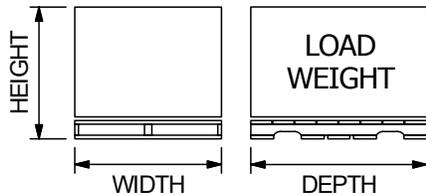


# PALLET STORAGE RACKING

## QuickSpec Guidelines for Pallet Storage Racking Specifications



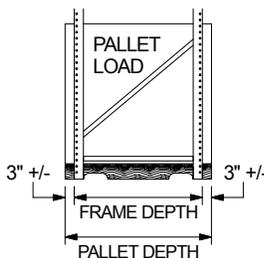
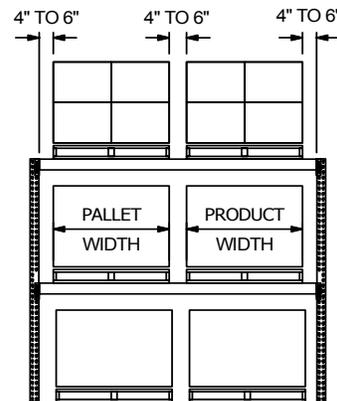
### ◀ Determine the Load Characteristics

What type of pallet or skid is under the load? What are the **width** (left to right), **depth** (front to back) and **height** (bottom to top) of the unit load? Does the **product overhang** the edge of the pallet? What is the maximum **weight** for each load and how many unit loads will be stored on each shelf (pair of beams)?

### Determine the Length & Capacity of the Beams ▶

The **length of the beams** is equal to the width of the load x the number of loads across (between 2 uprights) plus a minimum of 4" between loads and between load and upright frame. For standard 40" wide pallets, 2 wide on a level, a minimum 92" beam is recommended, while 96" is a common size for two pallets wide.

The **capacity of the beams** is given per pair of beams (per level) and should equal the maximum weight per pallet load x the number of loads across the beam level. A safety factor is built into the beam capacity.



### ◀ Determine the Depth of the Upright Frame

The **depth of the upright frame** should be 4" to 6" less than the pallet stringer depth for proper overhang. Other depths can be used with additional pallet supports or wire rack decking. Use wall ties and row ties to allow space for pallets that are set flush with the front of the upright frame.

### Determine the Upright Height & Capacity ▶

The **minimum height of the upright** is determined by adding maximum height of the pallet load + 6" (nominal) clearance between top of load and bottom of next beam + the beam face dimension, then multiply this total x the number of beam levels in the section. The rack uprights need only be as high as is necessary to support the top beam level.

The **required upright capacity** is the total of the load capacities for all the beam levels in the section. However, **the rated frame capacity is limited by the maximum distance between the beam levels in each section.**

Consult your dealer for detailed capacity charts.

