

**DIVISION 460  
STRUCTURAL SPECIALTY CODE**

**918-460-0000****Reasonable Notice to Interested Parties**

Prior to the adoption, amendment or repeal of any rule relating to the **Oregon Structural Specialty Code**, the Building Codes Division shall give notice of the proposed action:

(1) In the Secretary of State's Bulletin referred to in ORS 183.360 at least 21 days prior to the effective date;

(2) By mailing a copy of the notice to persons on the mailing list established pursuant to ORS 183.335 and OAR 918-001-0210; and

(3) To the Capitol Press Room.

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

Stat. Auth.: ORS 183.335

Stats. Implemented: ORS 183.335

Hist.: DC 63, f. & ef. 12-5-75; DC 9-1983, f. & ef. 3-15-83; Renumbered from 814-026-0000 & 814-026-0001; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98

**918-460-0010****Adopted Oregon Structural Specialty Code**

Effective April 1, 2007 the 2007 **Oregon Structural Specialty Code** is the 2006 **Edition** of the **International Building Code**, as published by the International Code Council, and amended by the Building Codes Division.

[Publications: Publications referenced are available for review at the division. See division web site for information on where to purchase publications.]

Stat. Auth.: ORS 455.020, 455.447 & 455.610

Stats. Implemented: ORS 455.110

Hist.: DC 34, f. 6-5-74, ef. 6-25-74; DC 36(Temp), f. & ef. 7-1-74; DC 37, f. 8-30-74, ef. 9-25-74; DC 45, f. 4-7-75, ef. 4-25-75; DC 51(Temp), f. & ef. 7-3-75 - 10-31-75; DC 61, f. 11-20-75, ef. 1-1-76; DC 67, f. & ef. 2-19-76; DC 68, f. 3-3-76, ef. 4-1-76; DC 76, f. 5-21-76, ef. 8-1-76; DC 77, f. 5-26-76, ef. 6-3-76; DC 84, f. 8-19-76, ef. 10-1-76; DC 102, f. & ef. 11-1-77; DC 104, f. 12-1-77, ef. 12-10-77; DC 2-1978, f. 1-20-78, ef. 3-1-78; DC 18-1978, f. 5-4-78, ef. 5-15-78; DC 5-1978(Temp), f. 2-22-78, ef. 3-1-78 thru 4-29-78; DC 29-1978, f. 10-27-78, ef. 1-1-79; DC 31-1978(Temp), f. 12-8-78, ef. 1-1-79; DC 33-1978(Temp), f. 12-27-78, ef. 1-1-79; DC 6-1979 (Temp), f. 3-13-79, ef. 4-1-79; DC 8-1979, f. 4-30-79, ef. 5-1-79/8-1-79/1-1-80; DC 12-1979(Temp), f. 7-2-79, ef. 8-1-79; DC 13-1979, f. 11-1-79, ef. 12-1-79; DC 7-1980, f. 6-5-80, ef. 7-1-80; DC 15-1980(Temp), f. & ef. 10-13-80; DC 11-1981, f. & ef. 7-20-81; DC 13-1981, f. 10-30-81, ef. 11-1-81; DC 15-1981, f. 10-30-81, ef. 1-1-82; DC 9-1982, f. & ef. 3-1-82; DC 14-1983, f. 6-23-83, ef. 8-1-83; DC 26-1984, f. 8-31-84, ef. 9-15-84; DC 35-1984, f. & ef. 11-28-84; DC 14-1985(Temp), f. & ef. 6-21-85; DC 21-

1985, f. 12-18-85, ef. 1-1-86; DC 10-1986, f. 6-30-86, ef. 7-1-86; DC 19-1986, f. 10-31-86, ef. 11-1-86; DC 5-1987(Temp), f. & ef. 3-26-87; DC 12-1987(Temp), f. 4-21-87, ef. 4-24-87; BCA 7-1987, f. & ef. 9-3-1987; BCA 11-1987, f. & ef. 10-21-87; BCA 12-1987, f. & ef. 11-5-87; Renumbered from 814-026-0005; BCA 34-1989, f. 12-21-89, cert. ef. 1-1-90; BCA 30-1990, f. 12-21-90, cert. ef. 1-1-92; BCA 43-1991(Temp), f. 12-24-91, cert. ef. 1-1-92; BCA 3-1992(Temp), f. 3-4-92, cert. ef. 3-5-92; BCA 12-1992, f. 6-29-92, cert. ef. 7-1-92; BCA 27-1992, f. 12-29-92, cert. ef. 1-1-93; BCA 3-1993(Temp), f. & cert. ef. 3-3-93; BCA 19-1993(Temp), f. 8-26-93, cert. ef. 9-1-93; BCA 26-1993, f. 10-22-93, cert. ef. 11-1-93; BCD 6-1994, f. 2-25-94, cert. ef. 5-1-94; BCD 2-1996, f. 2-2-96, cert. ef. 4-1-96; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 16-2004, f. 9-24-04, cert. ef. 10-1-04; BCD 1-2007, f. 2-15-07, cert. ef. 4-1-07

**918-460-0015****Amendments to the Structural Specialty Code**

(1) The **Oregon Structural Specialty Code** is adopted and amended pursuant to 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)(a) Minimum base shear equation. Effective June 25, 2008 the referenced standard ASCE 7-05 in the **Oregon Structural Specialty Code** is amended as follows:

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

[Publications: Publications referenced are available for review at the division. See division web site for information on where to purchase publications.]

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

#### 918-460-0016

##### Townhouse and Rowhouse Construction

Effective October 1, 2004 through March 31, 2005, the appropriate standard for construction, alteration and repair of:

(1) A townhouse structure is the **1998 Oregon Structural Specialty Code** and adopted amendments prior to September 30, 2004.

(2) A rowhouse structure is the **1998 Oregon Structural Specialty Code** and adopted amendments prior to September 30, 2004 and Oregon alternate method ruling No. 00-10 Rowhouse Construction.

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

Stat. Auth.: ORS 455.030, 455.110 & 455.144  
 Stats. Implemented: ORS 455.030, 455.110 & 455.144  
 Hist.: BCD 20-2004, f. 9-30-04, cert. ef. 10-1-04

#### 918-460-0020

##### Master Plan Review Fee

Plans submitted to the division for approval in one or more municipalities as a "master plan" shall be reviewed at a minimum hourly rate of \$70 per hour for each applicable specialty code with a minimum charge of one hour for structures less than 1,000 square feet. Structures 1,000 square feet and larger shall be reviewed using structural and fire and life safety plan review fees determined in accordance with OAR 918, divisions 460 and 480, and the appropriate specialty codes. Fees for mechanical, plumbing and electrical plan reviews shall be determined in accordance with the appropriate specialty code and applicable administrative rules. This rule does not apply to plan reviews for prefabricated structures.

Stat. Auth.: ORS 455.685  
 Stats. Implemented: ORS 455.685  
 Hist.: DC 13-1981, f. 10-30-81, ef. 11-1-81; Renumbered from 814-026-0010; BCD 26-2001, f. 12-28-01, cert. ef. 1-1-02

#### 918-460-0030

##### Fees for Plan Review and Permits

Fees for plan review and permits issued by the Division for construction, alteration and repair of prefabricated structures and of buildings and other structures as established by these rules and authorized by

ORS 455.210, shall be determined by using the value for estimated construction cost as 83 percent of the value shown on the construction valuation table established April 1, 2001, and published by the International Conference of Building Officials (ICBO), amended to include pole buildings not shown on the ICBO table, and to use the alternative (good) value for dwellings and apartment houses. A copy of the amended table, adjusted for Oregon, is attached to this rule and identified as **Exhibit 1**. [Exhibit not included. See ED. NOTE.] The valuation for plan review of buildings whose occupancies and types of buildings not listed in the valuation table shall be established at the actual project cost, including profit and overhead.

[ED. NOTE: Exhibits referenced are available from the agency.]

Stat. Auth.: ORS 455.210  
 Stats. Implemented: ORS 455.210  
 Hist.: BCA 12-1991(Temp), f. 5-15-91, cert. ef. 7-1-91; BCA 14-1991(Temp), f. 6-7-91, cert. ef. 7-1-91; BCA 27-1991, f. 8-29-91, cert. ef. 8-30-91; BCA 19-1992, f. & cert. ef. 9-15-92; BCA 14-1993(Temp), f. 6-30-93, cert. ef. 7-1-93; BCA 25-1993, f. 10-22-93, cert. ef. 11-1-93; BCD 19-1994, f. 8-30-94, cert. ef. 9-1-94; BCD 26-2001, f. 12-28-01, cert. ef. 1-1-02

#### 918-460-0040

##### Fire and Life Safety Plan Review Fee

When a fire and life safety plan review is conducted under ORS 479.155, the fee shall be 40 percent of the structural permit fee. This fee is in addition to the 65 percent structural plan review fee.

Stat. Auth.: ORS 455.210  
 Stats. Implemented: ORS 455.210  
 Hist.: BCD 11-1994, f. & cert. ef. 4-25-94; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98

#### 918-460-0050

##### Structural Permit Fees

(1) Effective July 1, 1999, the Building Codes Division fees for administration of the **Oregon Structural Specialty Code** are found in **Table 1-A**. [Table not included. See ED. NOTE.] These fees are based on 130 percent of **Table 3-A** of the 1979 edition of the **Uniform Building Code** as published by the International Conference of Building Officials, as authorized in ORS 455.210 and amended by Senate Bill 287 enacted by the 1999 Legislative Session.

(2) Amend Table 1-A Building Permit Fees as follows: [Table not included. See ED. NOTE.]

[ED. NOTE: Tables referenced are available from the agency.]

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

Stat. Auth.: ORS 455.020 & 455.210  
 Stats. Implemented: ORS 455.210  
 Hist.: BCD 8-1999(Temp), f. & cert. ef. 7-1-99 thru 12-27-99; BCD 11-1999, f. 9-7-99, cert. ef. 10-1-99

### **918-460-0060**

#### **Fees for Consultation Services**

The following fees are established for:

- (1) Consultation services related to structural, mechanical and fire and life safety plans: \$70 per hour or fraction thereof, with a minimum charge of one hour; and
- (2) Consultation and approval of alternate materials and methods: \$75 per hour or fraction thereof, with a minimum charge of one hour.

Stat Auth: ORS 455.020  
 Stats Implemented: ORS 455.020  
 Hist.: BCD 26-2001, f. 12-28-01, cert. ef. 1-1-02

### **918-460-0070**

#### **Phased Project and Deferred Submittal Fees**

When requested to review and approve plans for phased construction or deferred plan submittals under the **Oregon Structural Specialty Code**, the following fees in addition to the applicable plan review and permit fees shall apply.

(1) Phased Projects. There shall be an application fee of \$100 for each separate phase of the project. In addition, the plan review fee shall be increased in an amount equal to 10 percent of the building permit fee calculated according to OAR 918-460-0050 using the value of the particular phase of the project, not to exceed an additional \$1,500 for each phase.

(2) Deferred Submittals. The fee for processing and reviewing deferred plan submittals shall be an amount equal to 65 percent of the building permit fee calculated according to OAR 918-460-0050 using the value of the particular deferred portion or portions of the project. This fee is in addition to the project plan review fee based on total project value.

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

Stat. Auth.: ORS 455.020  
 Stats. Implemented: ORS 455.020  
 Hist.: BCD 26-2001, f. 12-28-01, cert. ef. 1-1-02

EXHIBIT 1

State of Oregon Building Codes Division

**BUILDING VALUATION DATA/PHASED PROJECTS/DEFERRED SUBMITTALS**

The valuation of building construction for building permit purpose shall be the total construction cost for all classes of work. The plan review and building permit fee will be based on valuation computed from the following average values, which were compiled in April 2001. See OAR 918-460-0070 and 918-480-0030 for fees related to phased projects and deferred submittals. Permit fees for less than a complete structure will be based upon the percent of construction to be completed under the permit as determined by the jurisdiction having authority. The cost is intended to comply with the definition of "valuation" in Section 223 of the State of Oregon Structural Specialty Code and includes architectural, structural, electrical, plumbing, heating and ventilation devices and equipment, except as specifically listed below. It also includes the contractors' profit, which should not be omitted.

Occupancy & Type	\$ PSF	Occupancy & Type	\$ PSF	Occupancy & Type	\$ PSF				
<b>1. APARTMENT HOUSES:</b>									
Type I or II F.R.*	\$88.89	<b>9. HOMES FOR THE ELDERLY:</b>							
Type V - Masonry	72.21	Type I or II F.R.	\$84.41	<b>18. PUBLIC BUILDINGS:</b>					
(or Type III)		Type II - 1 Hour	68.56	Type I or II F.R.*	\$100.43				
Type V - Wood Frame	66.73	Type II - N	65.57	Type II - 1 Hour	81.34				
Type I - Basement Garage	30.46	Type III - 1 Hour	71.38	Type II - N	77.77				
<b>2. AUDITORIUMS:</b>									
Type I or II F.R.	85.32	Type III - N	68.48	Type III - 1 Hour	84.49				
Type II - 1 Hour	61.75	Type V - 1 Hour	68.97	Type III - N	81.51				
Type II - N	58.43	Type V - N	66.57	Type V - 1 Hour	77.27				
Type III - 1 Hour	64.91	<b>10. HOSPITALS:</b>							
Type III - N	61.59	Type I or II F.R.*	132.80	Type I or II F.R.*	39.84				
Type V - 1 Hour	62.08	Type III - 1 Hour	109.98	Type I or II Open Parking*	29.88				
Type V - N	57.93	Type V - 1 Hour	104.91	Type II - N	22.83				
<b>3. BANKS:</b>									
Type I or II F.R.*	120.52	<b>11. HOTELS &amp; MOTELS:</b>							
Type II - 1 Hour	88.81	Type I or II F.R.*	82.17	Type III - 1 Hour	30.13				
Type II - N	85.91	Type III - 1 Hour	71.21	Type III - N	26.81				
Type III - 1 Hour	98.02	Type III - N	67.89	Type V - 1 Hour	27.39				
Type III - N	94.45	Type V - 1 Hour	62.00	<b>20. RESTAURANTS:</b>					
Type V - 1 Hour	88.81	Type V - N	60.76	Type III - 1 Hour	79.27				
Type V - N	85.08	<b>12. INDUSTRIAL PLANTS:</b>							
<b>4. BOWLING ALLEYS:</b>									
Type II - 1 Hour	41.50	Type I or II F.R.	46.31	Type III - N	76.61				
Type II - N	38.76	Type II - 1 Hour	32.20	Type V - 1 Hour	72.63				
Type III - 1 Hour	45.15	Type II - N	29.63	Type V - N	69.72				
Type III - N	42.25	Type III - 1 Hour	35.52	<b>21. SCHOOLS:</b>					
Type V - 1 Hour	30.46	Type III - N	33.45	Type I or II F.R.	90.47				
<b>5. CHURCHES:</b>									
Type I or II F.R.	80.76	Tilt-up	24.40	Type II - 1 Hour	61.75				
Type II - 1 Hour	60.59	Type V - 1 Hour	33.45	Type III - 1 Hour	66.07				
Type II - N	57.60	Type V - N	30.63	Type III - N	63.58				
Type III - 1 Hour	65.90	<b>13. JAILS:</b>							
Type III - N	63.00	Type I or II F.R.	129.48	Type V - 1 Hour	61.92				
Type V - 1 Hour	61.59	Type III - 1 Hour	118.44	Type V - N	59.10				
Type V - N	57.93	Type V - 1 Hour	88.81	<b>22. SERVICE STATIONS:</b>					
<b>6. CONVALESCENT HOSPITALS:</b>									
Type I or II F.R.*	113.30	<b>14. LIBRARIES:</b>							
Type II - 1 Hour	78.60	Type I or II F.R.	94.70	Type II - N	54.70				
Type III - 1 Hour	80.59	Type II - 1 Hour	63.91	Type III - 1 Hour	57.02				
Type V - 1 Hour	75.95	Type II - N	65.90	Type V - 1 Hour	48.56				
<b>7. DWELLINGS:</b>									
Type V - Masonry	78.85	Type III - 1 Hour	73.21	Canopies	22.83				
Type V - Wood Frame	75.20	Type III - N	69.55	<b>23. STORES:</b>					
Basements -		Type V - 1 Hour	68.81	Type I or II F.R.*	67.06				
Semi-Finished	18.92	Type V - N	65.90	Type II - 1 Hour	41.00				
Unfinished	14.44	<b>15. MEDICAL OFFICES:</b>							
<b>8. FIRE STATIONS:</b>									
Type I or II F.R.	93.13	Type I or II F.R.*	97.28	Type II - N	40.09				
Type II - 1 Hour	61.25	Type II - 1 Hour	75.03	Type III - 1 Hour	49.88				
Type II - N	57.77	Type II - N	71.30	Type III - N	46.81				
Type III - 1 Hour	67.06	Type III - 1 Hour	79.02	Type V - 1 Hour	42.00				
Type III - N	64.24	Type III - N	75.78	Type V - N	38.84				
Type V - 1 Hour	62.91	Type V - 1 Hour	73.37	<b>24. THEATERS:</b>					
Type V - N	59.68	Type V - N	70.80	Type I or II F.R.	89.39				
<b>16. OFFICES**:</b>									
<b>17. PRIVATE GARAGES:</b>									
Wood Frame	19.75	Type I or II F.R.*	86.90	Type III - 1 Hour	65.07				
Masonry	22.33	Type II - 1 Hour	58.18	Type III - N	62.00				
Open Carports	13.53	Type II - N	55.44	Type V - 1 Hour	61.25				
<b>18. PUBLIC BUILDINGS:</b>									
<b>19. PUBLIC GARAGES:</b>									
<b>20. RESTAURANTS:</b>									
<b>21. SCHOOLS:</b>									
<b>22. SERVICE STATIONS:</b>									
<b>23. STORES:</b>									
<b>24. THEATERS:</b>									
<b>25. WAREHOUSES***:</b>									
<b>26. WOOD FRAME POLE:</b>									
<b>EQUIPMENT:</b>									
Air Conditioning:									
Commercial									
Residential									
Sprinkler Systems									

\*Add 0.6% to total cost for each story over three. (updated 5/1/03)

\*\*Deduct 20% for shell-only buildings.

\*\*\*Deduct 11% for mini-warehouses.

**Table 1-A  
Building Permit Fees**

<b>Total Valuation</b>	<b>Fee</b>
\$1 to \$500	\$13
\$501 to \$2,000	\$13 for the first \$500 plus \$1.95 for each additional \$100 or fraction thereof, to and including \$2,000
\$2,001 to \$25,000	\$42.25 for the first \$2,000 plus \$7.80 for each additional \$1,000 or fraction thereof, to and including \$25,000
\$25,001 to \$50,000	\$221.65 for the first \$25,000 plus \$5.85 for each additional \$1,000 or fraction thereof, to and including \$50,000
\$50,000 to \$100,000	\$367.90 for the first \$50,000 plus \$3.90 for each additional \$1,000 or fraction thereof, to and including \$100,000
\$100,000 and up	\$562.90 for the first \$100,000 plus \$3.25 for each additional \$1,000 or fraction thereof

**Other Inspections and Fees:**

1. Inspections outside of normal business hours.....\$19.50 per hour
2. Reinspection fees assessed under provisions of section 108.8.....\$19.50 each
3. Inspections for which no fee is specifically indicated  
(minimum charge ½ hour).....\$19.50 per hour
4. Plan review fee..... 65 percent of structural permit fee
5. Additional plan review required by changes additions or revisions to approved plans  
(minimum charge ½ hour).....\$19.50 per hour