



OFFICE OF INSURANCE AND SAFETY FIRE COMMISSIONER

RALPH T. HUDGENS

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SAFETY FIRE COMMISSIONER
INDUSTRIAL LOAN COMMISSIONER

SEVENTH FLOOR, WEST TOWER
FLOYD BUILDING
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CHECK LIST FRENQUENTLY ENCOUNTERED ITEMS WHICH DELAY ACCEPTANCE OF NEW RESIDENTIAL ELEVATORS

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Private Residential Elevators are to be installed as a means of access to private residence. To be so installed that they are not accessible to the general public or other occupants of the building.

1. Hoistway – required to be fire rated per Standard building Code. It shall be enclosed throughout its height; any exterior window within the hoistway shall be protected by metal grillwork that will reject a ball 3: in diameter, and be securely fastened to the inside of the hoistway per ASME A17.1, Rule 5.3.1.1, except as follows:
 - (A) The bottom floor of a two stop elevator may not require an enclosure.
See ASME A17.1, Rule 5.3.1(a-c).
 - (B) The top floor of a two stop elevator may not require an enclosure.
See ASME A17.1, Rule 5.3.1.1.2(a) & (b) (1-3).
2. Hoistway doors and interlocks shall be installed to withstand a force of 150 pounds.
See ASME A17.1, Rule 5.3.1.7.1.
3. Hoistway key access is required at all floors.
See ASME A17.1, Rule 5.3.1.7.7 & 2.12.6.
4. Machine area shall be secured against unauthorized access per NEC, 620-71.
Note: self-closing, self-locking door not required.

5. Machine room working clearances. See NEC, 620-5 & NEC, 110-26.
 - 36 inches from the controller to the wall with non-conductive surface.
 - 42 inches from the controller to the wall with conductive surfaces and with a single leg of 150 volts to ground.
 - 48 inches from the controller to other electrical devices and with a single leg voltage of more than 150 volts.
 - Width shall be controller width or a minimum of 30 inches wide, whichever is greater. Height shall be 78 inches minimum from the floor.
6. Main power disconnects shall be capable of being locked in the off position, shall have overcurrent protection, and shall be within sight of the motor controller.
See NEC, 620-51.
7. Car light disconnects shall be capable of being locked in the off position.
See NEC, 620-53.
8. Flexible hoses shall not penetrate a wall nor be installed in the hoistway.
See ASME A17.1, Rule 5.3.2.2.1 & 3.19.3.3.1.
9. Care size – Inside clear area of a residential elevator shall not exceed 15 square feet.
See ASME A17.1, Rule 5.3.10.1
10. Car clearances:
 - (A) Overhead: 6" @ 30 fpm to 9" @ 40 fpm.
See ASME A17.1, Rule 5.3.1.3.
 - (B) Between hoistway door and landing sill: 3" maximum. Between hoistway door and car door: 5" maximum.
See ASME A17.1, Rule 5.3.1.7.2.
 - (C) Between car sill and hoistway sill: 50" minimum, 1.25".
See ASME A17.1, Rule 5.3.1.4.2.
 - (D) Between car and hoistway enclosure of counterweight: $\frac{3}{4}$ " minimum.
See ASME, A17.1, Rule 2.14.1.8.2
11. Glass in elevators is the same as commercial elevators.
See ASME A17.1, Rules 5.3.1.8.1(c) & 2.14.1.8.2.
12. All tests such as, load test, safety devices, relief valves and safety circuits, shall be completed prior to acceptance.
See ASME A17.1, Rule 8.10.5.2.

For State Laws and Rules refer to website: www.oci.ga.gov/FireMarshal/SafetyEngineering.aspx

Current Codes in effect are: ASME A17.1 2007 with 08 & 09 addenda's, NEC 2011, NFPA 72, 13, 13R, 101 2002 edition , ANSI 117.1 2003

Note: Anyone installing, altering or maintaining, (Commercial or residential) elevators, wheelchair lifts, chairlifts, dumbwaiters, manlifts, material lifts, moving walks or escalators, must have a "Certificate of Authorization" issued by the Office of Insurance and Safety Fire Commissioner. All new or altered equipment listed above is required to be permitted prior to beginning installation or alteration and inspected by the Office of Insurance and Safety Fire Commissioner Inspector prior to use. Any work without a permit, or by unauthorized personnel or any attempt to allow anyone to use this equipment without inspection by our inspectors, or without it being approved for use by our inspectors, may result in penalties being imposed.

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