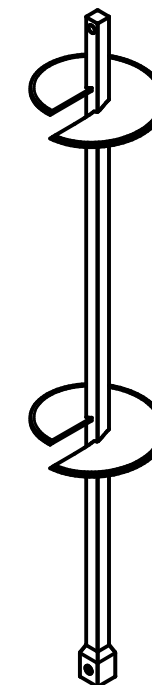
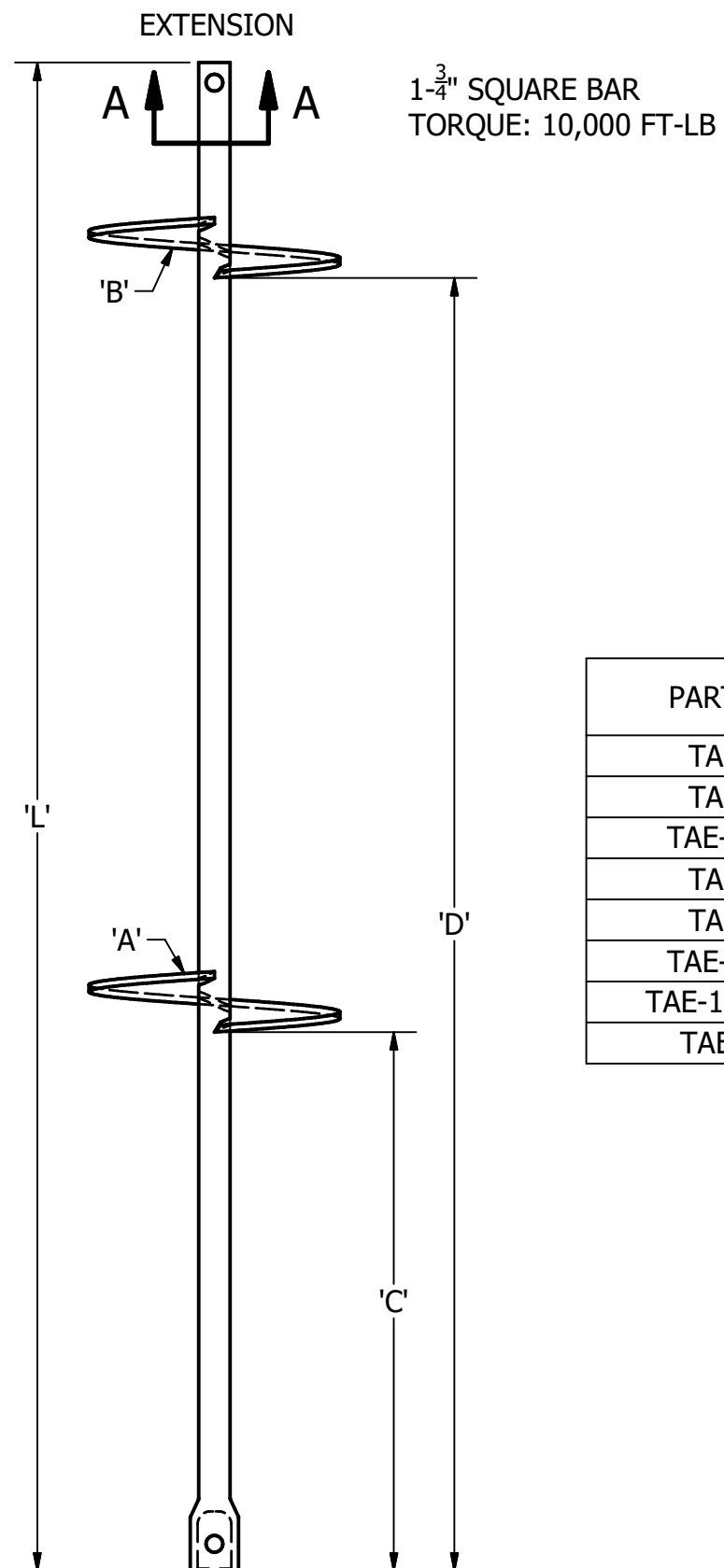


**** NOTES ****

1. HOT DIP GALVANIZED PER ASTM A123 GRADE 100 (LATEST REV)
2. SHAFT MATERIAL HOT ROLLED ROUND CORNER SQUARE SOLID BARS PER ASTM A29; MIN YIELD = 90 KSI
3. HELIX MATERIALS LOW CARBON STEEL MEETING THE GENERAL REQUIREMENTS
4. COUPLING BOLTS: 7/8"Ø X 3-3/4" 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 A-A
SCALE 1/4

PART NUMBER	DESCRIPTION	'L'	'A'	'B'	'C'	'D'
TAE-175-36	36" EXTENSION	36				
TAE-175-42	42" EXTENSION	42				
TAE-175-42-14	42" EXTENSION W/ 3/8" x 14" HELICAL	42	14		11.5	
TAE-175-60	60" EXTENSION	60				
TAE-175-84	84" EXTENSION	84				
TAE-175-84-14	84" EXTENSION W/ 3/8" x 14" HELICAL	84	14		29	
TAE-175-84-14-14	84" EXTENSION W/ 3/8" x 14"/14" HELICAL	84	14	14	29	72
TAE-175-120	120" EXTENSION	120				

DESCRIPTION	IMPERIAL	METRIC
SHAFT SIZE	1.75 IN	44.45 mm
MOMENT OF INERTIA (I)*	0.7816 IN ⁴	3.253x10 ⁵ mm ⁴
SHAFT AREA (A)*	3.0125 IN ²	1943.5445 mm ²
SECTION MODULUS (SX-X)*	0.89323 IN ³	14637.4172 mm ³
TORQUE	10,000 FT.LBS	13558 Nm
ULTIMATE CAPACITY	100,000 LBS.	45360 kg

ECP	Earth Contact Products			
	TITLE HELICAL PILES TAE-175			
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DO NOT SCALE THIS DRAWING	DRN BY GDR	DATE 4/11/23	SHEET 1 OF 1	