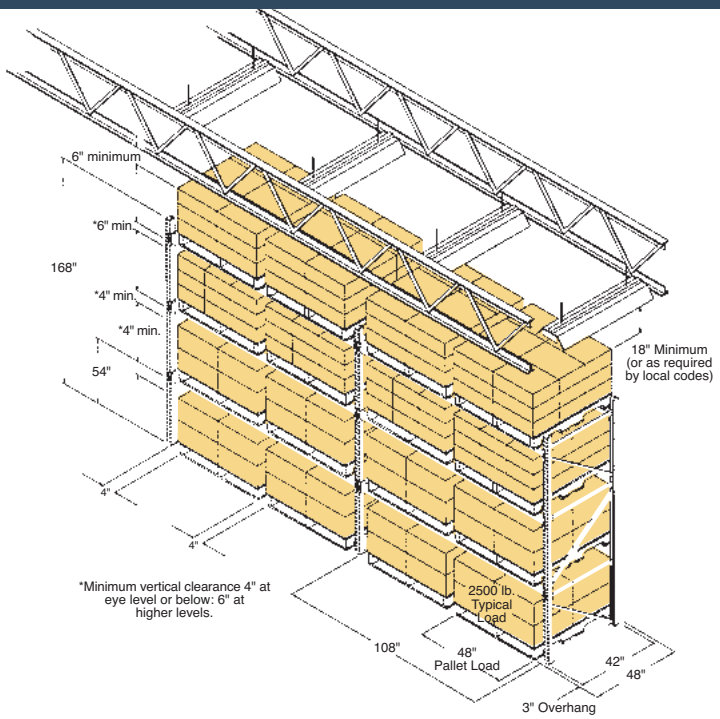


PALLET RACK SAFETY RECOMMENDATIONS

Determine actual load requirements as accurately as possible and adhere to rated capacities shown in tables on the following pages. Additional precautions should be taken in applications where extraordinary rack abuse is anticipated. For example, when narrow aisles are used for high speed or high inventory turnover operations, Lyon recommends additional rack reinforcement. Impact supports and aisle guidance devices may be advisable – especially at aisle intersections and other vulnerable locations.

Beam Length

Lyon recommends a clearance of 4" between palletized loads – and between loads and uprights. Beams over 120" in length should be tied together with the appropriate front-to-back support to maintain proper spacing at each storage level.

Back-to-back Clearance

Clearance should be sufficient to accommodate minimum pallet overhang and tolerances – where pallet placement may vary. Additional clearances may be required to accommodate building structures or intermediate sprinkler systems (according to local codes).

Installation and Anchoring

To insure minimum stability standards, racks should be level, plumb and properly anchored.

Seismic Zones

Since requirements vary so widely, we advise you to contact Lyon for assistance on rack projects in high risk seismic zones.

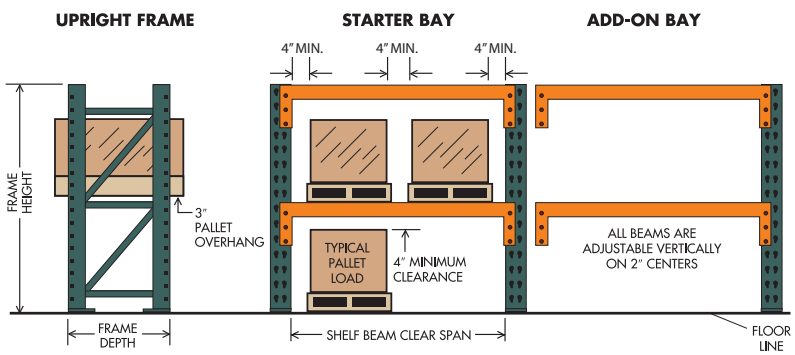
Note: For "Big Foot" – Heavy-Duty Pallet Rack, please contact customer service at 1-800-323-0082

Lyon's teardrop design features a roll form welded upright and is totally interchangeable with all major teardrop-style products on the market today.

Tough, durable, and smooth finish features our baked-on powder epoxy finish which gives an appliance-like finish that is impact and corrosion resistant.

Available in stock:
Lake Green – Upright Frames/Accessories
Safety Orange – Beams

Special Orders:
Additional capacities and dimensions are available upon request, contact Customer Service at 1-800-323-0082.



Depth should be 6" less than pallet.

For Example, a 48" deep pallet requires a rack with a 42" depth

Starter Bay consists of: two uprights and number of beams desired. *(minimum 4)*

Shown here is a typcial GMA 48"d x 40"w pallet.

Add-On Bay consists of: One upright and number of beams desired. *(minimum 4)*

HOW TO ORDER PALLET RACKS

Step 1

Select Upright Frames (see page 74)

Add the following figures:
Height of pallet loads (including pallet)
+ Height of shelf beam
+ 4" Min. vertical clearance for each pallet load

Sum of above dimensions = rack height

For uppermost load level, location of shelf beam should be 6" less than fork truck's maximum lift height. Top of beams need to be at even increments.

Step 2

Select Beams (see page 75)

Shelf length equals the distance between uprights. It is determined by adding the widths of pallet loads plus a 4" side clearance between upright and pallet and 4" between pallet loads.

Shelf beam capacities are based on a pair of beams supporting an evenly distributed load.

Beams over 120" in length should be tied together with the appropriate front-to-back support (see page 75) to maintain proper spacing at each storage level.

Step 3

Select Decking (see page 75)

Select Decking based on style needed:
• Solid Panel Decking • Wire Decking

Step 4

Select Accessories (see page 76)