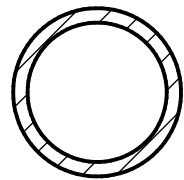


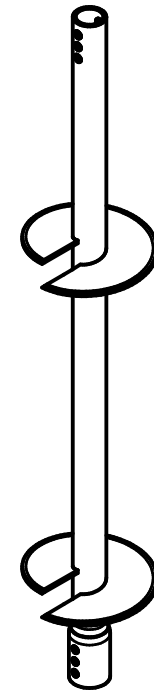
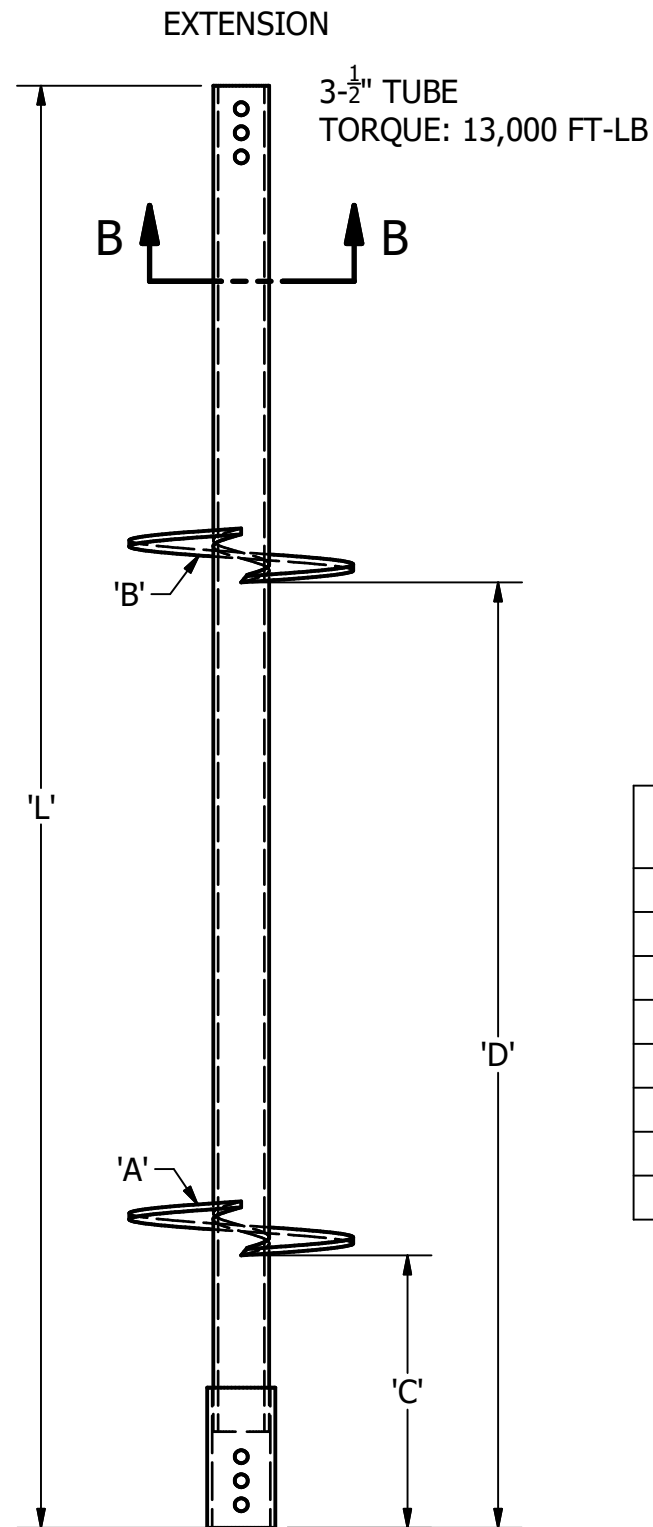
**** NOTES ****

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
9. ICC-ESR-3559



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

HELICAL PILES



PART NUMBER	DESCRIPTION	'L'	'A'	'B'	'C'	'D'
TAE-350-36	36" EXTENSION	42				
TAE-350-42	42" EXTENSION	48				
TAE-350-42-14	42" EXTENSION W/ 3/8" x 14" HELICAL	48	14		17	
TAE-350-60	60" EXTENSION	66				
TAE-350-84	84" EXTENSION	90				
TAE-350-84-14	84" EXTENSION W/ 3/8" x 14" HELICAL	90	14		17	
TAE-350-84-14-14	84" EXTENSION W/ 3/8" x 14"/14" HELICAL	90	14	14	17	59
TAE-350-120	120" EXTENSION	126				

DESCRIPTION	IMPERIAL	METRIC
SHAFT SIZE, OD	3.5 IN	88.9 mm
WALL THICKNESS	0.300 IN	7.62 mm
MOMENT OF INERTIA (I)*	3.8943 IN ⁴	1.62x10 ⁶ mm ⁴
SHAFT AREA (A)*	3.0159 IN ²	1945.74 mm ²
SECTION MODULUS (SX-X)*	2.2253 IN ³	36466.63 mm ³
TORQUE	13,000 FT.LBS	17,625.6 Nm
ULTIMATE CAPACITY	104,000 LBS.	47,173.6 kg

	Earth Contact Products			
	TITLE HELICAL PILES TAEW-350			
<small>CONFIDENTIAL: THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND THE EXCLUSIVE PROPERTY OF EARTH CONTACT PRODUCTS, LLC. NO PUBLICATION, DISTRIBUTION, OR COPIES MAY BE MADE WITHOUT THE WRITTEN CONSENT OF ECP. ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.</small>	SIZE A	CAT / PART / ASSY NO. SEE CHART	DWG NO. SD-TAEW-350	REV C
	DO NOT SCALE THIS DRAWING	DRN BY GDR	DATE 4/11/23	SHEET 1 OF 1