

Site Specific Procedure: Construction Lifting Activities

Effective Date: August 5, 2026

Purpose & Scope

This Standard Operating Procedure (SOP) defines the mandatory baseline requirements for all lifting, hoisting, and rigging activities executed on the Quantum Rise site.

This procedure applies to all trade partners, subcontractors, operators, riggers, and signalpersons operating on site.

- **Exclusions:** Equipment not governed by OSHA 29 CFR 1926 Subpart CC (e.g., standard material handling using standard forks on a forklift) is exempt from this policy, provided non-rigged, fork-supported methods are utilized.
This SOP also does not cover any lifts that qualify as a critical lift (see SSSP).

Operational Roles & Responsibilities

To ensure clear oversight and single-point accountability across all lifting operations, the following project roles are established:

Role	Core Responsibilities	Qualification / Prerequisite Requirements
YMJV Lift Director	Overall authority and oversight for site lifting operations; reviews, and signs off on all Lift Plans; manages active lift permits; audits pre-lift checklists.	Minimum 10 years of crane/rigging experience and 3 years of experience as a Lift Director. Must have Lift Director certification.
Trade Partner Lift Director	Trade partner oversight of all active lifting operations; reviews and submits lift plans, manages all lift permits and ensures completion of pre-lift checklists.	Minimum 10 years of crane/rigging experience and 3 years of experience as a Lift Director. Must have Lift Director certification or be able to complete within 3 months of starting.

Crane Operator	Safe physical operation of the crane/hoisting unit; maintains pre-use inspection logs in the cab; adheres strictly to approved Lift Plans and manufacturer load charts.	Valid Driver's License, NCCCO/NCCER operator certification, current Medical Card, and documented site/equipment evaluation.
Certified Rigger	Selection, inspection, and arrangement of rigging hardware; completion and daily sign-off of the Pre-Lift Checklist before any pick.	NCCCO or NCCER certified Rigger.

Training & Administrative Prerequisites

No crane or hoisting equipment shall mobilize or operate on site without prior submittal and approval of credentials.

- **Trade Partner SOP:** Every trade partner engaged in lifting must submit a Hoisting and Rigging SOP.
- **Operator Credentials:** Crane operators must submit a valid Driver's License, NCCCO certification, Medical Card, and equipment evaluation.
- **Rigger Credentials:** Certificates and qualification assessments for all assigned riggers must be obtained prior to work commencement.

Lift Planning & Permit-to-Work Execution Process

Lift Plan Development

A Quantum Rise Lift Plan must be completed by the trade partner for all lifting operations. The plan must incorporate load radius calculations, equipment configuration, and rigging arrangements. Rigging arrangements must be designed in a way that there is no single point of failure. A Lift Permit is immediately invalidated, and a new Lift Plan must be submitted and approved if any of the following parameters change:

1. Crane setup, location, or configuration
2. Rigging configuration or hardware selection
3. Type of load being picked
4. Weight of the load
5. End of the crew's shift

YMJV Lift Director Sign-Off & Permit Issuance

- The trade partner submits the Lift Plan to the YMJV Lift Director. Lift Plans must include all necessary documentation, specs, and information for YMJV lift directors to approve the lift a minimum of 48 hours before the scheduled lift.
- All lift plans must incorporate a review of JSA/PTP/STAs.
- Upon approval, the YMJV Lift Director signs off on the Lift Plan and issues an Active Lift Permit.

- YMJV lift director logs the permit into the Centralized Permit Log.
- The physical Active Lift Permit must remain inside the crane cab throughout the duration of the lifting activity.

Daily Execution & Pre-Lift Checklist

Before each lift, the assigned Certified Rigger must physically inspect all rigging hardware, complete the Quantum Rise Pre-Lift Checklist, and sign it.

Closeout

- At the conclusion of lifting activities or end of each shift, active permits are closed out.
- The trade partner must submit physical copies of all completed daily Lift Plans and signed Pre-Lift Checklists to the YMJV Lift Director.
- All documentation is uploaded and archived.

Audit & Quality Assurance

- YMJV Safety and Supervision will perform weekly random audits of active and closed Lift Plans and Pre-Lift Checklists.
- Non-compliances will result in immediate work suspension and corrective actions.

Relevant Documentation

[Crane Lift Plan](#)

[Forklift Lift Plan](#)

[Prelift Rigging Checklist \(English\)](#)

[Prelift Rigging Checklist \(Spanish\)](#)