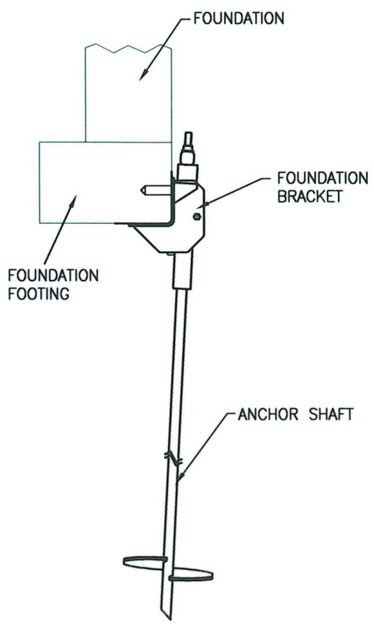
FOUNDATION REPAIR BRACKET
(UNDERPINNING BRACKET)

DISCLAIMER

1. The information and sketches contained in these drawings are given as guidelines only.
2. Capacities of Chance Helical Piles/Anchors may vary depending on, but not limited to, water table elevation and changes to that elevation, changing soil conditions, soil layer thicknesses.
3. Achievable capacities could be higher or lower than ratings due to site-specific conditions. On site load testing should be performed to confirm additional pile/anchor capacities.
4. Installed capacities to be verified on site by a registered Professional Engineer.
5. The information contained herein is to be used for preliminary design activities only, and subject to EBS' Website Disclaimer.

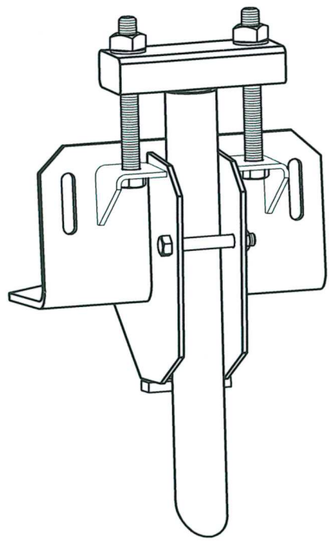
NOTES

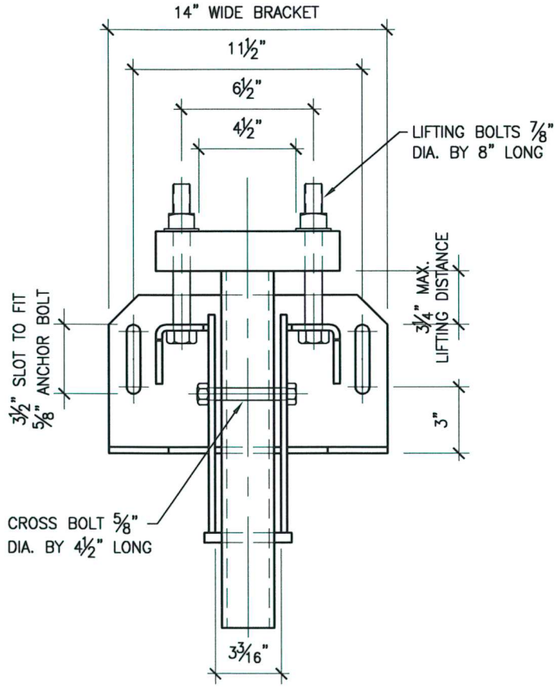
1. HOT DIP GALVANIZED PER ASTM A153-(LATEST REVISION).
2. ASSEMBLED COMPLETE AS SHOWN IN SIDE VIEW.
3. COVERED BY ONE OR MORE OF THE FOLLOWING UNITED STATES PATENTS: 5,011,336 5,120,163 5,213,448.
4. DO NOT EXCEED 165 FT-LBS OF TORQUE ON 7/8" DIA LIFTING BOLTS DURING STABILIZING OR LOAD LOCK-OFF.
5. RECOMMENDED ANCHOR SHAFT CUTOFF LEVEL ABOVE THE BOTTOM OF THE FOOTING IS 10" TO 11" FOR MAXIMUM LIFT DISTANCE.
6. FOR DETAILED INSTALLATION INSTRUCTIONS, READ CHANCE BULLETIN 01-9812.
7. MATERIAL SPECIFICATIONS:
   BRACKET BODY: PER ASTM A36 AND ASTM A570 GRADE 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.
8. THE C150-0299 BRACKET HAS A MINIMUM ULTIMATE STRENGTH OF 80,000 LBS. A FACTOR OF SAFETY OF 2 YIELDS A SAFE WORKING LOAD OF 40,000 LBS FOR THE BRACKETS ONLY.
9. 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.



TYPICAL INSTALLATION
FOUNDATION REPAIR BRACKET

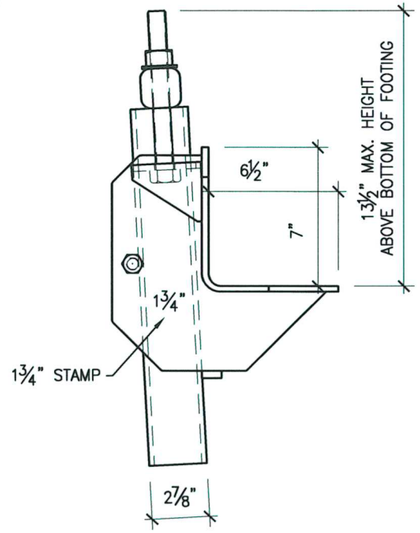
SCALE: N.T.S.





REAR VIEW

SCALE: N.T.S.



SIDE VIEW

ACCEPTS SS175 1¾" SHAFTS
AND SS5 1½" SHAFTS

SCALE: N.T.S.

BRACKET LOAD RATING (SEE NOTE-9)		
ANCHOR TYPE	MINIMUM ULTIMATE STRENGTH	WORKING LOAD 2.0 SAFETY FACTOR
SS5 / SS175	80,000 LB	40,000 LB

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PROJECT: SAMPLE

DRAWING: FOUNDATION REPAIR BRACKET (UNDERPINNING)

DRW'N BY:	SCALE: N.T.S.
CHECKED:	DATE: NOVEMBER 2012
PROJECT No.:	DWG. No.: