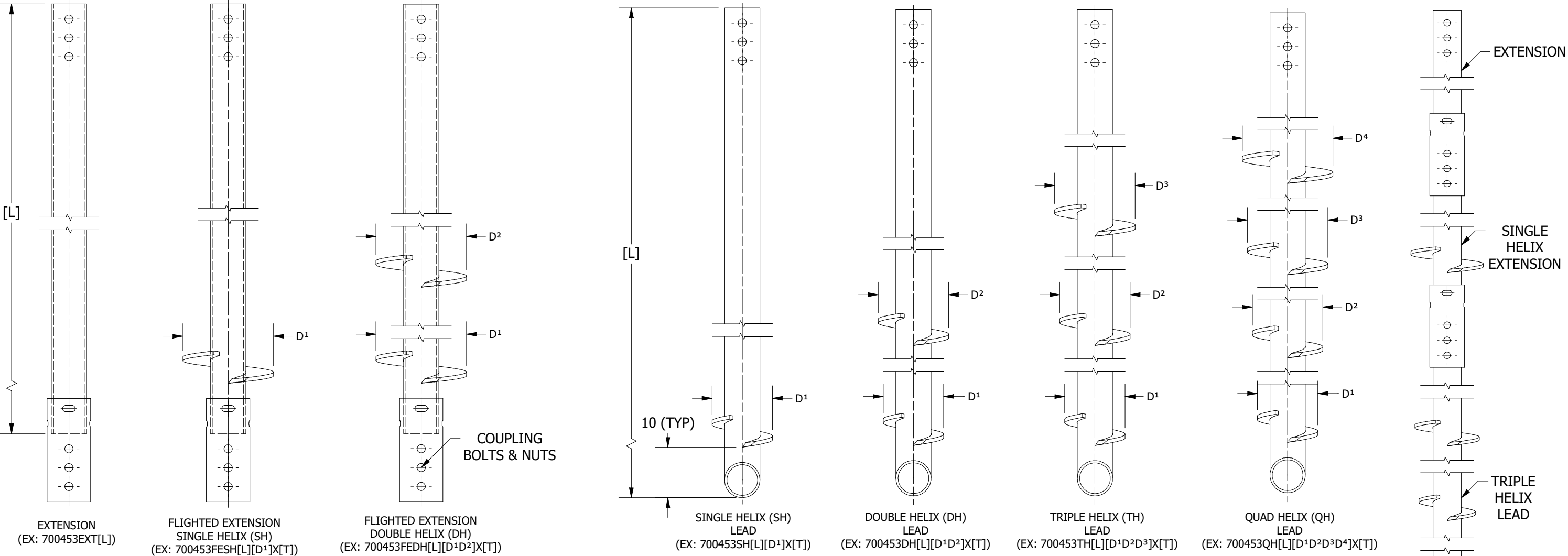


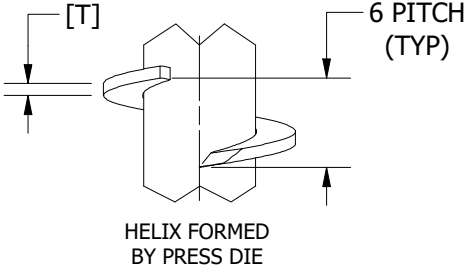
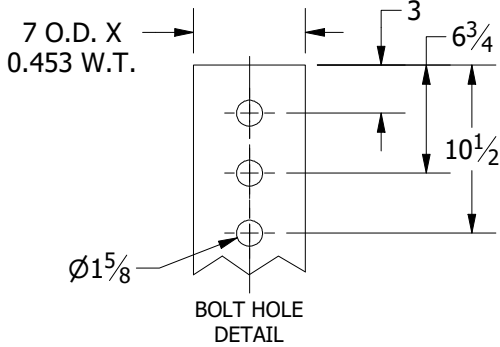
MAXIMUM TORQUE NOT TO EXCEED 130,000 FT-LBS.  
ULTIMATE CAPACITY IS CALCULATED BASED ON THE  
SITE-SPECIFIC SOIL PROFILE.

7" O.D. X 0.453" W.T. HELICAL LEADS & EXTENSIONS



- NOTES:**
- PILE SHAFT TO MEET OR EXCEED 80 KSI.
  - PLATE STEEL TO MEET OR EXCEED REQUIREMENTS OF ATSM A572, GRADE 50.
  - ALL HELICES ARE FORMED BY PRESS DIE. LEADING EDGE OF HELICES ARE TAPERED TO IMPROVE INSTALLATION CAPABILITIES.
  - 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 PRECEDING SHAFT.
  - STANDARD HELIX DIAMETERS ARE 16", 18", 20", 22" & 24". STANDARD HELIX THICKNESS IS 3/4".
  - ALL WELDING TO BE PERFORMED BY CERTIFIED WELDOR IN ACCORDANCE WITH AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
  - BARE STEEL IS STANDARD. GALVANIZING IS AVAILABLE IF REQUIRED.
  - (3) 1 1/2" DIAMETER X 12" LONG PLAIN FINISH HEAVY HEX BOLT (GRADE 8) AND (3) 1 1/2" PLAIN FINISH HEAVY HEX NUT ASTM A194 (GRADE 8).

**IDEAL PART # ABBREVIATIONS:**  
700 = SHAFT DIAMETER  
453 = SHAFT WALL THICKNESS  
EXT = EXTENSION  
FE = FLIGHTED EXTENSION  
SH, DH, TH, QH = SINGLE, DOUBLE, TRIPLE, OR QUAD. HELIX  
[L] = SHAFT LENGTH IN FEET (EXAMPLE: 7' = 7)  
[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)



DRAWN AP	4/3/2020
CHECKED LRS	4/8/2020
IDEAL MANUFACTURING, INC. 999 PICTURE PARKWAY WEBSTER, NY 14580 800-789-4810   WWW.IDL-GRP.COM	



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NOT TO SCALE ALL UNITS IN INCHES U.N.O.	SIZE B	DWG NO 700453	REV 0	SHEET 1 OF 1
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