

Machinery / Pumping Units Loaded into a 40' Steamship Container Secured with Laminated Floor Blocking

Pumping units stowed in a 40' wooden floor steamship container for intermodal service. Plan the load to equalize the weight on each side of the container the entire length of the container. A balanced load is required for the stability and success of this loading pattern.

The pumping units and other items, having a high center of gravity or narrow base, must be secured to prevent them from tipping over in transit.

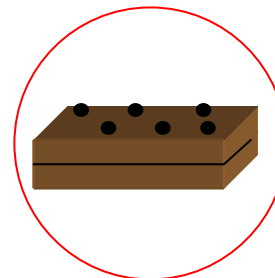
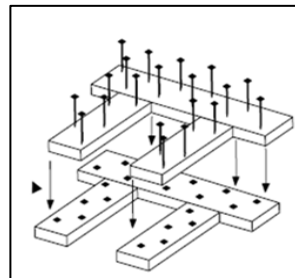
Warning! Extremely concentrated weight may result in container floor failure! Weight of machine must not exceed 2,500 lbs per linear foot or 25,000 lbs per ten linear feet. Securement of pumping units by steel cables to container sidewall or floor tie-down anchors **cannot** be the **only** means of securement.

The pumping unit front and back must be secured with laminated 2" x 6" wood floor blocking with laminated back-up cleats equal to the width of the unit to prevent longitudinal movement. Six 2" x 6" laminated side blocking per side, equally spaced must be utilized to prevent lateral movement. All lumber used for blocking and bracing must be of sound material, free of defects which impair its strength or interfere with proper nailing.

Floor Blocking Requirements

Floor blocking should be securely nailed to the trailer floor and must penetrate the trailer floor to a depth of 1" or more. The nails should be applied in a staggered pattern, 4-6" apart. 2" x 6"x 24" back-up and side cleats are to be laminated two high, each layer nailed. One 16d nail has approximately holding power of 1,000 lbs., use adequate number of nails for the weight involved.

Laminated Floor Blocking



Laminated Side Blocking

