



OSSC mid-cycle code amendments

Purpose of the rule:

This rule adopts mid-cycle code amendments to the 2007 Oregon Structural Specialty Code.

This rule and the code amendments are effective October 1, 2008.

Citation:

Amend: OAR 918-460-0015

Repeal: Temporary rule OAR 918-460-0015

Effect of the rule:

Many of the amendments are housekeeping in nature. Amendments adopting a revised base shear equation for buildings over 20 stories and requirements for installing fire sprinkler systems in buildings that have been substantially altered or damaged are more substantive changes.

The following code sections have been amended:

- Delete definition of group child care home in Section 202.
- Amend Section 308.5 group I-4, day care facilities.
- Amend Section 310.1, adult foster homes and family child care homes.
- Delete definition for group child care home and amend definition of family child care home in Section 310.2.
- Delete Section 412.2.3 dealing with aircraft hangar floor drains.
- Amend Sections 903.2.7.1 and 903.2.7.2, fire sprinkler requirements in substantially damaged or substantially altered existing nonsprinklered apartment buildings.
- Amend the heading of Section 1019.2 and Table 1019.2, replace Table 1019.2 and footnotes.
- Amend Section 1109.9.8 to clarify door hardware requirements for accessible sliding doors.
- Delete Section 1504.3 dealing with overflow drains and scuppers.
- Add new Section 1613.6.3 - recognition of NFPA 13-2007 seismic provisions.
- Amend Section 1613.8 to clarify when seismic recording instrumentation is required.
- Amend Appendix SR.
- Updated NFPA References.
- Replace the base shear equation as per ASCE 7-05, Supplement No. 2.

For information on amendments to the 2007 Oregon Structural Specialty Code [mid-cycle amendments](#).

Code books may be purchased from vendors listed on the division's web site at

<http://www.bcd.oregon.gov/codestandards.html>.

Contact:

If you have questions or need further information, please contact Structural Program Chief Richard Rogers at 503-378-4472, or Richard.Rogers@state.or.us .



918-460-0015

Amendments to the Oregon Structural Specialty Code

(1) The **Oregon Structural Specialty Code** is adopted and amended pursuant to OAR chapter 918, division 8. Amendments adopted for inclusion into the **Oregon Structural Specialty Code** are placed in this rule, showing the section reference, a descriptive caption, and a short description of the amendment.

(2) Effective October 1, 2008, the 2007 **Oregon Structural Specialty Code** is amended as follows:

(a) Minimum base shear equation. The base shear equation 12.8-5 of ASCE 7-05 is deleted and replaced with the following base shear equation per ASCE 7-05, Supplement No. 2: $C_s = 0.044S_{DS}I \geq 0.01$.

(b)(A) Group child care home definition. The definition of group child care home is deleted from Section 202.

(B) The definition of group child care home in Section 310.2 is deleted and replaced with: Family child care home (Licensed by Oregon Child Care Division under ORS 657A); Includes certified family child care homes (located in homes licensed for 16 or fewer children) and registered family child care homes (located in homes licensed for 10 or fewer children).

(c) Group day care facilities. Section 308.5 is amended to read: Group I-4, day care facilities. This group shall include buildings and structures occupied by persons of any age who receive custodial care for less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage, or adoption and in a place other than the home of the person cared for. A facility such as the above with six or fewer persons or family child care homes (located in a private residence) as defined in Section 310.2, shall be classified as a Group R-3 or shall comply with the *Residential Code* in accordance with Section 101.2. Places of worship during religious functions are not included.

(d) Adult foster homes. Section 310.1 is amended to read:

(A) Adult foster homes as defined in ORS Chapter 443, or family child care homes (located in a private residence) as defined in Section 310.2.

(B) Adult foster homes and family child care homes that are within a single-family dwelling are permitted to comply with the Oregon Residential Specialty Code in accordance with Section 101.2.

(e) Aircraft hangars. Section 412.2.3 relating to floor surface of aircraft hangars is deleted.

(f)(A) Fire sprinklers. Section 903.2.7.1 is deleted.

(B) Section 903.2.7.2 is renumbered to 903.2.7.1 and amended as follows:

(i) The first paragraph is amended to read: Requirements. Where substantial alterations are made or substantial damage occurs to an existing non-sprinkled Group R2 apartment house, designed and constructed under the provisions of this code, an approved automatic sprinkler system complying with NFPA 13R shall be installed only in the substantially altered or damaged

dwelling units. When more than 50 percent of the dwelling units within a building are substantially altered or damaged, the entire apartment house occupancy shall be provided with an NFPA 13R sprinkler system or equivalent.

(ii) The following language is inserted after the first paragraph: For the purpose of this section, when an NFPA 13R sprinkler system is installed, a fire department connection shall not be required.

(iii) The definition of substantial alteration is changed from 40 percent to 25 percent of the assessed value of the structure before the alteration occurred.

(iv) The definition of substantial damage is changed from 40 percent to 25 percent of the assessed value of the structure before the damage occurred.

(g) Means of egress. Section 1019.2 is amended as follows:

(A) The title is amended to read: Stories with one exit.

(B) Subsection 1 is deleted and replaced with the following: Stories meeting the limitations of Table 1019.2.

(C) Subsection 3 is deleted.

(D) Table 1019.2 and its footnotes are replaced with a new table and footnotes.

(h) Accessible sliding doors. The following sentence is added to the end of Section 1109.9.8: When sliding doors are fully open, operating hardware shall be exposed and usable from both sides.

(i) Overflow drains and scuppers. The text of section 1504.3 relating to overflow drains and scuppers is deleted and replaced with the following: Where roof drains are required, overflow drains shall be installed per section 1101.11 of the Oregon Plumbing Specialty Code.

(j) NFPA 13-2007 Seismic provisions. Section 1613.6.3 is added and reads: Automatic fire sprinkler systems. Automatic fire sprinkler systems designed and installed in accordance with NFPA 13 shall be deemed to meet the requirements of Section 13.6.8 of ASCE 7.

(k) Earthquake recording instrumentation. Section 1613.8 is amended to require earthquake recording instrumentation in new buildings over six stories above grade in height.

(L) Referenced standards. The referenced standards have been updated to read as follows:

(A) NFPA 11, 2005.

(B) NFPA 13, 2007.

(C) NFPA 13R, 2007.

(D) NFPA 13D, 2007.

(E) NFPA 14, 2007.

(F) NFPA 40, 2007.

(G) NFPA 72, 2007.

(H) NFPA 101, 2006.

(I) NFPA 409, 2004.

(m) Special Residence (SR) occupancy fire alarm systems. The SR Appendix is amended as follows:

(A) Section SR107.3 is amended to read: Fire alarm systems. An approved manual and automatic supervised fire alarm system shall be installed in all Group SR occupancies. Detection shall be required only in the areas specified in section SR107.3.1 when an automatic sprinkler system is

installed throughout the building, in accordance with 903.3.1 and connected to the building fire alarm system.

(B) Section SR108.3.2 is amended to read: Controlled egress fire alarm requirements. An approved automatic fire alarm system shall be provided for partial coverage in accordance with NFPA 72 and this appendix.

(C) The third exception listed under section SR108.3.2 is amended to read: The registers of a forced air HVAC system.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.231, 447.247, 455.030, 455.110 & 455.112

Stats. Implemented: ORS 447.247, 455.110 & 455.112

Hist.: BCA 18-1993, f. 8-24-93, cert. ef. 8-29-93; BCA 28-1993, f. 10-22-93, cert. ef. 1-1-94; BCD 6-1994, f. 2-25-94, cert. ef. 5-1-94; BCD 22-1994, f. 9-28-94, cert. ef. 1-1-95; BCD 31-1994(Temp), f. & cert. ef. 12-23-94; BCD 32-1994, f. & cert. ef. 12-30-94; BCD 2-1995, f. & cert. ef. 2-9-95; BCD 5-1995, f. & cert. ef. 3-15-95; BCD 2-1996, f. 2-2-96, cert. ef. 4-1-96; BCD 6-1996, f. 3-29-96, cert. ef. 4-1-96; BCD 12-1997, f. 9-10-97, cert. ef. 10-1-97; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 24-1998(Temp), f. & cert. ef. 12-1-98 thru 5-29-99; Temporary Rule repealed by BCD 3-1999, f. 3-12-99, cert. ef. 4-1-99; BCD 5-1999, f. 6-17-99, cert. ef. 10-1-99; BCD 12-1999(Temp), f. 9-23-99, cert. ef. 11-1-99 thru 4-28-00; BCD 2-2000 f. 1-14-00, cert. ef. 4-1-00; BCD 20-2000, f. 9-15-00, cert. ef. 10-1-00; BCD 8-2001, f. 7-17-01, cert. ef. 10-1-01; BCD 18-2001, f. 12-21-01, cert. ef. 1-1-02; BCD 14-2003, f. 8-13-03, cert. ef. 10-1-03; BCD 18-2003(Temp) f. & cert. ef. 11-14-03 thru 5-11-04; BCD 5-2004,f. & cert. ef. 4-1-04; BCD 16-2004, f. 9-24-04, cert. ef. 10-1-04; BCD 21-2004, f. & cert. ef. 10-1-04; BCD 9-2005(Temp), f. & cert. ef. 4-7-05 thru 9-30-05; BCD 14-2005, f. & cert. ef. 7-5-05; BCD 18-2005(Temp), f. & cert. ef. 7-12-05 thru 9-30-05; BCD 22-2005, f. 9-29-05, cert. ef. 10-1-05; BCD 23-2005, f. 9-29-05, cert. ef. 10-1-05; BCD 1-2006, f. & cert. ef. 2-1-06; BCD 9-2006, f. 6-30-2006, cert. ef. 7-1-06; BCD 1-2007, f. 2-15-07, cert. ef. 4-1-07; BCD 9-2008 (Temp), f. & cert. ef. 6-25-08 thru 12-22-08; BCD 20-2008, f. 9-30-08, cert. ef. 10-1-08