



## FB Base Ladder instructions

- 1) Refer to installation drawing for bin ladder with flat bottom base. The center support tube is welded into a channel frame to make an inverted Y. The channel frame should be installed so that the top of the channel is flush with the floor. If a perforated floor is used the channel frame is cut into the center well and the legs extend to the concrete floor. The feet are shipped loose so that the length of the legs can be cut to give the correct height. The feet are then to be welded to the legs and bolted to the concrete with concrete anchors.
- 2) The center support tube is shipped with 30" sticking above the channel frame. Test fit the base on to the support tube. The distance between the bottom of the flat bottom base and the floor should accommodate the sweep auger. If a sweep auger is not going to be used a distance of 12" is sufficient. Cut the support tube to the appropriate length and weld the flat bottom base to the support tube after insuring that the support tube is plumb and the base is level.
- 3) If possible build the ladder on the ground outside of the bin, and check for plumb (Shim with metal washers if required). The ladder sections are numbered with #1 being the bottom section. The bottom section can also be identified by the fact that its bottom flight is blocked off with a diverter plate.
- 4) Rig with the long axis vertical (ducts on top and bottom) and with a crane lift up and lower through the top bin opening into place and position on base.
- 5) While the crane is still attached fit the skirts to the base. Trim the bottom of the skirts so that a gap of 1-1/2" is left between the skirt and floor. The skirts are then bolted on the base studs securing the skirt and first ladder section to the base. Note that the skirts will have to be removed in order to run the sweep auger. The purpose of the skirts is to insure that the bin empties through the discharge ducts. IF THE SKIRTS ARE OMITTED THE LADDER WILL FALL DOWN.
- 6) Next the top hopper is welded to the top of the bin. Normally, angle iron or flat bar is used to secure the top hopper. Since all of the weight of the bin ladder is supported from the bottom, this attachment is designed to keep the ladder plumb when the bin is empty.
- 7) If the ladder cannot be built on the ground outside it will have to be built in the bin one section at a time from the top down. The procedure is the same as building the bin itself. Start by bolting the top hopper/flow channelizer to the top section of the bin ladder. This is then winched up and the next section bolted to previous section. Continue until the ladder is completed and set on base.
- 8) If you have any questions call the factory at 941-928-3960
- 9) Ladders installed incorrectly may fall down.