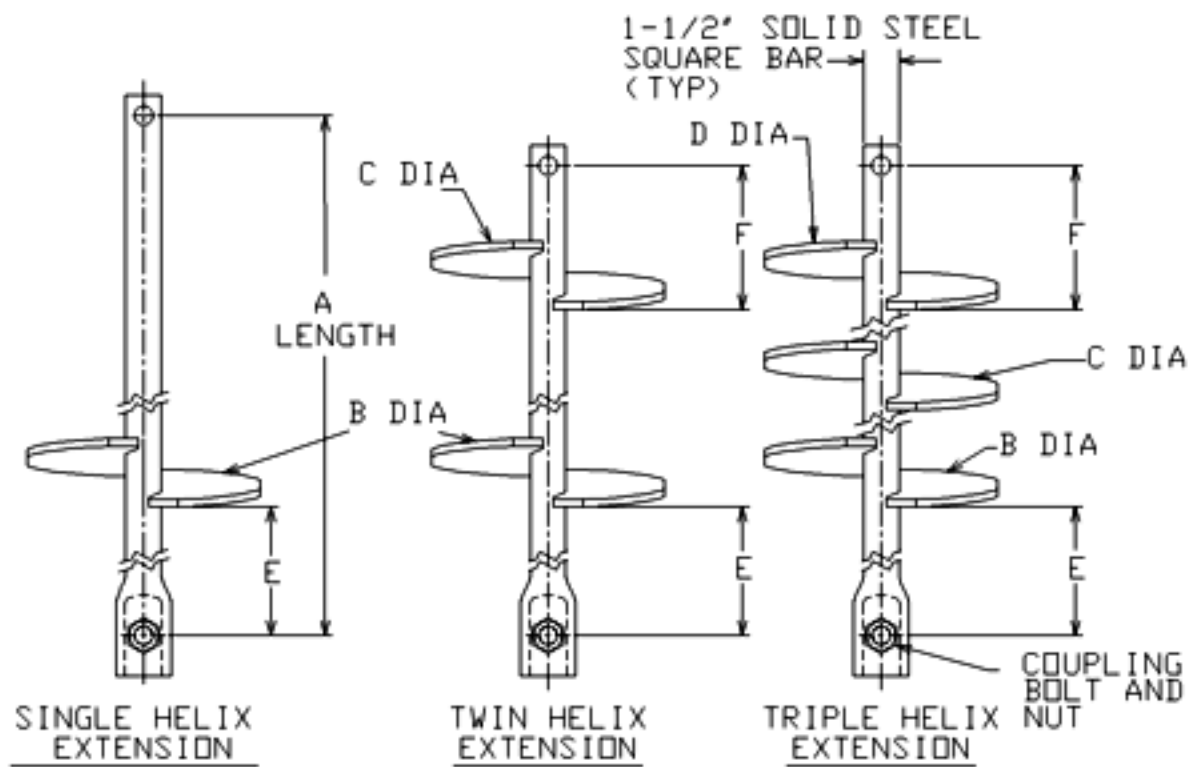


SS150 HELICAL PIERS AND ANCHORS

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

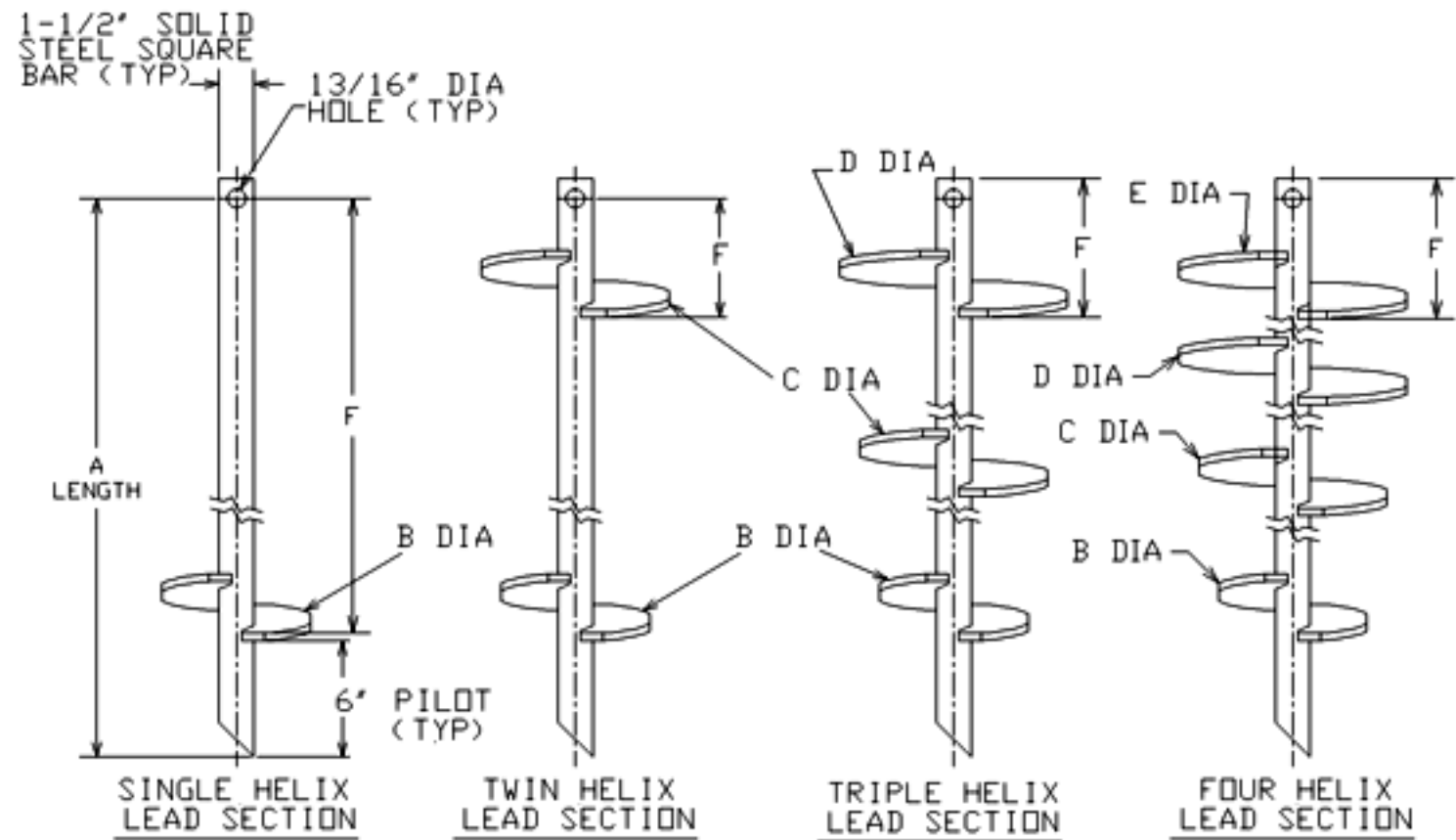


HELICAL EXTENSION SECTION							
CAT. NO.	A	B	C	D	E	F	ICC-ES [†] LISTED
C150-0176	47'	14'			37'		X
C150-0177	81'	14'	14'		37'	8'	X
C150-0178	124'	14'	14'	14'	36'	8'	X

† ICC-ES LISTINGS FORMERLY ICBO, SBCCI, AND BOCA

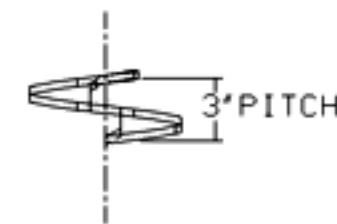
==NOTES==

- 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 A320 GRADE L7.
- NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- SEE ICC EVALUATION SERVICE INC., EVALUATION REPORT NO. ER-5110 FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.
- REFER TO DRAWING SA150-0144 FOR PLAIN EXTENSIONS AND TERMINATIONS.

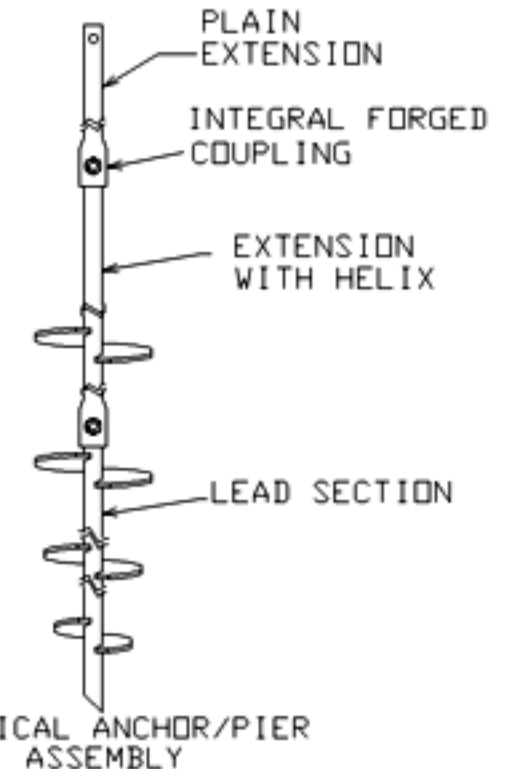


LEAD SECTION							
CAT. NO.	A	B	C	D	E	F	ICC-ES [†] LISTED
C150-0168	35'	8"	10"			6"	X
C150-0169	63'	8"	10"	12"		6"	X
C150-0170	123'	14"	14"	14"		33"	X
C150-0163	82'	10"	12"	14"		10"	X
C150-0400	82-1/4'	6"	8"	10"		34-1/4"	
C150-0490	82'	8"	10"			52"	
C150-0472	63'	8"	10"			33"	
T150-0498*	59'	8"				56"	
C150-0165	123'	8"	10"	14"	14"	10"	

† ICC-ES LISTINGS FORMERLY ICBO, SBCCI, AND BOCA
 * HELIX MATERIAL 1/2" THICK



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



ICC-ES LISTED
RR 94-27

ICC-ES LISTED
ER-9504

ICC-ES LISTED
ER-5110

CHANCE TOLERANCE CHART

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HUBBELL POWER SYSTEMS

TITLE: **SS150 LEADS AND HELICAL EXTENSIONS**

SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
SC	SA150-10013	SEE CHART	G
DO NOT SCALE THIS DRAWING	DRN BY KSH	DATE 4/25/05	SHEET 1 OF 2