

## SECTION .0200 – CODES AND STANDARDS

### 13 NCAC 15 .0201 NEW INSTALLATIONS OF ELEVATORS, ESCALATORS, DUMBWAITERS AND MOVING WALKS

(a) The design, construction, installation, inspection, and operation of all new installations of elevators, dumbwaiters, escalators, and moving walks, shall conform to the rules in this Section and the A17.1 - American National Standard Safety Code for Elevators and Escalators, which is incorporated by reference subject to the modifications provided in Paragraph (b) of this Rule. This incorporation includes subsequent amendments and editions of the Code.

(b) The provisions of the A17.1 - American National Standard Safety Code for Elevators and Escalators shall be subject to the following modifications:

- (1) Rule 2.1.2.1 – Observation Elevators Not Fully Enclosed. Change the rule to read as follows: For observation elevators which are not fully enclosed, protection at landings shall be provided as follows:
  - (A) An enclosure shall be provided which shall extend a minimum of ten (10) feet above the floor.
  - (B) The enclosure shall be constructed of unperforated material.
  - (C) Enclosures shall be located in the general line of the hoistway. Horizontal clearance shall be the same as stated in Section 2.5.
- (2) Rule 3.18.3.4 – Safety Bulkhead. Change the rule to read as follows:
  - (A) For new installations only, cylinders buried in the ground shall be provided with a safety bulkhead having an orifice of a size that would permit the car to descend at a speed not greater than 0.075 m/s (14 ft/min), nor less than 0.025 m/s (5 ft/min). A space of not less than 25 mm (1 in.) shall be left between the welds of the safety bulkhead and the other cylinder head. Safety bulkheads shall conform to 3.18.3.6.
  - (B) For existing installations only, cylinders buried in the ground do not have to be provided with a safety bulkhead of the type referred to in Part (A) of this Paragraph, provided that the following conditions are met:
    - (i) The relief valve setting and system pressure test prescribed by 8.11.3.2.1, and the cylinder test prescribed by 8.11.3.2.2, are each performed two times per year; and
    - (ii) After each of the tests referred to Subpart (i) of this Part, have been performed successfully, the test tag prescribed by 8.11.1.6 shall be installed in the machine room.
  - (C) A safety bulkhead shall not be required where a double cylinder is used and where both inner and outer cylinders conform to 3.18.3.

(c) The rules of this Chapter shall control when any conflict between these Rules and the A17.1 - American National Standard Safety Code for Elevators and Escalators exists.

(d) Copies of the A17.1 - American National Standard Safety Code for Elevators and Escalators are available for public inspection in the office of the Division, and may be obtained from the American Society of Mechanical Engineers (ASME), via U.S. Mail at Two Park Avenue, New York, New York 10016-5990, via telephone at (800) 843-2763, or via the internet at [www.asme.org](http://www.asme.org). The cost is one-hundred ninety-five dollars (\$195.00) per copy.

*History Note: Authority G.S. 95-110.5;  
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