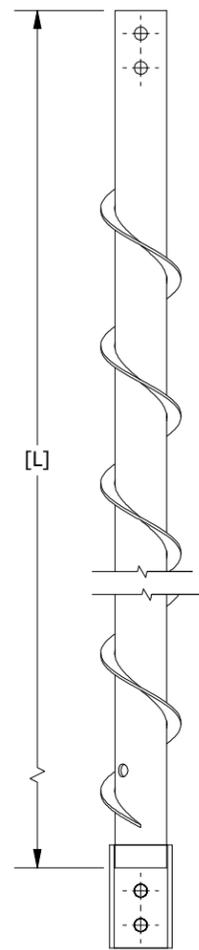
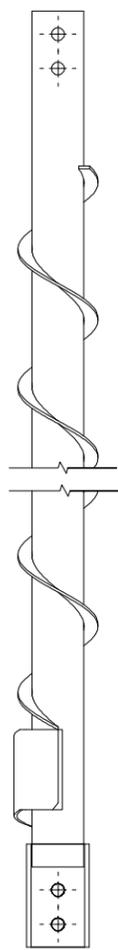


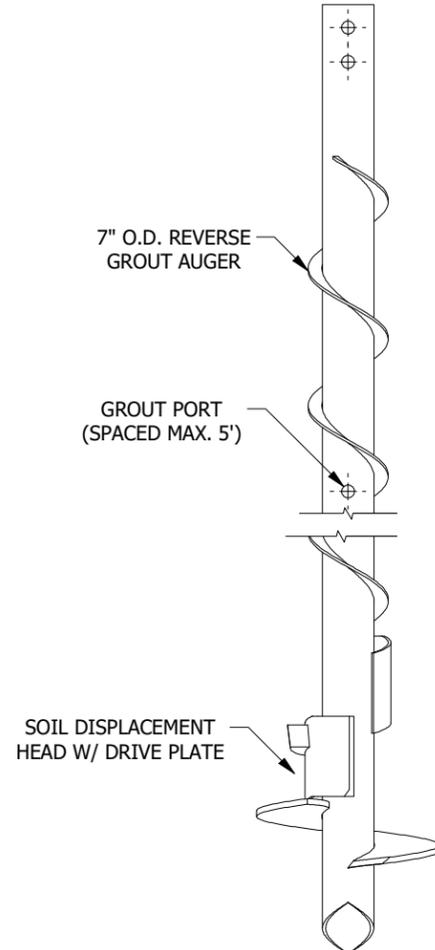
SC1400-450290-2 STELCOR LEADS AND EXTENSIONS



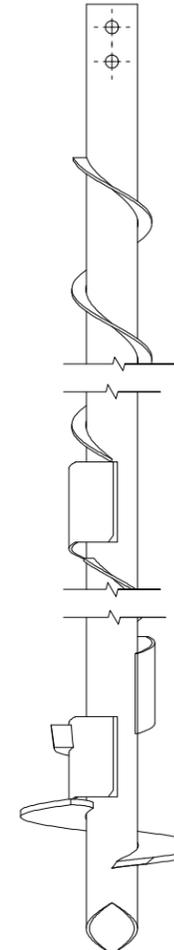
EXTENSION
(EX: SCEXT-450290[L]-7-2)



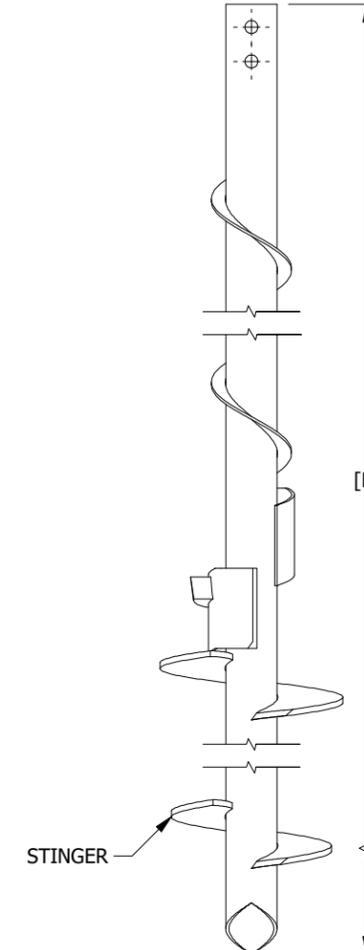
DISPLACEMENT EXTENSION
(EX: SC1400EXT-450290[L]-7-[Q]D2)



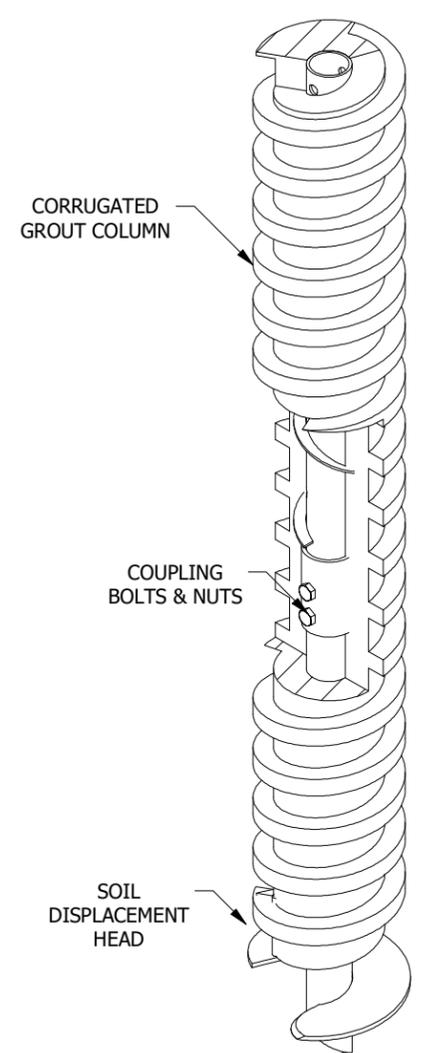
STANDARD LEAD
(EX: SC1400-450290[L]-161411-7-D2)



MULTIPLE DISPLACEMENT LEAD
(EX: SC1400-450290[L]-161411-7-[Q]D2)



STINGER LEAD
(EX: SC1400-450290[L]-161411-7-[Q]D2S14)



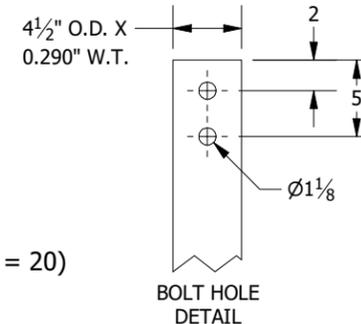
TYPICAL PILE ASSEMBLY
ELEVATION VIEW

NOTES:

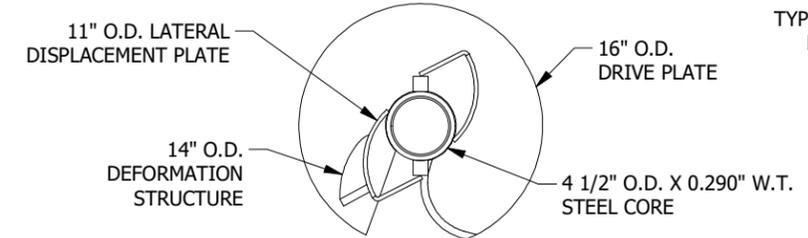
- DISPLACEMENT DRILLED, FULL LENGTH STEEL CORE WITH SOLID GROUT FILL AND UNCASSED OUTER GROUT COLUMN.
- GROUT COLUMN DEFORMATION SHALL HAVE A NOMINAL DIAMETER OF 14".
- STEEL CORE SHALL BE 4 1/2" O.D. X 0.290" W.T. 80 KSI MIN. YLD. AND SHALL HAVE DIRECT CONTACT (SHAFT-TO-SHAFT) AT EACH SPLICE.
- LATERAL 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 7" LONG PLAIN FINISH HEAVY HEX BOLT A325 AND (2) 1" PLAIN FINISH HEAVY HEX NUT ASTM A194 (GRADE 8).
- MAXIMUM TORQUE NOT TO EXCEED 26,500 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
- 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
- 2 = BOLT QUANTITY
- S = STINGER PLATE
- 14 = 14" O.D. STINGER PLATE DIAMETER



BOLT HOLE
DETAIL



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
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 SC1400-450290-2	REV 0	SHEET 1 OF 1
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