

CRANE RIGGING LIFTING PLAN

STRAVIK Construction Group · Controlled Document

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STV-HSE-PLN-014	00 (Initial Issue)	2026-10-24	[SAFETY DIRECTOR]	Issued for review / pending approval

Management system alignment: This document is aligned with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 requirements as applicable. STRAVIK Construction Group does not claim third-party certification to these standards. Florida Certified General Contractor License No. [FL LICENSE NO.].

REVISION HISTORY

Rev.	Date	Description of Change	Prepared By	Approved By
00	2026-10-24	Initial issue for STRAVIK Construction Group	[PREPARED BY]	Michael Gaya, President

1. PURPOSE

This plan establishes standardized requirements and safe-work procedures for all crane, rigging, and lifting operations performed under STRAVIK Construction Group (STRAVIK). Its objectives are to:

- Prevent injury, property damage, and equipment failure.
- Define responsibilities and qualifications for all lifting personnel.
- Ensure compliance with OSHA 29 CFR 1926 Subpart CC, ASME B30 Series, and manufacturer recommendations.
- Provide a consistent system for planning, approving, and executing every lift— from routine picks to engineered critical lifts.

2. SCOPE

Applies to every STRAVIK project involving cranes, hoists, derricks, rigging, or lifting equipment, including subcontractor operations. It covers:

- Mobile, tower, overhead, and crawler cranes.
- Rigging gear, slings, spreader bars, and lifting beams.
- Critical lifts (> 75 % rated capacity / multi-crane / personnel / public exposure).
- Pre-lift planning, execution, and post-lift review.

3. REFERENCES

- OSHA 29 CFR 1926 Subpart CC – Cranes & Derricks in Construction
- OSHA 29 CFR 1926.251 – Rigging Equipment for Material Handling
- ASME B30.5 (Mobile Cranes), B30.9 (Slings), B30.10 (Hooks), B30.26 (Rigging Hardware)
- ANSI A10.42 – Rigging Qualifications

- ISO 45001 – Operational Control & Competence
- STRAVIK Field Safety Program (STV-HSE-MAN-002)

4. ROLES & RESPONSIBILITIES

Role Key Responsibilities

Approves this plan; ensures resources for certified operators President and annual crane inspections.

Maintains this policy, oversees audits, and verifies third-party Corporate EHS Director certifications.

Reviews and approves all lift plans; confirms qualified Project Manager personnel and proper documentation.

Lift Director / Site Coordinates all lifts; conducts pre-lift meetings; enforces Superintendent exclusion zones and communication protocols.

Operates only within rated load charts; halts lifts under unsafe Crane Operator conditions.

Qualified Rigger / Signal Inspects rigging, controls signaling, and ensures safe Person attachment of loads.

All Employees & Maintain awareness, stay clear of suspended loads, and report Subcontractors unsafe acts immediately.

5. LIFT CLASSIFICATION

Lift Type	Definition	Requirements
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Field JHA + standard pre-lift Ordinary Lift $\leq 75\%$ of crane's rated capacity checklist

Lift Type	Definition	Requirements
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> 75 % capacity / multi-crane / Engineered lift plan + PM & EHS Critical Lift personnel / blind pick / public approval exposure

Multiple Crane Two or more cranes supporting a PE-engineered rigging diagram +

Lift	single load	synchronized procedure
Personnel	Hoisting workers with approved	OSHA §1926.1431 compliance +
Platform Lift	basket	125 % test load

6. LIFT PLANNING PROCEDURE

6.1 Pre-Lift Requirements

- Complete Lift Plan Form (STV-QHSE-14A) before any lift.
- Identify load weight, center of gravity, rigging configuration, and radius.
- Review crane load chart, boom length, and counterweight.
- Confirm ground-bearing pressure $\geq 3,500$ psf or engineered verification.
- Inspect for overhead power lines, utilities, and wind conditions.

6.2 Ground Preparation & Setup

- Use mats or plates on soft soil; level crane $\leq 1\%$ grade.

- Maintain 10 ft clearance from lines $\leq$ 50 kV (plus 4 in/ kV thereafter).
- Deploy outriggers fully and verify locking pins.

6.3 Rigging Control

- All rigging hardware must be tagged and traceable.
- Factor of safety $\geq$ 5:1 for wire rope / chain, 10:1 for synthetic.
- No knots, bent hooks, or shock loading.
- Use spreader bars for off-center loads.

7. COMMUNICATION & SIGNALS

- Only one designated Signal Person per crane.
- Use OSHA Appendix A hand signals or dedicated radio channel.
- Conduct radio check before lifting.
- Stop work immediately if communication is lost.

8. PRE-LIFT MEETING

Before each critical lift: Review scope, weight, radius, load path. Confirm rigging inspection and tag status. Assign Lift Director and Signal Person. Check weather and ground conditions. Discuss emergency stop signals and rescue plan. Record attendance on Pre-Lift Checklist (STV-QHSE-14B).

9. ENVIRONMENTAL CONDITIONS

- Suspend operations $\geq$ 25 mph wind or lightning within 10 miles.
- Cease lifting during fog, heavy rain, or poor visibility.
- Document stoppage and conduct pre-restart inspection.

10. INSPECTIONS & MAINTENANCE

Inspection Type	Frequency	Responsible Party	Record Retention
Pre-Use Crane Check	Daily	Operator	1 Year
Rigging Inspection	Each Lift	Qualified Rigger	1 Year
Monthly Crane Audit	Monthly	Mechanic / Operator	Corporate Database

Annual Third-Party Cert Annually PE / Certified Inspector Corporate EHS Archive

Defective equipment is tagged "OUT OF SERVICE" and removed immediately.

11. EMERGENCY PROCEDURES

- Stop work and secure area in event of tip-over or dropped load.
- Notify Superintendent, EHS Director, and Emergency Services.
- Account for personnel at muster point.
- Preserve scene for investigation.
- Complete Incident Report within 24 hours.

12. TRAINING & QUALIFICATIONS

- Crane Operators: NCCCO or equivalent certification required.
- Riggers & Signal Persons: Qualified per OSHA 1926.1401-1442.
- Annual refresher training for all lifting personnel.
- Site-specific orientation prior to mobilization.

13. DOCUMENT CONTROL

- Maintain Lift Plan Forms (STV-QHSE-14A), Pre-Lift Checklists, and Rigging Logs on site for five years.
- Upload certifications and inspection records to corporate EHS portal.
- Include summary in monthly Safety Performance Report.

14. PERFORMANCE INDICATORS

- 100 % critical lift plans completed and approved pre-lift.
- Zero dropped-load incidents.
- 100 % operator/rigger qualification compliance.
- All non-conformances closed within 7 days.

15. REVIEW & IMPROVEMENT

The Corporate EHS Director shall review this plan annually or following any lifting related incident. Updates are communicated via Safety Bulletins and Toolbox Talks.

APPROVAL

Role	Name	Title	Signature	Date
Prepared By	[PREPARED BY]	[TITLE]		
Reviewed By	[QUALITY / HSE MANAGER]	[TITLE]		
Approved By	Michael Gaya	President		

This document is reviewed at least annually, or upon significant organizational, legal or operational change, and re-issued under document control per STV-GOV-POL-011.