



956882

LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/28/2016	.	
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The Committee on Regulated Industries (Negron) recommended the following:

**Senate Amendment (with title amendment)**

Delete everything after the enacting clause  
and insert:

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."



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11 (2) For elevators installed in a private residence:

12 (a) The distance between the hoistway face of the hoistway  
13 doors and the hoistway edge of the landing sill may not exceed  
14 3/4 inch for swinging doors and 2 1/4 inches for sliding doors.

15 (b)1. Horizontal sliding car doors and gates shall be  
16 designed and installed to withstand a force of 75 pounds applied  
17 horizontally on an area 4 inches by 4 inches at right angles to  
18 and at any location on the car door without permanent  
19 deformation. The deflection may not exceed 3/4 inch and may not  
20 displace the door from its guides or tracks. The force must be  
21 applied while the door is in the fully closed position.

22 2. Folding car doors shall be designed and installed to  
23 withstand a force of 75 pounds applied horizontally using a 4-  
24 inch-diameter sphere at any location within the folds on the car  
25 door without permanent deformation. The deflection may not  
26 exceed 3/4 inch and may not displace the door from its guides or  
27 tracks. The force must be applied while the door is in the fully  
28 closed position.

29 (c) The distance between the hoistway face of the landing  
30 door and the hoistway face of the car door or gate shall conform  
31 to one of the following:

32 1. If a power-operated horizontally sliding hoistway and  
33 car doors are used, the measurement between the leading edge of  
34 the doors or sight guard, if provided, may not exceed 4 inches.  
35 If it is possible for a user to detach or disconnect either door  
36 from the operator and such detachment or disconnection allows  
37 the user to operate the door manually, the requirement in  
38 subparagraph 5. applies.

39 2. If swinging hoistway doors and folding car doors are



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40 used and both doors are in the fully closed position, the space  
41 between the hoistway door and the folding door must reject a 4-  
42 inch-diameter sphere at all points.

43 3. If swinging hoistway doors and car gates are used, the  
44 space between the hoistway door and the car gate must reject a  
45 4-inch-diameter sphere at all points.

46 4. If the car doors are powered and arranged so that they  
47 cannot be closed until after the hoistway door is closed, and  
48 the car doors automatically open when the car is at a landing  
49 and the hoistway door is opened, the measurement between the  
50 hoistway face of the hoistway door and the hoistway face of the  
51 car door at its leading edge may not exceed 4 inches. If it is  
52 possible for a user to detach or disconnect either door from the  
53 operator and such detachment or disconnection allows the user to  
54 operate the door manually, the requirement in subparagraph 5.  
55 applies.

56 5. If swinging or horizontally sliding hoistway doors and  
57 manual horizontally sliding car doors are used and both doors  
58 are in the fully closed position, the space between the swinging  
59 or horizontally sliding hoistway door and the manual  
60 horizontally sliding car doors must reject a 4-inch-diameter  
61 sphere at all points.

62 (3) The underside of the platform of an elevator car shall  
63 be equipped with a device that, if the platform of the elevator  
64 car is obstructed anywhere on its underside in its downward  
65 travel, interrupts the electric power to the driving machine  
66 motor and brake, if provided, and stops the elevator car's  
67 downward motion within 2 inches. The stroke of the device may  
68 not be less than the stopping distance of the platform of the



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69 elevator car. The force required to operate the device may not  
70 exceed 15 pounds. Downward motion shall be permitted to resume  
71 only after the elevator has been manually reset.

72 (4) This section applies to all new elevators in a  
73 residential dwelling.

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

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76 ===== T I T L E A M E N D M E N T =====

77 And the title is amended as follows:

78 Delete everything before the enacting clause  
79 and insert:

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