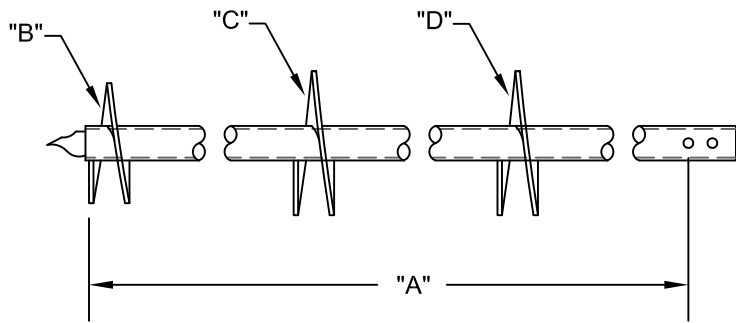


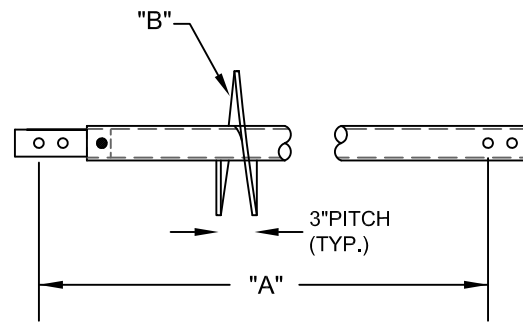
2 7/8"Ø HELICAL PILES AND ANCHORS - INTERNAL CONNECTION



LEAD SECTION

LEAD SECTION TABLE				
CAT. #	"A"	"B"	"C"	"D"
6142	5'-0	10"	12"	
6143	7'-0	10"	12"	
6144	5'-0	12"	14"	
6145	7'-0	12"	14"	
6146	7'-0	14"	16"	
6147	7'-0	8"	10"	12"
6148	7'-0	10"	12"	14"
6129	5'-0	10"		
6132	5'-0	12"		

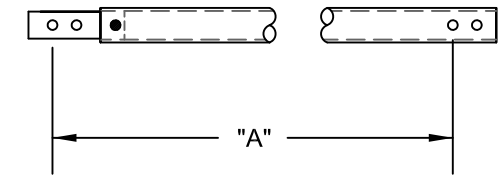
* MULTI-HELIX ARE SPACED 3 DIAMETERS OF THE LOWER HELIX.



HELIX EXTENSION

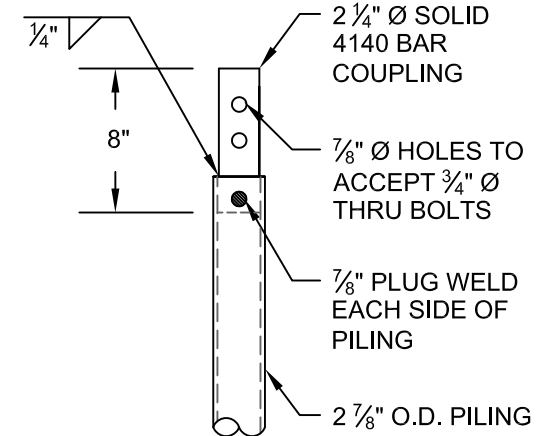
HELIX EXTENSIONS		
CAT #	"A"	"B"
6105.12	5'-0	12"
6105.14	5'-0	14"
6107.12	7'-0	12"
6107.14	7'-0	14"

EXTENSIONS	
CAT #	"A"
6105	5'-0
6107	7'-0
6110	10'-0



EXTENSION

MECHANICAL TORQUE RATING - 8,000 FT-LB
 ULTIMATE CAPACITY (TENS/COMP) - 72.0 KIP*
 ALLOWABLE CAPACITY (TENS/COMP) - 36.0 KIP*
 *BASED ON A TORQUE FACTOR (Kt) = 9



CONNECTION DETAIL

NOTES:

1. POLYETHYLENE COPOLYMER THERMOPLASTIC COATING PER ICC-ES AC 228.
2. LEAD AND EXTENTION SECTION AND PILOT POINT LENGTHS ARE NOMINAL. PILOT POINTS ARE 3".
3. SHAFT MATERIAL IS 2 7/8"Ø, 0.217" WALL, MINIMUM Fy=65 KSI AND Fu=80 KSI.
4. HELIX BLADE MATERIAL IS HOT ROLLED, MINIMUM Fy=50 KSI AND Fu=80 KSI CARBON STEEL. PLATE THICKNESS IS AVAILBLE IN 3/8" AND 1/2" THICKNESSES.
5. CONNECTORS ARE 2 1/4" Ø, 4140 SOLID BAR CONNECTED TO ADJECENT EXTENSION WITH (2) 3/4"Ø, SAE J429 GRADE 8 BOLTS.
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.

