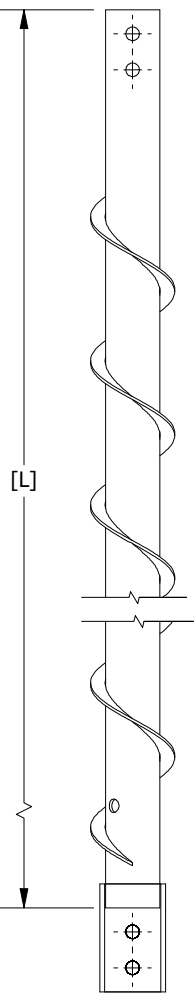
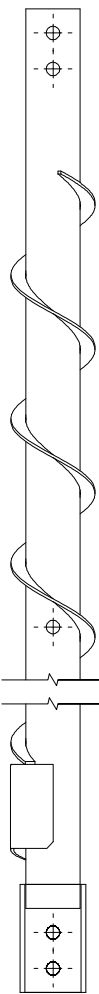


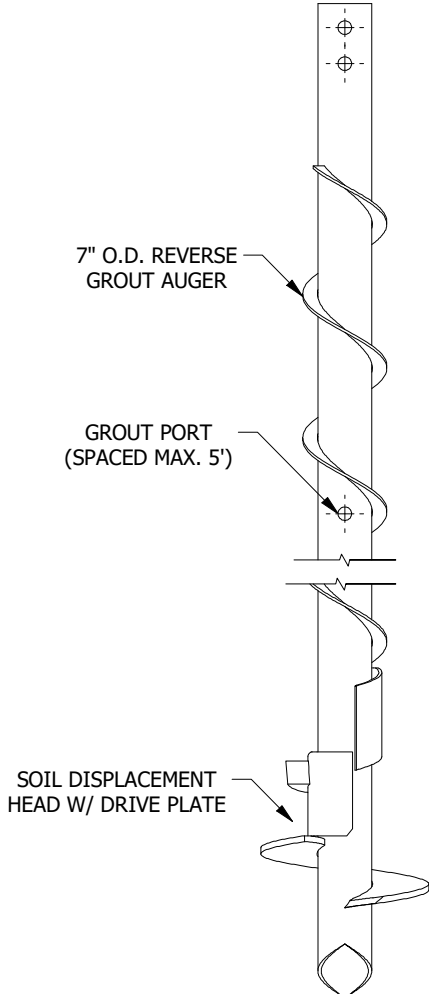
SC1200-450290-2 STELCOR LEADS AND EXTENSIONS



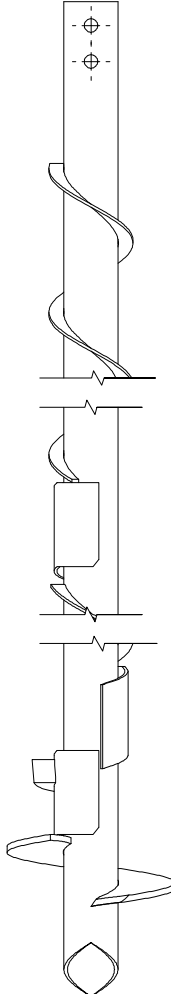
EXTENSION
(EX: SCEXT-450290[L]-7-2)



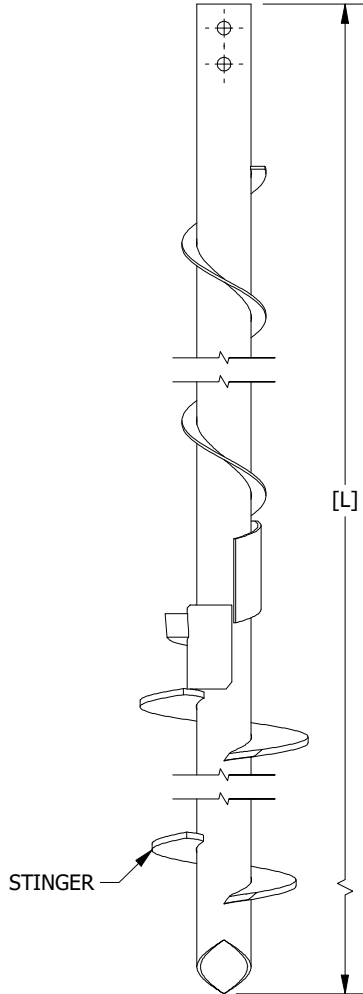
DISPLACEMENT EXTENSION
(EX: SC1200EXT-450290[L]-7-[Q]D2)



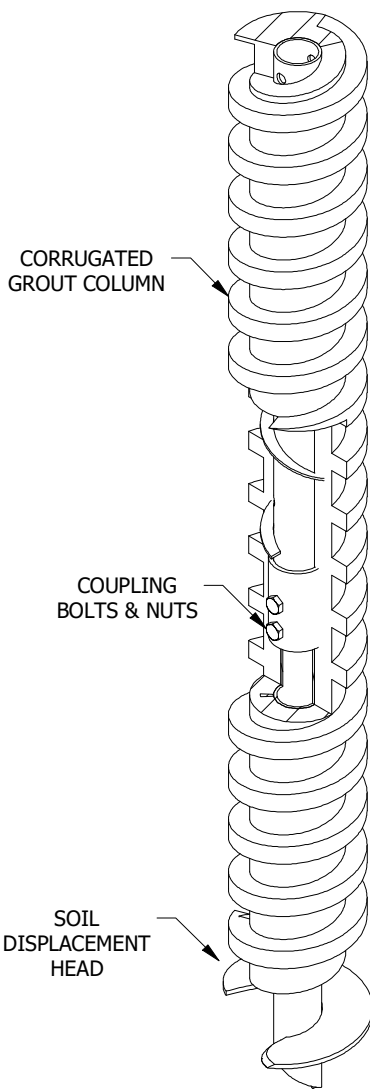
STANDARD LEAD
(EX: SC1200-450290[L]-14129-7-D2)



MULTIPLE DISPLACEMENT LEAD
(EX: SC1200-450290[L]-14129-7-[Q]D2)



STINGER LEAD
(EX: SC1200-450290[L]-14129-7-[Q]D2S12)



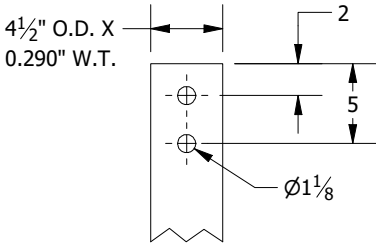
TYPICAL PILE ASSEMBLY
ELEVATION VIEW

NOTES:

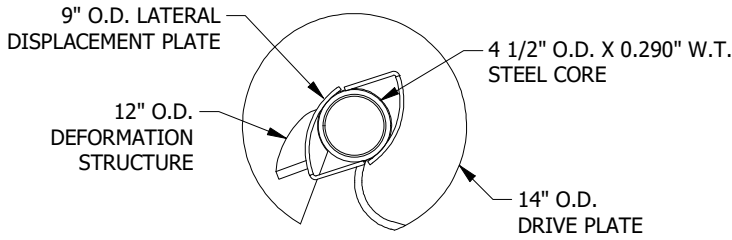
1. DISPLACEMENT DRILLED, FULL LENGTH STEEL CORE WITH SOLID GROUT FILL AND UNCASSED OUTER GROUT COLUMN.
2. GROUT COLUMN DEFORMATION SHALL HAVE A NOMINAL DIAMETER OF 12".
3. STEEL CORE SHALL BE 4 1/2" O.D. X 0.290" W.T. 80 KSI MIN. YLD. AND SHALL HAVE DIRECT CONTACT (SHAFT-TO-SHAFT) AT EACH SPLICE.
4. LATERAL DISPLACEMENT DRILL HEAD SHALL BE FABRICATED OF ASTM A572 GR. 50 PARTS. DRIVE PLATE & STINGER PLATE (IF REQUIRED) TO BE 1/2" 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 7" LONG PLAIN FINISH HEAVY HEX BOLT ASTM A325 AND (2) 1" PLAIN FINISH HEAVY HEX NUT ASTM A194 (GRADE 8).
8. MAXIMUM TORQUE NOT TO EXCEED 26,500 FT*LB.
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
1200 = 12" 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)
14 = 14" O.D. DRIVE PLATE
12 = 12" O.D. DEFORMATION STRUCTURE
9 = 9" O.D. DISPLACEMENT PLATE
7 = 7" O.D. REVERSE GROUT AUGER
[Q] = DISPLACEMENT PLATE QUANTITY
D = ADDITIONAL 9" O.D. DISPLACEMENT PLATE
2 = BOLT QUANTITY
S = STINGER PLATE
12 = 12" 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 | 4/14/2020 |
| 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 SC1200-450290-2 | REV 0 | SHEET 1 OF 1 |
|--|-----------|---------------------------|----------|--------------|