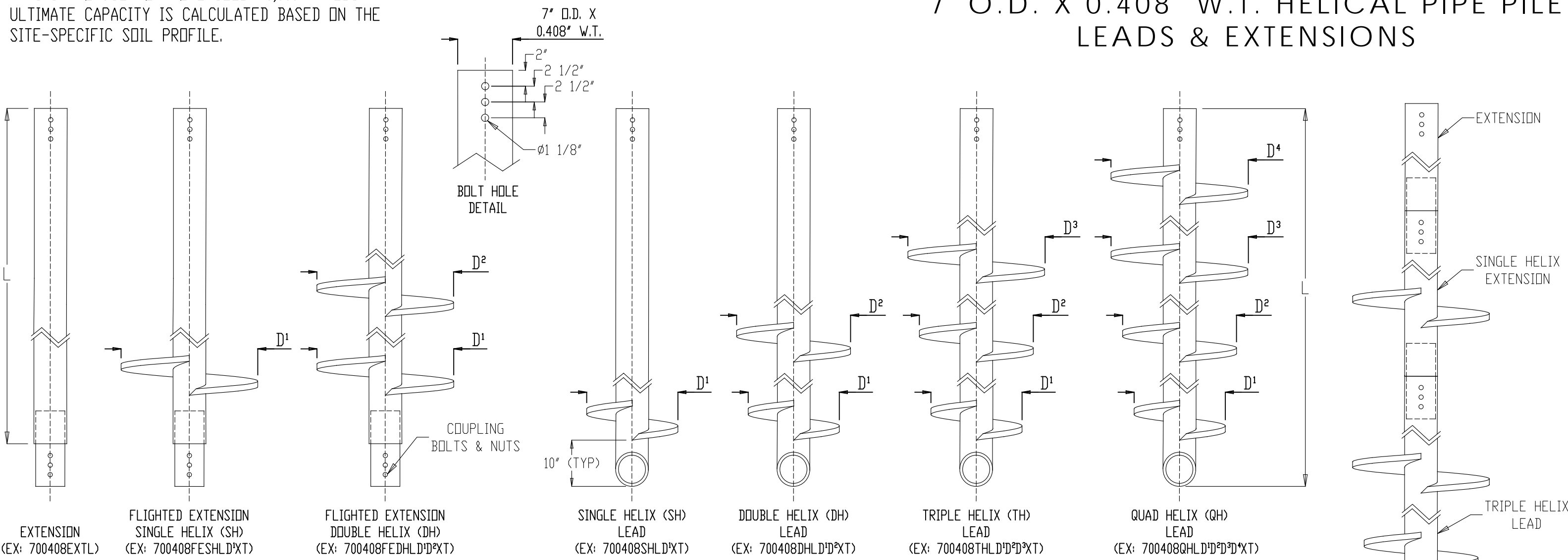


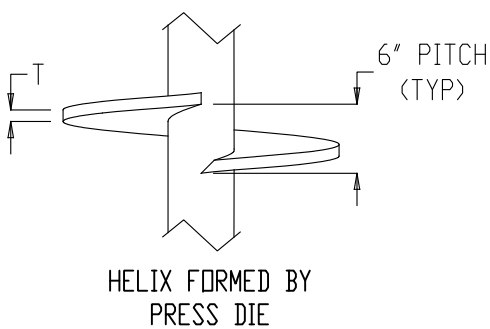
MAXIMUM TORQUE NOT TO EXCEED 70,000 FT LBS.
 ULTIMATE CAPACITY IS CALCULATED BASED ON THE
 SITE-SPECIFIC SOIL PROFILE.

7" O.D. X 0.408" W.T. HELICAL PIPE PILE LEADS & EXTENSIONS



NOTES:

1. SHAFT TO MEET OR EXCEED 80 KSI.
2. HELIX TO MEET OR EXCEED REQUIREMENTS OF ASTM A572/A1018/A656, 50 KSI.
3. ALL HELICES ARE FORMED BY PRESS DIE. LEADING EDGE OF HELICES ARE TAPERED TO IMPROVE INSTALLATION CAPABILITIES.
4. HELIX SPACING IS THREE (3) TIMES THE DIAMETER OF THE LOWER HELIX. SPACING OF LEADING HELIX ON FLIGHTED EXTENSIONS IS THREE (3) TIMES THE DIAMETER OF THE LAST HELIX ON THE PRECEEDING SHAFT.
5. STANDARD HELIX DIAMETERS ARE 14", 16", 18", 20", 22" & 24". STANDARD HELIX THICKNESS IS 3/4".
6. ALL WELDING TO BE PERFORMED BY SHOP QUALIFIED WELDERS TO AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
7. BARE STEEL IS STANDARD. GALVANIZING IS AVAILABLE IF REQUIRED.
8. (3) 1" DIAMETER X 8 1/2" LONG HEAVY HEX BOLT GRADE 8 AND (3) 1" HEAVY HEX NUT GRADE 8.
9. HELICAL PILE ASSEMBLIES MANUFACTURED IN ACCORDANCE WITH ICC-ES AC358 ACCEPTANCE CRITERIA FOR HELICAL FOUNDATION SYSTEMS AND DEVICES.



IDEAL PART # ABBREVIATIONS:
 700 = SHAFT DIAMETER
 408 = SHAFT WALL THICKNESS
 EXT = EXTENSION
 FE = FLIGHTED EXTENSION
 SH, DH, TH, QH = SINGLE, DOUBLE, TRIPLE, OR QUAD. HELIX
 L = SHAFT LENGTH IN FEET (EXAMPLE: 20' = 20)
 D = HELIX DIAMETER(S) IN INCHES (EXAMPLE: 16" = 16)
 X = X (SEPARATES HELIX DIAMETER(S) AND HELIX THICKNESS)
 T = HELIX THICKNESS (EXAMPLE: 3/4" = 34)
 G = GALVANIZED (IF REQUIRED)

IDEAL Group

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REVISION: 01	DATE: 08/21/17	DO NOT SCALE DRAWING SHEET 1 OF 1