

GrainWay L.L.C Installation Instructions 060707

Stationary/Permanent Conveyor Installation

Danger: Wear eye protection when using tools.

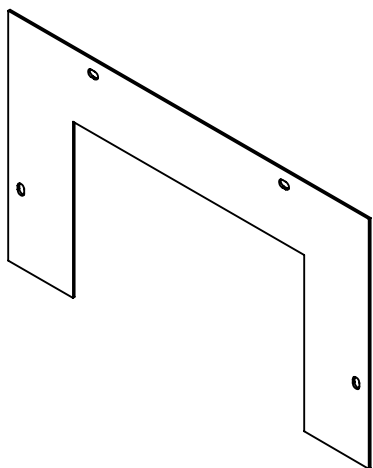
Important: Always have someone near when working in the grain bin.

Important: Read through all the instructions before starting the installation.

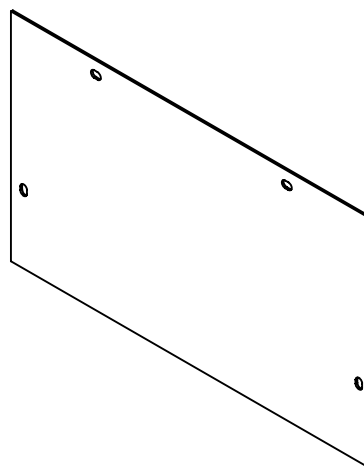
Four different bags of bolts have been provided for installation.

1. Bin Bracket Bolts
2. Intermediate Well Bolts
3. Center Well Bolts
4. Eye Bolts/ Opening Rod Hanger Assembly

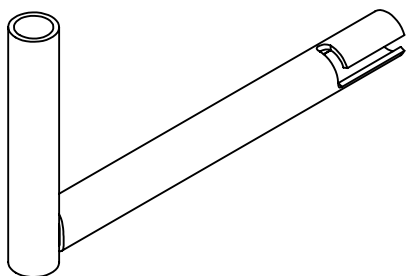
GrainWay Parts Diagram: All part listed below may not be used in every installation.



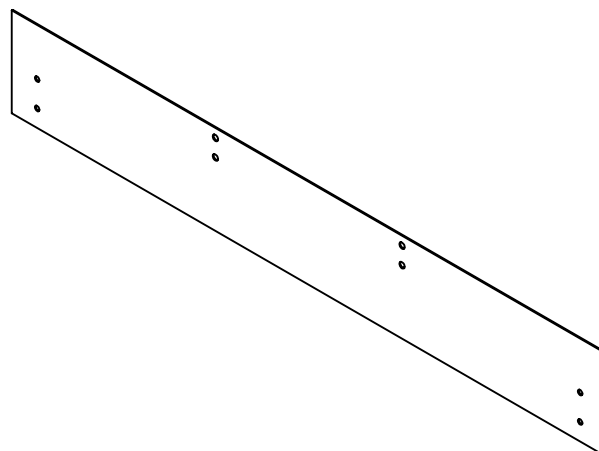
AIRTIGHT U-COVER



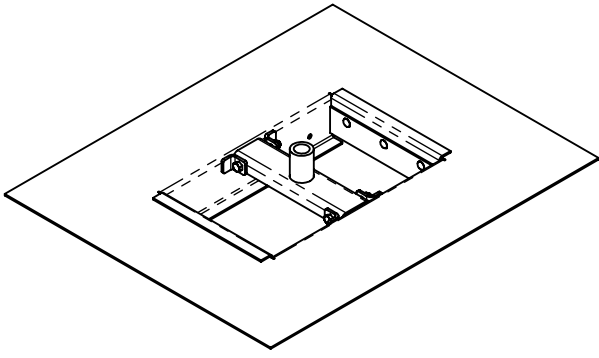
AIRTIGHT SOLID COVER



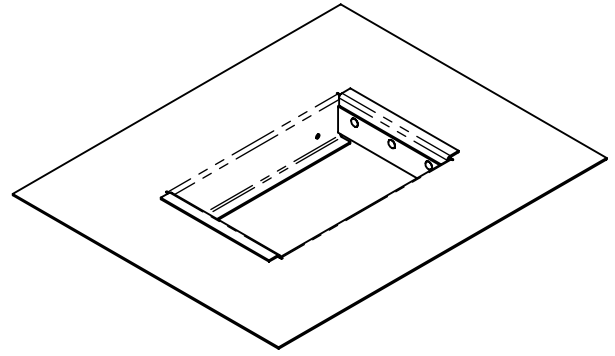
CONTROL ROD HANDLE



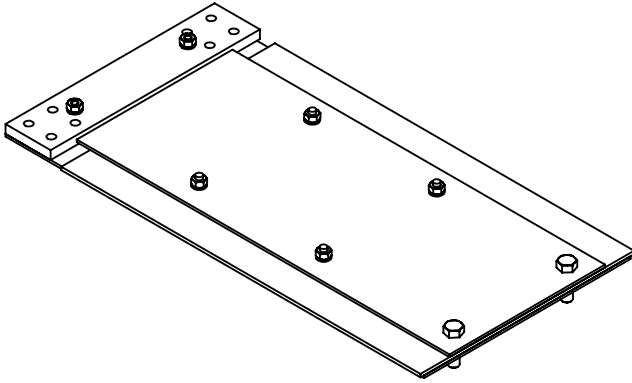
WELL EXTENSION



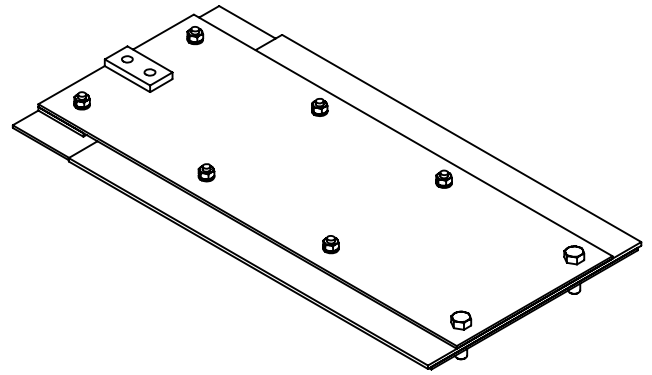
CENTER GRAIN WELL



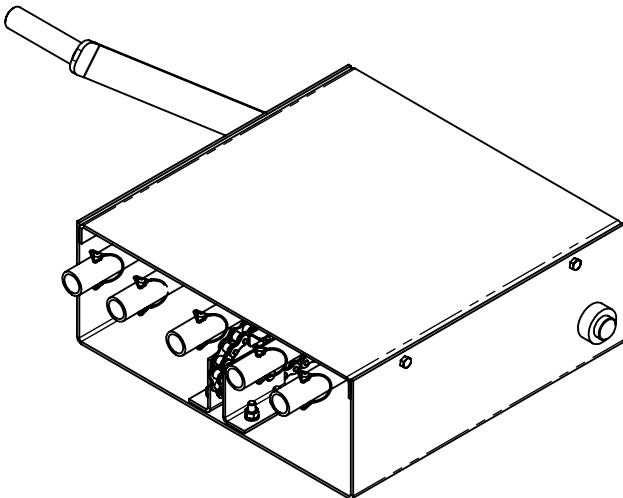
INTERMEDIATE GRAIN WELL



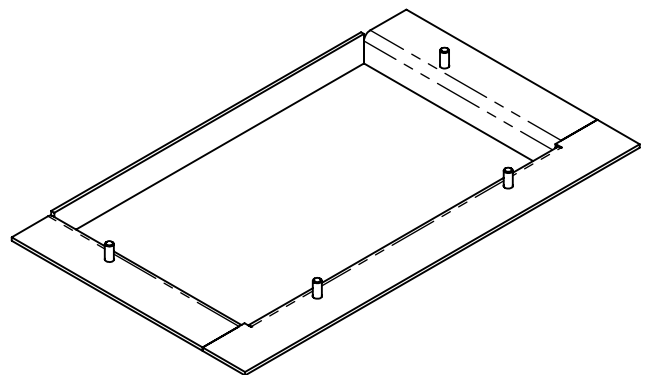
INTERMEDIATE SLIDE PLATE



CENTER SLIDE PLATE



PULL BOX OPENING SYSTEM



BIN BRACKET

GrainWay L.L.C

Installation Instructions (Stationary Installation) 082107

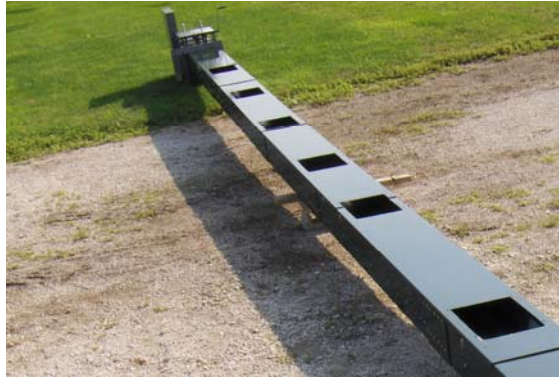
1) Take the u-cover off of the bin bracket. Then slide the bin bracket from the rear of the conveyor to the front as shown.



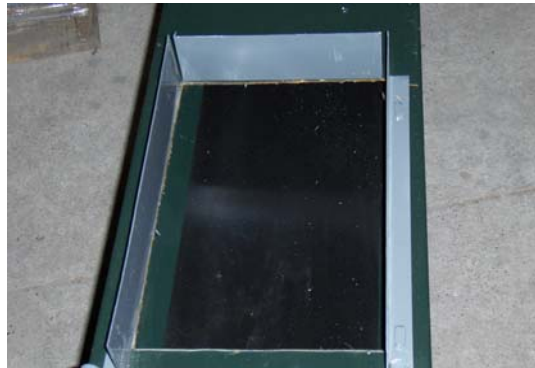
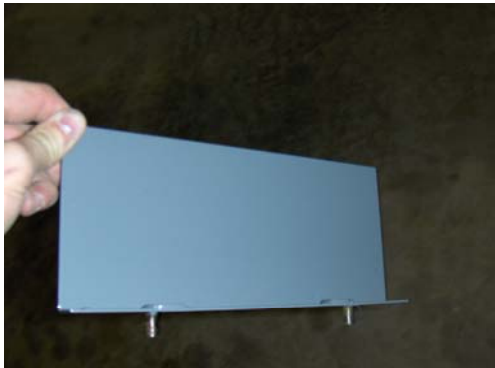
1A) Next, cut a hole in the bin sheet to receive the bin bracket and conveyor. Then bolt the bin bracket to the bin wall with the provided bolts. Make sure the bolts are far enough outside that they don't interfere with the u-cover. After the bin bracket is installed, make sure the conveyor is centered to the grain gin and bin bracket. The conveyor needs to run past the cement foundation a minimum of 4'.



2) Determine where to install the grain wells in the aeration floor. Once determined, cut as many holes as there are wells into the top of the conveyor at the proper spacing. Make sure all holes are in line and center to the side of the conveyor. Cut the hole 9 3/4" wide x 15" long hole.



3) Locate the four flanges for each well (2 short and 2 long) and install around the perimeter of the hole(s) in top of the conveyor. Two 5/16" holes will need to be drilled for each flange. Then bolt all flanges in place. The two long flanges will run past the hole a few inches toward the front of the conveyor.



4) Set well(s) into the flange(s). The wells are numbered. Well #1 is closest to the bin wall.



5) Each well has a bag of bolts. Install the u-bolts as shown below. Start the nut so only a few threads are catching the u-bolt. The center well does not have any u-bolts and will be taken care of in the following steps.



6) Next locate the opening rods for all the wells. The center well typically opens by itself with one rod (#3) that is in the center of all the other rods. The wells in front of the center well and closest to the walk in door typically have two rods and all open together. These rods (#2 and #4) are located on each side of the center well rod. The wells behind the center well usually open together and their opening rods are the two farthest outside rods (#1 and #5).

NOTE: 1) The opening rods vary on how far they stick outside the grain bin but usually are about 16" 2) Opening rods over 20' long have couplers that connect the rods together. Make sure when bolting the coupler in place that the bolts are pointing up. 3) The hole on the end of the rod sticking outside the bin needs to be vertical. 4) When installing rods make sure there is never a span of over 12' that the opening rod is not supported. Eye bolts are provided that need to be slid onto the rod (before it is tightened in place) and then attached to the bottom of the aeration floor as installed.



6A) For the center well, slide the opening rod in from the front of the conveyor. When sliding the center opening rod in, make sure you go through the center hole in each well all the way up to the center. Then bolt the rod to the center slide plate as shown.



6B) The wells in front of the center well and closest to the door also have the rods slid in from the front of the conveyor. On each side of the well, slide the rod through each u-bolt up to the well(s). **Note:** Make sure the front of opening rods are always in line and that the hole pointing straight up and down. Then tighten the u-bolts onto the rod

6C) Repeat the same process for the wells behind the center well as 6B.



7) Install the aeration floor around the well and fasten down with the provided self tapping screws. **Note:** Make sure that the flanging around the well is all enclosed. If it is not, modifications may need to be made by cutting down or adding onto the height of the flange.

8) Install the pull box assembly onto the top of the conveyor. No bolts or brackets are provided for this as there is no set or standard height. With the rods/wells in the closed position make sure there is a minimum distance of 6" from the end of the rod to the edge of the pull box. Then mount in place.



9) Next place the u-cover against the opening rods and mark. Then punch the u-cover out with a 1 5/8" hole for each of the opening rods. Install the grommets into the punched out holes. Then slide the cover over the rods and fasten onto to bin bracket.



10) Next hook the coupler extensions onto the pull box and opening rods. Then try out each set of wells to make sure they open with out obstruction. If obstructed, check out each well to see what is causing the problem.

