



Quick Sheet Instructions

Load Cell Leg Reinforcement

Overview

The BinTrac Inventory Monitoring System tracks the real-time weight of feed in a bin. It can be easily installed on any new or existing feed bin without having to raise the bin with heavy equipment.

The reinforcement parts must be installed and remain on all bin legs before lifting the bin, as shown in Figure 1. Using the provided thread cutting screws and pilot holes in the bin leg, follow the steps outlined on this sheet to install the reinforcement parts.

Installation Instructions:

Steps 1-5 are repeated to all bin legs.

1. Leg support should be located flush to bottom of leg. U-channel must be rotated so that load cell connection holes are at bottom, as shown in exploded view on page 2. Use the pilot holes located on the leg that line up with corresponding holes on the U-channel & leg supports
2. Mount U-channel to bin leg using provided $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " long threading cutting screw, 3 places, as shown in Figure 2.
3. Mount bin to load cell according to installation manual, as shown in Figure 3. Do not use bolts in load cell kit. Use provided $\frac{1}{2}$ "-13 x $1\frac{3}{4}$ " long grade 8 bolts, washers, and nuts.
4. Locate tie-plate in bottom leg holes, using [2] $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ " long bolts as shown, as shown in Figure 4.

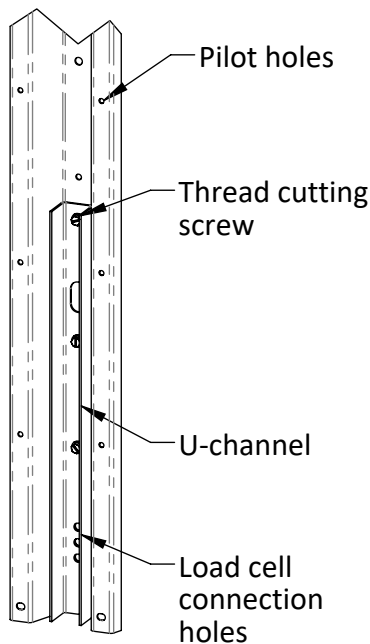
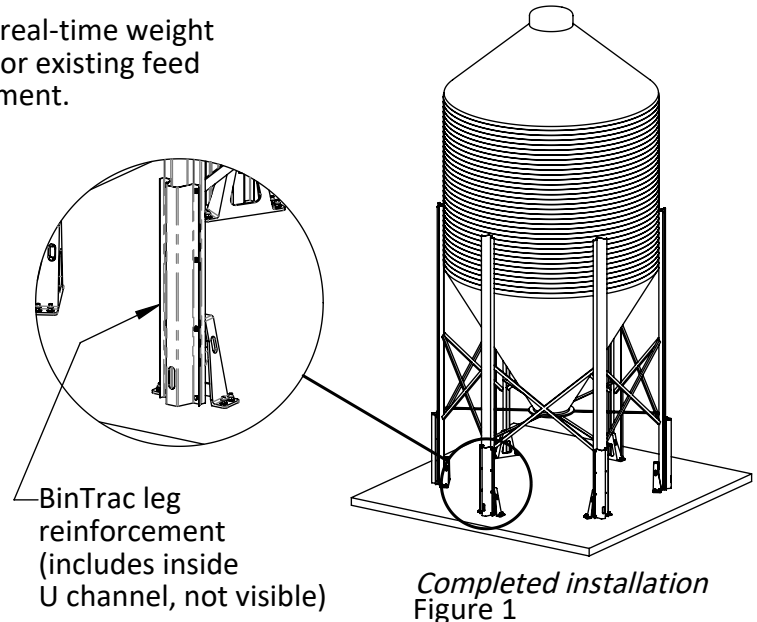


Figure 2

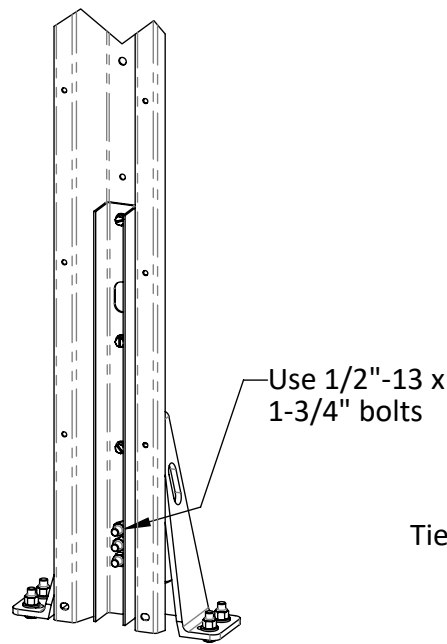


Figure 3

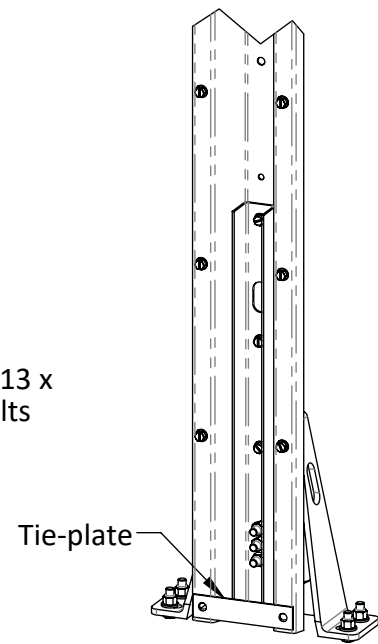


Figure 4

Installation Instructions (continued):

5. Install leg support with slot at bottom. Secure with 3/8"-16 x 3/4" thread cutting screws [6] places, as shown in Figure 5. Use 3/8"-16 x 1-1/4 bolts, lock washer, and nut for lower two holes.

NOTICE! Bins with double the amount of U-channels to legs get U-channels bolted to inside of leg support, as shown in Figure 5.1. Do this before installing leg support to bin leg.

Parts List

Item No.	Part No.	Description	Qty
502107 - LOAD CELL KIT, BIN, 6'1R-6'2R			
1	502164	Leg Support	4
2	502167	U-Channel	4
3	502145	Tie Plate	4
502100 - LOAD CELL KIT, BIN, 6' 3R - 7' 4R			
1	502164	Leg Support	4
2	502174	U-Channel	4
3	502145	Tie Plate	4
502101 - LOAD CELL KIT, BIN, 7' 5R-6R			
1	502165	Leg Support	4
2	502168	U-Channel	4
3	502145	Tie Plate	4
502102 - LOAD CELL KIT, BIN, 9' 1R-4R			
1	502164	Leg Support	6
2	502174	U-Channel	6
3	502145	Tie Plate	6
502103 - LOAD CELL KIT, BIN, 9' 5R-6R			
1	502165	Leg Support	6
2	502168	U-Channel	6
3	502145	Tie Plate	6
502105 - LOAD CELL KIT, BIN, 12' 3R-4R			
1	502165	Leg Support	8
2	502168	U-Channel	8
3	502145	Tie Plate	8
502106* - LOAD CELL KIT, BIN, 12' 5R-7R			
1	502166	Leg Support	8
2	502169	U-Channel	16*
3	502145	Tie Plate	8
Common Hardware			
4	011413	3/8"-16 x 1" Thrd cut screw	varies
5	010666	3/8"-16 x 1-1/4" Bolt GR5	varies
6	010253	3/8" Lock Washer	varies
7	690000	3/8"-16 Nut	varies
8	011390	1/2"-13 x 1-3/4" Bolt, GR8	varies

* [2] U-Channels per leg, see figure 5.1

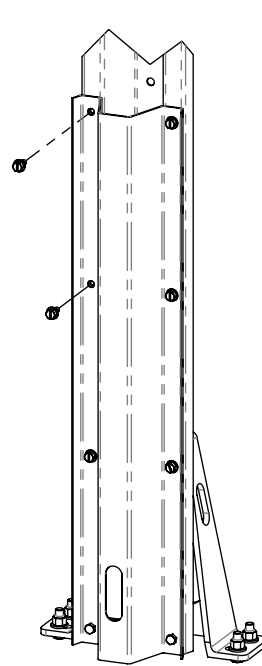


Figure 5

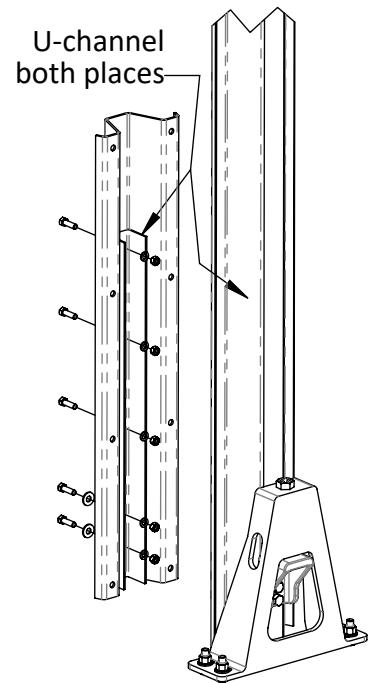
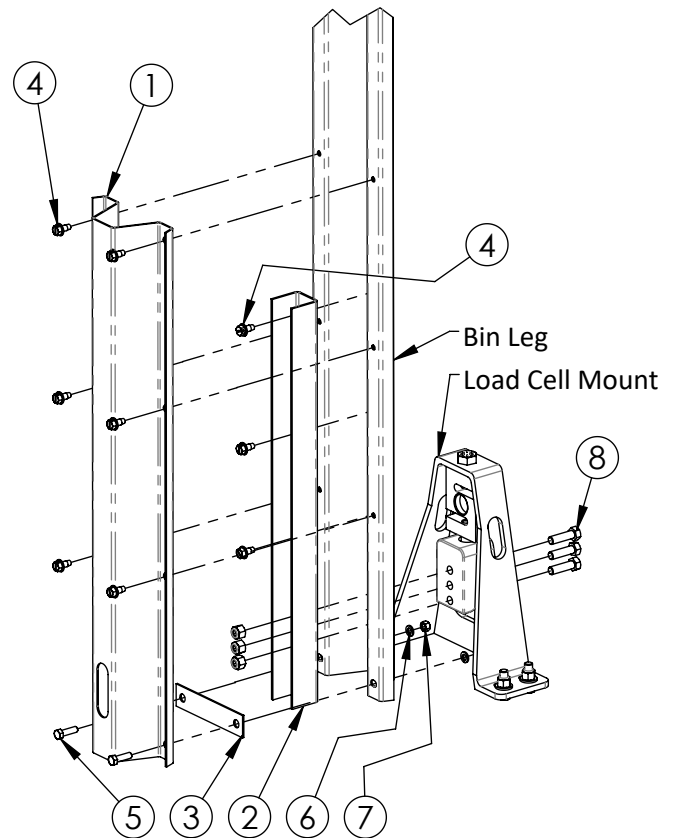


Figure 5.1
Only in certain bins,
see NOTICE

Explode View



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