

Rigging Safety

Guy's Construction
123 Main Street, Anytown, CA 90210

Ontology-Backed Safety Document

Effective Date: June 08, 2026

SAMPLE DOCUMENT - NOT FOR COMPLIANCE USE

JURISDICTION AND REGULATORY FRAMEWORK

STATE-SPECIFIC: California has the following requirements:

- 75 percent of the rated capacity for the hoisting equipment
- fall hazards during hoisting, connecting, welding, bolting, rigging, and installing metal deck
- provided with and shall use electrical protective equipment appropriate for the specific parts of the body to be protected and for the work to be performed
- treat employee as exposed $>500 \text{ ?g/m}^3$ and implement protective measures until exposure assessment documents $?500 \text{ ?g/m}^3$
- manual signals, telephone communications, or visible/audible code signals
- approved for the purpose of determining the volume of liquid hydrocarbons removed, saved, or sold from a Federal lease
- operation only in response to manual signals, telephone communications, or visible or audible code signal
- removal from further MDA exposure if liver function tests indicate abnormality
- A report of the technology considered in meeting the PEL
- the load is resting on the sling
- 6-inch long, 3/4-inch diameter iron or steel bolt fastened through bolster not nearer than 3 inches to the end
- the load is resting on the sling
- spliced loops with galvanized thimble secured by a clip
- an iron or steel bolt 6 inches long and 3/4 inch in diameter fastened through at right angles not nearer than 3 inches to the end to prevent sling from accidentally slipping off
- written safety program required

NRS 618.383

- competent person (same definition as federal, supplemented by qualified person in specific standards)

Cal/OSHA T8 various sections

- qualified person to supervise

Cal/OSHA T8 Section 1670(b)(2)

- 15.1-36kV: 2ft 7in
- 46.1-72.5kV: 3ft 4in
- top of overhead beams, machine beams, or auxiliary beams
- designed to withstand twice the sum of the tension in all hoisting ropes attached to the hitch plates
- 8,000 psi (net section)
- shall not exceed 12000 lb/in²
- equipment structure (including the boom and jib) - bolts, rivets and other fasteners for loose, failed or significantly corroded condition
- when the load or passengers obstruct the use of the interior rear view mirror, there must be an outside rear view mirror on each side of the vehicle
- The employer must not allow or require any operator to lift personnel if the operator did not have at least eight hours off, immediately prior to the work shift containing the personnel lift operation
- from objects falling through holes (including skylights) by covers meeting 1926.502(i) or equivalent
- the standards contained in this subpart

- wrapped around either member
- use of repaired wire rope as suspension rope is prohibited
- as suspension rope
- 20 times that of the wire rope
- one of the wire rope fastenings
- tubing tensile, burst, and collapse strengths
- Appendix B to Subpart L Criteria for determining the feasibility of providing safe access and fall protection for scaffold erectors and dismantlers (Reserved)
- the slope of the embrittlement model residuals plotted as a function of the base 10 logarithm of neutron fluence
- 164,000 volts per meter (50,000 volts per foot) of length for 1 minute (if tool is made of wood)
- open deck drains with traps or similar devices to prevent the escape of H₂S gas into the atmosphere

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FEDERAL OSHA REQUIREMENTS

- critical lift plan per API 2D when exceeding 75% of crane capacity or meeting other criteria; NCCCO operator certification; rigging hardware inspection

API 2D / 29 CFR 1926.1400

- below a power line

29 CFR 1926.1409(c)

- during sling use, where service conditions warrant

29 CFR 1926.251(a)(6)

- the load is resting on the sling
- when the load is resting on the sling

29 CFR 1910.184(c)(12)

- its recommended safe working load as prescribed by the sling manufacturer on the identification markings permanently affixed to the sling
- loads balanced to prevent slippage

29 CFR 1910.184(c)(5)

- balanced to prevent slippage
- vertical basket hitch and choker hitch loadings
- each type of hitch and type of synthetic web material
- the recommended safe working load for the type(s) of hitch(es) used, the angle upon which it is based, and the number of legs if more than one
- the requirements of 29 CFR 1926.1414

29 CFR 1926.1414(a)

- dividing the breaking strength of wire rope by the total static load, including the weight of the wire rope in the shaft when fully extended

29 CFR 1926.552

- recommendations of the wire rope manufacturer, the equipment manufacturer, or a qualified person

29 CFR 1926.1414(a)

COMPANY PROCEDURES

Guy's Construction implements the following procedures for rigging safety:

- Guy's Construction shall: critical lift plan per API 2D when exceeding 75% of crane capacity or meeting other criteria; NCCCO operator certification; rigging hardware inspection

API 2D / 29 CFR 1926.1400

- Guy's Construction shall: below a power line

29 CFR 1926.1409(c)

- Guy's Construction shall: during sling use, where service conditions warrant

29 CFR 1926.251(a)(6)

- Guy's Construction shall: the load is resting on the sling

- Guy's Construction shall: when the load is resting on the sling

29 CFR 1910.184(c)(12)

TRAINING REQUIREMENTS

- All employees involved in this scope of work must receive initial training before beginning work
- Refresher training when procedures change or deficiencies are observed
- Training must be documented with date, topic, trainer, and attendees

RECORDKEEPING

- Training records: duration of employment
- Inspection/monitoring records: project duration + 3 years
- Incident reports: 5 years

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California STATE-SPECIFIC REQUIREMENTS (FULL)

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