



TW RACK SAFETY CHECKLIST

YOUR RACK SAFETY PARTNER

WHY WAREHOUSE SAFETY CHECKLIST?

Ensure safety, prevent costly accidents, and stay compliant with our expert racking inspections. Our engineers follow a detailed warehouse safety checklist to identify damage, wear, and installation issues—helping you protect your team, inventory, and bottom line.

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TW offers complete racking solutions—from engineering and installation to annual safety inspections. Ensure your systems meet OSHA, RMI, and building codes, keeping your warehouse safe, compliant, and efficient.

1) Annual Rack Inspections: Comprehensive inspection reports that identify issues and include clear, actionable recommendations to enhance safety and compliance.

2) Warehouse Safety Checklist: A detailed checklist used by our engineers to assess racking condition, spot hazards, and ensure every component meets safety standards.

2) Engineered Drawings & Capacity Ratings: Stamped engineered drawings and certified capacity ratings to ensure your racking systems meet structural and regulatory requirements.

WHAT DO TW INSPECTORS REVIEW?

- Compliance with OSHA, RMI, and other building codes.
- Structural integrity, stability, and anchoring of racking systems
- Overloading, improper installation, or physical damage (*ex. cracks, dents, corrosion*)
- Proper load distribution and adherence to rated capacity
- Alignment and security of beams, frames, and baseplates
- Condition and functionality of safety devices (*ex. safety clips*)
- Accuracy and visibility of load signage and safety labels
- Overall condition of racking accessories (*ex. wire decking, pallet stoppers*)

WHEN TO INSPECT RACKS?

- New Rack Install
- Compliance Review/Regulatory Audit
- Collapse or Damage
- Safety Initiative/Optimization
- Reconfiguration Review
- Incomplete Documentation and Permits

Annual rack inspections are essential for ensuring warehouse safety, compliance, and system reliability. TW's expert inspectors identify hidden damage, verify load integrity, and provide detailed reports to keep your racking OSHA and RMI compliant year-round. **Contact us at 833-868-2500.**

TOTAL
WAREHOUSE

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Description of rack(s) — location, manufacturer, purpose, allowable clearance distances, etc:

Is your rack permitted? What is the permit #?

Inspected by: **Current inspection date:** **Last inspection date:**

A. LOADS	Y/N	DETAIL
Loads are placed, stacked, or stored in a stable and secure manner with safe loading practices		
Loads are placed in accordance with engineer's instructions		
B. CLEARANCE	Y/N	DETAIL
Clearances between loads, racks, and other building structures are within the allowable distances		
Transverse flue spaces between pallets are maintained per code requirements		
Longitudinal flue spaces between back-to-back racks are maintained and unobstructed		
C. STABILITY (BASE PLATES AND SHIMS)	Y/N	DETAIL
Rack is plumb with no signs of deflection or lean		
All base plates are secured by anchors as required by structural calculations		
Shims are well seated, equal in size to the base plates, and are in full contact with the base plates		
Anchor bolts are in good condition		
D. RACK CONDITION	Y/N	DETAIL
Columns and frames have no signs of corrosion or impact damage (dents, cracks, bulges, etc)		
Horizontal/Diagonal bracing have no signs of corrosion or impact damage (dents, cracks, bulges, etc)		
Beam deflections are within the permissible tolerances of the engineer		
Beams show no signs of permanent deflection when unloaded		
Beams show no signs of corrosion, deformations, cracks in the welds, or other signs of damage		
Beam positions conform with the specifications of the engineer		
Safety pins (locks, safety clips) are in place as per engineer's specifications		
Frames and beams are compatible in accordance with engineer's specifications		
Repairs and replacements were made according to the engineer recommendation		
Column guards and row end protectors are in good condition		
Safety devices (ex., pallet safety bars, wire mesh decks) are in good condition		
Other associated components of the rack (e.g., accessories) are in good condition		
F. PALLETS	Y/N	DETAIL
Pallets are in good condition and are not overloaded or fully encapsulated.		
Pallets are the appropriate type and size for the rack and loads		
G. EGRESS PATH AND FIRE PROTECTION	Y/N	DETAIL
Egress paths are clearly marked, unobstructed, and compliant with code requirements		
Fire suppression system (sprinklers) is present, unobstructed, and rated appropriately for the stored goods		
Rack height and storage layout comply with fire suppression and egress design parameters		