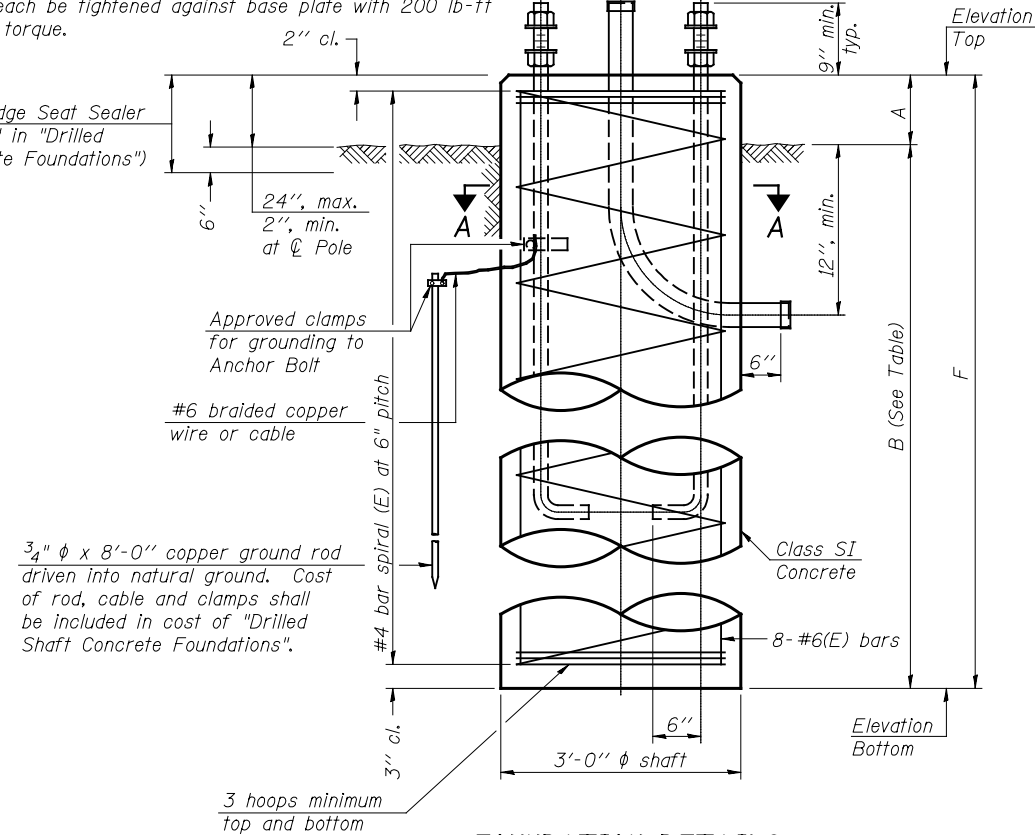


Ø anchor rod. Thread upper 8". Galvanize upper 19" per AASHTO M232. Provide one hexagon locknut and washer (top) and one leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb-ft torque.

Ø 3" Ø galvanized steel conduit. Thread and cap both ends.

Limits of Bridge Seat Sealer (Cost included in "Drilled Shaft Concrete Foundations")



Span (Ft.)	B (Ft.)
Span ≤ 65	12
65 < Span ≤ 85	13
85 < Span ≤ 100	14

**FOUNDATIONS:**

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

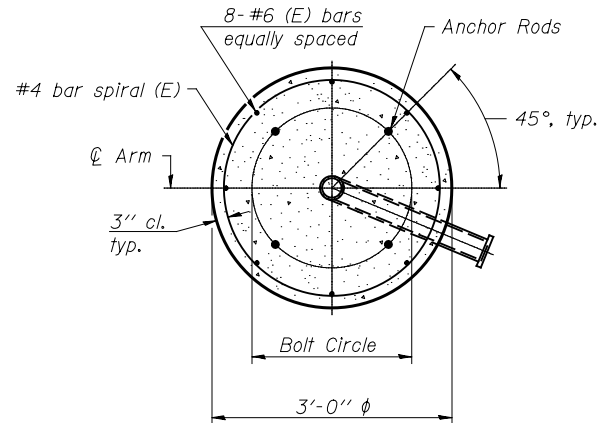
No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

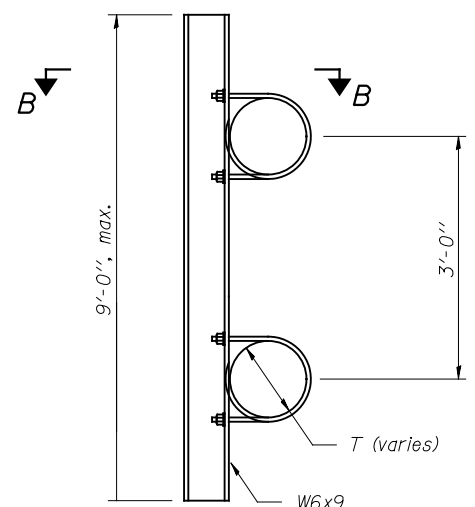
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

**FOUNDATION DETAILS**

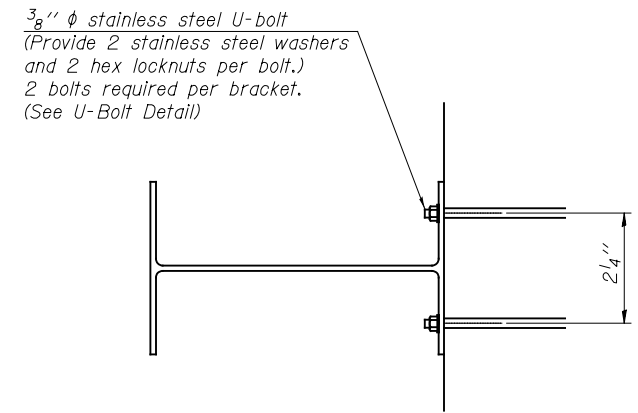
Typical, except conduit may only be required at one foundation. Provide conduit openings both poles.



**SECTION A-A**

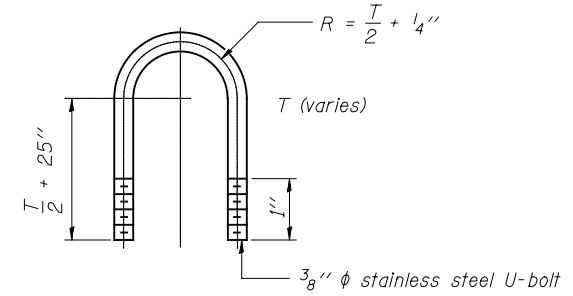


**SIGN MOUNTING BRACKET**



**SECTION B-B**

6'-0" maximum spacing.  
2'-0" maximum sign overhang beyond end bracket.



**U-BOLT DETAIL (Typical)**

DUALTUBE - 2 6-1-12

PATRICK ENGINEERING INC.  
4970 VARSITY DRIVE  
LISLE, IL 60532  
patrickengineering.com

USER NAME =	DESIGNED - CPK	REVISED
DRAWN - MJP	REVISIONS	
PLOT SCALE =	CHECKED - JAH	REVISED
PLOT DATE =	DATE - 2/18/2013	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FOUNDATION AND DETAILS  
DUAL MONOTUBE SIGN STRUCTURE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	148
CONTRACT NO. 60J14			ILLINOIS FED. AID PROJECT	

Q:\IDOT\21850\_006\_CumberlandAve\Drawings\CADD Sheets\0160J14-shr-sign-OHDT2.dgn