

BUILDING DESIGN CRITERIA

Northwest Code Professionals - Jackson County Oregon Jurisdictions

Detached One and Two Family Residential:
2017 Oregon Residential Specialty Code- ORSC (2015 IRC)

Commercial and others:
2014 Oregon Structural Specialty Code – OSSC (2012 IBC)

Prescriptive Residential (One and Two-Family Dwellings and Accessory)²

Wind Speed	Wind Exposure Category	Seismic	Roof Snow (Non-reducible) See Note 1 below	Allowable Soil Bearing Pressure	Frost Level
120 mph ULT 93 mph ASD See R301.2.1 for additional information.	Site Specific: See R301.2.1.3 for definition and criteria	D1 See (R301.2.2.2 for seismic limitations)	<u>Below 2000 ft</u> 36 psf Ground Snow 25 psf Roof Snow <u>Above 2000 ft</u> Calculated from ground snow per “Snow Load Analysis of Oregon”, by Structural Engineers of Oregon. See note 1 below for information.	1500 PSF without Soils Report (R401.4.1)	12 inches at elevations below 2500 ft (18 inches otherwise)

Commercial and Other

Wind Speed	Wind Pressure	Wind Exposure	Seismic	Roof Snow (Non-reducible)	Allowable Soil Bearing Pressure	Frost Level
Per risk category (OSSC 1609) I: 115 ult / 89 asd II: 120 ult / 93 asd I: 130 ult / 101 asd	Per OSSC Sec. 1609 & ASCE7	Site Specific: Typically, “ B ” (Some may be “ C ”)	SDC D Site specific per OSSC Sec. 1614	See OSSC 1608 for Snow load and design. See note 1 below	1500 PSF without Soils Report	12 inches at elevations below 2500 ft. (18 inches otherwise)

Notes:

- 1. Snow Load:** For locations with elevation higher than the listed values or for a possible reduction in minimum design roof snow load from 25psf to 20 psf, refer to the Snow Load Analysis for Oregon (including the ground snow load maps) published by the Structural Engineers Association of Oregon in 2007, in conjunction with the 2010 Oregon Snow Load Map update and Interim Guidelines for Snow Load Determination for the State of Oregon, published in 2011.
- 2. Prescriptive design** criteria for residential is applicable to the provisions and limitations of the ORSC. Non-prescriptive designs (engineered) are required to comply with OSSC design criteria. See ORSC R301 for additional information.
- 3. View Current Oregon Codes online** at Oregon Building Codes Division: <http://www.oregon.gov/BCD/pages/index.aspx>

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