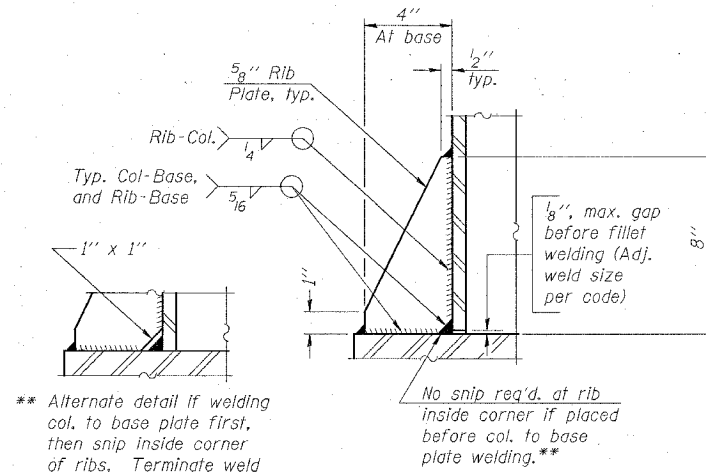


**DETAIL B**

Ribs shall be cut to fit slope of pipe.

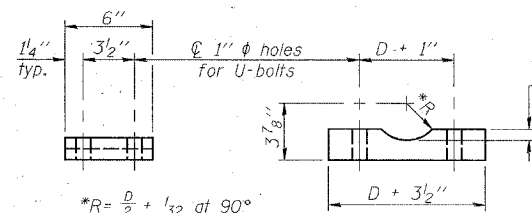


**SECTION B-B**



**SECTION D-D**

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

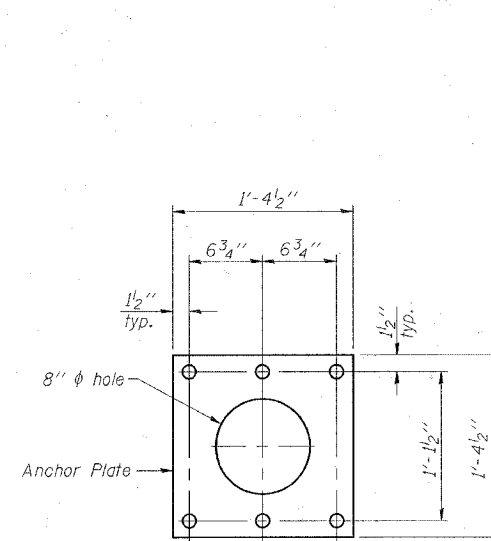


\*R =  $\frac{D}{2} + \frac{1}{32}$  at 90°  
D = Outside Diameter of Chord.

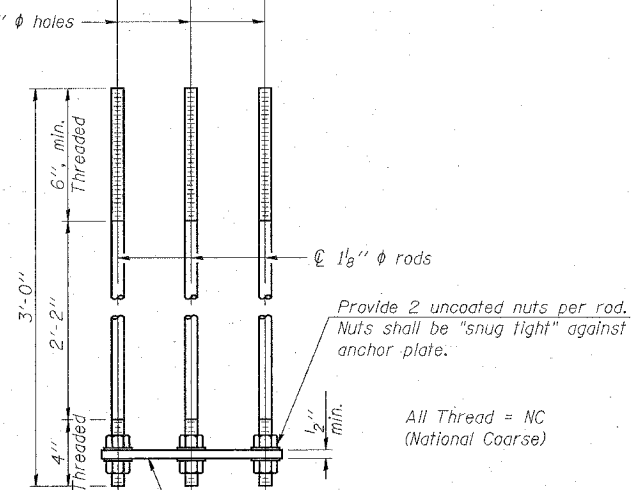
**SADDLE SHIM DETAIL**

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

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



**ANCHOR ROD DETAIL**  
Spread Footing Foundation



**ANCHOR ROD DETAIL**  
Drilled Shaft Foundation

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.

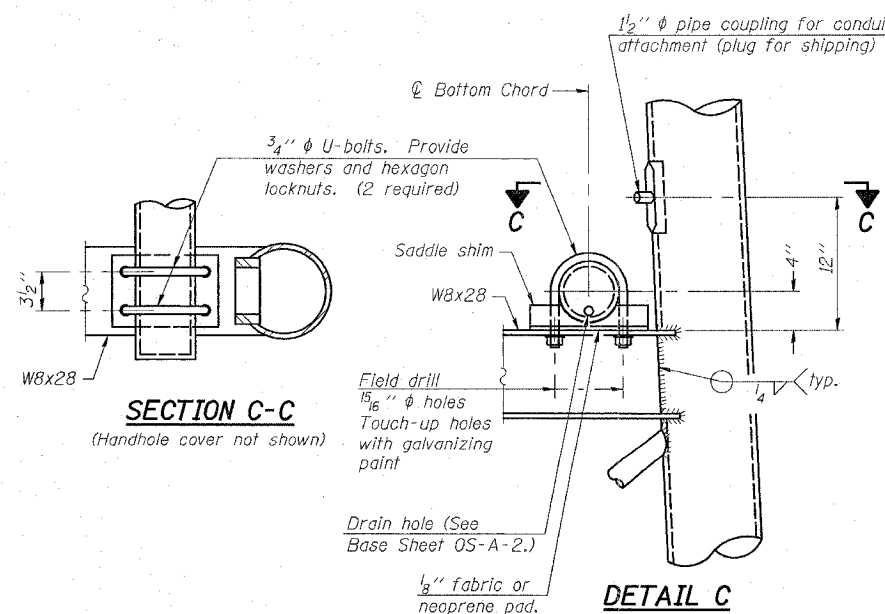
1/4" plate and extra nuts become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

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 55 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 I-A TRUSS**  
8"  $\phi$  PIPE SUPPORT FRAME DETAILS



**DETAIL C**

NUMBER	REVISION	DATE

<b>JD</b> Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	
DESIGNED: CDB	DRAWN: SJS
CHECKED: DCD	CHECKED: CDB/DCD

OS-A-4A 7/01/2006

OVERHEAD SIGN STRUCTURES  
SUPPORT FRAME DETAILS ALUMINUM TRUSS

FAI ROUTE 70  
SECTION 60-(10,1)RS  
MADISON COUNTY

FILE: #FILE#  
USER: #USER#  
DATE: #DATE#