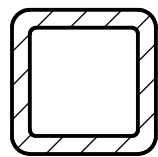
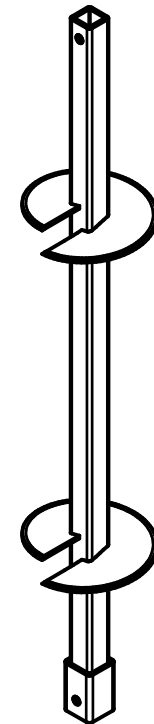
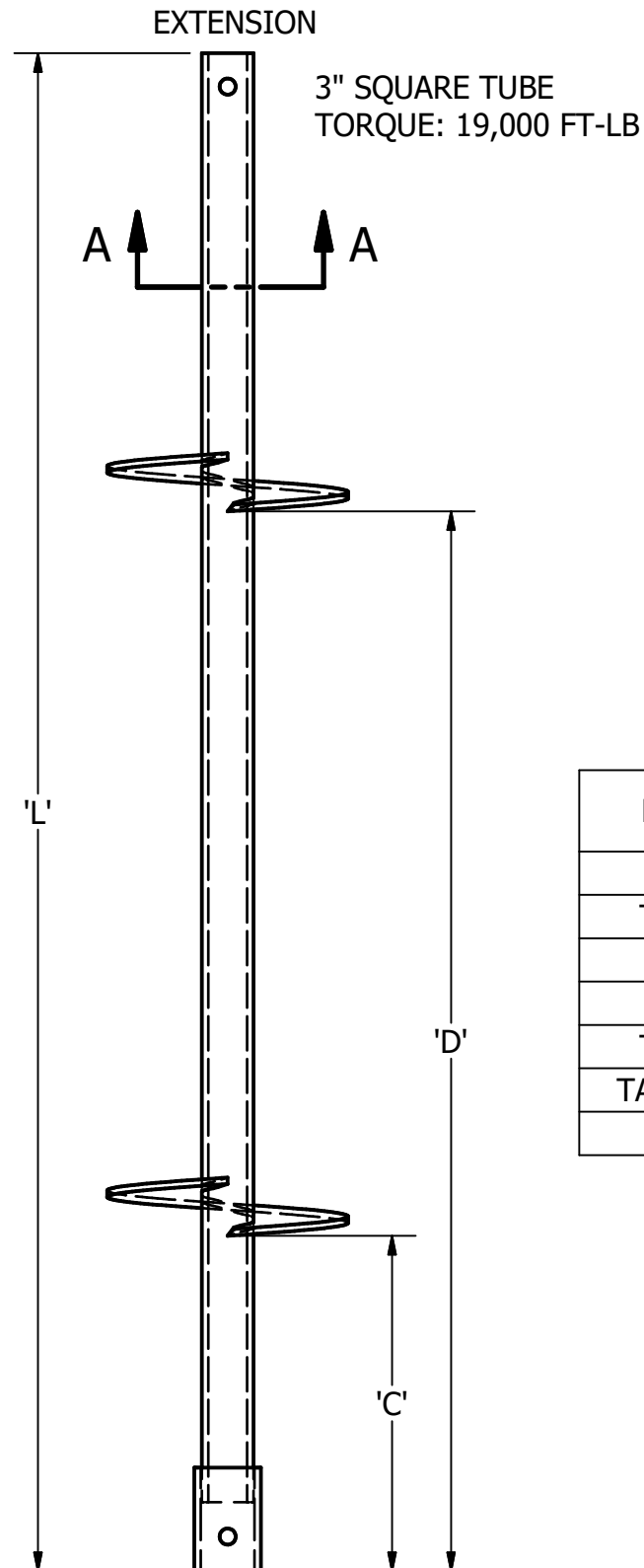


**\*\* NOTES \*\***

1. HOT DIP GALVANIZED PER ASTM A123 GRADE 75 (LATEST REV)
2. PIPE SHAFT MATERIAL PER ASTM A500 GRADE B MIN YIELD 50 KSI
3. HELIX SHALL BE MADE OF ASTM A572 GRADE 50 OR 80
4. COUPLING BOLTS: 3/4"Ø X 5-1/2" LONG HEX HEAD PER SAE J429 GRADE 8
5. ADD "NH" TO THE END OF THE CATALOG NUMBER FOR EXTENSIONS WITH NO HARDWARE INCLUDED FOR COUPLING
6. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES
7. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1
8. ADD 'H' TO FRONT OF CATALOG NUMBER FOR 1/2" THICK HELICES

# HELICAL PILES



**SECTION A-A  
SCALE 1/4**

DESCRIPTION	IMPERIAL	METRIC
SHAFT SIZE	3 IN	76.2 mm
WALL THICKNESS	0.375 IN	9.525 mm
MOMENT OF INERTIA (I)*	4.6143 IN	1.92x10 <sup>6</sup> mm
SHAFT AREA (A)*	3.9375 IN	2540.32 mm
SECTION MODULUS (SX-X)*	3.4607 IN	56710.6 mm
MAX TORQUE	19,000 FT.LBS	25,760.5 Nm
ULTIMATE CAPACITY (COMP.)	165,000 LBS.	74,842.7 kg

PART NUMBER	DESCRIPTION	'L'	'A'	'B'	'C'	'D'
TAE-30S-42	42" EXTENSION	46				
TAE-30S-42-14	42" EXTENSION W/ 3/8" x 14" HELICAL	46	14		19-7/16	
TAE-30S-60	60" EXTENSION	64				
TAE-30S-84	84" EXTENSION	88				
TAE-30S-84-14	84" EXTENSION W/ 3/8" x 14" HELICAL	88	14		19-7/16	
TAE-30S-84-14-14	84" EXTENSION W/ 3/8" x 14"/14" HELICAL	88	14	14	19-7/16	61-7/16
TAE-30S-120	120" EXTENSION	124				

	<b>Earth Contact Products</b>			
	TITLE HELICAL PILES TAE-30S			
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	DO NOT SCALE THIS DRAWING	DRN BY GDR	DATE 2/20/25	SHEET 1 OF 1