

NOTES:

HOT DIPPED GALVANIZED PER ASTM A123

16 14

1.286

.959 .675

10 12

.435

 ∞

.239

4 1/2 Tubular

Torque Rating

Leads

SHAFT DESIGNATION

(0.337 wall)(0.250 wall)

48,000 30,000 (lb-ft)

- LEAD LENGTHS AND HELIX SPACINGS ARE NOMINAL
- MATERIAL YIELD STRENGTH: 80KSI MIN FOR TUBULAR SHAFT, 50KSI MIN FOR, 3/8" OR 1/2" THICK PLATE/HELIX PER ASTM A572 G50
- AWS CODE D1.1 ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE
- S REFER TO DRAWING TE412 FOR EXTENSION SECTIONS

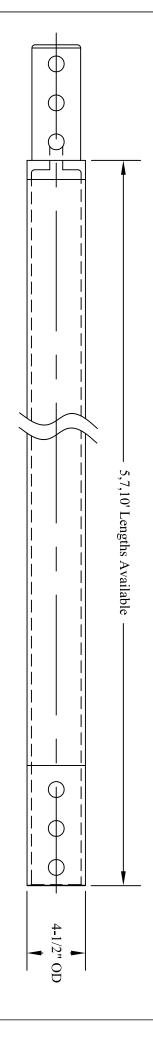
HELICAL ANCHORS INC



			DWO IVO.
			DWG NO
	A TL412	11/04/10	DATE:
REV	DKM SIZE PART/CAT NO./ SKU NO.	DKM	DRAWN BY:
DS	4-1/2 TUBULAR LEADS	TAINS RMATION OF RMC, THIS VI BE REPRODUCED JUT THE EXPRESS VIN OF HELICAL	THIS DRAWING CONTAINS CONEIDENTIAL INFORMATION OF HELICAL ANCHORS INC THIS DOCUMENT MAY NOT BE REPRODUCED IN ANY FORM WITHOUT THE EXPRESS WAITTEN FERMISSION OF HELICAL ANCHORS INC.

SCALE: NOT TO SCALE

SHEET 1/1



48,000	(0.337 wall)
30,000	(0.250 wall)
(lb-ft)	Extensions
Torque Rating	4 1/2 Tubular
SIGNATION	SHAFT DESIGNATION

ASTM A325	1-1/8 HEX NUT
ASTM A325	1-1/8" x 6.5" LONG H.H. BOLT
BOLT TYPE	DESCRIPTION
NUT	COUPLING BOLT AND NUT

NOTES:

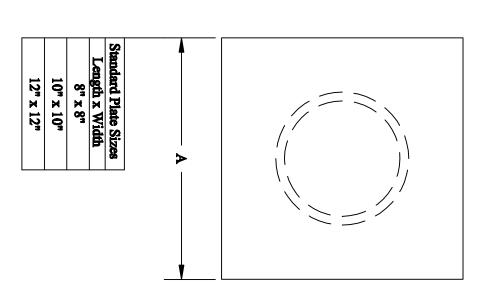
- 1. HOT DIP GALVANIZED PER ASTM A123
- MINIMUM YIELD MATERIAL STRENGTH: 80 KSI FOR TUBE, 107 KSI FOR PIN & BOX, 50 KSI FOR FLIGHTS (IF APPLICABLE)
 HELICES ON EXTENSION ARE AVAILABLE IN 3/8" OR 1/2" THICK PLATE PER
- ASTM A572 G50
- REFER TO DRAWING TL412 FOR LEAD SECTIONS
 ALL WELDING TO BE DONE BY WELDERS CER'
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1

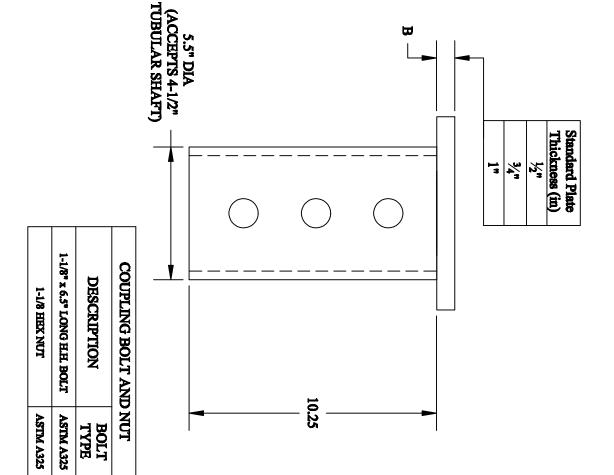
	A TE412	11/02/10	DATE:
REV	SIZE PART/ CAT NO./ SKU NO.	c DKM	DRAWN BY:
	4-1/2 TUBULAR EXTENSIONS	THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION OF EELICAL ANCHORES INC. THIS DOCUMENT MAY NOT BE REPRODUCED IN ANY TORAL WITHOUT THE EXPRESS WRITTEN PERMISSION OF HELICAL ANCHORS INC.	THIS DRAWING CONTAINS CONFIDENTIAL INFORMATIO) HELICAL ANCHORS INC. THIS DOCUMENT MAY NOT BE REI IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF HE

SCALE: NOT TO SCALE

SHEET 1/1

HELICAL ANCHORS INC.





NOTES:

- FINISH: PLAIN OR GALVANIZED PER ASTM A123
 MATERIAL YIELD STRENGTH: 80KSI MIN FOR TUBE, 36KSI MIN FOR PLATE
 HOLE PATTERN SHALL MATCH THAT OF THE CORRESPONDING EXTENSION SECTION
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1

Direction.	DATE:	DRAWN BY:	THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION OF BELICAL ANCIDES INC. THIS DOCUMENT MAY NOT BE REPRODUCED IN ANY FORM WITHOUT THE EXPRESS WRITTEN PERMISSION OF HELICAL ANCHORS INC.	HELI
	02.04.16	DLW	IAINS RMATION OF REMATION OF IT BE REPRODUCED ON OF HELICAL	CAL AI
SCALE: NOT TO SCALE	A NCCH412	SIZE PART/CAT NO./ SKU NO.	4-1/2 New Construction (5-1/2 OD Pipe	HELICAL ANCHORS INC.
SHEET		Ć	uction (Helical