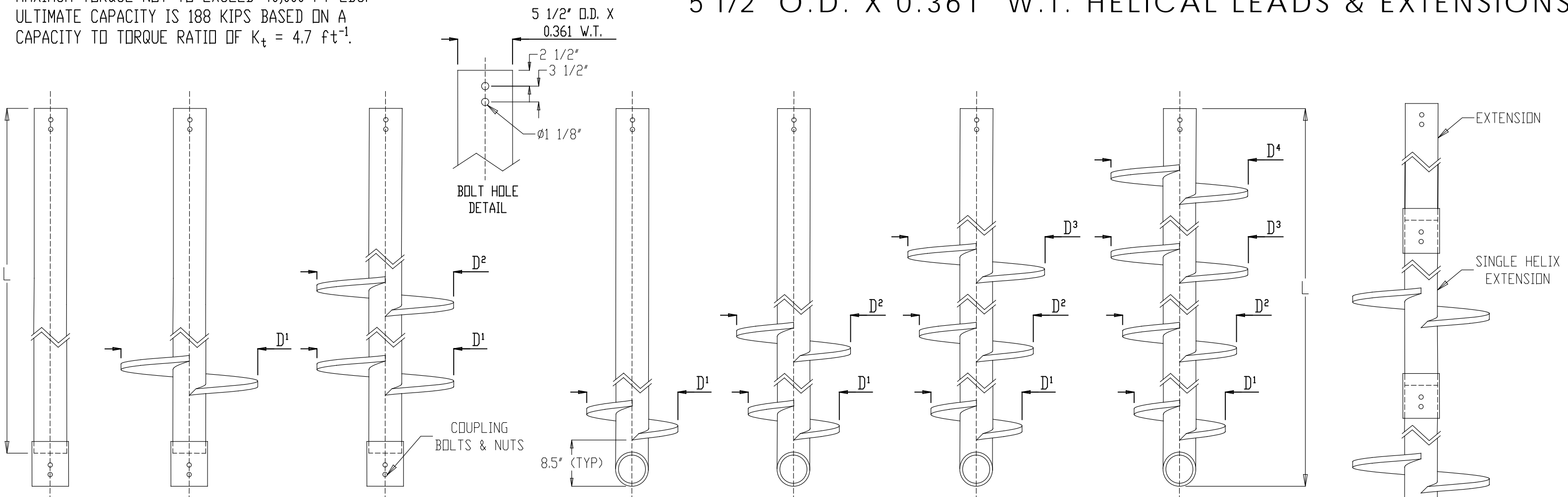


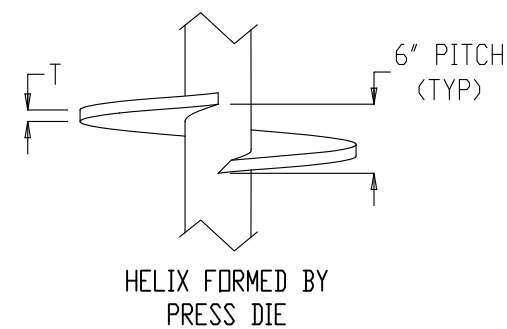
MAXIMUM TORQUE NOT TO EXCEED 40,000 FT LBS.
 ULTIMATE CAPACITY IS 188 KIPS BASED ON A
 CAPACITY TO TORQUE RATIO OF $K_t = 4.7 \text{ ft}^{-1}$.

5 1/2" O.D. X 0.361" W.T. HELICAL 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 12", 14", 16", 18" & 20". STANDARD HELIX THICKNESS IS 3/4".
6. ALL WELDING TO BE PERFORMED BY SHOP QUALIFIED WELDORS TO AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
7. BARE STEEL IS STANDARD. GALVANIZING IS AVAILABLE IF REQUIRED.
8. (2) 1" DIAMETER X 8 1/2" LONG HEAVY HEX BOLT GRADE 8 AND (2) 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:
 512 = SHAFT DIAMETER
 361 = 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)
 -2 = BOLT QUANTITY

IDEAL Group

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DRAWN BY: DSS	DATE: 07/21/17	
REVISION: 01	DATE: 08/21/17	DD NOT SCALE DRAWING SHEET 1 OF 1