

BUILDING DESIGN CRITERIA – JOSEPHINE COUNTY OREGON

View Current Oregon Codes at Oregon Building Codes Division:
http://www.cbs.state.or.us/bcd/programs/online_codes.html



Detached One and Two Family Residential:
 2014 Oregon Residential Specialty Code- ORSC
 (based on 2009 International Residential Code)

Commercial and others:
 2014 Oregon Structural Specialty Code - OSSC
 (based on 2012 International Building Code)

BUILDING SAFETY DEPARTMENT
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Prescriptive Residential (One and Two Family Dwellings and Accessory)³

Wind Speed	Wind Pressure	Wind Exposure	Seismic	Roof Snow (Non-reducible)	Allowable Soil Bearing Pressure	Frost Level
95 MPH (3 sec. Gust)	18 PSF See ORSC table R301.2(1)	Site Specific: Typically, "B" (Some may be "C")	D ₁ See (R301.2.2.2 for seismic limitations)	Below 2500 ft 25 PSF Design Snow Above 2500 ft Calculated from ground snow per "Snow Load Analysis of Oregon", by Structural Engineers of Oregon, published December 2007 (25 PSF minimum)	1500 PSF without Soils Report	12 inches at elevations below 2500 ft elevation otherwise 18"

Commercial (Non-Residential One and Two Family Dwellings and Accessory)

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 note 1 below	See OSSC 1608 for Snow load and design. See note 2 below	1500 PSF without Soils Report	12 inches at elevations below 2500 ft elevation otherwise 18"

Notes:

- For Latitude/Longitude required for seismic parameters and site location and elevation, see www.terraserver.com and <http://earthquake.usgs.gov/hazards/designmaps/>
- Snow load determinations per the "Snow Load Analysis of Oregon", by Structural Engineers of Oregon published December 2007. Designs per Chapter 7 of ASCE 7
- Prescriptive design criteria for residential is applicable to the prescriptive designs outlined in the ORSC. Non-prescriptive designs (engineered) are required to comply with OSSC design criteria.