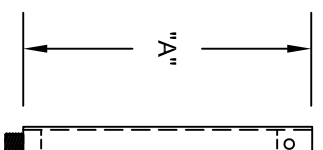
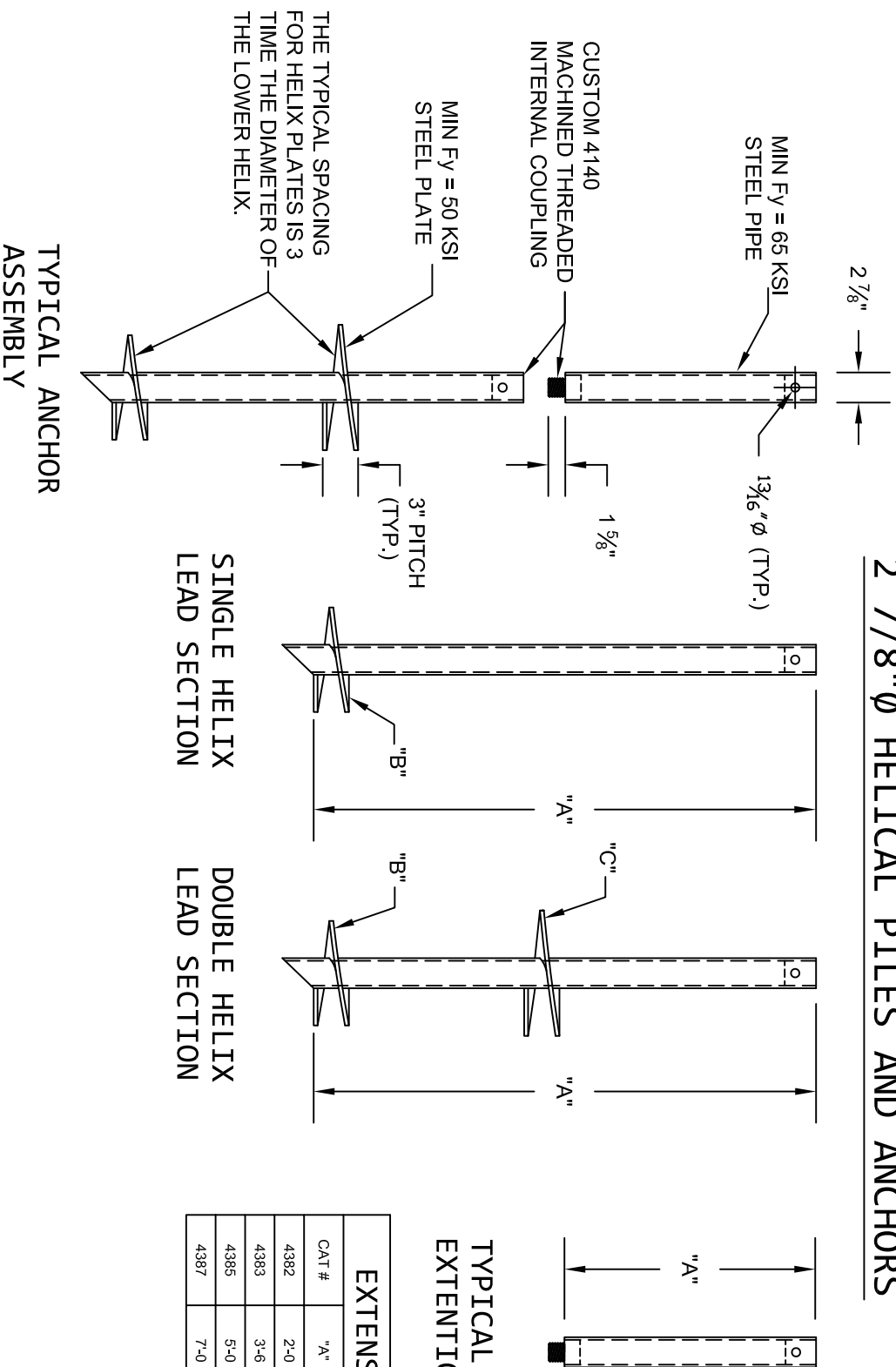


2 7/8" Ø HELICAL PILES AND ANCHORS



TYPICAL HELICAL EXTENTION

EXTENSIONS

CAT #	"A"	ICC-ES
4382	2-0	X
4383	3-6	X
4385	5-0	X
4387	7-0	X

STRENGTH RATING

MAX. TORQUE STRENGTH - 5,500 FT-LB
ULTIMATE CAPACITY (TENS/COMP) - 49.5 KIP*
ALLOWABLE CAPACITY (TENS/COMP) - 24.75 KIP**

* BASED ON A TORQUE FACTOR (Kt) = 9
** W/ SAFETY FACTOR OF 2 BEING APPLIED
CAPACITIES ASSUME PILES ARE FULLY BRACED WITH
NO ECCENTRICITY

LEAD SECTION TABLE

CAT #	"A"	"B"	"C"	ICC-ES
4368	5-0	10"	12"	X
4370	7-0	10"	12"	X
4367	7-0	14"	16"	X
4059	5-0	12"	14"	X
4050	7-0	12"	14"	X
4371	7-0	10"	12"	X
5371	7-0	8"	10"	X
4379	2-0	10"		X
4378	3-6	10"		X
4373	5-0	10"		X
4374	7-0	10"		X
4377	3-6	12"		X
4375	5-0	12"		X
4376	7-0	12"		X

* ICC-ES LISTING => PFC-5996
* MULTI-HELIX ARE SPACED 3 DIAMETERS
OF THE LOWER HELIX.

- POLYETHYLENE COPOLYMER THERMOPLASTIC COATING PER ICC-ES AC 228.
- REFERENCE EXTENSION AND LEAD SECTION TABLES FOR TYPICAL LENGTHS AND HELIX COMBINATIONS.
- SHAFT MATERIAL IS 2 7/8" DIAMETER, 0.217" WALL THICKNESS AND MINIMUM Fy = 65 KSI PIPE.
- HELIX MATERIAL IS MINIMUM 50 KSI CARBON STEEL. PLATE THICKNESS AVAILABLE IN 0.375" AND 0.5".
- CONNECTORS ARE 4140 CUSTOM MACHINED THREADED INTERNAL COUPLERS. BOTH MALE AND FEMALE COUPLERS ARE SHOP WELDED IN PLACE.
- 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.
- ALL WELDING IS TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- SEE ICC-ES EVALUATION REPORT PFC-5996 AND RAM JACK ENGINEERING HANDBOOK FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.



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RAM JACK
FOUNDATION SOLUTIONS

DWG. NO. : 2875.0001
SCALE : 3/4" = 1'-0"
DRAWN BY : DLW
DATE : 04/18/08
CATALOG NO. : SEE TABLES
REV. 1
SHEET 1 OF 1