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A bill to be entitled
 An act relating to elevators; creating s. 399.031,
 F.S.; providing a short title; providing clearance
 requirements for elevators installed in private
 residences; requiring certain doors and gates to
 withstand a specified amount of force; requiring
 certain doors to reject a sphere of a specified size
 under certain circumstances; requiring all such
 elevators to be equipped with a certain device;
 providing requirements for the device; providing
 applicability; providing an effective date.

Be It Enacted by the Legislature of the State of Florida:

Section 1. Section 399.031, Florida Statutes, is created
 to read:

399.031 Clearance requirements between elevator doors for
 elevators inside a private residence.—

(1) This section may be cited as the "Maxwell Erik 'Max'
 Grablin Act."

(2) For elevators installed in a private residence:

(a) The distance between the hoistway face of the hoistway
 doors and the hoistway edge of the landing sill may not exceed
 3/4 of an inch for swinging doors and 2 1/4 inches for sliding
 doors.

(b)1. Horizontal sliding car doors and gates shall be

27 designed and installed to withstand a force of 75 pounds applied
28 horizontally on an area 4 inches by 4 inches at right angles to,
29 and at any location on, the car door without permanent
30 deformation. The deflection may not exceed 3/4 of an inch and
31 may not displace the door from its guides or tracks. The force
32 must be applied while the door is in the fully closed position.

33 2. Folding car doors shall be designed and installed to
34 withstand a force of 75 pounds applied horizontally using a 4-
35 inch-diameter sphere at any location within the folds on the car
36 door without permanent deformation. The deflection may not
37 exceed 3/4 of an inch and may not displace the door from its
38 guides or tracks. The force must be applied while the door is in
39 the fully closed position.

40 (c) The distance between the hoistway face of the landing
41 door and the hoistway face of the car door or gate shall conform
42 to one of the following:

43 1. If a power-operated horizontally sliding hoistway and
44 car doors are used, the measurement between the leading edge of
45 the doors or sight guard, if provided, may not exceed 4 inches.
46 If it is possible for a user to detach or disconnect either door
47 from the operator and such detachment or disconnection allows
48 the user to operate the door manually, the requirement in
49 subparagraph 5. applies.

50 2. If swinging hoistway doors and folding car doors are
51 used and both doors are in the fully closed position, the space
52 between the hoistway door and the folding door must reject a 4-

53 inch-diameter sphere at all points.

54 3. If swinging hoistway doors and car gates are used, the
55 space between the hoistway door and the car gate must reject a
56 4-inch-diameter sphere at all points.

57 4. If the car doors are powered and arranged so that they
58 cannot be closed until after the hoistway door is closed, and
59 the car doors automatically open when the car is at a landing
60 and the hoistway door is opened, the measurement between the
61 hoistway face of the hoistway door and the hoistway face of the
62 car door at its leading edge may not exceed 4 inches. If it is
63 possible for a user to detach or disconnect either door from the
64 operator and such detachment or disconnection allows the user to
65 operate the door manually, the requirement in subparagraph 5.
66 applies.

67 5. If swinging or horizontally sliding hoistway doors and
68 manual horizontally sliding car doors are used and both doors
69 are in the fully closed position, the space between the swinging
70 or horizontally sliding hoistway door and the manual
71 horizontally sliding car doors must reject a 4-inch-diameter
72 sphere at all points.

73 (3) The underside of the platform of an elevator car
74 shall be equipped with a device that, if the platform of the
75 elevator car is obstructed anywhere on its underside in its
76 downward travel, interrupts the electric power to the driving
77 machine motor and brake, if provided, and stops the elevator
78 car's downward motion within 2 inches. The stroke of the device

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79 may not be less than the stopping distance of the platform of
80 the elevator car. The force required to operate the device may
81 not exceed 15 pounds. Downward motion shall be permitted to
82 resume only after the elevator has been manually reset.

83 (4) This section applies to all new elevators in a private
84 residence.

85 Section 2. This act shall take effect July 1, 2016.