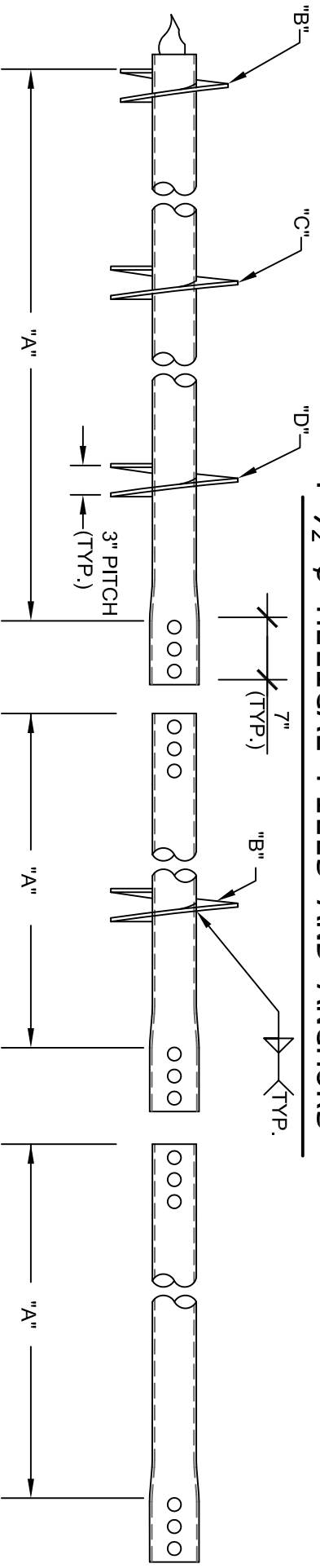


# 4 1/2" Ø HELICAL PILES AND ANCHORS



LEAD SECTION TABLE

CAT #	"A"	"B"	"C"	"D"
8922	5'-0"	8"		
8924	5'-0"	8"	10"	
8926	5'-0"	10"	12"	
8932	7'-0"	10"	12"	
8930	7'-0"	8"	10"	12"
8934	7'-0"	10"	12"	14"
8942	10'-0"	10"	12"	14"

\* MULTI-HELIX ARE SPACED 3 DIAMETERS ABOVE THE LOWER HELIX.

HELIX EXTENSIONS

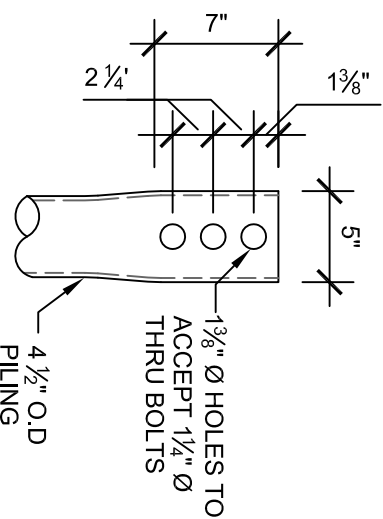
CAT #	"A"	"B"
8905.8	5'-0"	8"
8905.10	5'-0"	10"
8905.12	5'-0"	12"
8907.10	7'-0"	10"

EXTENSIONS

CAT #	"A"
8902	2'-0"
8905	5'-0"
8907	7'-0"
8910	10'-0"

## STRENGTH RATING

MAX. TORQUE STRENGTH = 21,850 FT-LB  
 ULTIMATE CAPACITY (TENS/COMP) = 122.4 KIP\*  
 ALLOWABLE CAPACITY (TENS/COMP) = 61.2 KIP\*  
 \* BASED ON A TORQUE FACTOR (Kt) = 5.6



## NOTES:

- POLYETHYLENE COPOLYMER THERMOPLASTIC COATING PER ICC-ES AC 228
- LEAD AND EXTENSION SECTION AND PILOT POINT LENGTHS ARE NOMINAL. PILOT POINTS ARE 3"
- SHAFT MATERIAL IS 4 1/2"Ø, 0.237" WALL THICKNESS, MINIMUM Fy=65 KSI.
- HELIX BLADE MATERIAL IS HOT ROLLED, MINIMUM Fy=50 KSI CARBON STEEL. PLATE THICKNESS IS AVAILABLE IN 1/2" THICKNESS.
- NOMINAL SPACING BETWEEN HELICAL PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES (ISO 9001:2015).
- ALL WELDING IS TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- SEE RAM JACK TECHNICAL MANUAL OR ESR-1854 FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.
- ALL COUPLING BOLTS TO BE 1 1/4"Ø, SAE J429 GRADE 8 BOLTS. ( SAE J429 GRADE 5 IF GALVANIZED).



# RAM JACK

DWG. NO. : 45.02	CATALOG NO. : SEE TABLES	REV. 2
SCALE 3/4" = 1'-0"	DRAWN BY SA	DATE: 9/11/2017
		SHEET 1 OF 1