

2023 Oregon Residential Specialty Code Issued Errata



The following is errata for the published 2023 Oregon Residential Specialty Code (ORSC), which is based on the 2021 International Residential Code (IRC).

The division issues errata for an adopted specialty code when there was a mistake in the printing of the integrated codebook, or a referenced section needs to be corrected in alignment with another section or code.

Changes are denoted as follows:

Blue/underline: added language to printed 2023 ORSC

~~Red/strikethrough~~: deleted language from printed 2023 ORSC

Chapter 3 Building Planning

Table R301.2

TABLE R301.2
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA^{f, g}

COUNTY	GROUND SNOW LOAD, p_g	BASIC DESIGN WIND SPEED, V (mph) ^b	SPECIAL WIND REGION BASIC DESIGN WIND SPEED, V (mph) ^b	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE			AIR FREEZING INDEX
Benton	Note a	96	<u>120</u>	Note c	Moderate	12	Moderate	≤ 1,500
Yamhill	Note a	97	<u>120</u>	Note c	Moderate	12	Moderate	≤ 1,500

Section R301.2.2.6 Reference to Items 1 through 8 is replaced with Items 1 through 7.

Section R324.4.1 Exception 1.3

1.3. Existing supporting roof framing is *conventional light-frame construction* with preengineered trusses or rafters spaced at not ~~less~~ more than 24 inches (610 mm) on center.

Section R324.7.4 **R324.7.4 Electrical service reserved space.** The main electrical service panel, or other *approved* electrical panel that would serve the solar photovoltaic system, shall have a reserved space to allow installation of a dual-pole circuit breaker for future solar electric ~~and a dual pole circuit breaker for future~~ installation. ~~These spaces~~ and shall be labeled “RESERVED FOR FUTURE SOLAR.”

Chapter 6 Wall Construction

Table R602.3(1)

TABLE R602.3(1)
FASTENING SCHEDULE

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING OF FASTENERS	
			Edges ^b (inches)	Intermediate supports ^{c, e} (inches)
Roof				
30	Bridging or blocking to joist, rafter or truss	2-10d box (3" × 0.128"); or 2-8d common (2½" × 0.131"); or <u>2-3" × 0.131" nails</u>	Each end, toe nail	

**TABLE R602.3(1)
FASTENING SCHEDULE**

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING OF FASTENERS	
			Edges ^b (inches)	Intermediate supports ^{c, e} (inches)
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing [see Table R602.3(3) for wood structural panel exterior wall sheathing to wall framing]				
31	$\frac{3}{8}'' - \frac{1}{2}''$	6d common or deformed (2" × 0.113" × 0.266" head); or 2 $\frac{3}{8}''$ × 0.113" × 0.266" head nail (subfloor, wall) ⁱ	6	6^f 12
		8d common (2 $\frac{1}{2}''$ × 0.131") nail (roof); or RSRS-01 (2 $\frac{3}{8}''$ × 0.113") nail (roof) ^b	6	6 ^f
32	$\frac{19}{32}'' - \frac{3}{4}''$	8d common (2 -2 $\frac{1}{2}''$ × 0.131") nail (subfloor, wall)	6	12
		8d common (2 $\frac{1}{2}''$ × 0.131") nail (roof); or RSRS-01; (2 $\frac{3}{8}''$ × 0.113") nail (roof) ^b	6 ^f	6 ^f
		Deformed 2 $\frac{3}{8}''$ × 0.113" × 0.266" head (wall or subfloor)	6	12

Table R602.10.3(3) The D₂ values were mistakenly omitted from the table.

**TABLE R602.10.3(3)
BRACING REQUIREMENTS BASED ON SEISMIC DESIGN CATEGORY**

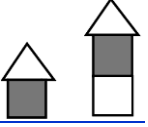
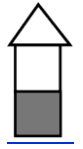
<ul style="list-style-type: none"> • WALL HEIGHT = 10 FEET • 10 PSF FLOOR DEAD LOAD • 15 PSF ROOF/CEILING DEAD LOAD • BRACED WALL LINE SPACING ≤ 25 FEET 		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^{a, 9}					
Seismic Design Category ^b	Story Location	Braced Wall Line Length (feet) ^c	Method LIB ^d	Method GB	Methods DWB, SFB, PBS, PCP, HPS, CS-SFB ^e	Methods WSP, ABW ^f , PFH ^f and PFG ^{e, f}	Methods CS-WSP, CS-G, CS-PF
<u>D₂^h</u>		<u>10</u>	<u>NP</u>	<u>4.0</u>	<u>4.0</u>	<u>2.5</u>	<u>2.1</u>
		<u>20</u>	<u>NP</u>	<u>8.0</u>	<u>8.0</u>	<u>5.0</u>	<u>4.3</u>
		<u>30</u>	<u>NP</u>	<u>12.0</u>	<u>12.0</u>	<u>7.5</u>	<u>6.4</u>
		<u>40</u>	<u>NP</u>	<u>16.0</u>	<u>16.0</u>	<u>10.0</u>	<u>8.5</u>
		<u>50</u>	<u>NP</u>	<u>20.0</u>	<u>20.0</u>	<u>12.5</u>	<u>10.6</u>
		<u>10</u>	<u>NP</u>	<u>7.5</u>	<u>7.5</u>	<u>5.5</u>	<u>4.7</u>
		<u>20</u>	<u>NP</u>	<u>15.0</u>	<u>15.0</u>	<u>11.0</u>	<u>9.4</u>
		<u>30</u>	<u>NP</u>	<u>22.5</u>	<u>22.5</u>	<u>16.5</u>	<u>14.0</u>
		<u>40</u>	<u>NP</u>	<u>30.0</u>	<u>30.0</u>	<u>22.0</u>	<u>18.7</u>
		<u>50</u>	<u>NP</u>	<u>37.5</u>	<u>37.5</u>	<u>27.5</u>	<u>23.4</u>
	<u>Three-story dwelling</u>	<u>10</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>
		<u>20</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>
		<u>30</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>
		<u>40</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>
		<u>50</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>
	<u>Cripple wall below one- or two-story dwelling</u>	<u>10</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>7.5</u>	<u>6.4</u>
		<u>20</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>15.0</u>	<u>12.8</u>
		<u>30</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>22.5</u>	<u>19.1</u>
		<u>40</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>30.0</u>	<u>25.5</u>
		<u>50</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>37.5</u>	<u>31.9</u>

Table R606.12.2.1 Reference to the International Building Code is replaced with "[Building Code](#)."

Chapter 8 Roof-Ceiling Construction

Table R802.11 Table R802.11 only refers to Exposure Category C.

TABLE R802.11
RAFTER OR TRUSS UPLIFT CONNECTION FORCES FROM WIND (ASD) (POUNDS PER CONNECTION)^{a, b, c, d, e, f, g, h}

RAFTER OR TRUSS SPACING	ROOF SPAN (feet)	EXPOSURE B-C									
		Basic Design Wind Speed V (mph)									
		110		115		120		130		140	
		Roof Pitch		Roof Pitch		Roof Pitch		Roof Pitch		Roof Pitch	
		< 5:12	≥ 5:12	< 5:12	≥ 5:12	< 5:12	≥ 5:12	< 5:12	≥ 5:12	< 5:12	≥ 5:12

Chapter 11 Energy Efficiency

Section N1101.1 Only the following sentence is changed, the rest of the section remains unchanged:

New buildings using Section N1105.3, Exception 3, shall ~~select~~ comply with two additional measures from Table N1101.1(2).

Table N1101.1(1)

TABLE N1101.1(1)
PRESCRIPTIVE ENVELOPE REQUIREMENTS^a

g. Vaulted ceiling ~~surface-heated space floor~~ area exceeding 50 percent of the total heated space floor area shall have a *U*-factor not greater than U-0.026 (equivalent to R-38 rafter or scissor truss with R-38 advanced framing).

Table N1101.1(2)

TABLE N1101.1(2)
ADDITIONAL MEASURES

MEASURE NUMBER.	MEASURE DESCRIPTION
1	HIGH-EFFICIENCY HVAC SYSTEM^a a. Gas-fired furnace or boiler AFUE 94 percent, or b. Air source heat pump HSPF 10.0/ 14.0 16.0 SEER cooling or 8.5 HSPF2 / 15.0 SEER2, or c. Ground-source heat pump COP 3.5 or ENERGY STAR rated

Section N1101.3.1

N1101.3.1 Large additions. Additions that are equal to or more than 600 square feet (56 m²) in area shall be required to ~~select~~ comply with one measure from Table N1101.1(2).

Section N1101.3.2

N1101.3.2 Small additions. Additions that are less than 600 square feet (56 m²) in area shall ~~be required to select~~ comply with one measure from Table N1101.1(2) or ~~comply with~~ Table N1101.3.2.

Exception: Additions that are less than 225 square feet (20.9 m²) in area shall not be required to comply with Table N1101.1(2) or Table N1101.3.2.

Table N1101.3

The **Small Addition Additional Measures** table is renumbered to Table N1101.3.2.

Section N1101.4

N1101.4 Information on plans and specifications. Plans and specifications shall show in sufficient detail all pertinent data and features of the building and the equipment and systems as herein governed, including but not limited to: exterior envelope component materials, *R*-values of insulating materials, fenestration *U*-factors, HVAC equipment efficiency performance and system controls, ductwork location, lighting, the additional measure(s) from Table N1101.1(2), and the other pertinent data to indicate compliance with the requirements of the chapter.

Table N1104.1(1)

TABLE N1104.1(1)
RESIDENTIAL THERMAL PERFORMANCE CALCULATIONS

BUILDING COMPONENTS ^b	STANDARD BASE CASE ^a			PROPOSED A		ALTERNATIVE	
	Areas ^c	U-factor	Areas x U	R-value ^d	Areas ^c	U-factor ^e	Areas x U
Exterior doors ^h <i>Doors with > 2.5 ft² glazing</i>		0.2 <i>0.4</i>					

Table N1104.1(2)

TABLE N1104.1(2)
APPROVED DEFAULT U-FACTORS

- b. Intermediate framing consists of wall studs placed at a minimum 16 inches on center with insulated headers. Voids in headers [1 inch to 2 inches in thickness](#) shall be insulated with rigid insulation having a minimum R-value of 4 per 1-inch thickness. [Voids in headers greater than 2 inches in depth shall be insulated to a minimum level of R-10.](#)

Table N1104.8

TABLE N1104.8
AIR BARRIER INSTALLATION AND AIR SEALING REQUIREMENTS

COMPONENT	AIR BARRIER CRITERIA
Windows, skylights and doors	The annular space between framing and skylights, and the jambs of windows and doors shall be air sealed . Framing cavities around windows, skylights and doors shall contain continuous insulation or be installed per the fenestration manufacturer's instructions.

Section N1105.3

The reference to Table N1101.2(2) in Exception 3 is replaced with [Table N1101.1\(2\)](#).

Section N1105.3.2

N1105.3.2 Ducts in [an](#) unvented crawlspace [outside the building thermal envelope](#). Ducts located in [an](#) unvented crawlspace [outside of the building thermal envelope](#) shall be in accordance with all of the following when using Section N1105.3, Exception 3:

1. In addition to meeting Section R408.3, all seams of the vapor barrier shall overlap a minimum of 12 inches (305 mm) and be sealed with tape or other *approved* method.
2. All ductwork in the crawlspace shall be insulated to R-8.
3. The floor between the crawlspace and the dwelling shall be insulated with minimum R-30.

Section N1105.3.3

N1105.3.3 Deeply buried duct in vented crawlspace. Ducts deeply buried in crawlspace insulation shall be in accordance all of the following when using Section N1105.3, Exception 3:

1. Insulation shall be installed to fill gaps and voids between the duct and the floor above, and a minimum of R-19 insulation shall be installed below the duct and between the duct and unconditioned crawlspace.
2. All ductwork in the crawlspace shall be insulated to R-8.
3. [The floor between the crawlspace and the dwelling shall be insulated with minimum R-30.](#)

Exception: HVAC ductwork shall be permitted to be located outside of the *building thermal envelope* where the duct is insulated to a minimum of R-27 with a Class II or III vapor retarder.

Chapter 15 Exhaust Systems**Section M1502.6**

Replace reference to Table M1601.1.1(2) with [Table M1601.1.1](#).

Appendix AF Radon Control Methods**Section AF103.5**

AF103.5 Crawl space mitigation system. In buildings with *crawl space* foundations, a system complying with Section AF103.5.1 [or AF103.5.2](#) shall be installed during construction.