OpsAuditHub opsaudithub.com	DOC ID: **SAF-0022**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 1910.176 / ANSI/RMI MH16.1**	AUDIT FREQUENCY: **Monthly Audit**

Pallet Rack Inspection Compliance Checklist

Operational Scope: Applies to all structural steel storage racks within the facility to identify structural damage, overload conditions, and component misalignments. The primary objective is mitigating catastrophic rack collapse hazards and ensuring full compliance with national safety mandates.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Safety Boots (ASTM F2413), High-Visibility Reflective Vest, ANSI Z87.1 Safety Glasses, Cut-Resistant Work Gloves
PREREQUISITES:	Review previous inspection reports and note any recurring damage zones or previously tagged bays. | Establish clear safety perimeters and pedestrian traffic control around the rack aisles being audited. | Ensure adequate overhead and aisle lighting (minimum 30 foot-candles) for accurate visual assessment.

STRUCTURAL UPRIGHTS AND COLUMN INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Upright Columns**	Inspect for out-of-plumb conditions exceeding 1/2 inch per 10 feet of height, or visible dents, twists, and gouges.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Base Plates and Anchors**	Verify that all base plates are firmly anchored to the concrete floor with no sheared, loose, or missing anchor bolts.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Column Protectors and Guards**	Check end-of-aisle and column protectors for displacement, structural impact damage, and proper floor mounting.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

BEAMS, CONNECTORS, AND SAFETY LOCKS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Load-Bearing Beams**	Inspect horizontal beams for excessive deflection (sagging), twisting, or structural impact deformation from forklift tines.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
5	**Beam-to-Upright Connectors**	Examine connector clips and welded ends for weld cracking, tearing, or separation from the upright column.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
6	**Safety Locking Pins / Bolts**	Confirm 100% presence and correct engagement of safety lock pins or bolts in every beam end connection to prevent accidental dislodgement.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

BRACING, CAPACITY SIGNAGE, AND DECKING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Horizontal and Diagonal Bracing**	Inspect lacing, struts, and bracing members on upright frames for buckling, bending, or missing fasteners.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
8	**Maximum Capacity Plaques**	Verify that rack load capacity warning plaques are clearly posted, legible, and accurately reflect current safe working loads.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A
9	**Wire Decking and Pallet Supports**	Check wire mesh decks and support bars for broken welds, severe corrosion, excessive sagging, or missing deck panels.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A
10	**Aisle Clearance and Pallet Overhang**	Ensure stored pallets do not overhang rack frames hazardously and that flues, sprinkler clearances, and aisles remain unobstructed.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

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

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