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Issue / Revisions:

Rev	Description	Date

SHEET TITLE: RS 278217 HELICALS
 SHEET DESCRIPTION: LEADS AND EXTENSIONS
 DATE: 01/15/2023
 DRAWN BY: KTM
 CHECKED BY: SJP

SHEET:

IAN278217

NOTES :

- PIPE SHAFT CONFIRMS TO ASTM A500 GRADE C. 2.875" O.D. 0.217" WALL THICKNESS. MIN. YIELD 80 KSI.
- HELIX MATERIAL - HOT ROLLED LOW CARBON STEEL, PER ASTM A572 GRADE 50; MIN YIELD STRENGTH IS 50 KSI & $\frac{3}{8}$ " THICK.
- MAXIMUM TORQUE NOT TO EXCEED 8200 FT-LBS. ULTIMATE CAPACITY IS 73 KIP, COUPLING ULTIMATE TENSION 60 KIP BASED ON A CAPACITY TO TORQUE RATIO OF $K_t = 9$.
- GALVANIZED AS PER ASTM A153 / ASTM A123.
- ALL HELICES ARE FORMED BY PRESS DIE. LEADING EDGE OF HELICES ARE TAPERED TO IMPROVE INSTALLATION CAPABILITIES.
- HELIX SPACING IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
- ALL WELDING TO BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1:1 STRUCTURAL WELDING CODE - STEEL.
- COUPLER SLEEVE 3.5" X 0.254" THICK.
- COUPLING BOLTS: $\varnothing 0.75$ " X 5" LONG HEX HEAD PER SAE J429 GRADE-8.

RS 278217 (2-7/8") EXTENSIONS	
CATALOG NO.	NOMINAL LENGTH (FT)
IAN278217E-5-G	5
IAN278217E-7-G	7

RS 278217 (2-7/8") LEAD SECTIONS					
CATALOG NO.	PLATE DIAMETER (IN.)			NOMINAL LENGTH (FT)	HELIX GRADE
	A	B	C		
IAN278217L-5-810-G	8	10	-	5	55
IAN278217L-7-810-G	8	10	-	7	55
IAN278217L-5-81012-G	8	10	12	5	55
IAN278217L-7-81012-G	8	10	12	7	55

