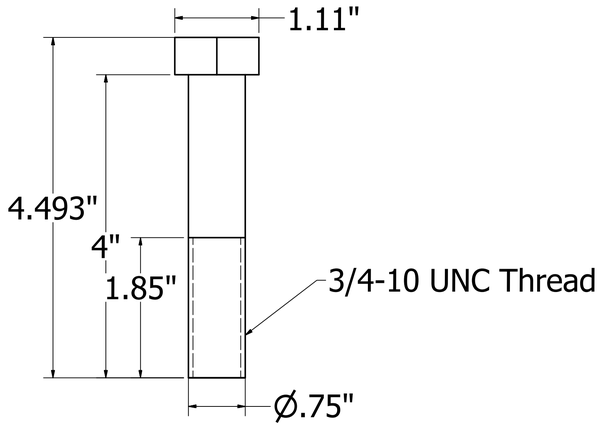
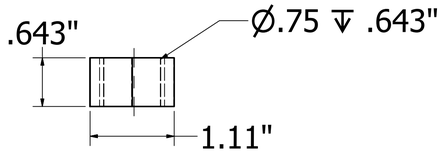
Do Not Scale

Torque Strength Rating - 9,281 Ft-Lbs
Ultimate Capacity (Tension/Compression) - 83.53 Kip
* Based On A Torque Factor (Kt)=9

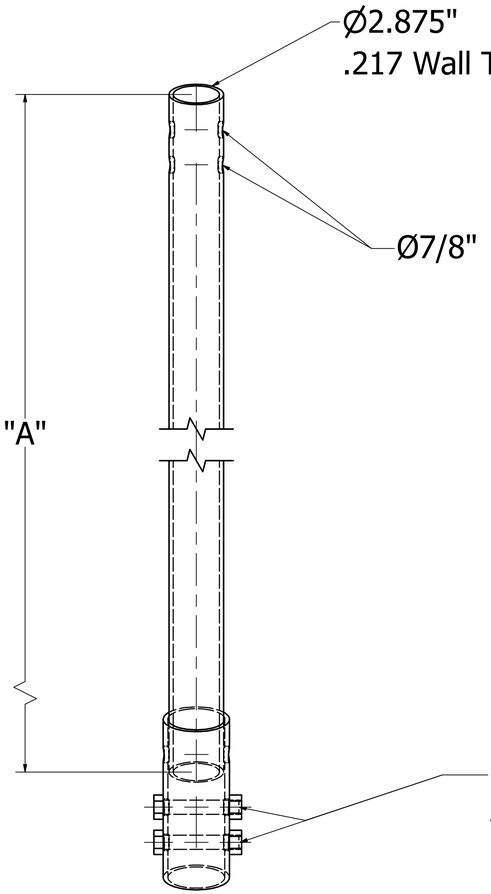
Extensions



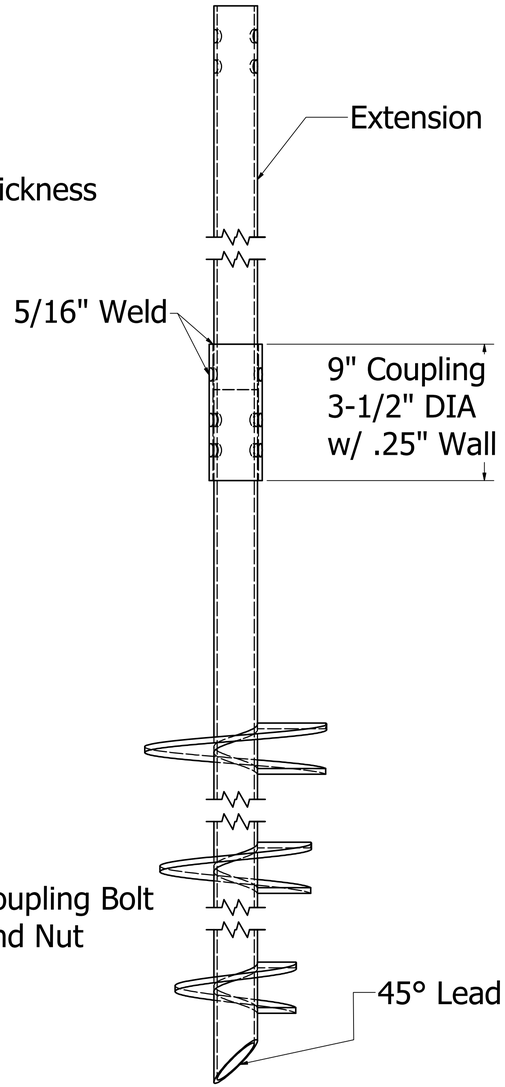
Extension
3/4x4 Bolt



Extension
3/4 Nut



Extension



Typical Pier
Assembly

Extension	
Part NO.	"A"
E3	36"
E5	60"
E7	84"

-NOTES-

1. Hot-dipped galvanized in accordance with ASTM A123.
2. New Construction Bracket, Repair Bracket, Shaft Coupler, Lead Shafts, and Extensions have a nominal wall thickness.
3. Helical pile lead Shafts and Extensions Are carbon steel piles that conform to API 5 CT L80. Minimum yield strength=80 KSI
4. Shaft couplers are carbon steel pipes that conform to API 5 CT L80. Minimum yield strength= 80 KSI
5. Helix plates are carbon steel plates conforming to ASTM A572, Grade 50. Minimum yield strength=68 KSI.
6. Nominal spacing between helical plates is three times the diameter of the preceding helix plate.
7. Coupling bolts: ¾" diameter X 4" long Hex Bolt conforming to SAE J429 Grade 8 with matching hex nuts conforming to SAE J995 Grade 8.
8. 2000 Helical Design & Manufacturing has industry recognized written quality control for all incoming materials, and manufacturing processes.
9. All welding to be done by welders certified under Section 4 of the AWS D1.1/D1, 1M Structural Welding Code-Steel.

2000 HELICAL DESIGN & MANUFACTURING

2000 HELICAL DESIGN AND MANUFACTURING

E3, E5, E7 - Extensions

DATE	DRAWN BY	DWG NO.	REV
7/20/2017	AK	HDM-E357	-