



# Selective Pallet Rack Assembly Instructions

## 1. Verify shipment

Compare the components received with the bill of material and packing lists. If there is a variance note that variance on shipping documents and contact your Dealer or Lyon Workspace immediately.

## 2. Establish the rack Layout

Determine the rack position and aisle dimensions. Layout the position of the rack on the floor by snapping chalk lines to locate the aisles and front of the uprights. Upright must be 90 degrees to the aisles. Check for obstructions such as building columns, light fixtures, cooling and heating ducts, compressor and furnace units, electrical units, etc, for rack and load clearance.

## 3. Erect the first bay

While the uprights are on the ground, determine and mark the location of the beam levels. Safely, stand two uprights vertically and attach beams. Engage the lowest level beams into the uprights engaging the pins into the upright columns. Although the safety clips should engage automatically, verify their full engagement. If safety clips are missing or damaged, replace the beam before the rack is put into use. This clip is to prevent accidental disengagement of the beam from the upright column.

## 4. Locate first bay position of row

Place front of upright on aisle chalk line. Attach the balance of beams starting with the lower beams and working to the top using the method described in step 3.

Square this bay by measuring diagonally across the bay making sure the diagonal dimensions are identical.

Bays must be square, plumb, and level. Use required shims to plumb the uprights and level the beams. Uprights should be plumb to within  $\frac{1}{2}$ " per 10'. Beams should be level to within  $\frac{1}{4}$ ".

Each upright has two (2) footplates with two (2) holes for anchoring. Normal conditions call for one anchor per plate. Check with the dealer or manufacturer for the type, size, specifications and number of anchors to be used. The basic footplate will not accommodate two anchors because of the closeness of the holes. If two anchors are required for a particular job, a special sized footplate will need to be used.

When the first bay is square, plumb, level, and on the chalk lines, anchor the bay in place.



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## 5. Installation of remaining bays

Follow the same procedures above to install the remaining bays. Square, plumb, and level bays beginning with the bay next to the starting bay, anchoring as you proceed down the aisle.

## 6. Installation of back-to-back rows of rack

Install row as described in steps 1 through 5 with the exception of anchoring. Anchoring of bays should not be done until row spacers are installed, the rack is squared, plumb, and level. Tighten back-to-back ties after anchoring to floor.

## 7. Accessories

We recommend not tightening the bolts and nuts on all accessories until the rack is square, plumb, level, and anchored.

## 8. Final check

A final inspection should be made to ensure all anchors, bolts, and nuts are tightened to the proper specification. Check all beam safety clips to ensure their installation and engagement.

## 9. Loading of rack system

Your rack system is now ready to use. Load all beam levels to system specified loads. If your rack is not installed as quoted contact your Dealer or Lyon Workspace to confirm the present configuration.

## 10. Torque requirements

Beam connection	37 to 50 ft-lb
Accessories	37 to 50 ft-lb
Anchors	45 ft-lb