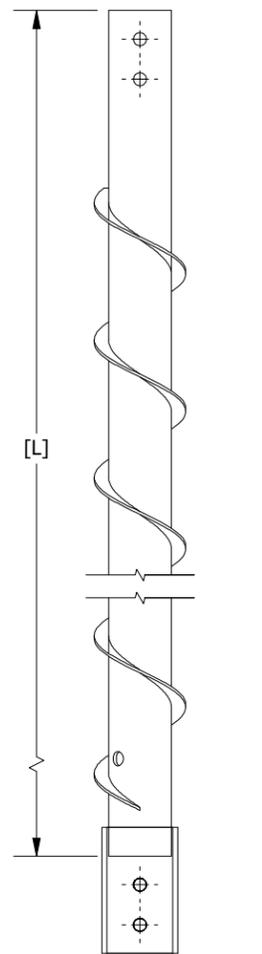
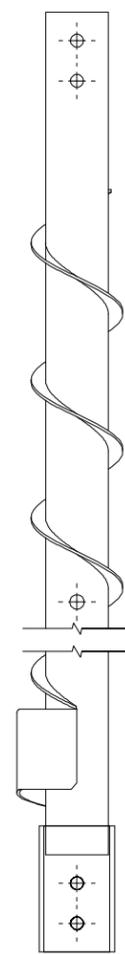


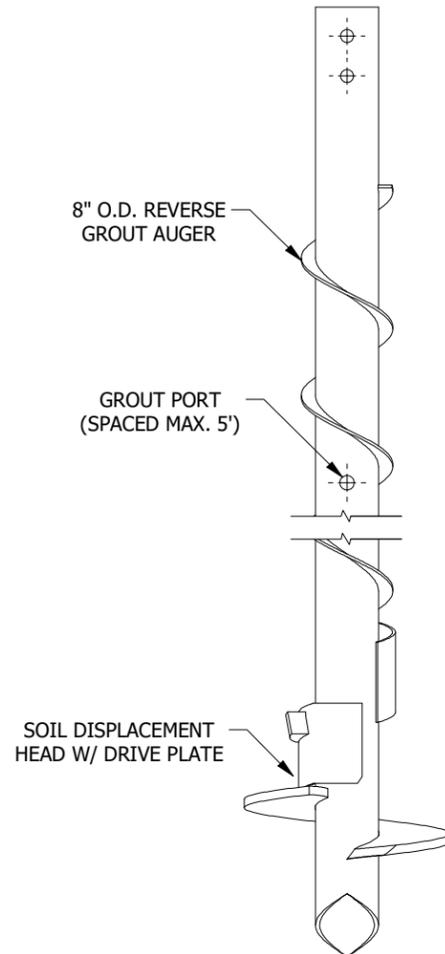
# SC1600-550361-2 STELCOR LEADS AND EXTENSIONS



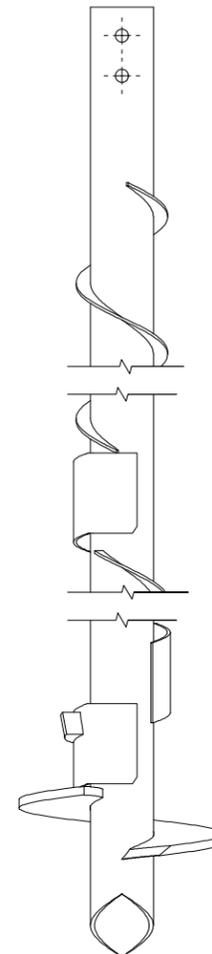
EXTENSION  
(EX: SCEXT-550361[L]-8-2)



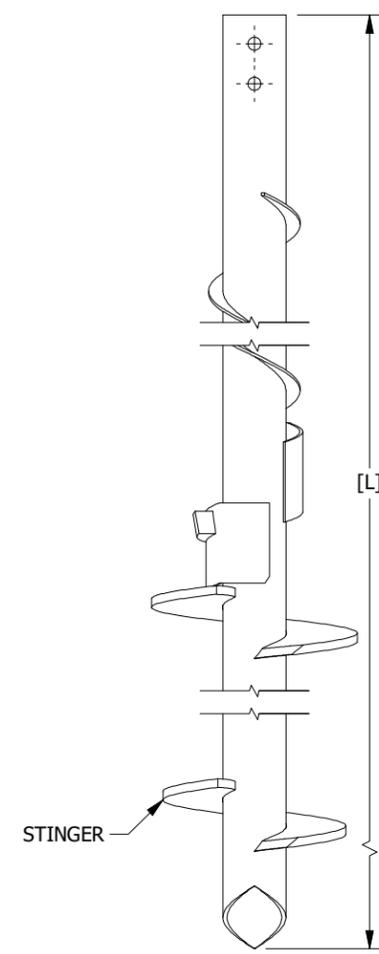
DISPLACEMENT EXTENSION  
(EX: SC1600EXT-550361[L]-8-[Q]D2)



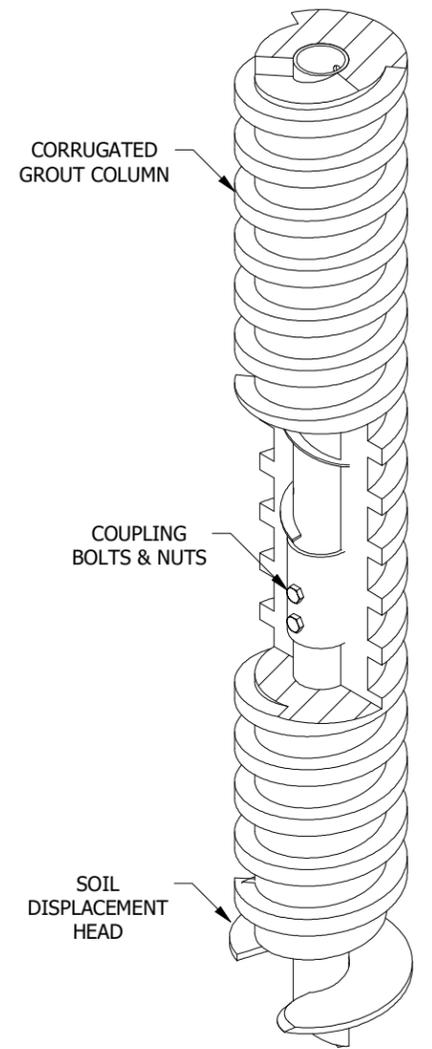
STANDARD LEAD  
(EX: SC1600-550361[L]-181613-8-D2)



MULTIPLE DISPLACEMENT LEAD  
(EX: SC1600-550361[L]-181613-8-[Q]D2)



STINGER LEAD  
(EX: SC1600-550361[L]-181613-8-[Q]D2S16)



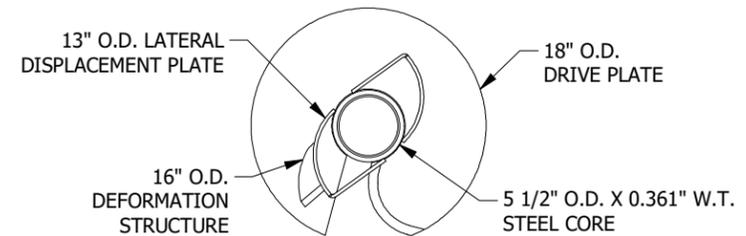
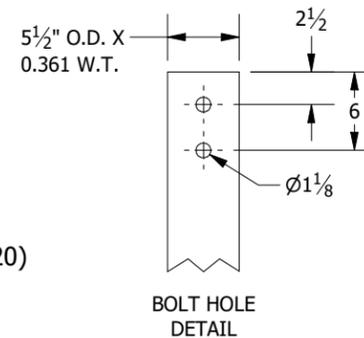
TYPICAL PILE ASSEMBLY ELEVATION VIEW

**NOTES:**

- DISPLACEMENT DRILLED, FULL LENGTH STEEL CORE WITH SOLID GROUT FILL AND UNCASSED OUTER GROUT COLUMN.
- GROUT COLUMN DEFORMATION SHALL HAVE A NOMINAL DIAMETER OF 16".
- STEEL CORE SHALL BE 5 1/2" O.D. X 0.361" W.T. 80 KSI MIN. YLD. AND SHALL HAVE DIRECT CONTACT (SHAFT-TO-SHAFT) AT EACH SPLICE.
- 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.
- ALL WELDING TO BE PERFORMED BY SHOP QUALIFIED WELDORS TO AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
- BARE STEEL.
- (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).
- MAXIMUM TORQUE NOT TO EXCEED 40,000 FT\*LBS.
- 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
- 361 = .361" 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



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

DRAWN AP	4/14/2020
CHECKED LRS	4/15/2020
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 SC1600-550361-2	REV 0	SHEET 1 OF 1
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