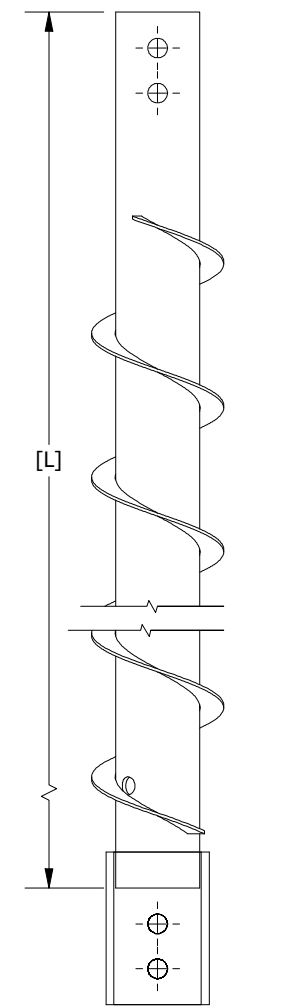
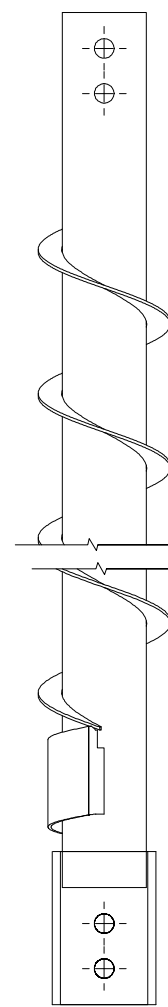


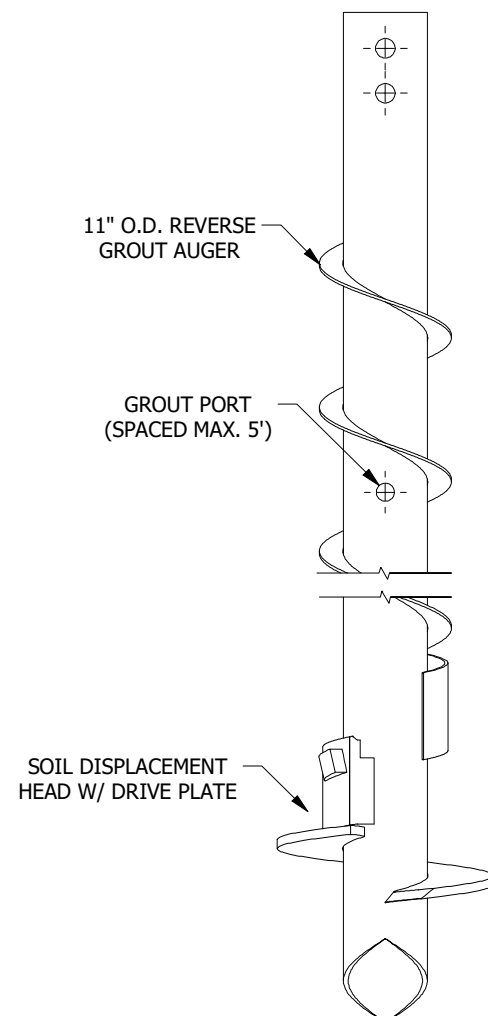
# SC1600-700408-O2 STELCOR LEADS AND EXTENSIONS



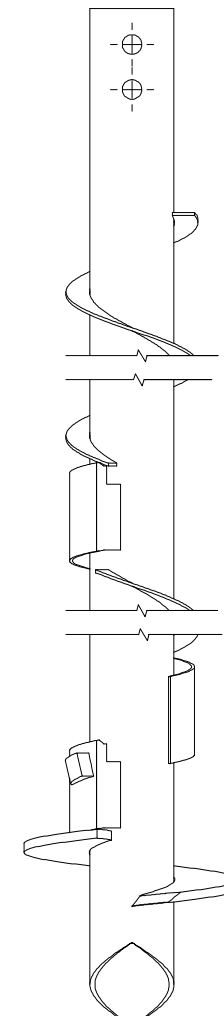
**EXTENSION**  
(EX: SCEXT-700408[L]-11-O2)



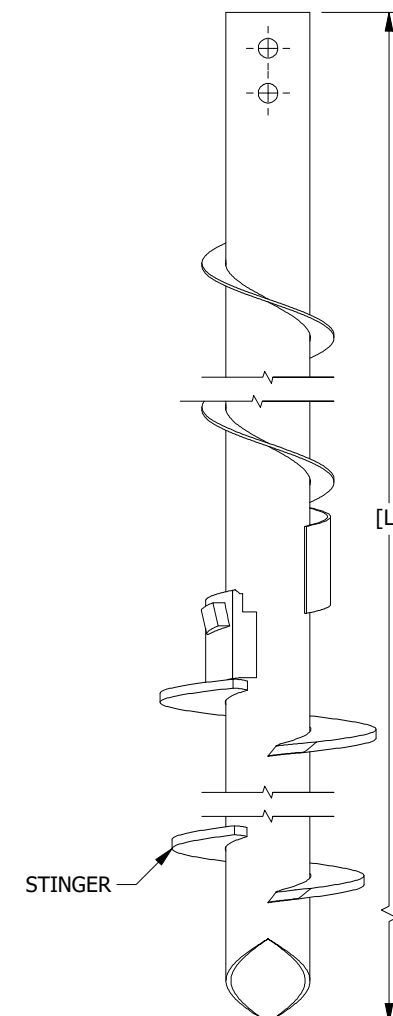
**DISPLACEMENT EXTENSION**  
(EX: SC1600EXT-700408[L]-11-[Q]DO2)



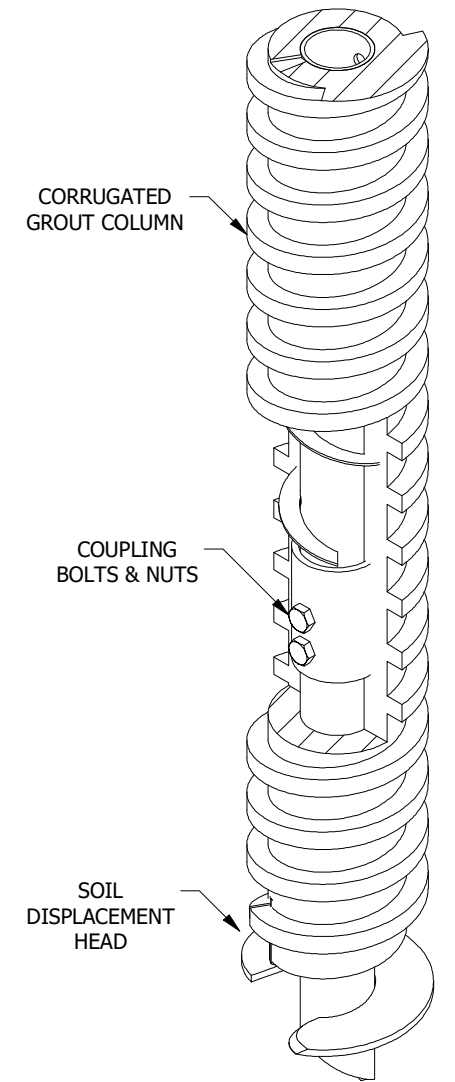
**STANDARD LEAD**  
(EX: SC1600-700408[L]-181613-11-DO2)



**MULTIPLE DISPLACEMENT LEAD**  
(EX: SC1600-700408[L]-181613-11-[Q]DO2)



**STINGER LEAD**  
(EX: SC1600-700408[L]-181613-11-[Q]DO2S16)



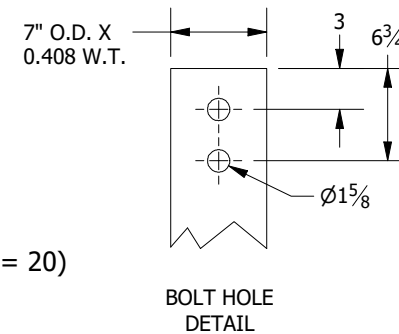
**TYPICAL PILE ASSEMBLY ELEVATION VIEW**

**NOTES:**

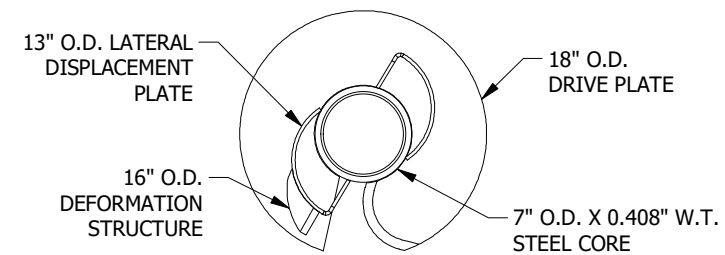
- DISPLACEMENT DRILLED, FULL LENGTH STEEL CORE WITH SOLID GROUT FILL AND UNCASSED OUTER GROUT COLUMN.
- GROUT COLUMN DEFORMATION SHALL HAVE A NOMINAL DIAMETER OF 16".
- STEEL CORE SHALL BE 7" O.D. X 0.408" W.T. 80 KSI MIN. YLD. AND SHALL HAVE DIRECT CONTACT (SHAFT-TO-SHAFT) AT EACH SPLICE.
- LATERAL 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 1/2" DIAMETER X 10" LONG PLAIN FINISH HEAVY HEX BOLT GRADE 8 AND (2) 1 1/2" PLAIN FINISH HEAVY HEX NUT A194 (GRADE 8).
- MAXIMUM TORQUE NOT TO EXCEED 100,000 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
- 700 = 7" O.D. STEEL CORE
- 408 = .408" 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
- 11 = 11" O.D. REVERSE GROUT AUGER
- [Q] = DISPLACEMENT PLATE QUANTITY
- D = ADDITIONAL 13" O.D. DISPLACEMENT PLATE
- O2 = OUTER COUPLER, 2-BOLTED
- 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

DRAWN RMS	1/24/2024
CHECKED DSS	1/24/2024
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 SC1600-700408-O2	REV 0	SHEET 1 OF 1
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