

2015 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st and 2nd PRINTINGS (This Errata Posted: April 22, 2022)

Chapter 3 BUILDING PLANNING

Replace entire table with the following:

**TABLE R301.2(2)
COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN
ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (ASD) (psf)^{a, b, c, d, e}**

	ZONE	EFFECTIVE WIND AREA (feet ²)	ULTIMATE DESIGN WIND SPEED, V_{ULT} (mph)																	
			110		115		120		130		140		150		160		170		180	
Roof 0 to 7 degrees	1	10	10.0	-13.1	10.0	-14.3	10.0	-15.5	10.0	-18.2	10.0	-21.2	9.9	-24.3	11.2	-27.7	12.6	-31.2	14.2	-35.0
	1	20	10.0	-12.7	10.0	-13.9	10.0	-15.1	10.0	-17.8	10.0	-20.6	9.2	-23.6	10.6	-26.9	11.9	-30.3	13.3	-34.1
	1	50	10.0	-12.3	10.0	-13.4	10.0	-14.6	10.0	-17.2	10.0	-19.9	8.5	-22.9	10.0	-26.0	10.8	-29.4	12.2	-32.9
	1	100	10.0	-11.9	10.0	-13.1	10.0	-14.2	10.0	-16.7	10.0	-19.4	7.8	-22.2	10.0	-25.3	10.0	-28.5	11.3	-32.0
	2	10	10.0	-21.9	10.0	-23.9	10.0	-26.1	10.0	-30.6	10.0	-35.5	9.9	-40.7	11.2	-46.4	12.6	-52.4	14.2	-58.7
	2	20	10.0	-19.6	10.0	-21.4	10.0	-23.3	10.0	-27.4	10.0	-31.7	9.2	-36.4	10.6	-41.4	11.9	-46.7	13.3	-52.4
	2	50	10.0	-16.5	10.0	-18.1	10.0	-19.6	10.0	-23.0	10.0	-26.7	8.5	-30.7	10.0	-34.9	10.8	-39.4	12.2	-44.1
	2	100	10.0	-14.2	10.0	-15.5	10.0	-16.9	10.0	-19.8	10.0	-22.9	7.8	-26.3	10.0	-30.0	10.0	-33.8	11.3	-37.9
	3	10	10.0	-33.0	10.0	-36.1	10.0	-39.2	10.0	-46.1	10.0	-53.4	9.9	-61.3	11.2	-69.8	12.6	-78.8	14.2	-88.3
	3	20	10.0	-27.3	10.0	-29.9	10.0	-32.5	10.0	-38.2	10.0	-44.3	9.2	-50.8	10.6	-57.8	11.9	-65.3	13.3	-73.1
	3	50	10.0	-19.9	10.0	-21.7	10.0	-23.6	10.0	-27.7	10.0	-32.1	8.5	-36.9	10.0	-41.9	10.8	-47.3	12.2	-53.1
	3	100	10.0	-14.2	10.0	-15.5	10.0	-16.9	10.0	-19.8	10.0	-22.9	7.8	-26.3	10.0	-30.0	10.0	-33.8	11.3	-37.9
Roof > 7 to 27 degrees	1	10	10.0	-11.9	10.0	-13.1	10.0	-14.2	10.5	-16.7	12.2	-19.4	14.0	-22.2	15.9	-25.3	17.9	-28.5	20.2	-32.0
	1	20	10.0	-11.6	10.0	-12.7	10.0	-13.8	10.0	-16.2	11.1	-18.8	12.8	-21.6	14.5	-24.6	16.4	-27.7	18.4	-31.1
	1	50	10.0	-11.2	10.0	-12.2	10.0	-13.3	10.0	-15.6	10.0	-18.1	11.1	-20.8	12.7	-23.6	14.3	-26.7	16.0	-29.9
	1	100	10.0	-10.9	10.0	-11.9	10.0	-12.9	10.0	-15.1	10.0	-17.6	9.9	-20.2	11.2	-22.9	12.6	-25.9	14.2	-29.0
	2	10	10.0	-20.8	10.0	-22.7	10.0	-24.8	10.5	-29.3	12.2	-33.7	14.0	-38.7	15.9	-44.4	17.9	-49.7	20.2	-55.8
	2	20	10.0	-19.1	10.0	-20.9	10.0	-22.8	10.0	-26.8	11.1	-31.0	12.8	-35.6	14.5	-40.5	16.4	-45.8	18.4	-51.2
	2	50	10.0	-16.9	10.0	-18.5	10.0	-20.2	10.0	-23.6	10.0	-27.4	11.1	-31.5	12.7	-35.8	14.3	-40.5	16.0	-45.4
	2	100	10.0	-15.3	10.0	-16.7	10.0	-18.2	10.0	-21.4	10.0	-24.7	9.9	-28.4	11.2	-32.3	12.6	-36.5	14.2	-40.9
	3	10	10.0	-30.8	10.0	-33.6	10.0	-36.6	10.5	-43.0	12.2	-49.9	14.0	-57.2	15.9	-65.1	17.9	-73.5	20.2	-82.4
	3	20	10.0	-28.7	10.0	-31.4	10.0	-34.3	10.0	-40.2	11.1	-46.6	12.8	-53.5	14.5	-60.8	16.4	-68.8	18.4	-77.0
	3	50	10.0	-26.1	10.0	-28.6	10.0	-31.1	10.0	-36.5	10.0	-42.3	11.1	-48.6	12.7	-55.3	14.3	-62.4	16.0	-69.9
	3	100	10.0	-24.1	10.0	-26.4	10.0	-28.7	10.0	-33.7	10.0	-39.1	9.9	-44.9	11.2	-51.1	12.6	-57.7	14.2	-64.6

continued

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(Portions of text and tables not shown are unaffected by the errata)

Roof > 27 to 45 degrees	1	10	11.9	-13.1	13.1	-14.3	14.2	-15.5	16.7	-18.2	19.4	-21.2	22.2	-24.3	25.3	-27.7	28.5	-31.2	32.0	-35.0	
	1	20	11.6	-12.4	12.7	-13.6	13.8	-14.8	16.2	-17.3	18.8	-20.1	21.6	-23.0	24.6	-26.9	27.7	-29.6	31.1	-33.2	
	1	50	11.2	-11.5	12.2	-12.6	13.3	-13.7	15.6	-16.1	18.1	-18.7	20.8	-21.4	23.6	-24.4	26.7	-27.5	29.9	-30.8	
	1	100	10.9	-10.9	11.9	-11.9	12.9	-12.9	15.1	-15.1	17.6	-17.6	20.2	-20.2	22.9	-22.9	25.9	-25.9	29.0	-29.0	
	2	10	11.9	-15.3	13.1	-16.7	14.2	-18.2	16.7	-21.4	19.4	-24.7	22.2	-28.4	25.3	-32.3	28.5	-36.5	32.0	-40.9	
	2	20	11.6	-14.6	12.7	-16.0	13.8	-17.4	16.2	-20.4	18.8	-23.6	21.6	-27.2	24.6	-30.9	27.7	-34.9	31.1	-39.1	
	2	50	11.2	-13.7	12.2	-15.0	13.3	-16.3	15.6	-19.2	18.1	-22.3	20.8	-25.5	23.6	-29.0	26.7	-32.8	29.9	-36.8	
	2	100	10.9	-13.1	11.9	-14.3	12.9	-15.5	15.1	-18.2	17.6	-21.2	20.2	-24.3	22.9	-27.7	25.9	-31.2	29.0	-35.0	
	3	10	11.9	-15.3	13.1	-16.7	14.2	-18.2	16.7	-21.4	19.4	-24.7	22.2	-28.4	25.3	-32.2	28.5	-36.5	32.0	-40.9	
	3	20	11.6	-14.6	12.7	-16.0	13.8	-17.4	16.2	-20.4	18.8	-23.6	21.6	-27.2	24.6	-30.9	27.7	-34.9	31.1	-39.1	
	3	50	11.2	-13.7	12.2	-15.0	13.3	-16.3	15.6	-19.2	18.1	-22.3	20.8	-25.5	23.6	-29.0	26.7	-32.8	29.9	-36.8	
	3	100	10.9	-13.1	11.9	-14.3	12.9	-15.5	15.1	-18.2	17.6	-21.2	20.2	-24.3	22.9	-27.7	25.9	-31.2	29.0	-35.0	
	Wall	4	10	13.1	-14.2	14.3	-15.5	15.5	-16.9	18.2	-19.8	21.2	-22.9	24.3	-26.3	27.7	-30.0	31.2	-33.8	35.0	-37.9
		4	20	12.5	-13.6	13.6	-14.8	14.8	-16.1	17.4	-19.0	20.2	-22.0	23.2	-25.3	26.4	-28.7	29.7	-32.4	33.4	-36.4
		4	50	11.7	-12.8	12.8	-14.0	13.9	-15.2	16.3	-17.8	19.0	-20.8	21.7	-23.8	24.7	-27.1	27.9	-30.6	31.3	-34.3
4		100	11.1	-12.2	12.1	-13.3	13.2	-14.5	15.5	-17.0	18.0	-19.8	20.6	-22.7	23.5	-25.9	26.5	-29.1	29.8	-32.7	
4		500	10.0	-10.9	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6	18.1	-20.2	20.6	-22.9	23.2	-25.9	26.1	-29.0	
5		10	13.1	-17.5	14.3	-19.1	15.5	-20.8	18.2	-24.4	21.2	-28.3	24.3	-32.5	27.7	-37.0	31.2	-41.8	35.0	-46.8	
5		20	12.5	-16.3	13.6	-17.8	14.8	-19.4	17.4	-22.8	20.2	-26.4	23.2	-30.3	26.4	-34.5	29.7	-39.0	33.4	-43.7	
5		50	11.7	-14.8	12.8	-16.1	13.9	-17.6	16.3	-20.6	19.0	-23.9	21.7	-27.4	24.7	-31.2	27.9	-35.3	31.3	-39.5	
5		100	11.1	-13.6	12.1	-14.8	13.2	-16.1	15.5	-19.0	18.0	-22.0	20.6	-25.3	23.5	-28.7	26.5	-32.4	29.8	-36.4	
5		500	10.0	-10.9	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6	18.1	-20.2	20.6	-22.9	23.2	-25.9	26.1	-29.0	

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m², 1 mile per hour = 0.447 m/s, 1 pound per square foot = 0.0479 kPa.

- The effective wind area shall be equal to the span length multiplied by an effective width. This width shall be permitted to be not less than one-third the span length. For cladding fasteners, the effective wind area shall not be greater than the area that is tributary to an individual fastener.
- For effective areas between those given, the load shall be interpolated or the load associated with the lower effective area shall be used.
- Table values shall be adjusted for height and exposure by multiplying by the adjustment coefficient in Table R301.2(3).
- See Figure R301.2(7) for location of zones.
- Plus and minus signs signify pressures acting toward and away from the building surfaces.

Correlation Notes: From monograph errata in 2013 code change cycle.

R324.2 Solar thermal systems.

Solar thermal systems shall be designed and installed in accordance with Chapter 23 and the *International Fire Code*.

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st, 2nd, 3rd and 4th PRINTINGS (This Errata Posted: January 21, 2022)

Chapter 3 BUILDING PLANNING

R317.2 Quality Mark

Lumber and plywood required to be pressure-preservative treated in accordance with Section ~~R318.4~~ R317.1 shall bear the quality mark of an approved inspection agency that maintains continuing supervision, testing and inspection over the quality of the product and that has been approved by an accreditation body that complies with the requirements of the American Lumber Standard Committee treated wood program

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st and 2nd PRINTING (This Errata Posted: April 19, 2019)

CHAPTER 3 BUILDING PLANNING

R322.2 Flood hazard areas (including A Zones). Areas that have been determined to be prone to flooding and that are not subject to high-velocity wave action shall be designated as flood hazard areas. Flood hazard areas that have been delineated as subject to wave heights between 1½ feet (457 mm) and 3 feet (914 mm) or otherwise designated by the jurisdiction shall be designated as Coastal A Zones and are subject to the requirements of Section R322.3. Buildings and structures constructed in whole or in part in flood hazard areas shall be designed and constructed in accordance with Sections R322.2.1 through ~~R322.2.3~~ R322.2.4.

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st and 2nd PRINTING (This Errata Posted: April 19, 2017)

CHAPTER 3 BUILDING PLANNING

Table R301.5 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS

Table is unchanged.

Notes a.- f. are unchanged

g. Uninhabitable *attics* with limited storage are those where the clear height between joists and rafters is ~~not greater than 42 inches or greater~~, or where there are two or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches in height by 24 inches in width, or greater, within the plane of the trusses. The live load.....

Note h. is unchanged.

R302.10.1 Insulation. Insulation materials.....

Exceptions:

1. *No change.*
2. Cellulosic fiber loose-fill insulation, which is not spray applied, complying with the requirements of Section R302.10.3, shall not be required to meet ~~the smoke developed index of not more than 450 and~~ a flame spread index requirement but shall be required to meet a smoke-developed index of not more than 450 when tested in accordance with CAN/ULC S102.2.

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st and 2nd PRINTING (This Errata Posted: October 5, 2016)

CHAPTER 3 BUILDING PLANNING

R308.4.2 Glazing adjacent to doors. Glazing in an individual fixed or operable panel adjacent to a door shall be considered to be a hazardous location where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) above the floor or walking surface and it meets either of the following conditions:

1. Where the glazing is within 24 inches (610 mm) of either side of the door in the plane of the door in a closed position.
2. Where the glazing is on a wall perpendicular to the plane of the door in a closed position and within 24 inches (610 mm) of the hinge side of an in-swinging door.

The indent for the following Exceptions group is moved to the left. The exceptions apply to the main section not just to Condition number 2 above:

Exceptions:

1. Decorative glazing.
2. Where there is an intervening wall or other permanent barrier between the door and the glazing.
3. Where access through the door is to a closet or storage area 3 feet (914 mm) or less in depth.
Glazing in this application shall comply with Section R308.4.3.
4. Glazing that is adjacent to the fixed panel of

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(Portions of text and tables not shown are unaffected by the errata)

1st PRINTING (October 30, 2014) (Updated September 29, 2016)

R322.2.1 Elevation requirements.

1. Buildings and structures in flood hazard areas, including flood hazard areas designated as Coastal A Zones, shall have the lowest floors elevated to or above the base flood elevation plus 1 foot (305 mm), or the design flood elevation, whichever is higher.

2. In areas of shallow flooding (AO Zones), buildings and structures shall have the lowest floor (including *basement*) elevated to a height above the highest adjacent *grade* of not less than the depth specified in feet (mm) on the FIRM plus 1 foot (305 mm), or not less than 3 feet (915 mm) if a depth number.....

R324.3 Photovoltaic systems. Photovoltaic systems shall be designed and installed in accordance with Sections R324.3.1 through R324.7.2.5 R324.6.1 and NFPA 70. Inverters shall be *listed* and *labeled* in accordance with UL 1741. Systems connected to the utility grid shall use inverters listed for utility interaction.

Sections R324.7 through R324.7.2.5 are deleted as follows:

R324.7 Access and pathways. Roof access, pathways and spacing requirements shall be provided in accordance with Sections R324.7.1 through R324.7.2.5.

Exceptions:

~~1. Detached garages and accessory structures to one and two-family *dwelling*s and *townhouse*s, such as parking shade structures, carports, solar trellises and similar structures.~~

~~2. Roof access, pathways and spacing requirements need not be provided where an alternative ventilation method *approved* by the code official has been provided or where the code official has determined that vertical ventilation techniques will not be employed.~~

~~**R324.7.1 Roof access points.** Roof access points shall be located in areas that do not require the placement of ground ladders over openings such as windows or doors, and located at strong points of building construction in locations where the access point does not conflict with overhead obstructions such as tree limbs, wires or signs.~~

~~**R324.7.2 Solar photovoltaic systems.** Solar photovoltaic systems shall comply with Sections R324.7.2.1 through R324.7.2.5.~~

~~**R324.7.2.1 Size of solar photovoltaic array.** Each photovoltaic array shall be limited to 150 feet by 150 feet (45 720 by 45 720 mm). Multiple arrays shall be separated by a clear access pathway not less than 3 feet (914 mm) in width.~~

~~**R324.7.2.2 Hip roof layouts.** Panels and modules installed on *dwelling*s with hip roof layouts shall be located in a manner that provides a clear access pathway not less than 3 feet (914 mm) in width from the eave to the ridge on each roof slope where panels and modules are located. The access pathway shall be located at a structurally strong location on the building capable of supporting the live load of fire fighters accessing the roof.~~

~~**Exception:** These requirements shall not apply to roofs with slopes of 2 units vertical in 12 units horizontal (16.6 percent) and less.~~

~~**R324.7.2.3 Single ridge roofs.** Panels and modules installed on *dwelling*s with a single ridge shall be located in a manner that provides two, 3-foot-wide (914 mm) access pathways from the eave to the ridge on each roof slope where panels or modules are located.~~

~~**Exception:** This requirement shall not apply to roofs with slopes of 2 units vertical in 12 units horizontal (16.6 percent) and less.~~

~~**R324.7.2.4 Roofs with hips and valleys.** Panels and modules installed on *dwelling*s with roof hips or valleys shall not be located less than 18 inches (457 mm) from a hip or valley where panels or modules are to be placed on both sides of a hip or valley. Where panels are to be located on one side only of a hip or valley that is of equal length, the 18-inch (457 mm) clearance does not apply.~~

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(Portions of text and tables not shown are unaffected by the errata)

Exception: ~~These requirements shall not apply to roofs with slopes of 2 units vertical in 12 units horizontal (16.6 percent) and less.~~

R324.7.2.5 Allowance for smoke ventilation operations. ~~Panels and modules installed on dwellings shall not be located less than 3 feet (914 mm) below the roof ridge to allow for fire department smoke ventilation operations.~~

Exception: ~~Where an alternative ventilation method approved by the code official has been provided or where the code official has determined that vertical ventilation techniques will not be employed, clearance from the roof ridge is not required.~~

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st and 2nd PRINTING (This Errata Posted: September 13, 2016)

CHAPTER 3
BUILDING PLANNING

R324.4 Roof top-mounted photovoltaic systems. Rooftop-mounted.....Section ~~R907~~ R909.

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st and 2nd PRINTING (This Errata Posted: May 25, 2016)

CHAPTER 3 BUILDING PLANNING

TABLE R301.2.1.2 WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS^{a, b, c, d}

- a. This table is based on 180 mph ultimate design wind speeds, V_{ult} , and a ~~45~~ ~~33~~ foot *mean roof height*.

(Portions of table and footnotes not shown remain unchanged)

R322.2.2 Enclosed area below design flood elevation. Enclosed areas, including....shall:

1. Be used....

2. Be provided....

2.1. The total net area of non-engineered openings shall be not less than 1 square inch (645 mm²) for each square foot (0.093 m²) of enclosed area where the enclosed area is measured on the exterior of the enclosure walls, or the openings shall be designed as engineered openings and the *construction documents* shall include a statement by a registered *design professional* that the design of the openings will provide for equalization of hydrostatic flood forces on *exterior walls* by allowing for the automatic entry and exit of floodwaters as specified in Section ~~2.6.2.2~~ 2.7.2.2 of ASCE 24.

2.2 Openings shall.....

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(Portions of text and tables not shown are unaffected by the errata)

Applicable to the 1st PRINTING (This Errata Posted: December 15, 2015)

Chapter 3 BUILDING PLANNING

FIGURE R301.2(5)

(map unchanged)

For SI: 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa. 1 mile = 1.61 km.

- a. In CS areas, site-specific Case Studies are required to establish ground snow loads. Extreme local variations in ground snow loads in these areas preclude mapping at this scale.
- b. Numbers in parentheses represent the upper elevation limits in feet for the ground snow load values presented below. Site-specific case studies are required to establish ground snow loads at elevations not covered.

FIGURE R301.2(5) GROUND SNOW LOADS, P_g , FOR THE UNITED STATES (lb/ft²)

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(Portions of text and tables not shown are unaffected by the errata)

1st PRINTING (THIS ERRATA POSTED: June 10, 2015)

CHAPTER 3 BUILDING PLANNING

R310.2.5 Replacement windows. Replacement windows installed in buildings meeting the scope of this code shall be exempt from the maximum sill height requirements of Sections R310.1 and Sections R310.2.1 and R310.2.2, provided the replacement window meets the following conditions:

1. The replacement window is the manufacturer's largest standard size window that will fit within the existing frame or existing rough opening. The replacement window is of the same operating style as the existing window or a style that provides for an equal or greater window opening area than the existing window.
2. The replacement window is not part of a change of occupancy.

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(Portions of text and tables not shown are unaffected by the errata)

1st PRINTING (POSTED: February 12, 2015)

CHAPTER 3 BUILDING PLANNING

DELETE SECTION 303.7.1 in its entirety:

~~**R303.7.1 Light activation.** Where lighting outlets are installed in interior stairways, there shall be a wall switch at each floor level to control the lighting outlet where the stairway has six or more risers. The illumination of exterior stairways shall be controlled from inside the *dwelling* unit.~~

~~**Exception:** Lights that are continuously illuminated or automatically controlled.~~

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(Portions of text and tables not shown are unaffected by the errata)

1st PRINTING (November 19, 2014)

CHAPTER 3 BUILDING PLANNING

R322.3.4 Walls below design flood elevation. Walls and partitions are permitted below the elevated floor, provided that such walls and partitions are not part of the structural support of the building or structure and:

1. – 5.

~~6. In Coastal A Zones, walls shall be provided with flood openings that meet the criteria of Section R322.2.2.~~

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(Portions of text and tables not shown are unaffected by the errata)

1st PRINTING (July 14, 2014)

CHAPTER 3 BUILDING PLANNING

R325.5 Openness. Mezzanines shall be open and unobstructed to the room in which they are located except for walls not more than 42 ~~36~~ inches (1067 mm) in height, columns and posts.

Exceptions:

1. Mezzanines or portions thereof are not required to be open to the room in which they are located, provided that the aggregate floor area of the enclosed space is not greater than 10 percent of the mezzanine area.
2. In buildings that are not more than two stories above *grade plane* and equipped throughout with an automatic sprinkler system in accordance with Section R313, NFPA 13R or NFPA 13D, a mezzanine ~~having two or more means of egress~~ shall not be required to be open to the room in which the mezzanine is located.

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(Portions of text and tables not shown are unaffected by the errata)

1ST PRINTING (June 17, 2014)

CHAPTER 3 BUILDING PLANNING

R303.9 Required glazed openings. Required glazed openings shall open directly onto a street or public alley, or a *yard* or court located on the same *lot* as the building.

Exceptions:

1. Required glazed openings that face into a roofed porch where the porch abuts a street, *yard* or court and the longer side of the porch is not less than 65 percent unobstructed and the ceiling height is not less than 7 feet (2134 mm).
2. Eave projections shall not be considered as obstructing the clear open space of a *yard* or court.
3. Required glazed openings that face into the area under a deck, balcony, bay or floor cantilever where a clear vertical space not less than 36 inches (914 mm) in height is provided.

R303.9.1 ~~R303.8.1~~ Sunroom additions. Required.....

R303.10 ~~R303.9~~ Required heating. Where.....

R322.2.1 Elevation requirements.

1. Buildings and structures in flood hazard areas, including flood hazard areas designated as Coastal A Zones, shall have the lowest floors elevated to or above the base flood elevation plus 1 foot (305 mm), or the design flood elevation, whichever is higher.

2. In areas of shallow flooding (AO Zones), buildings and structures shall have the lowest floor (including *basement*) elevated to a height of ~~not less than~~ above the highest adjacent *grade* as of not less than the depth.....

R322.2.2 Enclosed area below design flood elevation. Enclosed areas, including....shall:

1. Be used....

2. Be provided....

2.1. The total net area of non-engineered openings shall be not less than 1 square inch (645 mm²) for each square foot (0.093 m²) of enclosed area where the enclosed area is measured on the exterior of the enclosure walls, or the openings shall be designed as engineered openings and the *construction documents* shall include a statement by a registered *design professional* that the design of the openings will provide for equalization of hydrostatic flood forces on *exterior walls* by allowing for the automatic entry and exit of floodwaters as specified in Section ~~2.6.2.2~~ 2.7.2.2 of ASCE 24.

2.2 Openings shall.....

2.3. The presence of louvers, blades, screens and faceplates or other covers and devices shall allow the automatic flow of floodwater into and out of the enclosed areas and shall be accounted for in the determination of the net open area.

R322.2.2.1 Installation of openings. The walls of

1. There shall be not less than two openings on different sides of each enclosed area; if a building has more than one enclosed area below the design flood elevation, each area shall have openings ~~on exterior walls.~~

R322.3.2 Elevation requirements.

1. Buildings and structures erected within coastal high hazard areas and Coastal A Zones, shall be elevated so that the bottom of the lowest ~~portion of~~ horizontal.....

2015 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

R322.3.4 Walls below design flood elevation. Walls and partitions....

1. Electrical...
2. Are constructed....
3. Are designed ...
4. Where wind loading values of this code exceed 20 pounds per square foot (958 Pa), as determined using allowable stress design, the *construction documents*.....