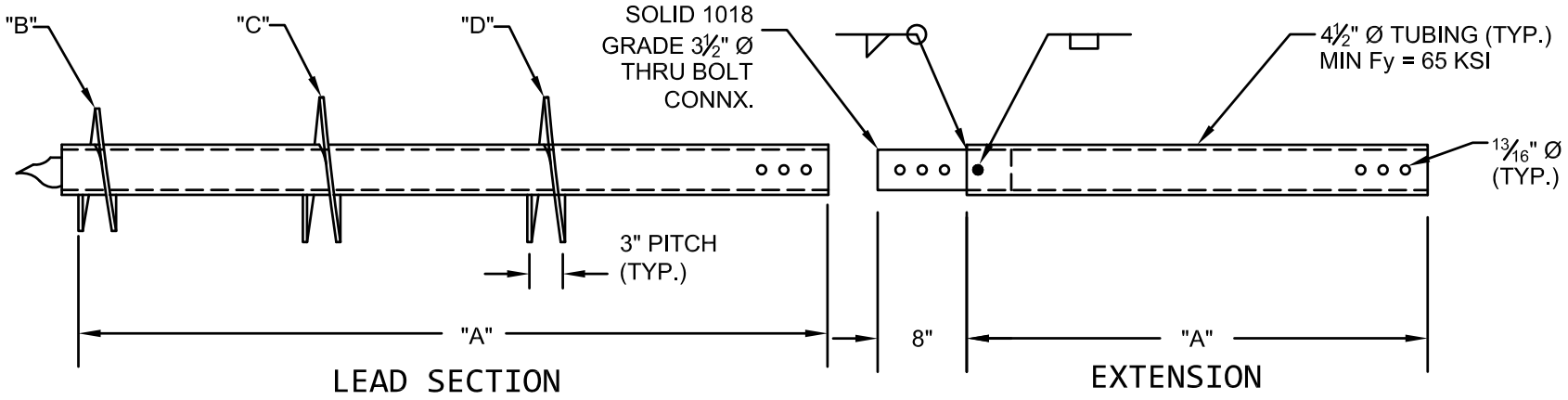
4 ½"Ø HELICAL PILES AND ANCHORS



STRENGTH RATING

MAX. TORQUE STRENGTH = 23,000 FT-LB
ULTIMATE CAPACITY (TENS/COMP) = 138 KIP*
ALLOWABLE CAPACITY (TENS/COMP) = 69 KIP*
* BASED ON A TORQUE FACTOR (Kt) = 6

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

EXTENSIONS	
CAT #	"A"
6306	5'-0
6307	7'-0
4629	10'-0

LEAD SECTION TABLE				
CAT #	"A"	"B"	"C"	"D"
6333	7'-0	12"		
6336	7'-0	14"		
6338	7'-0	16"		
6343	7'-0	10"	12"	
6345	7'-0	12"	14"	
6348	7'-0	10"	12"	14"
6351	7'-0	12"	14"	16"
6346	7'-0	14"	16"	

NOTES:

1. POLYETHYLENE COPOLYMER THERMOPLASTIC COATING PER ICC-ES AC 228
2. LEAD AND EXTENSION SECTION AND PILOT POINT LENGTHS ARE NOMINAL. PILOT POINTS ARE 3".
3. SHAFT MATERIAL IS 4 ½"Ø, 0.438" WALL THICKNESS, MINIMUM Fy=65 KSI.
4. HELIX BLADE MATERIAL IS HOT ROLLED, MINIMUM Fy=50 KSI CARBON STEEL. PLATE THICKNESS IS AVAILABLE IN 1/2" THICKNESS.
5. CONNECTORS ARE 3 ½" Ø SOLID THRU BOLTED CONNECTION (1018 GRADE STEEL).
6. NOMINAL SPACING BETWEEN HELICAL PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
7. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
8. ALL WELDING IS TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
9. SEE RAM JACK ENGINEERING HANDBOOK FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.

RAMJACK

DWG. NO. : 45.02	CATALOG NO. : SEE TABLES	REV. 2
SCALE ¾" = 1'-0"	DRAWN BY SA	DATE: 6/6/2013	SHEET 1 OF 1