

Home Elevator $\frac{3}{4}$ "x4" Rule

Why Does This Rule Matter to You

The Home Elevator $\frac{3}{4}$ "x4" Rule was developed by the ASME in 2016 to provide guidance on the safest manner to design and install an elevator in a private residential home. This rule has already been enacted into the state building codes of many states and is referenced in current and proposed state laws. These laws carry both business and individual criminal and civil offenses that can result in incarceration if convicted. This rule:

1. Provides the safest manner to install a home elevator and prevents potential entrapments of children between elevator gates and hoistway doors in a home that can lead to death or serious injury.
2. Is approved in the RBC 2025 Edition that all states will adopt into their state building codes in the near future.
3. Is measured and tested in areas that require residential elevator inspections. The number of required inspected areas for home elevators around the country continues to increase each year and is expected to be mandatory for all homes in the future.
4. Is the right thing to do!

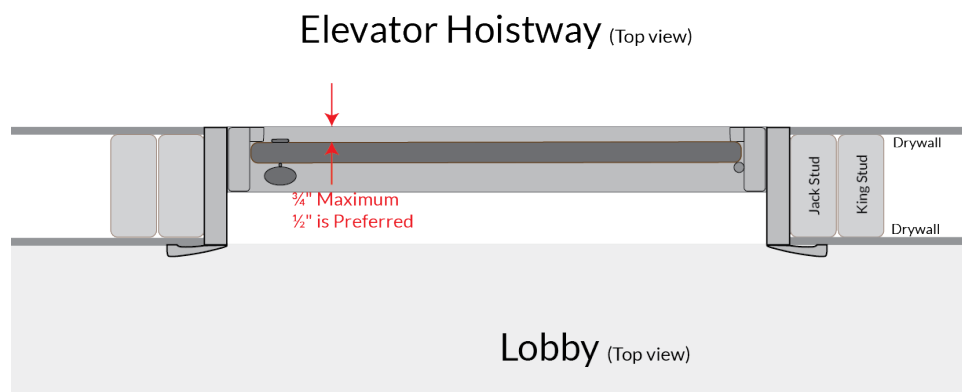
Details on Rule

Residential Elevators manufactures and installs a fully code compliant elevator per the 2016 ASME ANSI A17.1 National Safety Code for Elevators–Section 5.3 Private Residence Elevators.

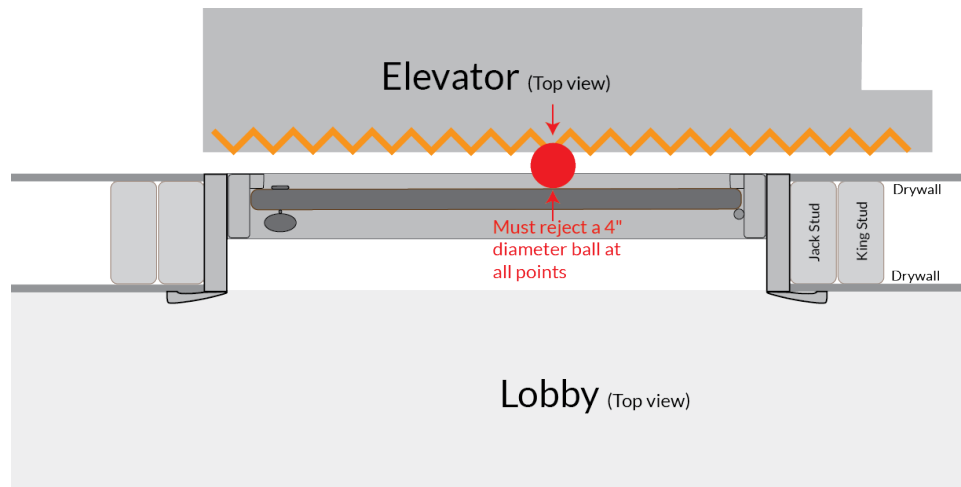
- An out of plumb shaft will greatly affect running clearances and exacerbate the Code Compliance Issues. Hoistway doors must be plumb to each other from floor to floor.
- Concrete block / masonry shafts and some commercial metal door frames can create Rule violations.
- The General Contractor or home builder is responsible for aligning doors within compliance.

ASME 5.3.1.7.2 of the above referenced code defines Clearance Between Hoistway Doors or Gates and Landing Sills and Car Doors or Gates.

1. The distance between the hoistway doors or gates and the hoistway edge of the landing sill shall not exceed $\frac{3}{4}$ " ($\frac{1}{2}$ " is Preferred). Inability to meet this requirement will create a SAFETY ISSUE and can result in INJURY, DEATH, or a Failed Inspection. See below.



2. The distance between the hoistway face of the landing door or gate must reject a 4" diameter ball at all points. Inability to meet this requirement will create a SAFETY ISSUE and can result in INJURY, DEATH, or a Failed Inspection. See below.



Residential Elevators takes pride in ensuring safety in the use of their equipment and as a policy wants to make sure all Builders, Architects, Developers, Owners, and Users are aware of and adhere to this Code requirement.

THIS IS A SAFETY ISSUE.

4 Inch Space
Compliance
Video



Vídeo de
cumplimiento
de espacio de 4
pulgadas

