

A Guide to Modifying a Stall for Sand Use

In order to modify an existing mat or concrete based stall, you will need to purchase the following:

- 5/8" masonry drill bit with hammer drill
- 7 inch x 3/8" lag bolts – every 48 inches of stall width
- 2 inch concrete anchors
- 3 inch fender plastic washer (1/2 inch hole inside) on top of mat and under 3^{3/16} inch fiberglass pipe
- 3^{3/16} inch O.D. 3/16" thick fiberglass pipe (comes in 30 foot lengths with beveled ends so that they slot together, cost is around \$1.00 per foot)
- 3/8" flat washer



Step 1. Pre-drill holes at the desired spacing (eg. 48") in the fiber glass pipe



Step 2. Clean off existing platform. If there are mats, they can be left in place. Mattresses should be removed to bare concrete.



Step 3. Line up pipe along back of stalls and locate positions for anchoring pipe



Step 4. Drill holes in concrete for concrete anchors



Step 5. Locate the bolt in the concrete anchor and fit the washers/spacers to leave a small gap below the pipe.



Step 6. Tighten all bolts and washers and smooth off any rough edges



Step 7. Fill with sand and watch the cows!

