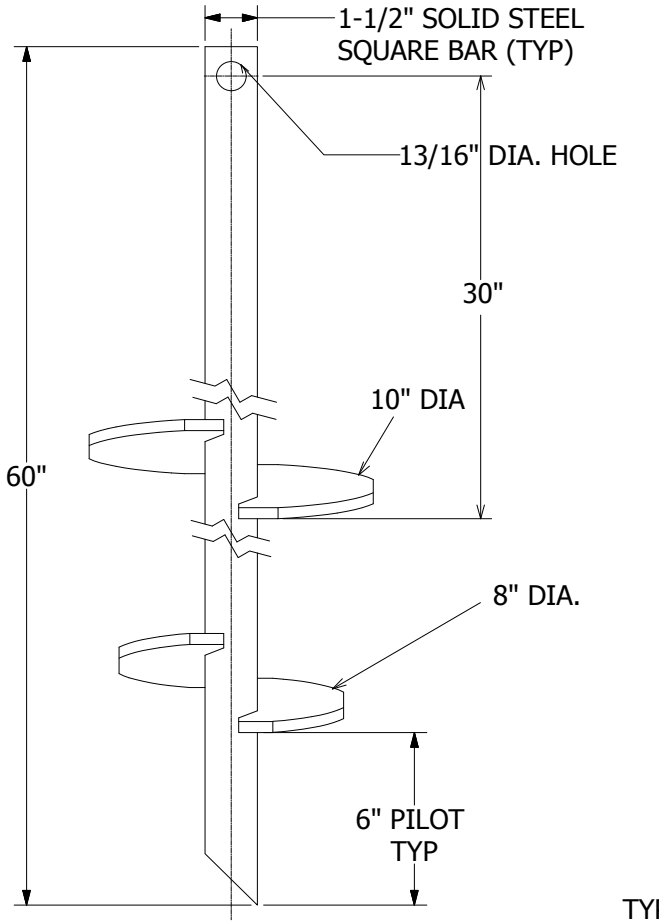
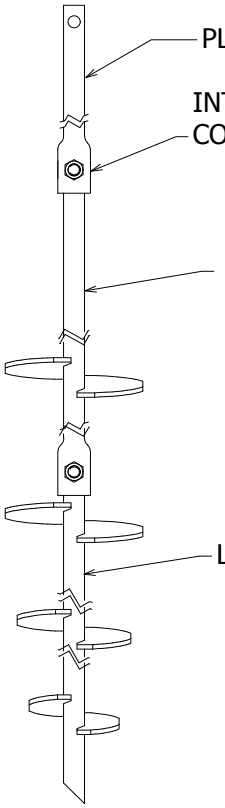
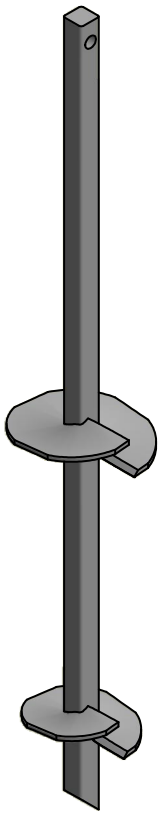




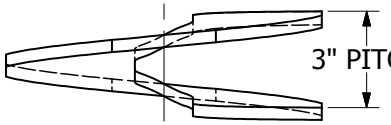
TYPICAL ANCHOR/PIER
ASSEMBLY



TORQUE STRENGTH* RATING-5,700 FT-LB
ULTIMATE CAPACITY (COMPRESSION)-57 KIP
* BASED ON A TORQUE FACTOR (Kt)=10
PER ICC-ES AC358 SECTION 3.13.2
NOMINAL TENSION STRENGTH (COUPLING BOLT)-70 KIP

-NOTES-

1. HOT DIP GALVANIZED PER ASTM A153-(LATEST REVISION).
2. LEAD AND EXTENSION SECTION LENGTHS AND HELIX SPACINGS ARE NOMINAL.
3. SHAFT MATERIAL- HOT ROLLED ROUND-CORNERED-SQUARE (RCS) SOLID STEEL BARS PER ASTM A29: MINIMUM YIELD STRENGTH=70 KSI.
4. HELIX MATERIAL- HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A572, OR A1018, OR A656. MINIMUM YIELD STRENGTH=50 KSI, 3/8" THICK.
5. COUPLING BOLTS : 3/4" DIAMETER X 3" LONG HEX HEAD PER ASTM A325 TYPE 1
6. NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
7. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROLL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
8. ALL WELDIGN TO BE DONE BY WELDERS CERTIFED UNDER SECTION 5 OF THE AWS CODE D1.1.
9. SEE ICC EVALUATION SERVICE INC., EVALUATION REPORT NO. ER5110 FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.



HELIX MUST BE FORMED BY MATING
METAL DIE
(SIDE VIEW OF TRUE HELICAL FORM

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HUBBELL® POWER SYSTEMS, INC.

TITLE
SS5
DOUBLE HELIX LEAD SECTION

SIZE	CAT / PART / ASSY NO.	DWG NO.	REV
C	T150-0443	SA150-0443	-

DO NOT SCALE THIS DRAWING | DRN BY BCT | DATE 04/27/16 | SHEET 1 OF 1