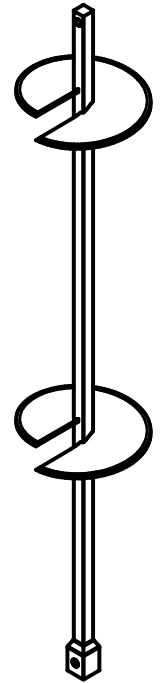
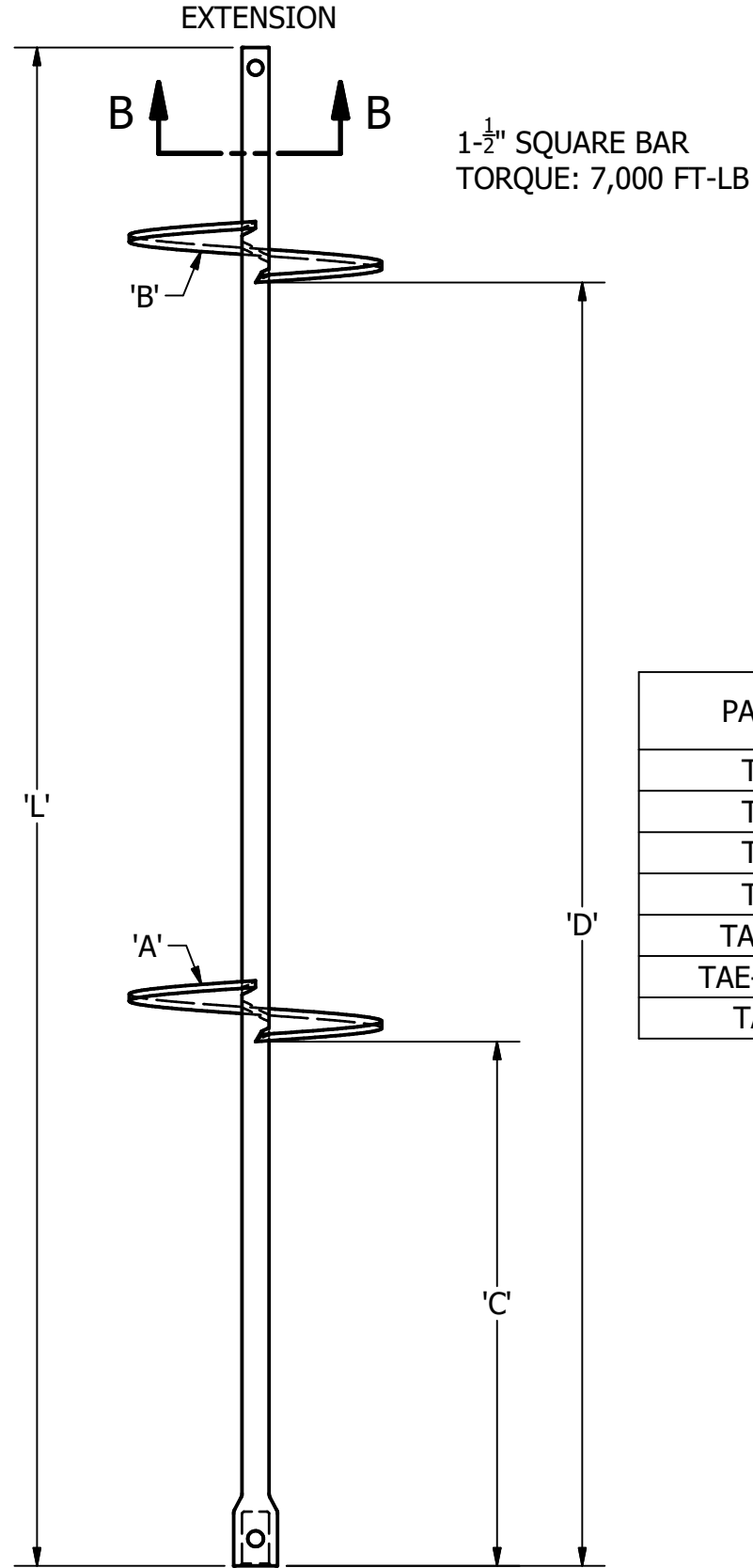


**\*\* NOTES \*\***

1. HOT DIP GALVANIZED PER ASTM A123 GR100 (LATEST REV)
2. SHAFT MATERIAL HOT ROLLED ROUND CORNER SQUARE SOLID BARS PER ASTM A29; MIN YIELD 90 KSI
3. HELIX SHALL BE MADE OF ASTM A572 GRADE 50 OR 80
4. COUPLING BOLTS: 3/4"Ø X 3" LONG HEX HEAD PER SAE J429 GR 8
5. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES
6. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1
7. ADD 'H' TO FRONT OF CATALOG NUMBER FOR 1/2" THICK HELICES
8. ICC-ESR-3559

# HELICAL PILES



**SECTION B-B  
SCALE 1/4**

PART NUMBER	DESCRIPTION	'L'	'A'	'B'	'C'	'D'
TAE-150-36	36" EXTENSION	36				
TAE-150-42	42" EXTENSION	42				
TAE-150-60	60" EXTENSION	60				
TAE-150-84	84" EXTENSION	84				
TAE-150-84-14	84" EXTENSION W/ 3/8" x 14" HELICAL	84	14		29	
TAE-150-84-14-14	84" EXTENSION W/ 3/8" x 14"/14" HELICAL	84	14	14	29	72
TAE-150-120	120" EXTENSION	120				

DESCRIPTION	IMPERIAL	METRIC
SHAFT SIZE	1.5 IN	38.1 mm
MOMENT OF INERTIA (I)*	0.421875 IN <sup>4</sup>	1.76x10 <sup>5</sup> mm <sup>4</sup>
SHAFT AREA (A)*	2.2 IN <sup>2</sup>	1419.35 mm <sup>2</sup>
SECTION MODULUS (SX-X)*	0.5625 IN <sup>3</sup>	9217.7235 mm <sup>3</sup>
TORQUE	7,000 FT.LBS.	9490 Nm
ULTIMATE CAPACITY	70,000 LBS.	31,750 kg

	<b>Earth Contact Products</b>			
	TITLE HELICAL PILES TAE-150			
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	DO NOT SCALE THIS DRAWING	DRN BY GDR	DATE 4/11/23	SHEET 1 OF 1