347—73.19(89A) Power-operated special purpose elevators.

73.19(1) Elevators complying with the following requirements may be installed in any structure where the elevator is not accessible to the general public, is used exclusively for designated operating and maintenance employees only, and where transportation of one or two persons is required to attend machinery or equipment frequently.

73.19(2) The inside platform area of the car shall not exceed 9 square feet. The rated speed shall not exceed 100 FPM. The rated load shall not exceed 650 pounds.

73.19(3) Hoistways shall be enclosed to their full width, to a height of not less than 7 feet with solid or perforated noncombustible material braced to deflect not more than 1 inch when subjected to a force of 100 pounds applied horizontally at any point. Open work enclosures shall be at least number 13 steel wire gauge or expanded metal at least number 13 U.S. gauge and shall reject a ball 2 inches in diameter. Where counterweights pass, landing and stairway side shall be of solid construction.

73.19(4) Wiring shall comply with the requirements of the National Electrical Code, ANSI C1-1975 (NFPA 70-1975).

73.19(5) Counterweights shall comply with rule 347—73.11(89A).

73.19(6) Hoistway doors shall comply with subrules 73.2(1), 73.2(7) and 73.2(11).

73.19(7) Cars shall be solidly constructed in accordance with subrules 73.12(1) and 73.12(2).

73.19(8) Car enclosure.

a. Except at the entrance, the car shall be enclosed on all sides and the top. The enclosure at the sides shall be solid or openwork. All openwork shall reject a ball 1 inch in diameter. The enclosure shall be constructed of sufficient strength that it will not deflect more than 1 inch at any one point.

b. There shall be an electric light to illuminate the car or hoistway with the switch placed on or near the operating panel.

c. There shall be no glass used in the elevator car except for the car light.

73.19(9) A car door shall be provided at each car entrance. Door or gate shall guard the complete entrance. The door or gate shall be at least 7 feet high, of metal construction with solid or open construction to reject a ball 1 inch in diameter. A contact switch shall be provided to prevent the operation of the elevator with doors or gates open. The door or gate shall be provided with interlocks.

73.19(10) Guiderails shall comply with rule 347—73.15(89A).

73.19(11) The means and methods of suspension shall comply with subrules 73.13(1), 73.13(2), 73.13(3), 73.13(7), 73.13(8), 73.13(9), 73.13(10), 73.13(11), 73.13(12) and 73.13(13).

73.19(12) Electrical switches shall comply with subrules 73.7(2) and 73.7(9).

73.19(13) Brakes shall comply with rule 347—73.5(89A).

73.19(14) Emergency signal or communication shall comply with subrule 73.3(11).