

**FBC 2004
RESIDENTIAL
PRE-CONSTRUCTION
WORKSHOP
8.29.05**



R101.2

Scope.

- The provisions of the *Florida Building Code, Residential* shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height with a separate means of egress and their accessory structures. Construction standards or practices which are not covered by this code shall be in accordance with the provisions of *Florida Building Code, Building*.
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Exception:

- Existing buildings undergoing repair, alteration or additions, and change of occupancy shall comply with the *Florida Existing Building Code*.
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SECTION 110

CERTIFICATE OF OCCUPANCY

- **110.2 Certificate issued.**
 - After the building official inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the department of building safety, the building official shall issue a certificate of occupancy that contains the following:
-



110.2

Certificate issued.

- ❑ The building permit number.
 - ❑ The address of the structure.
 - ❑ The name and address of the owner.
 - ❑ A description of that portion of the structure for which the certificate is issued.
 - ❑ A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.
-



110.2

Certificate issued.

- ❑ The name of the building official.
 - ❑ The edition of the code under which the permit was issued.
 - ❑ The use and occupancy, in accordance with the provisions of Chapter [3](#).
 - ❑ The type of construction as defined in Chapter [6](#).
 - ❑ The design occupant load.
 - ❑ If an automatic sprinkler system is provided, whether the sprinkler system is required.
 - ❑ Any special stipulations and conditions of the building permit.
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SECTION 114

STOP WORK ORDER

- **114.1 Authority.**
 - Whenever the building official finds any work regulated by this code being performed in a manner either contrary to the provisions of this code or dangerous or unsafe, the building official is authorized to issue a stop work order.
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SECTION R201 GENERAL

- **R201.4 Terms not defined.**
 - Where terms are not defined through the methods authorized by this section, such terms shall have the meanings as defined in *Webster's Third New International Dictionary of the English Language Unabridged*
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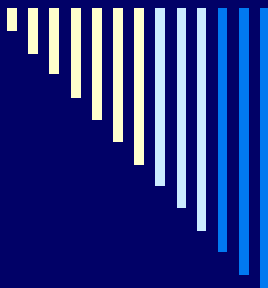
MANUFACTURED HOME (Mobile Home)

- Any residential unit, constructed to standards promulgated by the United States Department of Housing and Urban Development (HUD), away from the installation site, and which bears the HUD label.
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MODULAR HOME

- Any residential unit, constructed to standards promulgated by the Florida Building Commission, away from the installation site, and which bears a Department of Community Affairs Insignia.
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CHAPTER 3

BUILDING PLANNING

- **SECTION R301
DESIGN CRITERIA**
 - **R301.1 Design.**
 - Buildings and structures, and all parts thereof, shall be constructed to safely support all loads, including dead loads, live loads, roof loads, flood loads and wind loads as prescribed by this code. The construction of buildings and structures shall result in a system that provides a complete load path capable of transferring all loads from their point of origin through the load-resisting elements to the foundation.
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Exception :

- Buildings and structures located within the High-Velocity Hurricane Zone shall comply only with Sections [R302](#) to [R324](#), inclusive and the provisions of Chapter [44](#).
-



R301.1.1

Alternative provisions.

- As an alternative to the requirements in Section [R301.1](#) the following standards are permitted subject to the limitations of this code and the limitations there in. Where engineered design is used in conjunction with these standards the design shall comply with the *Florida Building Code, Building* .
-



R301.1.1

Alternative provisions.

1. American Forest and Paper Association (AF&PA) *Wood Frame Construction Manual* (WFCM).
 2. American Iron and Steel Institute (AISI), *Standard for Cold-Formed Steel Framing Prescriptive Method for One- and Two-Family Dwellings* (COFS/PM).
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R301.1.3

Engineered design.

- When a building of otherwise conventional construction contains structural elements exceeding the limits of Section [R301](#) or otherwise, not conforming to this code, these elements shall be designed in accordance with accepted engineering practice.
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R301.2.1.1 Design criteria.

- Construction in regions where the basic wind speeds from Figure [R301.2\(4\)](#) equal or exceed 100 miles per hour (177.1 km/h) shall be designed in accordance with one of the following:
 1. American Forest and Paper Association (AF&PA) *Wood Frame Construction Manual for One- and Two-Family Dwellings* (WFCM)
-



R301.2.1.1

Design criteria.

2. *Minimum Design Loads for Buildings and Other Structures (ASCE-7)*
 3. American Iron and Steel Institute (AISI), *Standard for Cold-Formed Steel Framing—Prescriptive Method for One- and Two-family Dwellings (COFS/PM)*
 4. Concrete construction shall be designed in accordance with the provisions of this code.
-



R301.2.1.1

Design criteria.

5. *SBCCI SSTD 10* shall be permitted for buildings for a basic wind speed of 130 mph (58 m/s) or less in Exposure B and 110 mph (49 m/s) or less in Exposure C in accordance with Figure [R301.2\(4\)](#)
 6. *The FC&PA Guide to Concrete Masonry Residential Construction in High Wind Areas* shall be permitted for applicable concrete masonry buildings for a basic wind speed of 130 mph (58 m/s) or less in Exposure B and 110 mph (49 m/s) or less in Exposure C in accordance with Figure [R301.2\(4\)](#) ; or
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R301.2.1.1 Design criteria.

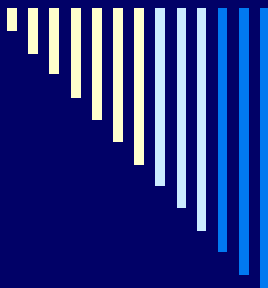
7. *The WPPC Guide to Wood Construction in High Wind Areas* shall be permitted for applicable wood-frame buildings for a basic wind speed of 130 mph (58 m/s) or less in Exposure B and 110 mph (49 m/s) or less in Exposure C in accordance with Figure [R301.2\(4\)](#).
-



R301.2.1.5

Basic wind speed.

- The basic wind speed in miles per hour, for the development of windloads, shall be determined from Figure [R301.2\(4\)](#). Basic wind speed for the special wind regions indicated, near mountainous terrain and near gorges shall be in accordance with local jurisdiction requirements. The exact location of wind speed lines shall be established by local ordinance using recognized physical landmarks such as major roads, canals, rivers and lake shores wherever possible.
-



R302.1

Exterior walls.

- Exterior walls separated by less than 6 feet (1828 mm) shall have not less than a one-hour fire-resistive rating with exposure from both sides. Projections shall not extend to a point closer than 4 feet (1220 mm) from an adjacent projection or wall.
-



Exception :

- Detached garages accessory to a dwelling located within 2 feet (610 mm) of a lot line shall be permitted to have roof eave projections not exceeding 4 inches (102 mm).
-



R302.1

Exterior walls.

- Projections extending into the 6-foot (1829 mm) separation distance shall have not less than 1-hour fire-resistive construction on the underside. The above provisions shall not apply to walls which are perpendicular to a line extending from the point from which the separation distance has been measured running and parallel to the property line.
-



Exception:

- Tool and storage sheds, playhouses and similar structures are not required to provide wall protection based on location on the lot.
-



SECTION R303

LIGHT, VENTILATION AND HEATING

- **R303.6 Stairway illumination.**
 - All interior and exterior stairways shall be provided with a means to illuminate the stairs, including the landings and treads.
 - Interior stairways shall be provided with an artificial light source located in the immediate vicinity of each landing of the stairway. For interior stairs the artificial light sources shall be capable of illuminating treads and landings to levels not less than 1 footcandle (11 lux) measured at the center of treads and landings.
 - Exterior stairways shall be provided with an artificial light source located in the immediate vicinity of the top landing of the stairway. Exterior stairways providing access to a basement from the outside grade level shall be provided with an artificial light source located in the immediate vicinity of the bottom landing of the stairway.
-



Exception:

- An artificial light source is not required at the top and bottom landing, provided an artificial light source is located directly over each stairway section.
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R303.8

Required heating.

- When the winter design temperature in Table [R301.2\(1\)](#) is below 60°F (16°C), every dwelling unit shall be provided with heating facilities capable of maintaining a minimum room temperature of 68°F (20°C) at a point 3 feet (914 mm) above the floor and 2 feet (610 mm) from exterior walls in all habitable rooms at the design temperature. The installation of one or more portable space heaters shall not be used to achieve compliance with this section
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SECTION R305 CEILING HEIGHT

- **R305.1 Minimum height.**
 - Habitable rooms, hallways, corridors, bathrooms, toilet rooms, laundry rooms and basements shall have a ceiling height of not less than 7 feet (2134 mm). The required height shall be measured from the finish floor to the lowest projection from the ceiling.
-



Exceptions:

1. Beams and girders spaced not less than 4 feet (1219 mm) on center may project not more than 6 inches (152 mm) below the required ceiling height.
 2. Ceilings in basements without habitable spaces may project to within 6 feet, 8 inches (2032 mm) of the finished floor; and beams, girders, ducts or other obstructions may project to within 6 feet, 4 inches (1931 mm) of the finished floor.
-



Exceptions:

3. Not more than 50 percent of the required floor area of a room or space is permitted to have a sloped ceiling less than 7 feet (2134 mm) in height with no portion of the required floor area less than 5 feet (1524 mm) in height.
-



Exceptions:

4. Bathrooms shall have a minimum ceiling height of 6 feet 8 inches (2036 mm) over the fixture and at the front clearance area for fixtures as shown in Figure [R307.2](#). A shower or tub equipped with a showerhead shall have a minimum ceiling height of 6 feet 8 inches (2036 mm) above a minimum area 30 inches (762 mm) by 30 inches (762 mm) at the showerhead.
-



SECTION R306

SANITATION

- **R307.2 Bathtub and shower spaces.**
 - Bathtub and shower floors and walls above bathtubs with installed shower heads and in shower compartments shall be finished with a nonabsorbent surface. Such wall surfaces shall extend to a height of not less than 6 feet (1829 mm) above the floor.
-



R307.2

Bathtub and shower spaces.

- Bathtub and shower floors and walls above bathtubs with installed shower heads and in shower compartments shall be finished with a nonabsorbent surface. Such wall surfaces shall extend to a height of not less than 6 feet (1829 mm) above the floor.
-



R308.4

Hazardous locations.

- The following shall be considered specific hazardous locations for the purposes of glazing:
 8. All glazing in railings regardless of an area or height above a walking surface. Included are structural baluster panels and nonstructural in-fill panels
-



R308.4

Hazardous locations.

10. Glazing adjacent to stairways, landings and ramps within 36 inches (914 mm) horizontally of a walking surface when the exposed surface of the glass is less than 60 inches (1524 mm) above the plane of the adjacent walking surface.
 11. Glazing adjacent to stairways within 60 inches (1524 mm) horizontally of the bottom tread of a stairway in any direction when the exposed surface of the glass is less than 60 inches (1524 mm) above the nose of the tread.
-



R308.6.8

Curbs for skylights.

- All unit skylights installed in a roof with a pitch flatter than three units vertical in 12 units horizontal (25-percent slope) shall be mounted on a curb extending at least 4 inches (102 mm) above the plane of the roof unless otherwise specified in the manufacturer's installation instructions.
-



SECTION R309

GARAGES AND CARPORTS

- **R309.1 Opening protection.**
 - Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3 / 8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3 / 8 inches (35 mm) thick, or 20-minute fire-rated doors.
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R309.1.1

Duct penetration.

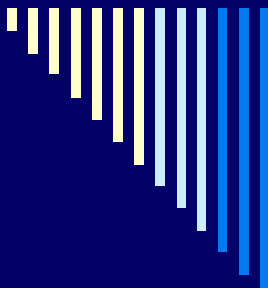
- Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.
-



R309.2

Separation required.

- The garage shall be separated from the residence and its attic area by not less than ½ - inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5 / 8 -inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.
-



R309.3

Floor surface.

- Garage floor surfaces shall be of approved noncombustible material. The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain or toward the main vehicle entry doorway.
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R309.6

Automatic garage door openers

- Automatic garage door openers, if provided, shall be listed in accordance with UL 325.
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SECTION R310 EMERGENCY ESCAPE AND RESCUE OPENINGS

- R310.1.1 Minimum opening area.**
 - All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m²).**
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Exception:

- Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m²).
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R310.1.2

Minimum opening height.

- The minimum net clear opening height shall be 24 inches (610 mm).
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R310.1.3

Minimum opening width.

- The minimum net clear opening width shall be 20 inches (508 mm).
-



SECTION R311

MEANS OF EGRESS

- **R311.2.2 Under stair protection.**
 - Enclosed accessible space under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with ½ -inch (12.7 mm) gypsum board.
-



R311.3

Hallways.

- The minimum width of a hallway shall be not less than 3 feet (914 mm).
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R311.4.2

Door type and size.

- The required exit door shall be a side-hinged door not less than 3 feet (914 mm) in width and 6 feet 8 inches (2032 mm) in height. Other doors shall not be required to comply with these minimum dimensions.
-



R311.4.3

Landings at doors.

- There shall be a floor or landing on each side of each exterior door.

Exception:

Where a stairway of two or fewer risers is located on the exterior side of a door, other than the required exit door, a landing is not required for the exterior side of the door.



R311.4.3

Landings at doors.

- The floor or landing at the exit door required by Section [R311.4.1](#) shall not be more than 1.5 inches (38 mm) lower than the top of the threshold. The floor or landing at exterior doors other than the exit door required by Section [R311.4.1](#) shall not be required to comply with this requirement but shall have a rise no greater than that permitted in Section [R311.5.3](#).
-



Exception:

- The landing at an exterior doorway shall not be more than $7\frac{3}{4}$ inches (196 mm) below the top of the threshold, provided the door, other than an exterior storm or screen door does not swing over the landing.
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R311.4.3

Landings at doors.

- The width of each landing shall not be less than the door served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.
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R311.4.4

Type of lock or latch.

- All egress doors shall be readily openable from the side from which egress is to be made without the use of a key or special knowledge or effort.
-



R311.5

Stairways.

- **R311.5.1 Width.**
 - Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides.
-



Exception:

- The width of spiral stairways shall be in accordance with Section [R311.5.8](#).
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R311.5.2 Headroom.

- The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing or from the floor surface of the landing or platform.
-



R311.5.3

Stair treads and risers.

- R311.5.3.1 Riser height.
 - The maximum riser height shall be $7\frac{3}{4}$ inches (196 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).
-



R311.5.3.2

Tread depth.

- The minimum tread depth shall be 10 inches (254 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).



R311.5.3.3 Profile.

- Open risers are permitted, provided that the opening between treads does not permit the passage of a 4-inch diameter (102 mm) sphere.
-



R311.5.4

Landings for stairways.

- There shall be a floor or landing at the top and bottom of each stairway.
 - **Exception:** A floor or landing is not required at the top of an interior flight of stairs, provided a door does not swing over the stairs.
-



R311.5.4

Landings for stairways.

- A flight of stairs shall not have a vertical rise greater than 12 feet (3658 mm) between floor levels or landings.
 - The width of each landing shall not be less than the stairway served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.
-



R311.5.5

Stairway walking surface.

- The walking surface of treads and landings of stairways shall be sloped no steeper than one unit vertical in 48 inches horizontal (2-percent slope).
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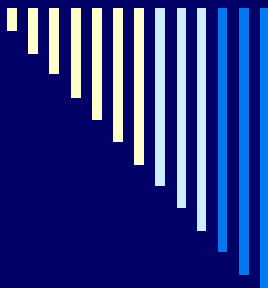
R311.5.6 Handrails.

- Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.
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R311.5.6.1 Height.

- Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).
-



R311.5.6.2 Continuity.

- Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1½ inch (38 mm) between the wall and the handrails.
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Exceptions:

1. Handrails shall be permitted to be interrupted by a newel post at the turn.
 2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.
-



R311.5.6.3

Handrail grip size.

- All required handrails shall be of one of the following types or provide equivalent graspability.
 - 1. Type I. Handrails with a circular cross section shall have an outside diameter of at least $1\frac{1}{4}$ inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than $6\frac{1}{4}$ inches (160 mm) with a maximum cross section of dimension of $2\frac{1}{4}$ inches (57 mm).
-



R311.5.6.3

Handrail grip size.

2. Type II. Handrails with a perimeter greater than $6 \frac{1}{4}$ inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of $\frac{3}{4}$ inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least $\frac{5}{16}$ inch (8 mm) within $\frac{7}{8}$ inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least $\frac{3}{8}$ inch (10 mm) to a level that is not less than $1 \frac{3}{4}$ inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be $1 \frac{1}{4}$ inches (32 mm) to a maximum of $2 \frac{3}{4}$ inches (70 mm). Edges shall have a minimum radius of 0.01 inches (0.25 mm).
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R311.5.7 Illumination.

- All stairs shall be provided with illumination in accordance with Section [R303.6](#).
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SECTION R312

GUARDS

- **R312.1 Guards required.**
 - Porches, balconies or raised floor surfaces located more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 36 inches (914 mm) in height. Open sides of stairs with a total rise of more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 34 inches (864 mm) in height measured vertically from the nosing of the treads.
-



R312.1

Guards required.

- Porches and decks which are enclosed with insect screening shall be provided with guards where the walking surface is located more than 30 inches (762 mm) above the floor or grade below.
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R312.2

Guard opening limitations.

- Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 inches (102mm) or more in diameter.
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Exceptions:

1. The triangular openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6 inches (152 mm) cannot pass through.
 2. Openings for required guards on the sides of stair treads shall not allow a sphere $4 \frac{3}{8}$ inches (107 mm) to pass through.
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SECTION R313 SMOKE ALARMS

- **R313.1 Smoke alarms.**
 - Smoke alarms shall be installed in the following locations:
 1. In each sleeping room.
 2. Outside each separate sleeping area in the immediate vicinity of the bedrooms
-



R313.1 Smoke alarms.

Smoke alarms shall be installed in the following locations:

3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.
-



R313.1 Smoke alarms.

Smoke alarms shall be installed in the following locations:

- When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.
 - All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.
-



SECTION R316 INSULATION

- **R316.1 Insulation.**
 - Insulation materials, including facings, such as vapor retarders or vapor permeable membranes installed within floor-ceiling assemblies, roof-ceiling assemblies, wall assemblies, crawl spaces and attics shall have a flame-spread index not to exceed 25 with an accompanying smoke-developed index not to exceed 450 when tested in accordance with ASTM E 84.
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SECTION R317

DWELLING UNIT SEPARATION

- ❑ **R317.1 Two-family dwellings.**
 - ❑ Dwelling units in two-family dwellings shall be separated from each other by wall and/or floor assemblies having not less than 1-hour fire-resistance rating when tested in accordance with ASTM E 119. Fire-resistance-rated floor-ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend to the underside of the roof sheathing.
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SECTION R319

PROTECTION AGAINST DECAY

- ❑ **R319.1 Location required.**
 - ❑ In areas subject to decay damage as established by Table [R301.2\(1\)](#), the following locations shall require the use of an approved species and grade of lumber, pressure treated in accordance with AWPA C1, C2, C3, C4, C9, C15, C18, C22, C23, C24, C28, C31, C33, P1, P2 and P3, or decay-resistant heartwood of redwood, black locust, or cedars.
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R319.1

Location Required.

1. Wood joists or the bottom of a wood structural floor when closer than 18 inches (457 mm) or wood girders when closer than 12 inches (305 mm) to the exposed ground in crawl spaces or unexcavated area located within the periphery of the building foundation.
-



R319.1

Location Required.

2. All wood framing members that rest on concrete or masonry exterior foundation walls and are less than 8 inches (203 mm) from the exposed ground.
 3. Sills and sleepers on a concrete or masonry slab that is in direct contact with the ground unless separated from such slab by an impervious moisture barrier.
-



R319.1

Location Required.

4. The ends of wood girders entering exterior masonry or concrete walls having clearances of less than 0.5 inch (12.7 mm) on tops, sides and ends.
 5. Wood siding, sheathing and wall framing on the exterior of a building having a clearance of less than 6 inches (152 mm) from the ground.
-



R319.1

Location Required.

6. Wood structural members supporting moisture-permeable floors or roofs that are exposed to the weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier.
 7. Wood furring strips or other wood framing members attached directly to the interior of exterior masonry walls or concrete walls below grade except where an approved vapor retarder is applied between the wall and the furring strips or framing members
-



R319.3 Fasteners.

- Fasteners for pressure preservative and fire-retardant-treated wood shall be of hot-dipped galvanized steel, stainless steel, silicon bronze or copper.
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SECTION R321 SITE ADDRESS

- **R321.1 Premises identification.**
 - Approved numbers or addresses shall be provided for all new buildings in such a position as to be plainly visible and legible from the street or road fronting the property
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SECTION R322

ACCESSIBILITY

- **R322.1.1**
 - All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).
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SECTION R324 FIRE PROTECTION

- R324.1 Sprinkler system requirements for buildings three stories or more in height.**
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