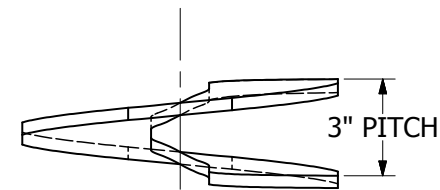


TYPICAL ANCHOR/PIER ASSEMBLY

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, OR A1018 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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	TITLE <b>SS150 TRIPLE HELIX ANCHOR</b>		
SIZE <b>C</b>	CAT / PART / ASSY NO. <b>C150-0163</b>	DWG NO. <b>SA150-0163</b>	REV -
DO NOT SCALE THIS DRAWING	DRN BY BCT	DATE 04/11/16	SHEET 1 OF 1

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