

2025 Oregon Structural Specialty Code

Snow load provisions for repairs and alterations

Interim amendments

Summary:

These amendments include an exception to the new construction design snow load provisions for certain repairs and alterations to existing buildings.

The changes are denoted as follows:

Blue/underline = Added code language
Red/~~strikethrough~~ = Deleted code language

Sections 3404.5.2.1 through 3404.5.2.1.2

3404.5.2.1 (405.2.1) Repairs for less than substantial structural damage. Unless otherwise required by this section, for damage less than *substantial structural damage*, the damaged structural elements shall be permitted to be restored to their predamage condition. ~~Where either of the following conditions exist, repair of the damaged structural elements shall comply with the requirements of this code for new construction:~~

- ~~1. The damage is deemed *dangerous*.~~
- ~~2. The damaged structural elements, in their predamage condition, have a demand-capacity ratio greater than 1.5 for ASD load combinations or 1.3 for LRFD load combinations as determined by Section 1605, using *dead loads* and *live loads* determined in accordance with Sections 1606 and 1607.~~

3404.5.2.1.1 (405.2.1.1) Snow damage. Structural components whose damage was caused by or related to snow load effects shall be repaired, replaced or altered to satisfy the requirements of Section 1608.

3404.5.2.1.2 Critical damage. Where either of the following conditions exist, repair of the damaged structural elements shall comply with the requirements of this code for new construction:

1. The damage is deemed *dangerous*.
2. The damaged structural elements, in their predamage condition, have a demand-capacity ratio greater than 1.5 for ASD load combinations or 1.3 for LRFD load combinations as determined by Section 1605, using *dead loads* and *live loads* determined in accordance with Sections 1606 and 1607.

Exception: Where this damage was not caused by or related to snow load effects, it shall be permitted to use the applicable design snow load provisions of the building code in effect at the time the existing, valid certificate of occupancy was issued.

Section 3404.5.2.4

3404.5.2.4 (405.2.4) Substantial structural damage to gravity load-carrying components. Gravity load-carrying components that have sustained *substantial structural damage* shall be retrofitted to comply with the applicable gravity load provisions for new construction in this code. Undamaged gravity load-carrying components, including undamaged foundation components, that receive gravity *loads* from retrofitted components shall also be retrofitted if required to comply with these design loads.

[Exception: Where this damage was not caused by or related to snow load effects, it shall be permitted to use the applicable design snow load provisions of the building code in effect at the time the existing, valid certificate of occupancy was issued.](#)

Section 3405.3.3

3405.3.3 (503.3) Existing structural elements carrying gravity load. Any existing gravity load-carrying structural element for which an *alteration* causes an increase in design gravity loads of more than 5 percent shall be replaced or altered as needed to carry the gravity loads required by this code for new structures. Any existing gravity load-carrying structural element whose gravity load-carrying capacity is decreased as part of the *alteration* shall be shown to have the capacity to resist the applicable design gravity loads required by this code for new structures.

Exceptions:

- [1. It shall be permitted to use the applicable design snow load provisions of the building code in effect at the time the existing, valid certificate of occupancy was issued.](#)
- [2. Buildings in which the increased dead load is due entirely to the addition of a second layer of roof covering weighing 3 pounds per square foot \(0.1437 kN/m²\) or less over an existing single layer of roof covering.](#)

Section 3407.6.2

3407.6.2 (706.2) Addition or replacement of roofing or replacement of equipment. Any existing gravity load-carrying structural element for which an *alteration* causes an increase in design gravity load of more than 5 percent shall be replaced or altered as needed to carry the design gravity loads required by this code for new structures.

Exceptions:

- [1. It shall be permitted to use the applicable design snow load provisions of the building code in effect at the time the existing, valid certificate of occupancy was issued.](#)
- [2. Buildings in which the increased dead load is due entirely to the addition of a second layer of roof covering weighing 3 pounds per square foot \(0.1437 kN/m²\) or less over an existing single layer of roof covering.](#)

Section 3408.5.2

3408.5.2 (805.2) Existing structural elements carrying gravity loads. Any existing gravity load-carrying structural element for which an *alteration* causes an increase in design gravity load of more than 5 percent shall be replaced or altered as needed to carry the design gravity loads required by this code for new structures. Any existing gravity load-carrying structural element whose gravity load-carrying capacity is decreased as part of the *alteration* shall be shown to have the capacity to resist the applicable design gravity load required by this code for new structures.

Exceptions:

- [1. It shall be permitted to use the applicable design snow load provisions of the building code in effect at the time the existing, valid certificate of occupancy was issued.](#)
- [2. Buildings in which the increased dead load is attributable to the addition of a second layer of roof covering weighing 3 pounds per square foot \(0.1437 kN/m²\) or less over an existing single layer of roof covering.](#)

Contact

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