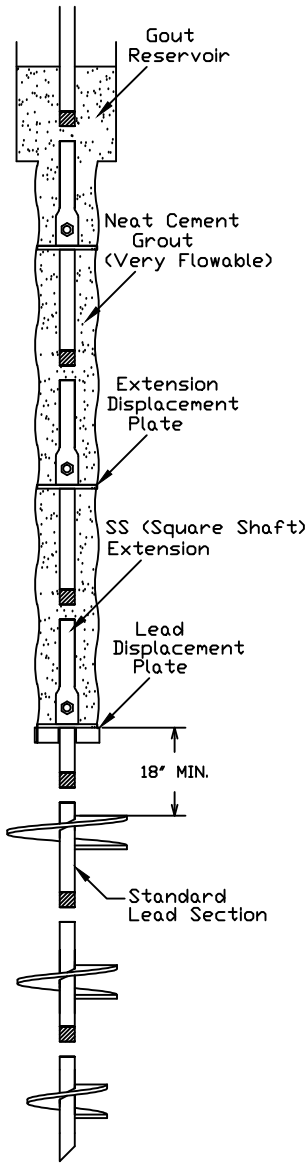
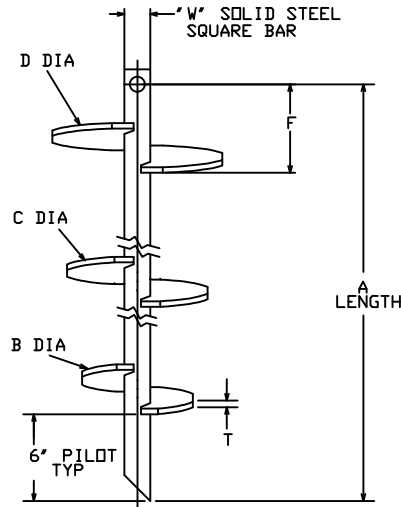


# HELICAL PULLDOWN<sup>1</sup> MICROPILE LEAD SECTIONS

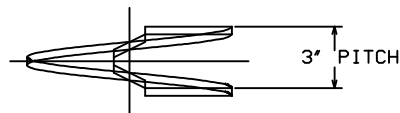


TYPICAL UNCASD APPLICATION

LEAD SECTION										
CAT. NO.	SHAFT MATERIAL	TORQUE RATING (FT-LB)	A	B	C	D	F	W	T	HELIX STEEL GRADE
C1100921	SS5	5500	82.25'	8"	10"	12"	22.25'	1.5"	.375"	50
C1100922	SS175	11000	83'	8"	10"	12"	23'	1.75"	.375"	80



TRIPLE HELIX LEAD SECTION



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

-NOTES-

1. HOT DIP GALVANIZED PER ASTM A153-(LATEST REVISION).
2. LEAD AND EXTENSION SECTION LENGTHS AND HELIX SPACINGS ARE NOMINAL.
3. NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
4. SHAFT MATERIAL-HOT ROLLED ROUND-CORNERED SQUARE (RCS) SOLID STEEL BARS ASTM A29 MINIMUM YIELD STRENGTH=70 KSI (SS5); 90 KSI (SS150, SS175, SS200).
5. HELIX MATERIAL-HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A572, OR A1018, OR A656.
6. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
7. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1. 1.

CHANCE		HUBBELL POWER SYSTEMS	
TITLE HELICAL PULLDOWN MICROPILE			
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DO NOT SCALE THIS DRAWING	DRN BY TLW	DATE 5/24/11	REV -- SHEET 1/1