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Pallet Racking Safety Checklist

The right pallet racking system can make all the difference in the efficiency of the warehouse, but it takes an entire team to confirm safe setup and optimal working status. From initial build to regular inspections, it's important that your warehouse be certain of the safety of the complex structure that is holding your company's products and assets together.

Racking and Pallet Design		
	Check racking compatibility with handling equipment Chart out sufficient maneuvering space for forklift Consult expert on any proposed modifications Receive manufacturer approval before making any modifications Never physically alter uprights, bracings, beams, or components, including welding additional cleats or bearers Use only replacement parts from original equipment manufacturer Assign engineering report to confirm racking integrity upon any replacement Never change product storage design on pallets without agreement from racking supplier Require expert assessment of change to pallet design	
0	perating Protocol	
	Establish safe working load limits: (image Figure 1) Train employees on safe working load limits Post signage that includes information for: manufacturer, supplier details, unit load limit, beam level limit, bay load limit, etc Establish procedures to ensure safety with racking design, load, capability of lifting equipment Setup operating instructions including: Correct use of equipment SWLs	
	 Prohibitions on unauthorized alterations Requirements for reporting any damage for assessment Thoroughly train each individual working in this zone Establish protocol for immediate reporting of safety risks to operation and maintenance Post information about safety reporting protocol Establish protocol for immediate reporting of damage to equipment for inspection and assessment Design method of recording level of damage to equipment using colored stick-on tags (Figure 3) Install quality general lighting to working area Keep floor surrounding racking system clear 	

☐ Ensure frequent cleaning and maintenance to areas near racking system



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Inspections

☐ Enlis	t qualified experts to inspect racking routinely for damage and overloading
Chec	k for:
\bigcirc	Overloaded beams: 'v-shaped' deformity at beam connectors
\bigcirc	Obvious signs of damage from being struck with pallet or forklift, such as cracking
\bigcirc	Missing beam connectors
\bigcirc	Broken or missing safety clips
\bigcirc	Beams that popped out of upright, risking possible collapse
\bigcirc	Damage to uprights
\bigcirc	Sufficient splices
\bigcirc	Vertical, correctly plumbed racking
\bigcirc	Bent or damaged racking braces, either horizontal or diagonal
\bigcirc	Damage to floor fixings or footplate
\bigcirc	Broken pallets
	Appropriate signage

Perform inspections to check racking integrity annually

Careful setup, thorough checks, and clear safety protocols can help maintain a safe working environment for your warehouse. Keep this checklist close to hand and modify each step to include each aspect of your unique structure and processes.