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	STANDARD: **OSHA 29 CFR 1926.1400 & ASME B30.9**	AUDIT FREQUENCY: **Daily Pre-Shift**

Crane Lifting Rigging Inspection Inspection Checklist

Operational Scope: This checklist establishes the mandatory daily inspection protocol for all crane lifting gear and associated rigging hardware on construction sites. It mitigates catastrophic load drop hazards by ensuring strict compliance with federal and industry safety standards before operations commence.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Safety Boots (ASTM F2413), High-Visibility Safety Vest (ANSI/ISEA 107), Impact-Resistant Safety Glasses (ANSI Z87.1), Heavy-Duty Leather Rigging Gloves
PREREQUISITES:	Verify crane operator credentials and valid rigging certification for all participating crew members. | Establish and barricade the drop zone and swing radius perimeter with highly visible warning tape. | Confirm weather conditions are within safe operational limits for crane lifting activities.

CRANE OPERATIONAL & SAFETY SYSTEMS CHECK

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Load Moment Indicator (LMI) & Operational Aids**	Verify LMI system powers up correctly, inputs match exact current boom configuration, and alarms function properly without error codes.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Wire Rope & Boom Hoist Cables**	Inspect full length of wire rope for broken wires (maximum allowable limits not exceeded), kinking, bird-caging, core protrusion, or severe abrasion.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Anti-Two-Block Device & Limit Switches**	Manually test anti-two-block weight and switch to ensure it instantly halts hoist-up and telescoping functions upon displacement.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Outriggers, Stabilizers, and Pads**	Inspect hydraulic cylinders for leaks, check locking pins are fully engaged, and verify cribbing pads are secure and level on stable ground.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

RIGGING HARDWARE & SLING INSPECTION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Synthetic Web and Round Slings**	Inspect for acid or caustic burns, melting/charring, holes, tears, cuts, snags, or exposed core yarns. Verify legible capacity tag is attached.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Wire Rope Slings & Mechanical Splices**	Check for severe corrosion, crushed eyes, cracked fittings, or broken wires in the tucks and body of the sling exceeding ASME rejection criteria.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Rigging Shackles (Anchor and Chain)**	Inspect shackle bodies and pins for cracks, bending, stretching, or thread damage. Ensure the correct pin is paired with the corresponding shackle body.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Hooks and Safety Latches**	Check hooks for twist greater than 10 degrees, throat opening expansion exceeding 5% of normal, and ensure spring-loaded safety latches snap firmly closed.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

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

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