

PALLET RACK ASSESSMENT GUIDE

How often should you inspect?

On a continual basis, operating staff should observe and report anything that does not look correct or has experienced any form of contact with equipment.

Formal weekly and intensive monthly inspections should be carried out.

Terminology

Frames: An assembly comprising two vertical uprights and connecting horizontal and diagonal beams

Beams: The two horizontal bearers joining the frames together

Bays: Two frames plus the joining beam

Runs: A number of bays joined together in a line

Examples of what to look out for

Any of the items detailed below are serious and must be acted upon.

Note damage

*Amount of damage
Where damage occurred in warehouse*

Column Damage	Rips, tears or deflection beyond acceptable limits. If deflection is greater than 1/2", it can no longer carry the original rated load	
Horizontal & Diagonal Strut Damage	Broken welds, missing braces or braces with rips, tears or deflection greater than 1/2" either horizontally or diagonally	
Footplate Damage	Sheared or twisted past 1/2" limit	
Overloaded Beams or Frames	Rated loads refer to an evenly distributed load along the length of the rated member. Reference your manufacturer's capacity chart	
Anchor Damage	Missing, broken or loose anchors	
Missing or Damaged Components	Includes wall ties, cross bars, cross-aisle ties, wire mesh decks or pallet stops	
Leaning Frames	Minimum plumbness and straightness (both cross and down aisle) of the frames should be less than 1/2" per 10' height	
Beam Damage	Missing or damaged beams; loose, damaged or missing fasteners; or deficiencies in load locks and snap locks	
Damaged Decking	Exposed jagged edges, dips or missing pieces	

What happens if there's damage?

If damage is found, action should be taken immediately to prevent injury. Any area where damage is located should be sectioned off and not continue to be utilized until it is properly repaired or replaced by a qualified professional.

If you are concerned about the safety of your racking system, the sooner you address it the better. To speak to a member of our rack safety team, you can call (800)252-5955 or email us at info@rebstorage.com