LEGISLATIVE GENERAL COUNSEL
₵ Approved for Filing: R.H. Rees ₵
₵ 02-09-12 1:47 PM ₵

H.B. 383
1st Sub. (Buff)

Representative Jeremy A. Peterson proposes the following substitute bill:

INTERNATIONAL RESIDENTIAL CODE AMENDMENTS

2012 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Jeremy A. Peterson

Senate Sponsor: Curtis S. Bramble

LONG TITLE

General Description:

This bill modifies a provision of the adopted International Residential Code.

Highlighted Provisions:

This bill:

- adds a provision to the adopted International Residential Code stating that a physical change to a structure with a nonconforming legal rental housing use for an egress bedroom window is not necessary under certain circumstances.

Money Appropriated in this Bill:

None

Other Special Clauses:

None

Utah Code Sections Affected:

AMENDS:

15A-3-202, as enacted by Laws of Utah 2011, Chapter 14

Be it enacted by the Legislature of the state of Utah:

Section 1. Section **15A-3-202** is amended to read:

15A-3-202. Amendments to Chapters 1 through 5 of IRC.

(1) In IRC, Section R102, a new Section R102.7.2 is added as follows:

"R102.7.2 Physical change for bedroom window egress in legal nonconforming rental housing use. A structure classified as a legal nonconforming rental housing use, whose egress bedroom window is smaller than required by this code, is not required to undergo a physical change to conform to this code if the change would compromise the structural integrity of the building or could not be completed in accordance with other applicable requirements of this code, including setback and window well requirements."

[~~(1)~~] (2) In IRC, Section 109:

(a) A new IRC, Section 109.1.5, is added as follows: "R109.1.5 Weather-resistant exterior wall envelope inspections. An inspection shall be made of the weather-resistant exterior wall envelope as required by Section R703.1 and flashings as required by Section R703.8 to prevent water from entering the weather-resistive barrier."

(b) The remaining sections are renumbered as follows: R109.1.6 Other inspections; R109.1.6.1 Fire- and smoke-resistance-rated construction inspection; R109.1.6.2 Reinforced masonry, insulating concrete form (ICF) and conventionally formed concrete wall inspection; and R109.1.7 Final inspection.

[~~(2)~~] (3) IRC, Section R114.1, is deleted and replaced with the following: "R114.1 Notice to owner. Upon notice from the building official that work on any building or structure is being prosecuted contrary to the provisions of this code or other pertinent laws or ordinances or in an unsafe and dangerous manner, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent or to the person doing the work; and shall state the conditions under which work will be permitted to resume."

[~~(3)~~] (4) In IRC, Section R202, the following definition is added: "CERTIFIED BACKFLOW PREVENTER ASSEMBLY TESTER: A person who has shown competence to test Backflow prevention assemblies to the satisfaction of the authority having jurisdiction under Utah Code, Subsection 19-4-104(4)."

[~~(4)~~] (5) In IRC, Section R202, the definition of "Cross Connection" is deleted and replaced with the following: "CROSS CONNECTION. Any physical connection or potential connection or arrangement between two otherwise separate piping systems, one of which contains potable water and the other either water of unknown or questionable safety or steam,

gas, or chemical, whereby there exists the possibility for flow from one system to the other, with the direction of flow depending on the pressure differential between the two systems (see "Backflow, Water Distribution")."

[~~(5)~~] (6) In IRC, Section R202, the definition of "Potable Water" is deleted and replaced with the following: "POTABLE WATER. Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming to the Utah Code, Title 19, Chapters 4, Safe Drinking Water Act, and 5, Water Quality Act, and the regulations of the public health authority having jurisdiction."

[~~(6)~~] (7) IRC, Figure R301.2(5), is deleted and replaced with Table R301.2(5a) and Table R301.2(5b) as follows:

"TABLE NO. R301.2(5a)				
STATE OF UTAH - REGIONAL SNOW LOAD FACTORS				
	COUNTY	P_o	S	A_o
	Beaver	43	63	6.2
	Box Elder	43	63	5.2
	Cache	50	63	4.5
	Carbon	43	63	5.2
	Daggett	43	63	6.5
	Davis	43	63	4.5
	Duchesne	43	63	6.5
	Emery	43	63	6.0
	Garfield	43	63	6.0
	Grand	36	63	6.5
	Iron	43	63	5.8
	Juab	43	63	5.2
	Kane	36	63	5.7
	Millard	43	63	5.3
	Morgan	57	63	4.5
	Piute	43	63	6.2

		Rich	57	63	4.1
		Salt Lake	43	63	4.5
		San Juan	43	63	6.5
		Sanpete	43	63	5.2
		Sevier	43	63	6.0
		Summit	86	63	5.0
		Tooele	43	63	4.5
		Uintah	43	63	7.0
		Utah	43	63	4.5
		Wasatch	86	63	5.0
		Washington	29	63	6.0
		Wayne	36	63	6.5
		Weber	43	63	4.5

TABLE NO. R301.2(5b)

RECOMMENDED SNOW LOADS FOR SELECTED UTAH CITIES AND TOWNS(2)

			Roof Snow Load (PSF)	Ground Snow Load (PSF)
	Beaver County			
	Beaver	5,920 ft.	43	62
	Box Elder County			
	Brigham City	4,300 ft.	30	43
	Tremonton	4,290 ft.	30	43
	Cache County			
	Logan	4,530 ft.	35	50
	Smithfield	4,595 ft.	35	50
	Carbon County			
	Price	5,550 ft.	30	43
	Daggett County			

		Manila	5,377 ft.	30	43
	Davis County				
		Bountiful	4,300 ft.	30	43
		Farmington	4,270 ft.	30	43
		Layton	4,400 ft.	30	43
		Fruit Heights	4,500 ft.	40	57
	Duchesne County				
		Duchesne	5,510 ft.	30	43
		Roosevelt	5,104 ft.	30	43
	Emery County				
		Castle Dale	5,660 ft.	30	43
		Green River	4,070 ft.	25	36
	Garfield County				
		Panguitch	6,600 ft.	30	43
	Grand County				
		Moab	3,965 ft.	25	36
	Iron County				
		Cedar City	5,831 ft.	30	43
	Juab County				
		Nephi	5,130 ft.	30	43
	Kane County				
		Kanab	5,000 ft.	25	36
	Millard County				
		Fillmore	5,000 ft.	30	43
		Delta	4,623 ft.	30	43
	Morgan County				
		Morgan	5,064 ft.	40	57
	Piute County				

141		Piute	5,996 ft.	30	43
142		Rich County			
143		Woodruff	6,315 ft.	40	57
144		Salt Lake County			
145		Murray	4,325 ft.	30	43
146		Salt Lake City	4,300 ft.	30	43
147		Sandy	4,500 ft.	30	43
148		West Jordan	4,375 ft.	30	43
149		West Valley	4,250 ft.	30	43
150		San Juan County			
151		Blanding	6,200 ft.	30	43
152		Monticello	6,820 ft.	35	50
153		Sanpete County			
154		Fairview	6,750 ft.	35	50
155		Mt. Pleasant	5,900 ft.	30	43
156		Manti	5,740 ft.	30	43
157		Ephraim	5,540 ft.	30	43
158		Gunnison	5,145 ft.	30	43
159		Sevier County			
160		Salina	5,130 ft.	30	43
161		Richfield	5,270 ft.	30	43
162		Summit County			
163		Coalville	5,600 ft.	60	86
164		Kamas	6,500 ft.	70	100
165		Park City	6,800 ft.	100	142
166		Park City	8,400 ft.	162	231
167		Summit Park	7,200 ft.	90	128
168		Tooele County			

	Tooele	5,100 ft.	30	43
Uintah County				
	Vernal	5,280 ft.	30	43
Utah County				
	American Fork	4,500 ft.	30	43
	Orem	4,650 ft.	30	43
	Pleasant Grove	5,000 ft.	30	43
	Provo	5,000 ft.	30	43
	Spanish Fork	4,720 ft.	30	43
Wasatch County				
	Heber	5,630 ft.	60	86
Washington County				
	Central	5,209 ft.	25	36
	Dameron	4,550 ft.	25	36
	Leeds	3,460 ft.	20	29
	Rockville	3,700 ft.	25	36
	Santa Clara	2,850 ft.	15 (1)	21
	St. George	2,750 ft.	15 (1)	21
Wayne County				
	Loa	7,080 ft.	30	43
	Hanksville	4,308 ft.	25	36
Weber County				
	North Ogden	4,500 ft.	40	57
	Ogden	4,350 ft.	30	43
NOTES				
(1) The IRC requires a minimum live load - See R301.6.				
(2) This table is informational only in that actual site elevations may vary. Table is only valid if site elevation is within 100 feet of the listed elevation."				

[~~(7)~~] (8) IRC, Section R301.6, is deleted and replaced with the following: "R301.6

Utah Snow Loads. The ground snow load, P_g, to be used in the determination of design snow loads for buildings and other structures shall be determined by using the following formula: $P_g = (P_o^2 + S^2(A-A_o)^2)^{0.5}$ for A greater than A_o, and $P_g = P_o$ for A less than or equal to A_o.

WHERE:

P_g = Ground snow load at a given elevation (psf);

P_o = Base ground snow load (psf) from Table No. R301.2(5a);

S = Change in ground snow load with elevation (psf/100 ft.) From Table No. R301.2(5a);

A = Elevation above sea level at the site (ft./1,000);

A_o = Base ground snow elevation from Table R301.2(5a) (ft./1,000).

The building official may round the roof snow load to the nearest 5 psf. The ground snow load, P_g, may be adjusted by the building official when a licensed engineer or architect submits data substantiating the adjustments. A record of such action together with the substantiating data shall be provided to the division for a permanent record.

The building official may also directly adopt roof snow loads in accordance with Table R301.2(5b), provided the site is no more than 100 ft. higher than the listed elevation.

Where the minimum roof live load in accordance with Table R301.6 is greater than the design roof snow load, such roof live load shall be used for design, however, it shall not be reduced to a load lower than the design roof snow load. Drifting need not be considered for roof snow loads less than 20 psf."

[~~(8)~~] (9) In IRC, Section R302.2, the words "Exception: A" are deleted and replaced with the following: "Exceptions: 1. A common 2-hour fire-resistance-rated wall is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. Electrical installation shall be installed in accordance with Chapters 34 through 43. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4.

2. In buildings equipped with an automatic residential fire sprinkler system, a".

[~~(9)~~] (10) In IRC, Section R302.2.4, a new exception 6 is added as follows: "6. Townhouses separated by a common 2-hour fire-resistance-rated wall as provided in Section R302.2."

[~~(10)~~] (11) IRC, Sections R311.7.4 through R311.7.4.3, are deleted and replaced with the following: "R311.7.4 Stair treads and risers. R311.7.4.1 Riser height. The maximum riser

height shall be 8 inches (203 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

R311.7.4.2 Tread depth. The minimum tread depth shall be 9 inches (228 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the greatest winder tread depth at the 12-inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm).

R311.7.4.3 Profile. The radius of curvature at the leading edge of the tread shall be no greater than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4 inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing projection shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm) between two stories, including the nosing at the level of floors and landings. Beveling of nosing shall not exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading edge of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical. Open risers are permitted, provided that the opening between treads does not permit the passage of a 4-inch diameter (102 mm) sphere.

Exceptions.

1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).

2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches (762 mm) or less."

[~~(11)~~] (12) In IRC, Section R312.2, the words "adjacent fixed seating" are deleted.

[~~(12)~~] (13) IRC, Section R313, is deleted.

[~~(13)~~] (14) IRC, Section R315.1, is deleted and replaced with the following: "R315.1 Carbon monoxide alarms. For new construction, a listed carbon monoxide alarm shall be installed on each habitable level of dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages."

[~~(14)~~] (15) IRC, Section R315.3, is deleted and replaced with the following: "R315.3 Alarm requirements. Listed single- and multiple-station carbon monoxide alarms shall comply with UL 2034 and shall be installed in accordance with the provision of this code and NFPA 720."

[~~(15)~~] (16) In IRC, Section R403.1.6, a new Exception 4 is added as follows: "4. When anchor bolt spacing does not exceed 32 inches (813 mm) apart, anchor bolts may be placed with a minimum of two bolts per plate section located not less than 4 inches (102 mm) from each end of each plate section at interior bearing walls, interior braced wall lines, and at all exterior walls."

[~~(16)~~] (17) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2 and Item 3 as follows: "Exception: When anchor bolt spacing does not exceed 32 inches (816 mm) apart, anchor bolts may be placed with a minimum of two bolts per plate section located not less than 4 inches (102 mm) from each end of each plate section at interior bearing walls, interior braced wall lines, and at all exterior walls."

[~~(17)~~] (18) In IRC, Section R404.1, a new exception is added as follows: "Exception: As an alternative to complying with Sections R404.1 through R404.1.5.3, concrete and masonry foundation walls may be designed in accordance with IBC Sections 1807.1.5 and 1807.1.6 as amended in Section 1807.1.6.4 and Table 1807.1.6.4 under these rules."