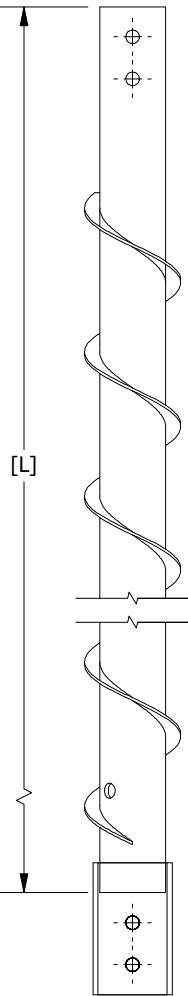
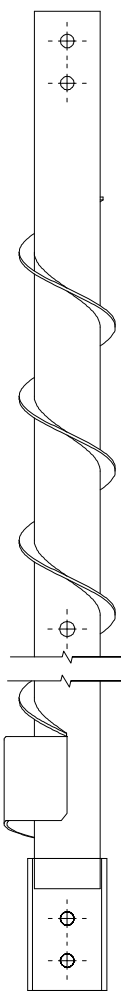


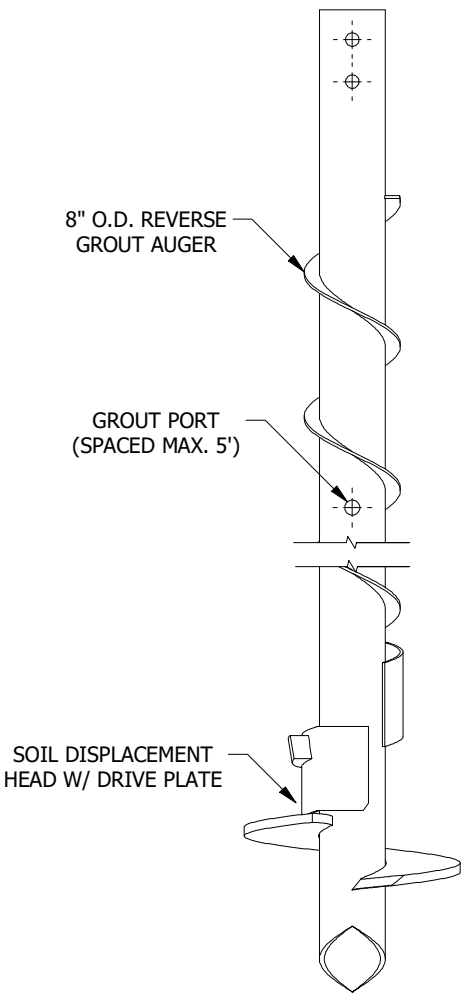
SC1600-550415-2 STELCOR LEADS AND EXTENSIONS



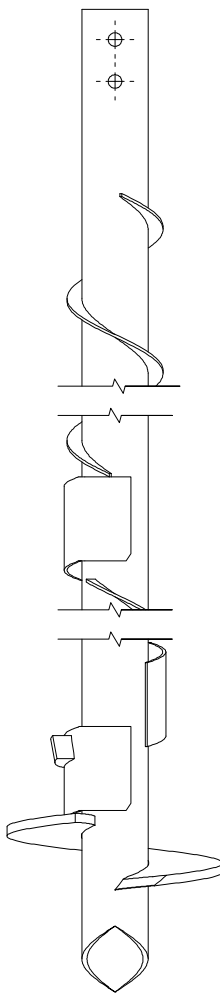
EXTENSION  
(EX: SCEXT-550415[L]-8-3)



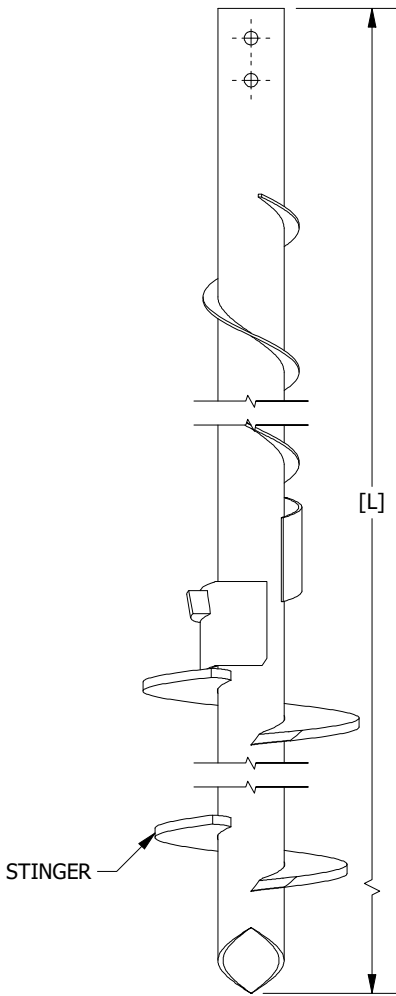
DISPLACEMENT EXTENSION  
(EX: SC1600EXT-550415[L]-8-[Q]D3)



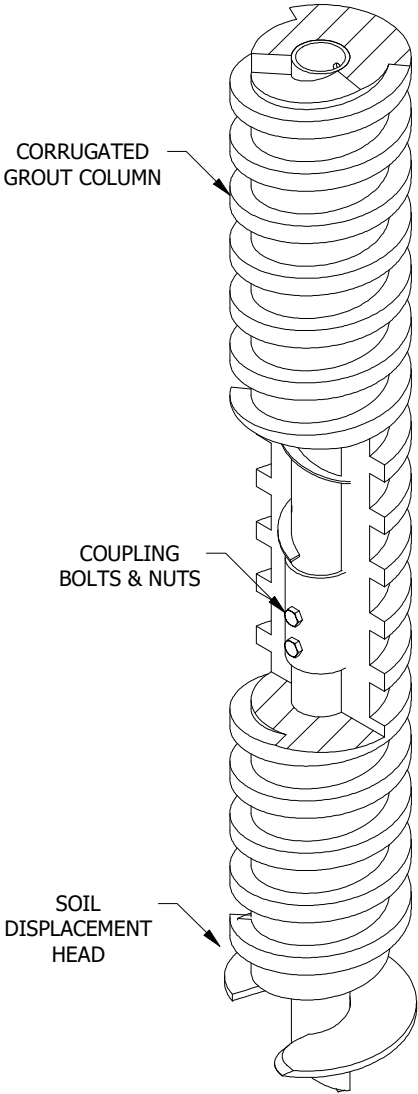
STANDARD LEAD  
(EX: SC1600-550415[L]-181613-8-D3)



MULTIPLE DISPLACEMENT LEAD  
(EX: SC1600-550415[L]-181613-8-[Q]D3)



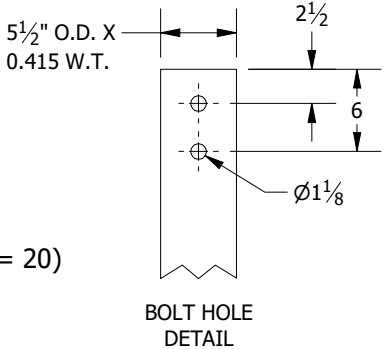
STINGER LEAD  
(EX: SC1600-550415[L]-181613-8-[Q]D3S16)



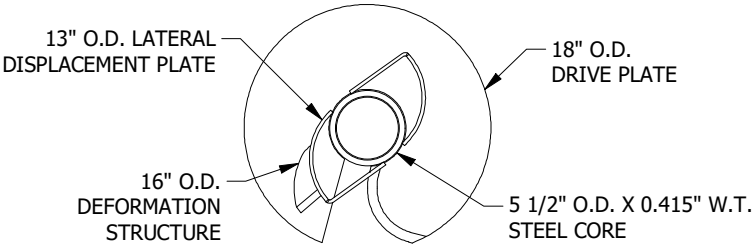
TYPICAL PILE ASSEMBLY  
ELEVATION VIEW

- NOTES:**
1. DISPLACEMENT DRILLED, FULL LENGTH STEEL CORE WITH SOLID GROUT FILL AND UNCASSED OUTER GROUT COLUMN.
  2. GROUT COLUMN DEFORMATION SHALL HAVE A NOMINAL DIAMETER OF 16".
  3. STEEL CORE SHALL BE 5 1/2" O.D. X 0.415" W.T. 80 KSI MIN. YLD. AND SHALL HAVE DIRECT CONTACT (SHAFT-TO-SHAFT) AT EACH SPLICE.
  4. LATERAL DISPLACEMENT DRILL HEAD SHALL BE FABRICATED OF ASTM A572 GR. 50 PARTS. DRIVE PLATE & STINGER PLATE (IF REQUIRED) TO BE 3/4" THICK WITH A 6" PITCH.
  5. ALL WELDING TO BE PERFORMED BY SHOP QUALIFIED WELDORS TO AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
  6. BARE STEEL.
  7. (2) 1" DIAMETER X 8 1/2" LONG PLAIN FINISH HEAVY HEX BOLT GRADE 8 AND (2) 1" PLAIN FINISH HEAVY HEX NUT ASTM A194 (GRADE 8).
  8. MAXIMUM TORQUE NOT TO EXCEED 40,000 FT\*LBS.
  9. ONE OR MORE OF THE FOLLOWING PATENTS MAY APPLY: US 8,926,228 B2 & US 10,480,144 B2; OTHER PATENTS PENDING.

**STELCOR PART # ABBREVIATIONS:**  
SC = STELCOR  
1600 = 16" NOMINAL GROUT DIAMETER  
EXT = EXTENSION  
550 = 5 1/2" O.D. STEEL CORE  
415 = .415" STEEL CORE WALL THICKNESS  
[L] = SHAFT LENGTH IN FEET (EXAMPLE: 20' = 20)  
18 = 18" O.D. DRIVE PLATE  
16 = 16" O.D. DEFORMATION STRUCTURE  
13 = 13" O.D. DISPLACEMENT PLATE  
8 = 8" O.D. REVERSE GROUT AUGER  
[Q] = DISPLACEMENT PLATE QUANTITY  
D = ADDITIONAL 13" O.D. DISPLACEMENT PLATE  
2 = BOLT QUANTITY  
S = STINGER PLATE  
16 = 16" O.D. STINGER PLATE DIAMETER



BOLT HOLE  
DETAIL



STANDARD SOIL DISPLACEMENT HEAD PLAN VIEW  
\*REVERSE AUGER AND GROUT COLUMN NOT SHOWN FOR CLARITY

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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 DWG NO  
B IDEAL - SC1600-550415-2 - Leads & Extensions 0

REV  
SHEET 1 OF 1