

BIN LADDER INSTALLATION WITH UB BASE

Refer to installation drawing for UB base bin ladders. Attach legs to base. About 4" of leg should stick out of sleeve in 45 degree hopper. Note that the "A" base fits to the "A1" ladder section.

- 1) Position legs and feet centered over bin discharge.
- 2) Mark and drill holes for feet. Bolt to hopper with 1/2" bolts.
- 3) Level base and tighten set bolts. Temporarily put on skirts and check gap. It should be 1/2"-1". If correct remove skirts.
- 4) Weld legs to sleeves 100%. Position Leg into the center hole of the feet and weld 100%. If Exterior leg supports are needed see attached drawing.
- 5) 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.
- 6) 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.
- 7) 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 must be welded in position.** 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.**
- 8) 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.
- 9) 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.
- 10) If you have any questions call the factory at 574-583-3883 or fax at 574-583-3861.

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- 11) Ladders installed incorrectly may fall down.
- 12) AMOS AgMachinery, LLC 888-246-2713 or doc@amos-agmachinery.com