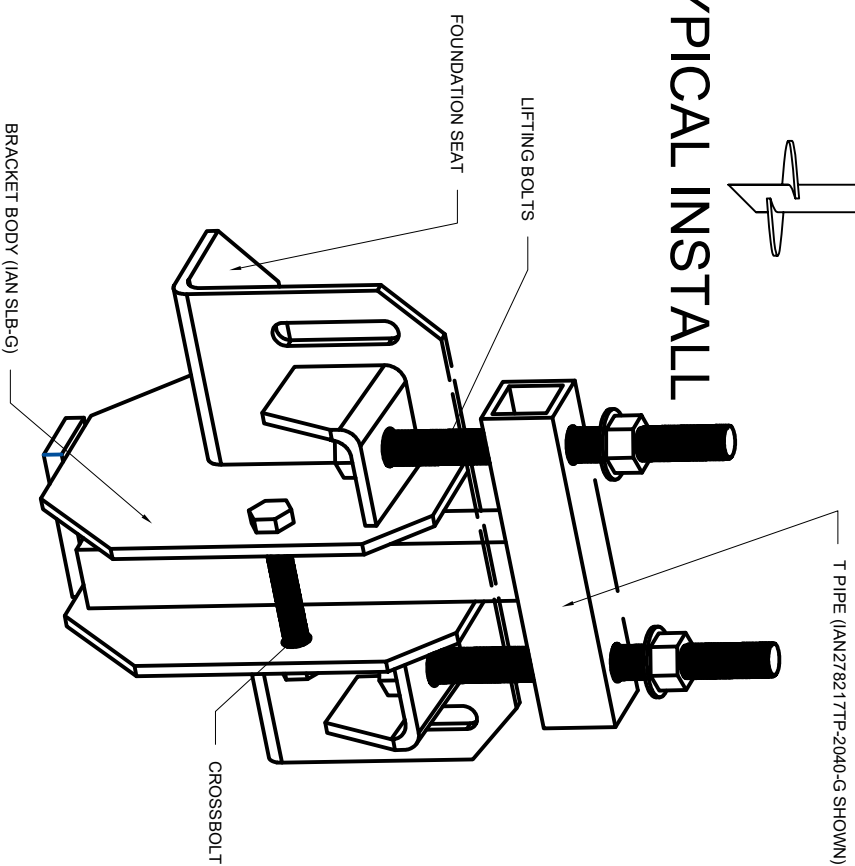


- NOTES:
- HOT DIP GALVANIZED AS PER ASTM A153
 - THE NUTS ON LIFTING BOLTS AND CROSSBOLTS MUST BE TIGHTENED TO ACHIEVE A SNUG-TIGHT CONDITION AS DEFINED IN SECTION 13 OF AISC 360-05. AS A MINIMUM, NUTS MUST BE TIGHTENED 1/4 TURN PAST HAND TIGHT AND TORQUE SHALL NOT EXCEED 165 FT-LBS DURING STABILIZATION OR LOCKOFF
 - SHAFT CUTOFF IS RECOMMENDED AT 10" TO 11" ABOVE THE BOTTOM OF FOOTING FOR MAXIMUM LIFT DISTANCE TO BE ACHIEVABLE
 - MATERIAL SPECIFICATIONS: THE BRACKET ASSEMBLY IS CONSTRUCTED FROM ONE 0.31" THICK STEEL BENT PLATE, TWO 0.31" THICK VERTICAL GUSSET PLATES, TWO 0.31" THICK REACTION ANGLES, AND ONE 0.5" THICK STEEL PLATE (PIPE SUPPORT ARM THAT ARE FACTORY WELDED TOGETHER TO FORM THE BRACKET SUBASSEMBLY. THE STEEL BENT PLATES, VERTICAL GUSSET BENT PLATES AND PIPE SUPPORT ARMS CONFORM TO ASTM A36. ALTERNATIVELY, THE STEEL BENT PLATES, VERTICAL GUSSET PLATES, AND REACTION ANGLES HAVE A MINIMUM YIELD STRENGTH OF 50 KSI AND A MINIMUM TENSILE STRENGTH OF 65 KSI.
 - LIFTING BOLTS: 7/8" HEX HEAD BOLT PER ASTM A325, TYPE 1. CROSS BOLT: HEX HEAD BOLT PER ASTM A325 TYPE 1. LIFTING AND CROSSBOLTS ARE GALVANIZED PER ASTM A153.

FACE VIEW

T-PIPE CATALOG NO.	LIFTING BOLT PLATE	SUPPORT TUBE/STEM
IAN150TP-2040-G	HSS SQUARE TUBE 2"X2"X1/4", ASTM A500 MIN. YIELD 50 KSI	HSS 2 3/8" ROUND TUBE 1/4" THICKNESS, ASTM A500 MIN. YIELD 50 KSI
IAN150TP-4080-G	1 3/4" SOLID ROUND CORNER SQUARE BAR, ASTM A29 MIN. YIELD 70 KSI	HSS 2 3/8" ROUND TUBE 1/4" THICKNESS, ASTM A500 MIN. YIELD 50 KSI
IAN278217TP-2040-G	HSS SQUARE TUBE 2"X2"X1/4", ASTM A500 MIN. YIELD 50 KSI	1 1/2" SOLID ROUND CORNER SQUARE BAR, ASTM A29 MIN. YIELD 70 KSI
IAN278217TP-4080-G	1 3/4" SOLID ROUND CORNER SQUARE BAR, ASTM A29 MIN. YIELD 70 KSI	1 3/4" SOLID ROUND CORNER SQUARE BAR, ASTM A29 MIN. YIELD 70 KSI
IAN278276TP-4080-G	1 3/4" SOLID ROUND CORNER SQUARE BAR, ASTM A29 MIN. YIELD 70 KSI	1 1/2" SOLID ROUND CORNER SQUARE BAR, ASTM A29 MIN. YIELD 70 KSI

TYPICAL INSTALL



ISOMETRIC VIEW

T-PIPE CATALOG NO.	PILE SHAFT	ULTIMATE BRACKET AND T PIPE MECHANICAL STRENGTH (KIPS)	TYPICAL SYSTEM ULTIMATE CAPACITY (KIPS)	TYPICAL SYSTEM WORKING CAPACITY (KIPS)
IAN150TP-2040-G	SQ 150	40	40	20
IAN150TP-4080-G	SQ 150	80	50	25
IAN278217TP-2040-G	RS278217	40	40	20
IAN278217TP-4080-G	RS278217	80	50	25
IAN278276TP-4080-G	RS278276	80	60	30

NOTES: ULTIMATE MECHANICAL STRENGTH IS THE STRUCTURAL LIMIT FOR THE BRACKET AND T PIPE COMBINATION, NOT THE TYPICAL AS INSTALLED STRENGTH OF THE SYSTEM. TYPICAL WORKING CAPACITY OF THE SYSTEM ASSUMES APPROPRIATE PILE SHAFT IS SELECTED, NO GREATER THAN 2 FT OF PILE SHAFT EXPOSURE AND SOILS WITH SPT N >4. CAPACITY MAY BE REDUCED OR INCREASED DEPENDENT ON SITE SPECIFIC CONDITIONS AND SHOULD BE EVALUATED BY A REGISTERED PROFESSIONAL ENGINEER. SYSTEM CAPACITY CAN BE INCREASED TO THE ULTIMATE BRACKET AND T PIPE MECHANICAL STRENGTH PROVIDED SUFFICIENT CONFINEMENT OF THE PILE SHAFT IS PERFORMED WITH PIPE SLEEVE TUBING AND/OR GROUT. BECAUSE INTECH CONTINUOUSLY IMPROVES PRODUCT DESIGN, INTECH RESERVES THE RIGHT TO CHANGE DESIGN AND SPECIFICATIONS WITHOUT NOTICE.

INTECH
ANCHORING
SYSTEMS

THE INFORMATION CONTAINED HEREIN IS OF A PROPRIETARY NATURE AND IS SUBMITTED IN CONFIDENCE FOR USE OF THE CLIENTS OF INTECH ANCHORING SYSTEMS

Issue / Revisions:

Rev	Description	Date

SHEET TITLE: STANDARD LIFTING BRACKET
 SHEET DESCRIPTION: S-3606
 DATE: 01/26/2024
 DRAWN BY: SJP
 CHECKED BY: SJP

SHEET:

IAN-SLB-G