

either solid or with openings not over 1 inch in length.

ELEVATORS

§ 50-204.34 Elevator inspection.

Elevator inspection by a competent elevator inspection service or maintenance contract on an annual basis will be acceptable as evidence of satisfactory installation and maintenance.

§ 50-204.35 Hoistways.

All hoistway openings at the floor level to the elevator shall be protected by doors or gates either manually or mechanically operated, and interlocked with the elevator control so that it is impossible to start the elevator until the door or gate is locked in the closed position, and also so that it is impossible to open the door or gate when the car is not at the landing.

§ 50-204.36 Under car safety device.

All elevators other than hydraulic elevators shall be equipped with an under car safety device operated by speed governor control that will hold the elevator in case of cable failure or over speeding.

§ 50-204.37 Hatch limit controls.

All types of elevators shall be equipped with upper and lower travel limit devices that will normally bring the car to rest at either terminal, and a final limit switch that will prevent the movement in either direction if opened by the car as the result of excessive over travel in either direction.

ILLUMINATION

§ 50-204.42 Minimum standards.

(a) Illumination shall be provided and distributed to all working areas as required in these regulations.

(b) Seeing tasks requiring discrimination of fine detail under conditions of fair contrast and where the nature of the work is very exacting and prolonged shall be provided with a minimum of 100 foot-candles of illumination.

(c) Seeing tasks requiring discrimination of detail over prolonged periods of time and under conditions of moderate contrast shall be provided with a minimum of 50 foot-candles of illumination.

(d) Seeing tasks requiring moderate discrimination of detail over intermittent periods of time and under conditions of normal contrast shall be provided with a minimum of 30 foot-candles of illumination.

(e) Casual seeing tasks not involving discrimination of fine detail shall be provided with a minimum of 10 foot-candles of illumination.

(f) Rough seeing tasks not requiring critical seeing shall be provided with a minimum of 5 foot-candles of illumination.

LADDERS

§ 50-204.47 Construction and use of portable ladders.

Portable ladders shall be substantially built, set level and well secured.

§ 50-204.48 Rails of portable ladders.

Rails of portable ladders shall always project at least three feet above working level and shall be of sound material.

§ 50-204.49 Painting of wooden ladders.

Wooden ladders shall not be painted, as painting covers up defects. Linseed oil or oil stain shall be used instead.

§ 50-204.50 Stepladders.

All stepladders shall be provided with an automatic locking device or spreader of not more than 40 degrees to hold the front and back sections in open position.

§ 50-204.51 Fixed ladders.

(a) Rest platforms: If fixed ladders are used to ascend to heights exceeding 30 feet, a landing or rest platform shall be provided for each 30 feet or fraction thereof unless the ladder is provided with safety cages.

(b) Rails: Rails of fixed ladders to landings shall extend a distance of at least 3 feet above the landing.

(c) Rungs: The rungs may be omitted above the landing. Where an employee must step a greater distance than 14 inches from the ladder to roof, tank, hoist, etc., a landing shall be provided.

(d) Guard rails: All fixed ladder landings shall be equipped with a standard guard rail and toe boards, so arranged as to give the safest possible access to the ladder. Such platforms shall not be less than 24 inches in width.

AISLES AND PASSAGEWAYS

§ 50-204.56 Maintenance.

Permanent aisles and passageways shall be kept clear and in good repair, with no obstructions across or in aisles that might cause tripping. Where, due to lack of proper identification, aisles and passageways are likely to become hazardous, they shall be clearly defined by painted lines, curbs, or other methods of marking.

§ 50-204.57 Aisle widths.

Where industrial trucks are in customary use, one-way traffic aisles shall be at least 2 feet wider than the widest vehicle. Two-way aisles shall be at least 3 feet wider than twice the width of the widest vehicle.

MATERIAL STORAGE

§ 50-204.62 Height.

(a) All material in bags, containers, or bundles, stored in tiers, shall be stacked, blocked, interlocked, and limited in height so that it is stable, so that it is secure against sliding or collapse.

(b) Where automatic sprinkler protection is provided, clearance of at least 18 inches shall be maintained between the tops of materials and the underside of lowest beams or other overhead structures. Where reliance is placed on hose streams, clearance of at least 3 feet shall be maintained between the tops of piles and the underside of the lowest beams, girders, or other obstructions which restrict the play of hose streams over the material.

§ 50-204.63 Small articles.

Small articles shall be stored in containers suitable to the material, such as small cans or trays that can be stacked.

§ 50-204.64 Pipe and other long stock.

Pipe and other long stock shall be stored in suitable racks or blocked to prevent spreading or rolling. Projecting ends shall be protected by location, railings, or barriers.

§ 50-204.65 Hazardous chemicals.

Hazardous chemicals shall be distinctively marked to indicate their nature and stored in containers or locations suitable to the material.

§ 50-204.66 Cases in cylinders.

(a) Cylinders shall be supported in an upright position so as to prevent them from falling or rolling.

(b) Cylinders shall be kept away from excessive heat, such as the direct rays of the sun.

(c) Cylinders shall be stored away from combustible materials.

(d) Empty cylinders shall be plainly marked "EMPTY," and the valves shall be closed. The empty cylinders shall be segregated from the full cylinders and returned to the supplier as soon as practicable.

(e) Valve covers shall be kept in place at all times when the cylinder is not in use.

OUTDOOR STORAGE

§ 50-204.71 Aisle spacing.

Aisles shall be maintained between piles, between buildings, and between piles and the boundary of the storage site. Aisles shall be wide so as to reduce the danger of spread of fire from pile to pile and to permit ready access for fire fighting or emergency removal of material.

§ 50-204.72 Housekeeping.

The entire storage site shall be kept free from unnecessary accumulations of combustible materials. Weeds and grass shall be kept down and the area kept clean.

§ 50-204.73 Drainage.

Proper drainage shall be provided.

§ 50-204.74 Clearance signs.

Clearance signs to warn of clearance limits shall be provided.

§ 50-204.75 Derrail and bumper blocks.

Derrail and bumper blocks shall be provided on spur tracks.

§ 50-204.76 Traffic control signs.

Traffic control signs to warn pedestrian, vehicular, and railroad traffic shall be provided.

§ 50-204.77 Open pits, tanks, vats, ditches, etc.

Covers or guard rails shall be provided to protect all open pits, tanks, vats, ditches, etc. near which people are regularly employed.

FLAMMABLE LIQUIDS

§ 50-204.82 Sources of ignition.

All sources of ignition shall be prohibited in areas where flammable liquids are stored, handled, and processed. Suitable warning and "No Smoking" signs shall be posted in all such areas.