



Ohio Administrative Code

Rule 4101:9-2-21 Power-driven hoisting apparatus occupations.

Effective: [March 6, 2020](#)

(A) The following occupations involved in the operation of power-driven hoisting apparatus are prohibited for minors under eighteen years of age:

(1) Work of operating, tending, riding upon, working from, repairing, servicing, or disassembling an elevator, crane, derrick, hoist, or high-lift truck, except operating an unattended automatic operation passenger elevator or an electric or air-operated hoist not exceeding one ton capacity. Tending such equipment includes assisting in the hoisting tasks being performed by the equipment.

(2) Work of operating, tending riding upon, working from, repairing, servicing, or disassembling a manlift or freight elevator, except a freight elevator operated by an assigned operator. Tending such equipment includes assisting in the hoisting tasks being performed by the equipment.

(3) Work on assisting in the operation of a crane, derrick, or hoist performed by crane hookers, crane chasers, hookers-on, riggers, rigger-helpers, and like occupations.

(B) Definitions:

(1) The term "elevator" shall mean any power-driven hoisting or lowering mechanism equipped with a car or platform that moves in guides in a substantially vertical direction. The term shall include both passenger and freight elevators (including portable elevators or tiering machines), but shall not include dumbwaiters.

(2) The term "crane" shall mean a power-driven machine for lifting and lowering a load and moving it horizontally, in which the hoisting mechanism is an integral part of the machine. The term shall include all types of cranes, such as cantilever gantry, crawler, gantry, hammerhead, ingot-pouring, jib, locomotive, motor truck, overhead traveling, pillar jib, pintle, portal, semi-gantry, semi-portal, storage bridge, tower, walking jib, and wall cranes.



(3) The term "derrick" shall mean a power-driven apparatus consisting of a mast or equivalent members held at the top by guys or braces, with or without a boom, for use with a hoisting mechanism and operating ropes. The term shall include all types of derricks, such as A-frame, breast, Chicago boom, gin-pole, buy, and stiff-leg derricks.

(4) The term "high-lift truck" shall mean a power-driven industrial type of truck used for lateral transportation that is equipped with a power-operated lifting device usually in the form of a fork or platform capable of tiering loaded pallets or skids one above the other. Instead of a fork or platform, the lifting device may consist of a ram, scoop, shovel, crane, revolving fork, or other attachments for handling specific loads. The term shall mean and include high-lift trucks known under such names as forklifts, fork trucks, forklift trucks, tiering trucks, or stacking trucks, but shall not mean low-lift trucks or low-lift platform trucks that are designed for the transportation of, but not the tiering of, material.

(5) The term "manlift" shall mean a device intended for the conveyance of persons that consists of platforms or brackets mounted on or attached to an endless belt, cable, chain or similar method of suspension; such belt, cable, or chain operating in a substantially vertical direction and being supported by and driven through pulleys, sheaves, or sprockets at the top or bottom.

(6) The term "hoist" shall mean a power-driven apparatus for raising or lowering a load by the application of a pulling force that does not include a car or platform running in guides. The term shall include all types of hoists, such as base-mounted electric, clevis suspension, hood suspension, monorail, overhead electric, simple drum, and trolley suspension hoists.

(C) Exception:

This rule shall not prohibit the operation of an automatic elevator and an automatic signal operation elevator provided that the exposed portion of the car interior (exclusive of vents and other necessary small openings), the car door, and the hoistway doors are constructed of solid surfaces without any opening through which a part of the body may extend; all hoistway openings at floor level have doors that are interlocked with the car door so as to prevent the car from starting until all such doors are closed and locked; the elevator (other than hydraulic elevators) is equipped with a device that will stop and hold the car in case of overspeed or if the cable slackens or breaks; and the elevator is



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 and will open in case of excessive over travel by the car.

(D) Definitions as used in this exception:

(1) For the purpose of this exception, the term "automatic elevator" shall mean a passenger elevator, a freight elevator, or a combination passenger-freight elevator, the operation of which is controlled by pushbuttons in such a manner that the starting, going to the landing selected, leveling and holding, and the opening and closing of the car and hoistway doors are entirely automatic.

(2) For the purpose of this exception, the term "automatic signal operation elevator" shall mean an elevator that is started in response to the operation of a switch (such as a lever or pushbutton) in the car that when operated by the operator actuates a starting device that automatically closes the car and hoistway doors and from this point on, the movement of the car to the landing selected, leveling and holding when it gets there, and the opening of the car and hoistway doors are entirely automatic.