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	STANDARD: **OSHA 1910.176 & ANSI/RMI MH16.1**	AUDIT FREQUENCY: **Monthly Audit**

Pallet Rack Inspection Safety Audit Checklist

Operational Scope: This audit covers all structural steel pallet racking systems within the facility to identify mechanical damage, overload conditions, and anchoring failures. The objective is to mitigate catastrophic collapse risks and ensure full compliance with national warehousing storage safety standards.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Safety Footwear (ASTM F2413), High-Visibility Reflective Vest, ANSI Z87.1 Approved Safety Glasses, Cut-Resistant Mechanics Gloves
PREREQUISITES:	Notify material handling equipment operators of active inspection zone. | Ensure adequate overhead and aisle lighting (minimum 30 foot-candles). | Secure flashlight, plumb bob, and crack gauge tools.

STRUCTURAL UPRIGHT AND COLUMN INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Upright Columns**	Columns must be plumb within acceptable tolerances (maximum 1/2 inch deviation per 10 feet of height). No visible twists, severe dents, or tears.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Baseplates and Floor Anchors**	Every upright column must feature a securely bolted baseplate. All anchor bolts must be tight with no sheared pins, concrete spalling, or lifting.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Column Post Protectors**	Impact guards and column protectors must be securely fitted, undamaged, and properly absorbing potential forklift strike forces without transferring load to the upright.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

BEAM AND LOAD-BEARING COMPONENTS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Load Beams (Horizontal & Diagonal)**	Beams must show no excessive downward deflection under load. Verify absence of severe twisting, welding cracks, or impact gouges.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Beam Safety Locking Pins / Clips**	100% of beam connectors must be equipped with functioning safety pins or locking clips to prevent accidental dislodgement from upward forklift impacts.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Wire Mesh Decks and Supports**	Wire decking must sit flush on beam steps, with no broken welds, sagging mesh, or missing cross-support channels that could drop pallet corners.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

CAPACITY SIGNAGE AND OPERATIONAL ENVIRONMENT

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Maximum Load Capacity Placards**	A legible, manufacturer-compliant load capacity sign must be visibly posted at each bay end, detailing maximum permissible unit loads and shelf capacities.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Aisle Clearance and Flue Spaces**	Flue spaces (6 inches minimum back-to-back) must be maintained clear of overhangs. Aisles must be free of stored pallets, debris, and slip/trip hazards.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Rack Safety Inspector / OpsAuditHub Auditor Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Warehouse Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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