



BOLTS AND NUTS	
DESCRIPTION	GRADE
7/8" x 10" FULLY THREADED W/ NUT	GRADE 5
5/8" x 4.5" HEAVY HEX BOLT W/ NUT	GRADE 5

- NOTES:
- HOT DIP GALVANIZED PER ASTM A153
  - DO NOT EXCEED 165 FT-LBS OF TORQUE ON 7/8" DIA LIFTING BOLTS DURING STABILIZATION OR LOAD LOCK-OFF
  - RECOMMENDED ANCHOR SHAFT CUTOFF LEVEL ABOVE THE BOTTOM OF THE FOOTING IS 10" TO 11" FOR MAXIMUM LIFT DISTANCE
  - BRACKET MATERIAL 5/16" THICK HOT ROLLED STEEL PER ASTM A36
  - MAXIMUM ULTIMATE BRACKET SYSTEM STRENGTH OF 80,000 LBS
  - ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1
  - CAPACITY OF THE BRACKET SYSTEM IS THE FUNCTION OF THE FOUNDATION, PIER SHAFT, HELICAL PLATE, AND BEARING CAPACITY OF SOIL. THIS ALSO INCLUDES THE STRENGTH OF THE FOUNDATION TO BRACKET CONNECTION, AND THE QUALITY OF THE PIER INSTALLATION.
  - REFER TO DRAWING TS238, TS278, AND SS175 FOR PIER SECTIONS

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### St. Helical Bracket, 80k

DRAWN BY:	DKM	SIZE	PART/CAT NO./SKU NO.	REV
DATE:	11/30/10	A	SDBTP80	
DWG NO.		SCALE: NOT TO SCALE		SHEET 1/1