

Functionally, after the AMERIO freezers are rebuilt, sandblasted, primered/painted, the entire freezer is assembled in the shop. This ensures no parts are missing before shipment (particularly where these are being shipped outside the continental USA). The enclosure is not installed until reaching the jobsite-- as it is too easy to damage the panels with excess handling. Once the freezer is inspected to ensure it is complete, the freezer is carefully disassembled and labeled so it goes back together readily at the jobsite.

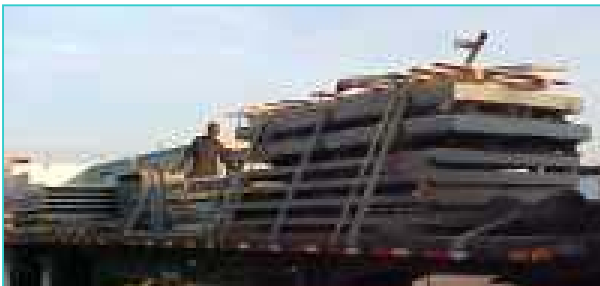
NOTE— The base has been improved. APV Amerio normally ships the mild steel frame loose to be field welded. The stainless floor panels are loosely inserted between the mild steel frame L channels, then insulated with foam glass, cut to retrofit at the jobsite. Next 26 gauge stainless steel sheet metal laminates are laid (overlapping each other) onto the top frame--with silicon between the overlapping stainless to seal--and minimal tack welding i.e. the base remains porous.

The base is rebuilt in the shop. The two halves of the base are flanged to be bolted together at the job side. Each base is built up as a separate half. This is to keep the base to less than 12 ft 6 inches wide i.e. each half is less +/- 6 ft 3" wide (anything over 12 ft is an escort load for purposes of inland freight in the USA; shipping in halves reduces ocean freight to 8ft 6" wide maximum) Holes are drilled into the flanged ends where they will be married together- welding in two large bolts --used in the field to align the two base frame halves. On the outer long edges, reinforced lifting eye bolts are welded into the frame--so two eye bolts can be screwed into the frame edges --to lift with a chain suspended from a gib boom attached to a forklift. This allows each base half to be "slung" from the forklift and transported into the plant through conventional doors; and readily manipulated around wide corners. Each half of the base is then covered with 12 gauge (or thicker) stainless steel sheeting --welding hermetically around the edges to the bottom frame. Before the top sheeting is welded onto the frame, the frame is built up so that the sheeting is level on the top surface (so it does not sag), then insulated with foam glass. Urethane spray foam is injected around the foam glass to seal the insulation inside. Next the stainless top cover is hermetically welded onto the steel frame --to seal the top stainless sheet metal to each base half. Where (at the installation site) the two base halves will be aligned/joined via the two bolts, the stainless top is cut out 5" x 9" --and insulation removed --sufficient to be able to insert the lock washers and nuts at the time of field installation. A stainless steel plate 6" x 12" is prefabricated/ provided ... to cover this orifice --using silicon sealant around the edges with stainless rivets --during field installation. At the jobsite it is relatively quick to align the two bases, level with a laser, bolt together, weld up each end where the bases join, add foam insulation where the nuts/lock washers were attached, seal with silicon the seam where the two base halves join along the length of the base, then seal the top with the 6" x 12" stainless plate.

Rebuilding the base as described saves nearly four man days labor at field installation; and makes the base significantly more sanitary.



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Rebuild process on the Amerio's



**Amerio after erecting/before installing the enclosure.**









This is an Amerio 35 installed this time last year. It shows all the peripherals –which are shipped loose for field installation.



Amerio 35 rebuilt w/ enclosure





Amerio 35 rebuilt w/ enclosure



