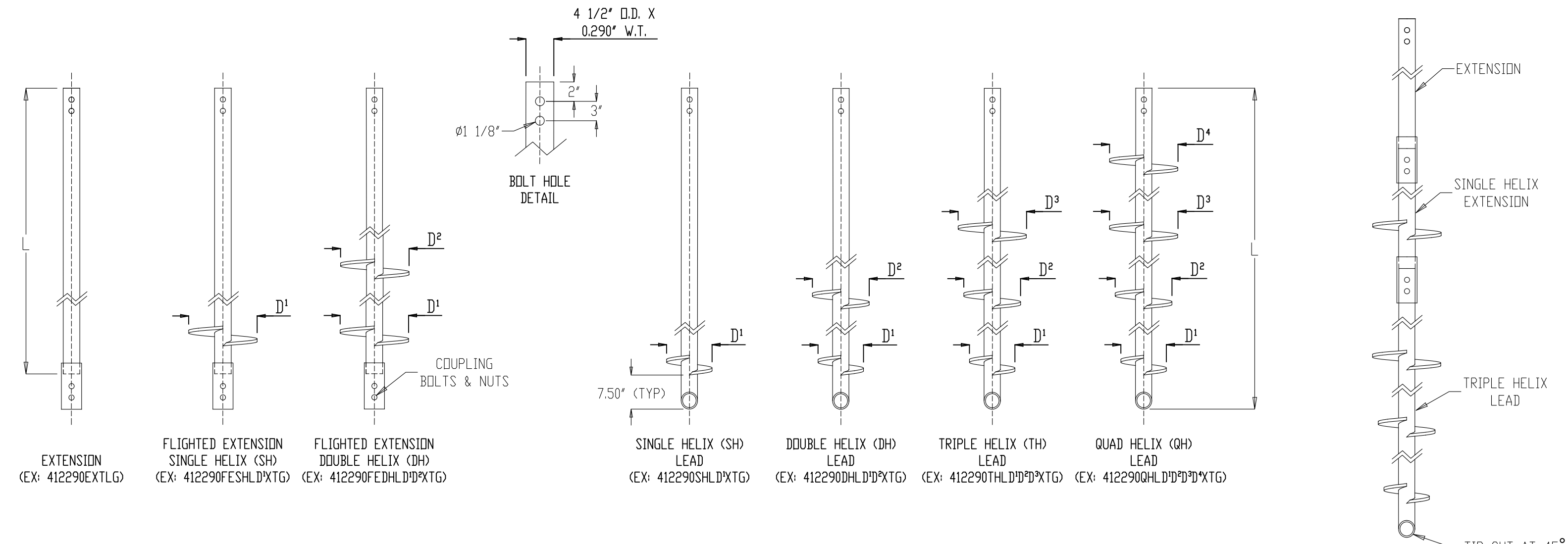
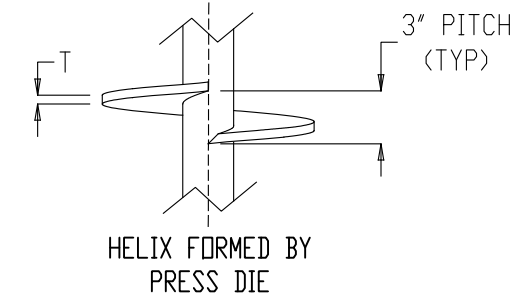


MAXIMUM TORQUE NOT TO EXCEED 26,500 FT LBS.
 ULTIMATE CAPACITY IS 159 KIPS BASED ON A CAPACITY TO
 TORQUE RATIO OF $K_t = 6 \text{ ft}^{-1}$.

4 1/2" O.D. X 0.290" W.T. HELICAL LEADS & EXTENSIONS



- NOTES:**
- SHAFT TO MEET OR EXCEED 80 KSI.
 - HELIX TO MEET OR EXCEED REQUIREMENTS OF ASTM A572/A1018/A656, 50 KSI.
 - 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 PRECEEDING SHAFT.
 - STANDARD HELIX DIAMETERS ARE 8", 10", 12", & 14". STANDARD HELIX THICKNESS IS 1/2".
 - ALL WELDING TO BE PERFORMED BY SHOP QUALIFIED WELDERS TO AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
 - HOT DIP GALVANIZING PER ASTM A153/ASTM A123. BARE STEEL IS ACCEPTABLE IF ADEQUATE.
 - (2) 1" DIAMETER X 6 1/2" LONG GALVANIZED HEAVY HEX BOLT PER ASTM A325 AND (2) 1" GALVANIZED HEAVY HEX NUT PER ASTM A194 (GRADE 2H).
 - HELICAL PILE ASSEMBLIES MANUFACTURED IN ACCORDANCE WITH ICC-ES AC358 ACCEPTANCE CRITERIA FOR HELICAL FOUNDATION SYSTEMS AND DEVICES.



IDEAL PART # ABBREVIATIONS:
 412 = SHAFT DIAMETER
 290 = 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: 10" = 10)
 X = X (SEPARATES HELIX DIAMETER(S) AND HELIX THICKNESS)
 T = HELIX THICKNESS (EXAMPLE: 1/2" = 12)
 G = GALVANIZED (IF REQUIRED)

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