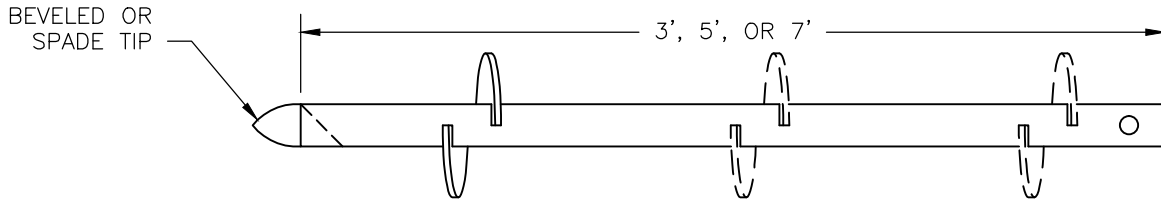


HPC-17

1.75" HELI-PILE® CONVENTIONAL HELICAL PILE
 CATALOG NUMBERS BEGINNING WITH HPCL-17 AND HPCE-17
 (EXTRA HIGH STRENGTH SHAFT STEEL, $F_y=90$ KSI)



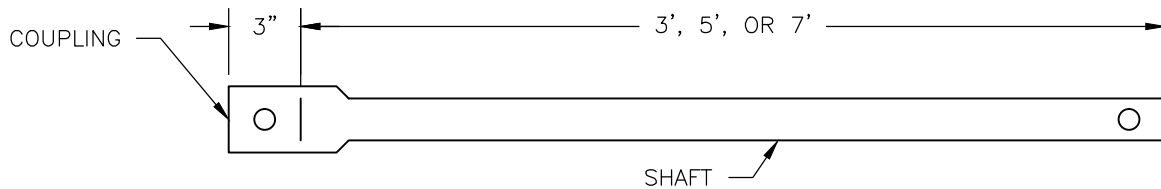
LEAD SECTION
SINGLE OR MULTIPLE HELIX

NO SCALE



HELIX EXTENSION

NO SCALE




PLAIN EXTENSION

NO SCALE

1. THIS DRAWING COVERS 1.75" HELI-PILE® SOLID ROUND CORNER SQUARE SHAFT HELICAL PILES. (CATALOG NUMBERS BEGINNING WITH HPCL-17 & HPCE-17)
2. SOLID ROUND CORNER SQUARE SHAFT MATERIAL IS PER ASTM A29 OR AISI 1530, $F_y=90$ KSI
3. ALL HELIX MATERIAL IS 0.5" THICK AND IS PER ASTM A656 Gr 80 TYPE 7 ($F_y=80$ KSI).
4. CONNECTION BOLTS ARE 0.875" DIAMETER A193 GRADE B7 ($F_t = 120$ KSI), 3.5" LONG, THREADS OUTSIDE THE SHEAR ZONE.
5. WELDS ARE 0.375" MIN FILLET FOR COUPLER, 0.25" MIN FOR HELICES (T&B), ER80S (80KSI) ELECTRODE.
6. ALL STEEL IS GALVANIZED PER ASTM A153, A123, OR B633 FE/ZN 5, TYPE III (LATEST REVISION).
7. ULTIMATE AXIAL MECHANICAL CAPACITY IS 110,000 LBS, TENSION OR COMPRESSION.
8. ULTIMATE SHAFT TORQUE CAPACITY IS 11,000 FT-LBS.
9. ULTIMATE HELIX MECHANICAL CAPACITY: 6"-12" DIAMETER = 70,000 LBS, 14" DIAMETER = 56,000 LBS
10. COUPLER STEEL 3.25" OD, 0.438" WALL DOM PIPE PER ASTM A513 Gr 1026 ($F_y = 45$ KSI) COLD FORGED SQUARE

THIS DRAWING AND THE INFORMATION CONTAINED HEREON ARE THE PROPERTY OF IMR, Inc. THIS DRAWING IS INTENDED FOR THE SOLE USE OF IMR, Inc., AND ITS AUTHORIZED CLIENTS ONLY.

 HELI-PILE® IMR, Inc. - DENVER 5135 Ward Road, Wheat Ridge, Colorado, 80033 USA 303-423-0591 Fax: 303-423-9155 www.helipile.com	SPECIFICATION SHEET		1.75" CONVENTIONAL EXTRA HIGH STRENGTH HELICAL PILES	
	DRAWN BY: RJV	ENGINEER: JSP	DATE: 02/05/15	SHEET 1 OF 1 REVISION: 7