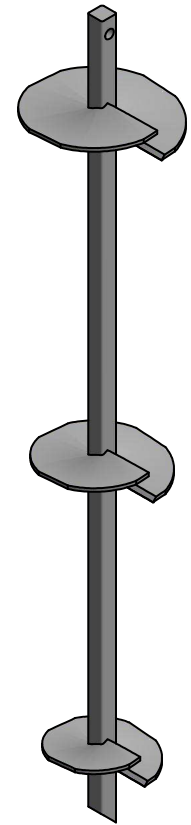


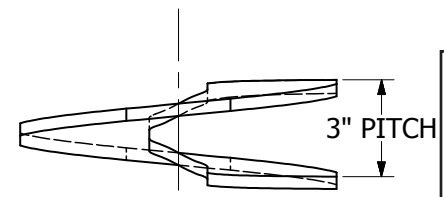
TYPICAL ANCHOR/PIER ASSEMBLY



TORQUE STRENGTH\* RATING-7,000 FT-LB  
 ULTIMATE CAPACITY (COMPRESSION)-70 KIP  
 \* BASED ON A TORQUE FACTOR (Kt)=10  
 SINGLE HELIX ULTIMATE STRENGTH- 40 KIP  
 ULTIMATE TENSION STRENGTH (COUPLING BOLT)-70 KIP

-NOTES-

- HOT DIP GALVANIZED PER ASTM A153-(LATEST REVISION).
- LEAD AND EXTENSION SECTION LENGTHS AND HELIX SPACINGS ARE NOMINAL.
- SHAFT MATERIAL- HOT ROLLED ROUND-CORNERED-SQUARE (RCS) SOLID STEEL BARS PER ASTM A29: MINIMUM YIELD STRENGTH=90 KSI.
- HELIX MATERIAL- HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A656, ORA1018 GRADE 80; MINIMUM YIELD STRENGTH=80 KSI; 3/8" THICK.
- COUPLING BOLTS : 3/4" DIAMETER X 3" LONG HEX HEAD PER ASTM A325 TYPE 1
- NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROLL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- ALL WELDIGN TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- 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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ER-5110
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	POWER SYSTEMS, INC.	
TITLE		
SS150 TRIPLE HELIX ANCHOR		
SIZE	CAT / PART / ASSY NO.	DWG NO.
C	C150-0169	SA150-0159
DO NOT SCALE THIS DRAWING	DRN BY BCT	DATE 04/11/16
		REV - SHEET 1 OF 1

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