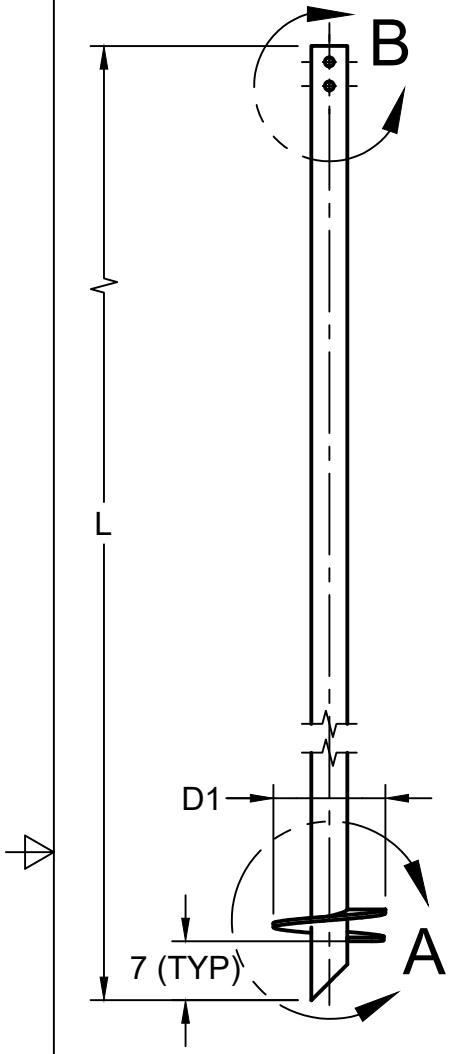
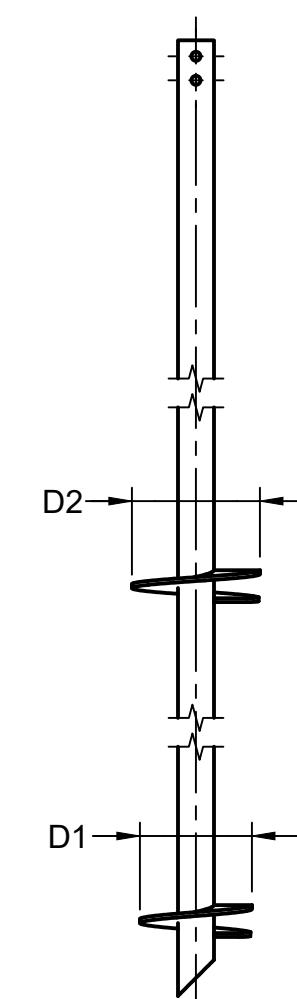


MAXIMUM TORQUE NOT TO EXCEED 26,500 FT-LBS

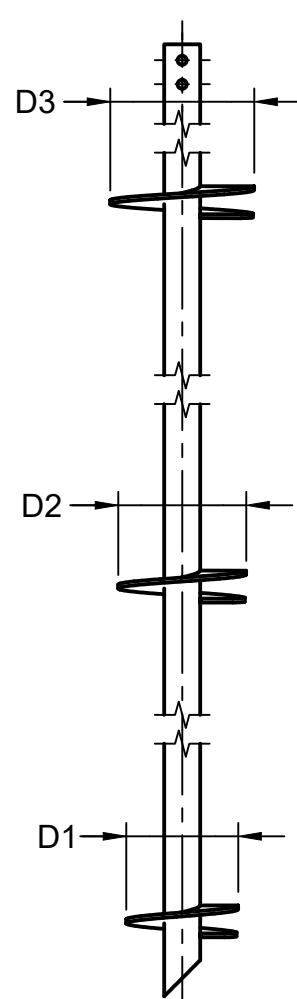
ULTIMATE CAPACITY OF 159 KIPS BASED ON CAPACITY TO TORQUE RATIO OF $K_t = 6 \text{ FT}^{-1}$



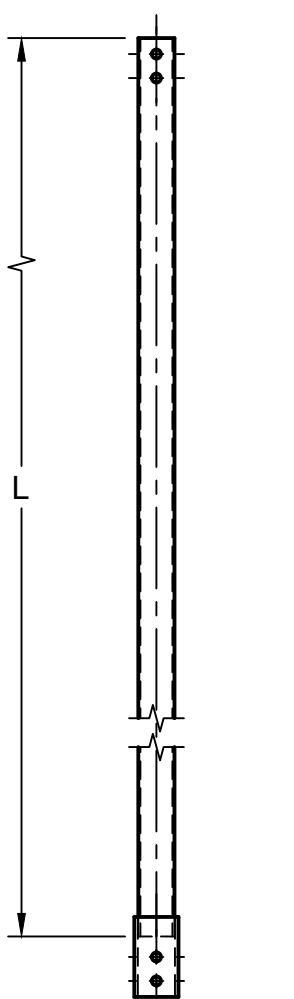
SINGLE HELIX (SH) LEAD
EX: (412290SH[L][D1]X[T]G)



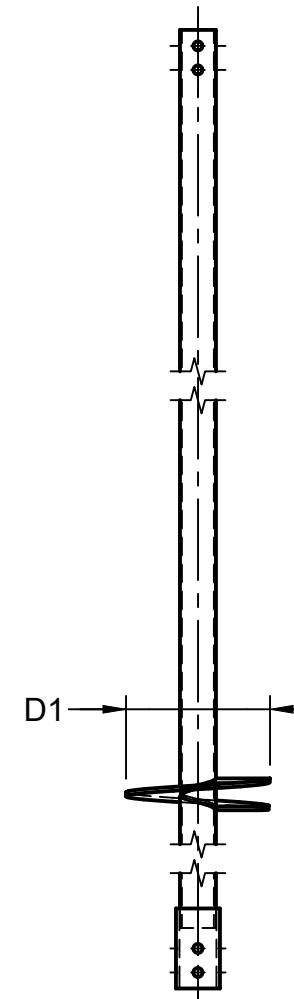
DOUBLE HELIX (DH) LEAD
EX: (412290DH[L][D1,D2]X[T]G)



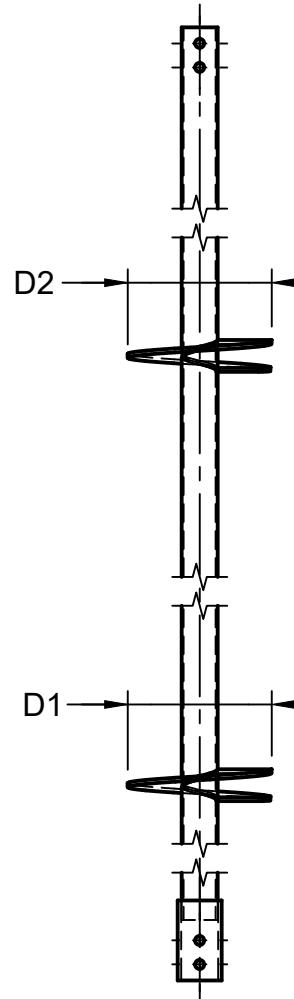
TRIPLE HELIX (TH) LEAD
EX: (412290DH[L][D1,D2,D3]X[T]G)



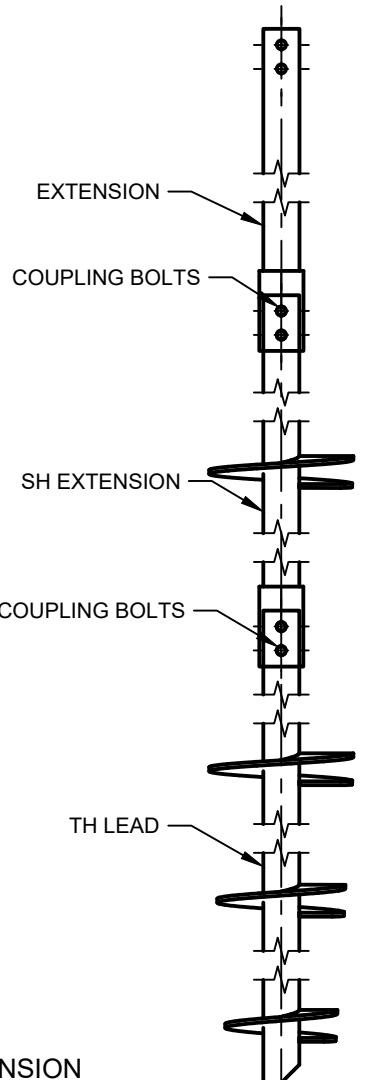
EXTENSION
EX: (412290EXT[L]G)



SINGLE HELIX (SH) EXTENSION
EX: (412290FESH[L][D1]X[T]G)



DOUBLE HELIX (SH) EXTENSION
EX: (412290FESH[L][D1,D2]X[T]G)



TYPICAL PILE ASSEMBLY

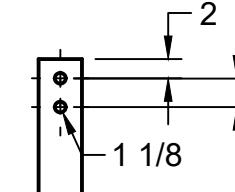
NOTES:

- PILE SHAFT TO MEET OR EXCEED 80 KSI
- PLATE STEEL TO MEET OR EXCEED REQUIREMENTS OF CSA G40.21-13 GRADES 44W/50W AND ASTM A36-19
- ALL HELICES ARE FORMED BY PRESS DIE
- HELIX SPACING IS EQUAL TO (3) TIMES THE DIAMETER OF THE LOWER HELIX
- STANDARD HELIX DIAMETERS INCLUDE 14", 16", 18", & 20". 1/2" THICKNESS.
- ALL WELDING TO BE PERFORMED BY CERTIFIED WELDER IN ACCORDANCE WITH CWB W59-18
- HOT DIP GALVANIZING AS PER CAN/CSA G 164 or ASTM 123
- (2) 1" DIAMETER X 7" LONG HEAVY HEX BOLTS AND 1" HEAVY HEX NUT

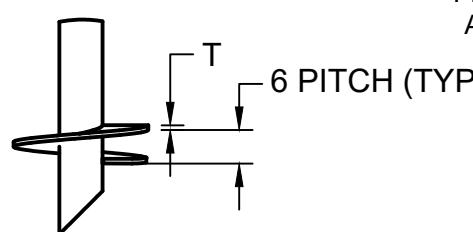
NORTEK SKU # ABBREVIATIONS

412 = SHAFT DIAMETER
290 = SHAFT WALL THICKNESS
L = SHAFT LENGTH IN FT
EXT = EXTENSION
FE = FLIGHTED EXTENSION
D = DIAMETER OF HELIX (EX. 12" = 12)
SH = SINGLE HELIX
DH = DOUBLE HELIX
TH = TRIPLE HELIX
X = SEPARATES HELIX DIAMETERS AND THICKNESSES
[T] = HELIX THICKNESS
G = GALVANIZED

DETAIL B
BOLT HOLES



DETAIL A
HELIX



4.5" x 0.290" W.T HELICAL LEADS & EXTENSIONS



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DWG NO	1		

SHEET 1 OF 1

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