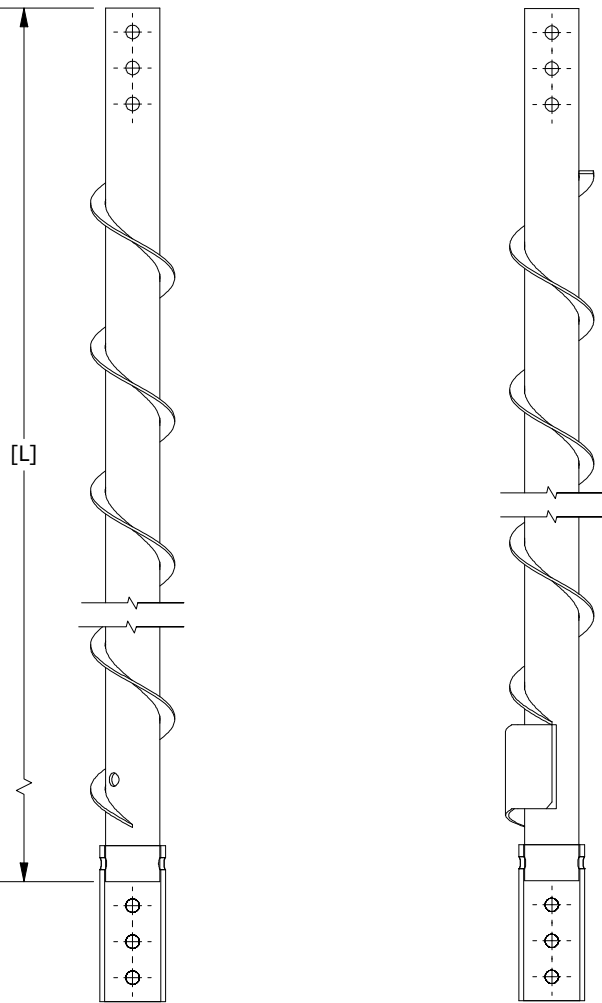
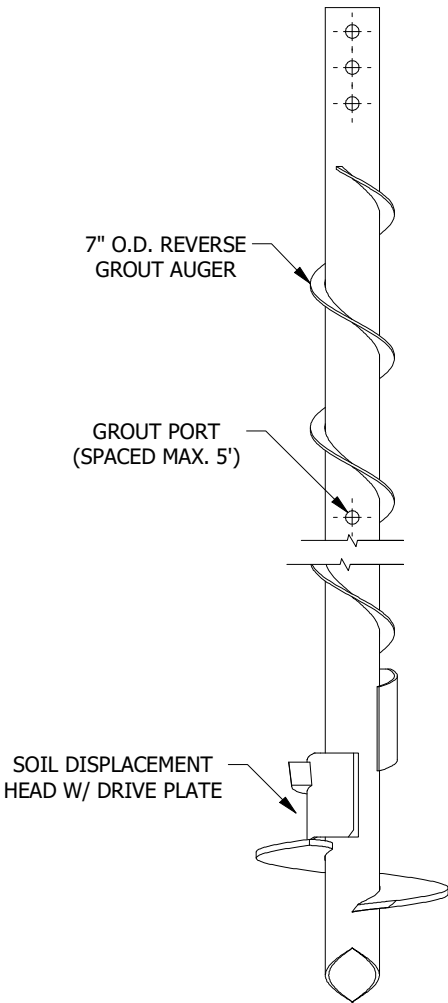


SC1400-450290-3 STELCOR LEADS AND EXTENSIONS

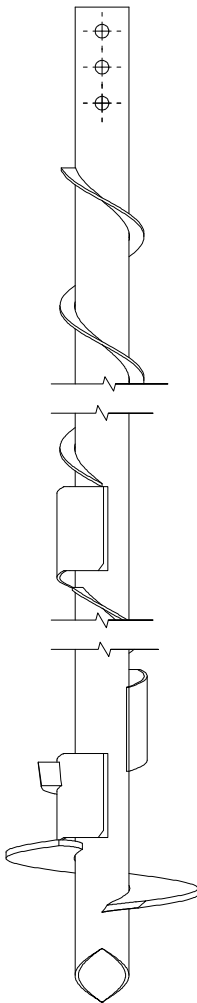


EXTENSION  
(EX: SCEXT-450290[L]-7-3)

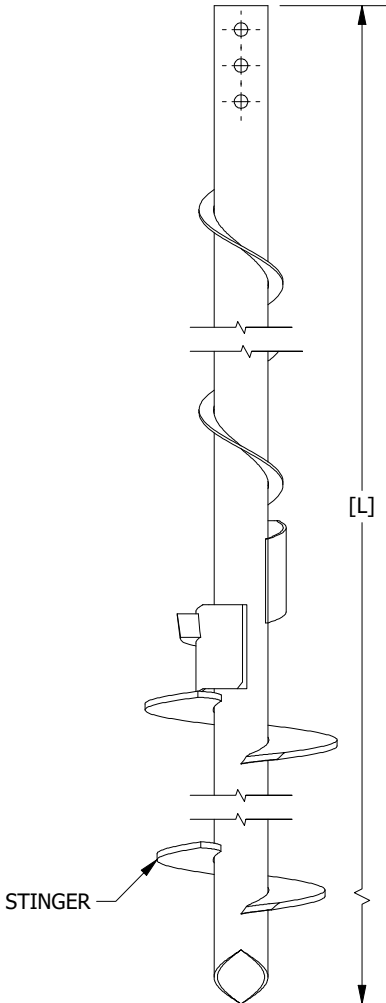
DISPLACEMENT EXTENSION  
(EX: SC1400EXT-450290[L]-7-[Q]D3)



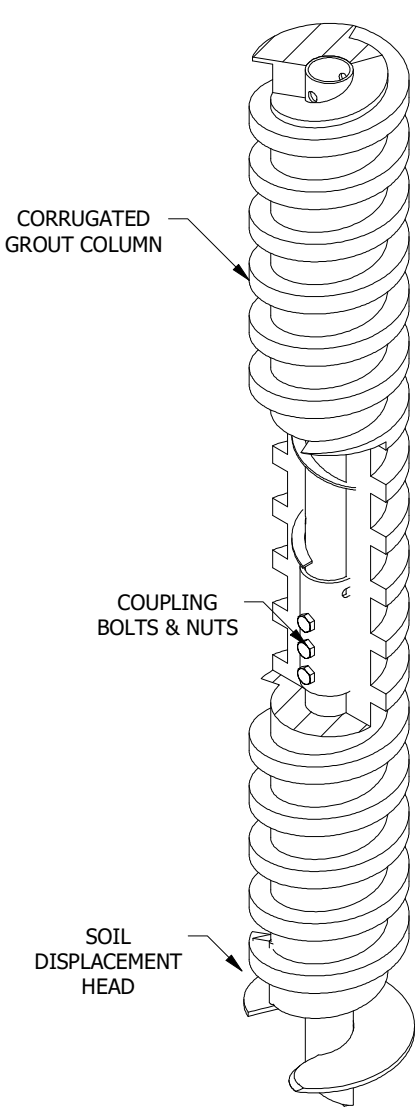
STANDARD LEAD  
(EX: SC1400-450290[L]-161411-7-D3)



MULTIPLE DISPLACEMENT LEAD  
(EX: SC1400-450290[L]-161411-7-[Q]D3)



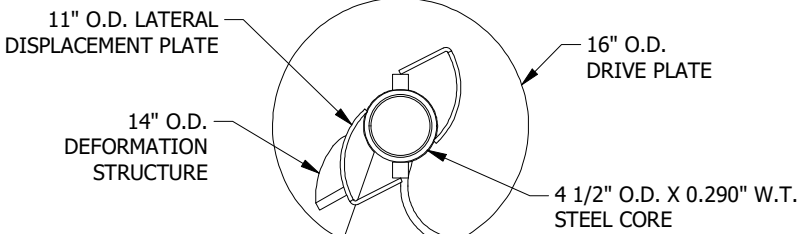
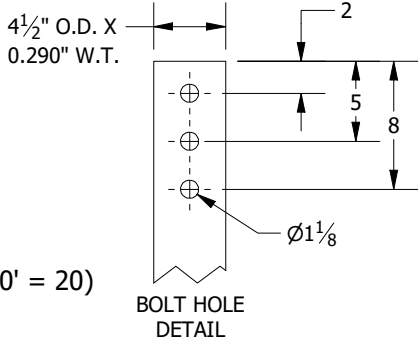
STINGER LEAD  
(EX: SC1400-450290[L]-161411-7-[Q]D3S14)



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 14".
  3. STEEL CORE SHALL BE 4 1/2" O.D. X 0.290" 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. (3) 1" DIAMETER X 7" LONG PLAIN FINISH HEAVY HEX BOLT ASTM A325 AND (3) 1" PLAIN FINISH HEAVY HEX NUT ASTM A194 (GRADE 8).
  8. MAXIMUM TORQUE NOT TO EXCEED 33,500 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  
1400 = 14" NOMINAL GROUT DIAMETER  
EXT = EXTENSION  
450 = 4 1/2" O.D. STEEL CORE  
290 = .290" STEEL CORE WALL THICKNESS  
[L] = SHAFT LENGTH IN FEET (EXAMPLE: 20' = 20)  
16 = 16" O.D. DRIVE PLATE  
14 = 14" O.D. DEFORMATION STRUCTURE  
11 = 11" O.D. DISPLACEMENT PLATE  
7 = 7" O.D. REVERSE GROUT AUGER  
[Q] = DISPLACEMENT PLATE QUANTITY  
D = ADDITIONAL 11" O.D. DISPLACEMENT PLATE  
3 = BOLT QUANTITY  
S = STINGER PLATE  
14 = 14" O.D. STINGER PLATE DIAMETER



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

DRAWN  
AP  
4/13/2020  
CHECKED  
LRS  
4/15/2020  
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NOT TO SCALE ALL UNITS IN INCHES U.N.O.	SIZE B	DWG NO SC1400-450290-3	REV 0	SHEET 1 OF 1
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