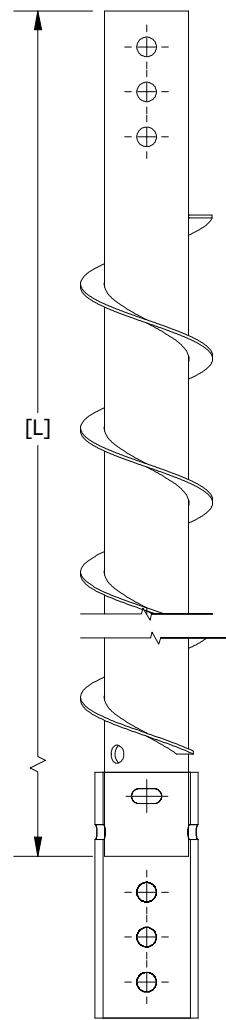
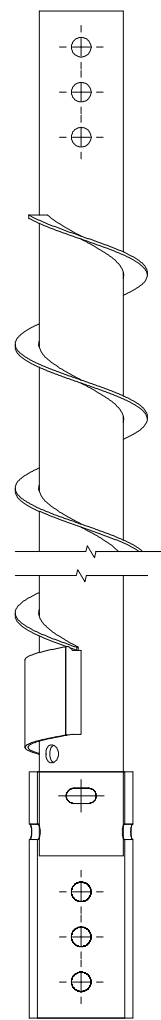


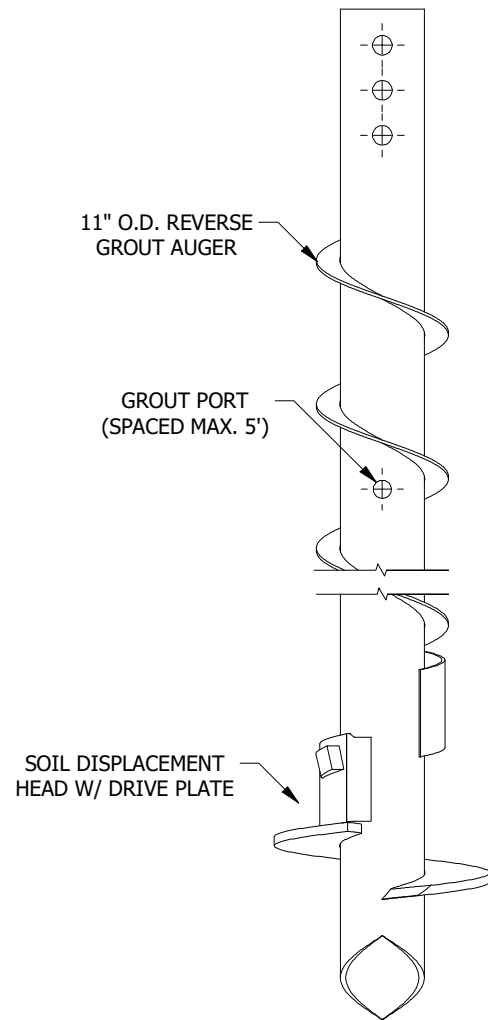
# SC1600-700453 STELCOR LEADS AND EXTENSIONS



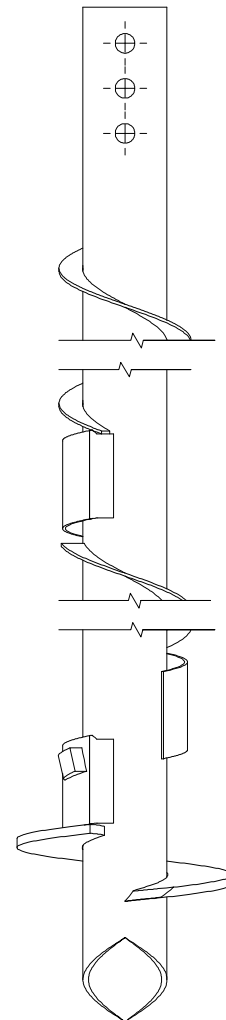
EXTENSION  
(EX: SCEXT-700453[L]-11)



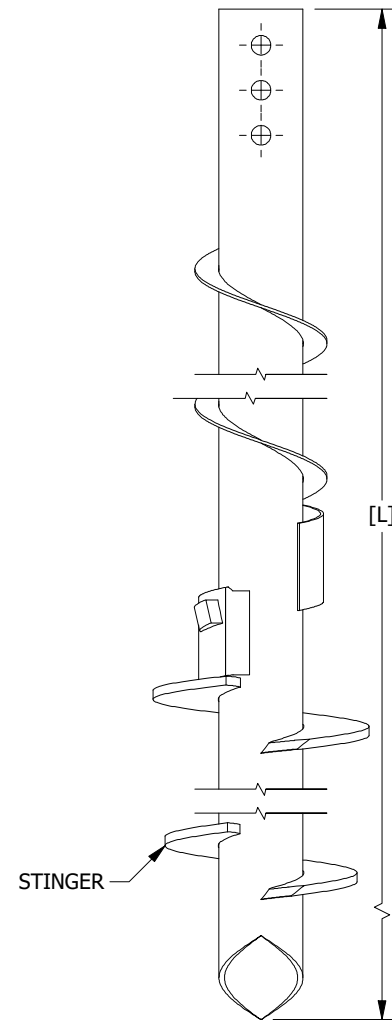
DISPLACEMENT EXTENSION  
(EX: SC1600EXT-700453[L]-11-[Q]D)



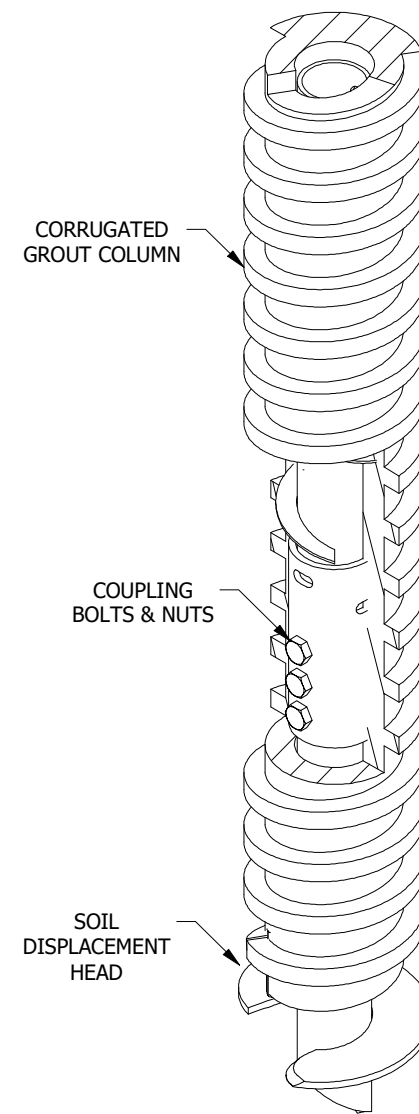
STANDARD LEAD  
(EX: SC1600-700453[L]-181613-11-D)



MULTIPLE DISPLACEMENT LEAD  
(EX: SC1600-700453[L]-181613-11-[Q]D)



STINGER LEAD  
(EX: SC1600-700453[L]-181613-11-[Q]DS16)



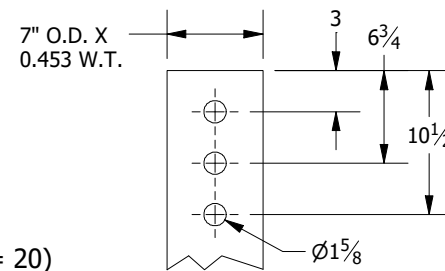
TYPICAL PILE ASSEMBLY  
ELEVATION VIEW

## NOTES:

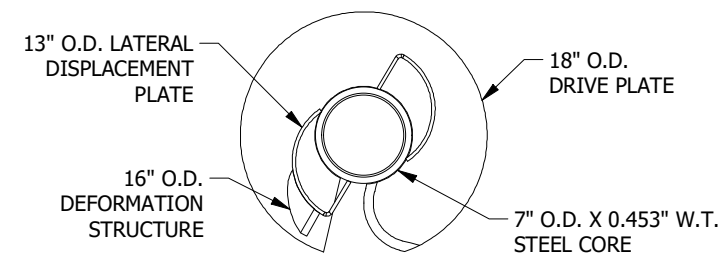
1. DISPLACEMENT DRILLED, FULL LENGTH STEEL CORE WITH SOLID GROUT FILL AND UNCASSED OUTER GROUT COLUMN.
2. GROUT COLUMN DEFORMATION SHALL HAVE A NOMINAL DIAMETER OF 16".
3. STEEL CORE SHALL BE 7" O.D. X 0.453" W.T. 80 KSI MIN. YLD. AND SHALL HAVE DIRECT CONTACT (SHAFT-TO-SHAFT) AT EACH SPLICE.
4. LATERAL 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 1/2" DIAMETER X 12" LONG PLAIN FINISH HEAVY HEX BOLT GRADE 8 AND (3) 1 1/2" PLAIN FINISH HEAVY HEX NUT ASTM A194 (GRADE 8).
8. MAXIMUM TORQUE NOT TO EXCEED 130,000 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  
1600 = 16" NOMINAL GROUT DIAMETER  
EXT = EXTENSION  
700 = 7" O.D. STEEL CORE  
453 = .453" 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  
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

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IDEAL MANUFACTURING, INC. 999 PICTURE PARKWAY WEBSTER, NY 14580 800-789-4810   WWW.IDL-GRP.COM	

NOT TO SCALE  
ALL UNITS IN INCHES U.N.O.



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SIZE B DWG NO  
SC1600-700453

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SHEET 1 OF 1