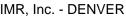
- 3. HPFT25: 2.5"x2.5" STRUCTURAL TUBING, 0.25" WALL THICKNESS. THE CONNECTION BOLT IS 0.75" DIAMETER SAE J429 Gr 5 STEEL (Ft=120 KSI) OR EQUIVALENT. MAX. TORQUE CAPACITY IS 7,000 FT-LBS.
- 4. HPFT3: 3"x3" STRUCTURAL TUBING, 0.25" WALL THICKNESS. THE CONNECTION BOLT IS 0.875" DIAMETER SAE J429 Gr 5 STEEL (Ft=120 KSI) OR EQUIVALENT. MAX. TORQUE CAPACITY IS 11,000 FT-LBS.
- 5. HPFT331: 3"x3" STRUCTURAL TUBING, 0.313" WALL THICKNESS. THE CONNECTION BOLT IS 0.875" DIAMETER ASTM A193 Gr B7 STEEL (Ft=120 KSI) OR EQUIVALENT. MAX. TORQUE CAPACITY IS 15,000 FT-LBS.
- 6. HPFT425: 4"x4" STRUCTURAL TUBING, 0.25" WALL THICKNESS. THE CONNECTION BOLT IS 1.25" DIAMETER SAE J429 Gr 5 STEEL (Ft=105 KSI) OR EQUIVALENT. MAX. TORQUE CAPACITY IS 20,000 FT-LBS.
- HPFT438: 4"X4" STRUCTURAL TUBING, 0.375" WALL THICKNESS. THE CONNECTION BOLT IS 1.25" DIAMETER SAE J429 Gr 5 STEEL (Ft=105 KSI) OR EQUIVALENT. MAX. TORQUE CAPACITY IS 30,000 FT-LBS.
- HPFT4: 4"x4" STRUCTURAL TUBING, 0.5" WALL THICKNESS. THE CONNECTION BOLT IS 1.25" DIAMETER SAE J429 Gr 5 STEEL (Ft=105 KSI) OR EQUIVALENT. MAX. TORQUE CAPACITY IS 30,000+ FT-LBS.
- ALL STRUCTURAL TUBING IS PER ASTM A500 Gr B, FOR 2" TO 3" Fy=60 KSI Fu=69 KSI, 4" AND LARGER Fy=60 KSI Fu=70 KSI BY SPECIAL ORDER.
- 10. ALL HELIX MATERIAL IS 0.5" THICK AND IS PER ASTM A656 Gr 80 TYPE 7.
- 11. ULTIMATE HELIX MECHANICAL CAPACITY: (UNLESS FULL-SCALE LOAD TEST SHOWS OTHERWISE)

6" THROUGH 12" DIAMATER = 70,000 LBS

14" DIAMETER = 56,000 LBS

- 12. ALL WELDS ARE 0.25" FILLET MINIMUM WITH ER70S ELECTRODE.
- 13. ALL STEEL MATERIAL IS GALVANIZED PER ASTM A153, A123, OR B633 FE/ZN 5, TYPE III. (LATEST REVISION)
- 14. ULTIMATE AXIAL CAPACITY:

HPFT2: 40,000 LBS. COMPRESSION, 40,000 LBS TENSION. HPFT25: 70,000 LBS. COMPRESSION, 60,000 LBS TENSION. 110,000 LBS. COMPRESSION, 62,000 LBS TENSION. HPFT3: HPFT331: 150,000 LBS. COMPRESSION, 62,000 LBS TENSION. HPFT425: 200,000 LBS. COMPRESSION, 65,000 LBS TENSION. HPFT438: 300,000 LBS. COMPRESSION, 105,000 LBS TENSION. 400,000 LBS, COMPRESSION, 105,000 LBS TENSION.



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SPECIFICATION SHEET

TUBULAR HELICAL PILES

HPFT.dwg SHEET 1 OF 1 DRAWN BY: ENGINEER: DATE: REVISION: **RJV** .ISP 02/04/16 17

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