



Installation Manual:

Supplemental Instructions to 99-5441 "W-Floor Installation"

Raised Subdeck for W-Floor Leakproof System

West Coast USA

6605 Ammunition Road
P.O. Box 505
Tillamook, OR 97141
Ph. 800-542-5526
Ph. 503-842-8886
Fax: 503-842-4866

Central USA

8276 Hwy. 16 North
Poteet, TX 78065
Ph. 877-425-5261
Ph. 830-742-8441
Fax: 830-742-8682

East Coast USA

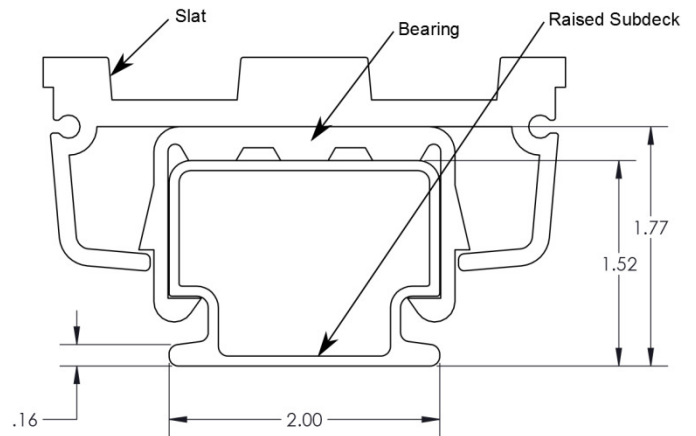
480 Millrun Rd.
Salisbury, NC 28144
Ph. 800-230-0190
Ph. 704-636-4122
Fax: 704-636-1644

OVERVIEW:

The raised subdeck profile allows slats to be installed on top of an existing floor sheet in order to create a leak proof floor.

This supplement replaces the Subdeck Installation portion of the 99-5441 "W-Floor Installation Manual". It also includes elevation dimensions that are useful for designing the front structure given that the manual uses the top surface of the cross-members as the mounting surface for the Brute mounting plate to rest on. With the raised subdeck the reference point is now the top surface of the floor sheet not the top of the cross-members.

The front structural stiffness and strength is important. 99-5441 calls out steel components. Where Aluminum is used instead of steel please use common design guidelines for replacing steel with aluminum as its stiffness is a third of steel.

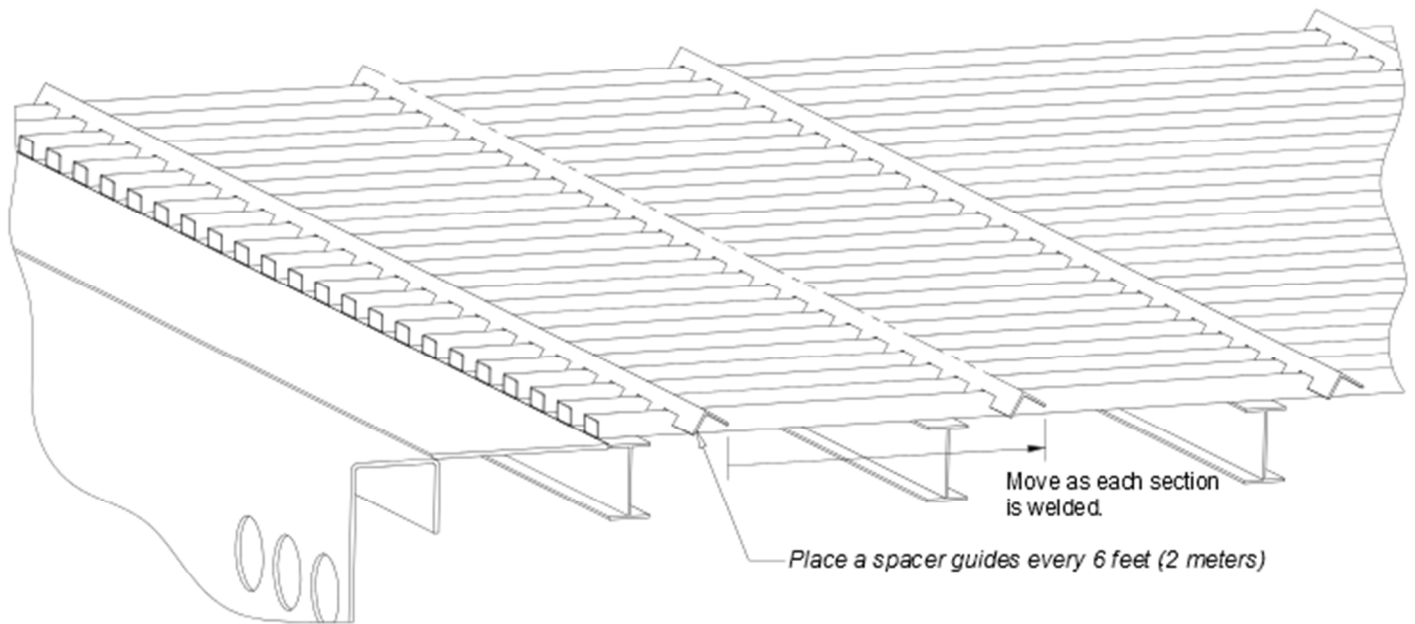
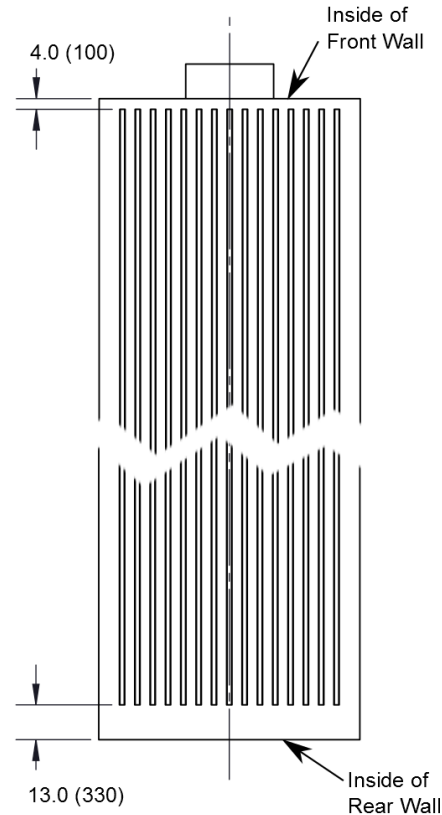


SUB-DECK INSTALLATION

Place the first piece of subdeck straddling the centerline of the container. If the subdeck is not full length then place the shorter pieces end-to-end to fill the proper length.

Tack weld these pieces in place. Then place the rest of the sub-deck pieces into the trailer and space them out relative to this first row using the provided alignment jigs.

Place welds opposite on each side of the sub-deck and spaced out 24 inches (600 mm).



BRUTE MOUNTING

Place the floor sheet through the front wall on top of the Brute mounting support arms.

Then lay a 0.5 inch ((13mm) thick plate on top of that making sure that the plate passes through the wall and fastens to the plate and sub structure inside the container in front of the subdeck. The Brute mounting plate and gussets are welded to this steel plate.

Insure that the method of fastening the steel plate to the floor sheet and the sub structure is adequate to convey the forces from the Brute mounting structure.

Please refer to the 99-5441 Structural requirements section for instructions on proper support of the Brute drive system.

NOTE: The durability of the hydraulic shaft seals depends on the mounting plate being properly aligned with the cross-drive clamps. For this reason it may be best to wait to weld the mounting plate to the structure until the slats are installed and the cross-drives are in place. This way the shafts of the brute can be clamped to the cross-drives and the Brute can hold the mounting plate in proper location and orientation. Then tack weld the mounting plate and gussets in place. Then remove the Brute and fully weld.

