

Subchapter 7. General Industry Safety Orders
Group 13. Cranes and Other Hoisting Equipment
Article 95. Derricks

CONTENTS

§4960. Construction:

§4961. Rated Load Marking:

§4962. Hoisting Ropes:

§4963. Access to Sheaves, Bearings and Blocks:

§4964. Derrick Signals:

§4960. Construction:

- (a) Derricks shall be guyed and anchored so as to prevent tipping or collapsing.
- (b) Reinforcing steel shall not be used for guy line anchors.
- (c) Dogs, pawls, or other positive holding mechanism on the hoist shall be engaged. When not in use, the derrick boom shall:
 - (1) Be laid down;
 - (2) Be secured to a stationary member, as nearly under the head as possible, by attachment of a sling to the load block; or
 - (3) Be hoisted to a vertical position and secured to the mast.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

HISTORY

- 1. New subsection (f) filed 2-13-75; effective thirtieth day thereafter (Register 75, No. 7).
- 2. Amendment filed 8-29-86; effective thirtieth day thereafter (Register 86, No. 39).

§4961. Rated Load Marking:

(a) For permanently installed derricks with fixed lengths of boom, guy and mast, a substantial durable and clearly legible rating chart shall be provided with each derrick and securely affixed where it is visible to personnel responsible for the safe operation of the equipment. The chart shall include but not necessarily be limited to the following data:

(1) Certified agent's approved load ratings at corresponding ranges of boom angle or operating radii.

(2) Specific length of components on which the load ratings are based.

(3) Required parts for hoisting reeving. Size and construction of the rope may be shown either on the rating chart or in the operating manual.

(b) For non-permanent installations, capacity charts shall be prepared for the particular installation based on information provided by the certified agent. The capacity charts shall be located at the derrick.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

HISTORY

1. Amendment of subsection (b) filed 8-29-86; effective thirtieth day thereafter (Register 86, No. 39).

§4962. Hoisting Ropes:

Hoisting ropes and similar moving ropes in exposed locations within 7 feet of the ground or floor, except for free end section, shall be guarded, enclosed, or fenced with standard railings.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

HISTORY

1. Amendment filed 8-29-86; effective thirtieth day thereafter (Register 86, No. 39).

§4963. Access to Sheaves, Bearings and Blocks:

If necessary to go out on derrick booms to service sheaves, bearings or blocks, the boom shall be equipped with catwalks, guardrails, and handholds and/or grab irons to give safe access to the equipment to be serviced. Booms which are lowered to the ground or floor level for service are exempted from this requirement.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

HISTORY

1. Amendment filed 8-29-86; effective thirtieth day thereafter (Register 86, No. 39).

§4964. Derrick Signals:

Whenever derricks are used for hoisting, two-way radios, telephones, or other acceptable signals shall be used unless manual signals are appropriate. See Section 5001.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

HISTORY

1. Amendment filed 8-29-86; effective thirtieth day thereafter (Register 86, No. 39).