



TYPICAL INSTALLATION
FOUNDATION REPAIR BRACKET
WITH SS5/SS150 AND CAST
TRANSITION TO RS2875

C150-0121 ACCEPTS
RS2875. 203 AND RS2875. 203
SHAFTS

-NOTES-

- HOT DIP GALVANIZE PER ASTM A153-(LATEST REVISION).
- ASSEMBLE COMPLETE AS SHOWN IN SIDE VIEW.
- DO NOT EXCEED 165 FT-LBS OF TORQUE ON 7/8" DIA LIFTING BOLTS DURING STABILIZING OR LOAD LOCK-OFF.
- RECOMMENDED ANCHOR SHAFT CUTOFF LEVEL ABOVE THE BOTTOM OF THE FOOTING IS 10" TO 11" FOR MAXIMUM LIFT DISTANCE.
- FOR DETAILED INSTALLATION INSTRUCTIONS, READ CHANCE BULLETIN 01-9812.
- MATERIAL SPECIFICATIONS:
BRACKET BODY : PER ASTM A36 AND ASTM A570 GR. 50.
T-PIPE TUBE : HOT ROLLED MECHANICAL TUBING PER ASTM A500.
LIFTING BOLTS : HEX HEAD BOLT PER SAE J429 GRADE 5.
CROSS BOLT : HEX HEAD BOLT PER SAE J429 GRADE 5.
- THE CAPACITY OF THE UNDERPINNING SYSTEM IS A FUNCTION OF MANY INDIVIDUAL ELEMENTS, INCLUDING THE CAPACITY OF THE FOUNDATION, BRACKET, PIER SHAFT HELICAL PLATE, AND BEARING STRATA, AS WELL AS THE STRENGTH OF THE FOUNDATION TO BRACKET CONNECTION AND THE QUALITY OF PIER INSTALLATION. COLUMN THREE OF THE TABLE SHOWS TYPICAL UNDERPINNING SYSTEM CAPACITIES THAT ARE ACHIEVABLE UNDER NORMAL CONDITIONS. YOUR ACHIEVABLE CAPACITIES COULD BE HIGHER OR LOWER DEPENDING ON THE ABOVE FACTORS.

UNDERPINNING SYSTEM PER PIER/BRACKET LOAD RATINGS (SEE NOTE-7)								
ANCHOR TYPE	BRACKET	T-PIPE	ASD ALLOWABLE STRENGTH IN AXIAL COMPRESSION (KIPS)					
			2500 PSI CONCRETE		3000 PSI CONCRETE		4000 PSI CONCRETE	
			FIRM SOIL	SOFT SOIL	FIRM SOIL	SOFT SOIL	FIRM SOIL	SOFT SOIL
RS2875. 203	C150-0121	*C278-0001	23.2	23.2	23.2	23.2	23.2	23.2
RS2875. 203	C150-0121	C278-0002	26.3	26.3	29.9	29.9	29.9	29.9
RS2875. 276	C150-0121	*C278-8012	23.2	23.2	23.2	23.2	23.2	23.2
RS2875. 276	C150-0121	C278-8011	34.6	32.4	38.1	32.5	39.6	38.5

* DENOTES T-PIPES WITH SQUARE TUBING TOP INSTEAD SOLID ROUND CORNER SQUARE BAR.

CHANCE
TOLERANCE CHART

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TITLE BRACKET, STANDARD UNDERPINNING BRACKET

SIZE DWG NO. CAT / PART / ASSY NO. REV
SB SA1500121CT C150-0121 A

DO NOT SCALE THIS DRAWING DRN BY JWH DATE 5/21/13 SHEET 1 OF 1