

allows contractors to apply and pay for multiple simple electrical, mechanical, and plumbing permits from multiple building departments.

### **Pilot program success**

The pilot program has been very successful. Contractors have purchased nearly 10,000 permits in less than two years of operation. The program initially consisted of six partner jurisdictions in the Portland metropolitan area. As of today, 15 jurisdictions, including several in other regions in the state such as Eugene, Medford, Corvallis, and Cannon Beach, have joined the pilot. Ten other jurisdictions are in the process of joining within the next several months, including building departments in Southern and Central Oregon.

The new program envisioned in the legislation expands the services currently provided by the pilot. Some of the services anticipated include electronic plan submittal and review, permit purchase and tracking, and inspection scheduling and tracking. Like the pilot program, the new program will provide "one-stop" access to all participating building departments in the state available any time of the day or night, any day of the week.

The Building Codes Division will establish and administer the program and make it available to local governments; the program is funded by a 4 percent surcharge on all permits. Since the expanded program would be available to jurisdictions on a voluntary basis, jurisdictions that have systems would be encouraged to interoperate with the state program or add features that it may not currently provide. As part of approving our plan to implement e-permitting, the legislature has asked us to report back on our partnering efforts with industry and local government.

It was clear from testimony that our e-permitting pilot project has already demonstrated that it benefits the state as well as the construction industry and local government. E-permitting speeds the construction permitting process, enhances the state's competitiveness by making it easier to do business, and contributes to the state's sustainability

and environmental goals of reducing fuel consumption, traffic, and emissions by requiring fewer trips to building departments. In times of emergency, the statewide program will provide a central repository of property location and information on building department services provided by local governments, and data on existing buildings and in-process construction to accelerate recovery.

### **One-stop services**

For construction industry customers, 24-hour, one-stop building department service availability from the customer's home, office, or job site is not only convenient, but also saves travel and waiting times. The new statewide program will help standardize building department processes and help take the guesswork out of requirements, allowing designers and contractors to expect consistent and predictable permitting, inspection, and plan review services from participating jurisdictions.

While the pilot program has allowed for faster, inexpensive delivery of services and the ability to offer e-pay services through a secure, state-sponsored site, local jurisdictions participating in the pilot have also noted that it's easy for staff members to process the e-permits, allowing them to serve more customers. The statewide program will give local building departments additional tools to track construction and permit activity from plan review through final sign-off. Revenue is collected locally, and the jurisdiction controls its data. Beginning Jan. 1, 2008, a surcharge of 4 percent will be added to each building permit.

As a key regulatory streamlining proposal, HB 2405 was included in a package of more than 31 business-friendly initiatives aimed at making it easier and less expensive for businesses to understand and to meet state regulations without reducing standards and protections. As the construction and design industries continue to make substantial contributions to the state's economic health, we will continue to work with our partners and stakeholders to keep pace and advance the news that Oregon is open for business. ■

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# Prison project rings up cost savings for Oregonians



## *State agencies team up to save construction dollars on Deer Ridge Prison in Madras*

Before the first backhoe plows the foundation, putting a building together takes more than funding and a set of plans. Often it takes solving a series of seemingly unsolvable problems to ensure that the structure meets local and state regulations.

When state Department of Corrections' officials sited the Deer Ridge minimum- and medium-security facilities in Madras, they turned to trusted consultants from the state Building Codes Division to help them resolve issues and meet state code standards throughout the design, plan review, and construction phases of the project.

Responsible for the adoption, interpretation, and administration of the statewide building code, Building Codes staff members provide expert code information, training, dispute resolution, and other services to help the construction industry comply with state building codes. It was precisely this expertise that had a "huge impact" on the Deer Ridge project, according to Doug Young, DOC new prison construction administrator.

"BCD's vast knowledge of the building codes and how to comply helped us find better, more cost-effective, and faster ways to build our facilities, while helping to ensure that the buildings meet code safety standards," he said.

BCD has a track record of working with Corrections to ensure timely consultation, plan review, and inspections on major prison projects. The division worked with the DOC on three other projects over the past 13 years including the Two Rivers Correctional Institution in Umatilla in 2000, the Coffee Creek Correctional Facility medium- and maximum-security prison in Wilsonville in 2003, and the Warner Creek facility in Lakeview that was completed in 2005.

### **Deer Ridge Facts**

The Deer Ridge Correctional Institution will be a men's prison with 644 minimum-security beds and 1,240 medium-security beds.

### **Timeline**

Completion of the minimum-security facility is scheduled for this spring with inmates arriving to the facility in September 2007. Completion of the medium-security facility is scheduled for November 2007 with inmates arriving in February 2008.

### **Employment**

Upon completion, the facility is expected to employ between 400 and 500 people, with an estimated annual payroll of \$22 million.

### **Size**

The facility is located about three miles east of Madras. The department owns 453 acres, and about 200 acres will be used for the facility. The minimum-security facility is approximately 185,000 square feet, and the medium-security facility is approximately 400,000 square feet.

### **Cost**

The total project cost is estimated to be \$190 million, which includes construction, studies, design, property and easement purchases, and infrastructure improvements for public services. ■

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# Lake Oswego, Cannon Beach, and Corvallis join state's e-permitting site



Contractors throughout Oregon can now save time, miles, and construction delays by obtaining permits online. The Building Codes Division's one-stop e-permitting Web site, [www.buildingpermits.Oregon.gov](http://www.buildingpermits.Oregon.gov), allows contractors to apply and pay for permits from home, the office, or even the job site.

The City of Cannon Beach became the first north coast jurisdiction to offer mechanical and plumbing permits through the site in February. Lake Oswego joined the site in March, and Corvallis and Marion County joined in April offering over-the-counter electrical, mechanical, and plumbing permits.

These four jurisdictions join 11 other building departments across Oregon that are partnering with the state to offer online permitting. Both the participating jurisdictions and contractors praise the e-permitting program. City and county building officials enjoy providing enhanced customer service, and contractors report that the site saves them time and the hassle of faxing forms and driving to the permit office.

"We're very pleased that we have another service to offer area contractors," said Tim Lindsey, Cannon Beach building official. "E-permitting will save our customers valuable time and money, as well as city staff time spent processing permits. It is our hope that other coastal communities will soon join us in offering contractors one-stop permit shopping for any location on the north coast."

Mike Cliburn, Lake Oswego's interim building official, and Dan Carlson, Corvallis building official, also said they are pleased to be able to offer the multi-jurisdictional permitting services.

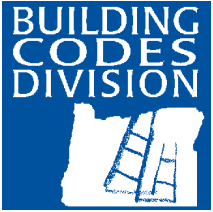
"Our customers have been asking for this service," Cliburn said. "This saves our customers from traveling from building department to building department to buy simple permits."

The e-permitting program is part of Gov. Kulongoski's regulatory streamlining initiative. House Bill 2405, introduced at the request of the governor this legislative session, expands the existing pilot program to create the nation's first comprehensive statewide e-building program to allow contractors to conduct more building department activities, such as receiving plan approval and scheduling inspections, online, morning, noon, and night, with any city or county in the state.

Other building departments that are participating in [www.buildingpermits.Oregon.gov](http://www.buildingpermits.Oregon.gov) include seven jurisdictions in the Portland metropolitan area, three in Lane County, and the City of Medford. Salem, Yamhill and Jefferson counties, Redmond, Newberg, and Woodburn are just a few of the jurisdictions that are in the process of joining.

"We are looking forward to more area building departments joining the site to maximize the convenience to our customers," said Warren Jackson, Marion County building official. ■

# Navigating through Oregon's new structural code



On April 1, Oregon adopted the *2007 Oregon Structural Specialty Code (OSSC)*, which is based on the *2006 International Building Code (IBC)* and includes Oregon amendments.

The new code is available in stores already and, for the first time, will soon be available in a read-only format online for our customers' convenience. As with every code cycle, there are some new provisions, some of the provisions have changed, and others have been relocated within the body of the code.

Some of the new provisions of the 2007 edition of the OSSC include:

- requirements for child play structures located in covered mall buildings
- reduction in occupant load allowed for single exits to serve day care uses
- an exception for floor drains in certain aircraft hangars
- reduction in threshold for requiring sprinklers in A-2 Occupancies
- guard requirements when the roof access is within 10 feet of the roof edge
- an exception for private, single user bathrooms to be adaptable, and
- a new exception for certain vertical exit enclosures or pressurized stairways to exit through areas on the ground floor

In addition to the new provisions, you will find that the incidental use and occupancy separation tables have been moved from Chapter 3 to Chapter 5. In the 2007 edition, Chapter 3 contains use and occupancy classification provisions only. All of the provisions with regard to building height, area, and separation including separated, non-separated, and incidental mixed uses have been relocated to Chapter 5.

This edition of the OSSC is in an integrated format, meaning that there are no "yellow pages" containing the Oregon amendments that need to be inserted. Oregon amendments are identified by double bars in the column, just as in previous editions of the code.

For information about ordering code books, please visit the following link, found on the Building Codes Division Web site: <http://www.bcd.oregon.gov/codestandards.html#st>.

If you have any questions about the information in this article or the code adoption process, please contact Shane Sumption at (503) 378-4635 or send e-mail to [shane.r.sumption@state.or.us](mailto:shane.r.sumption@state.or.us). ■

# Plan review requirements



New rules, effective in October 2006, specify when a building department can require plumbing plan review. This new approach is the result of legislation from the 2005 legislative session. The following provides contractors and local jurisdictions guidelines for the new rules.

## General requirements

Jurisdictions may require plan review only for plumbing systems defined as “complex.”

## Definition of “complex”

Under OAR 918-780-0040, a “complex structure” is defined as a plumbing system designed, constructed, or reconstructed to accommodate any of the following:

- Installation or alteration of a medical gas and vacuum system in a health care facility.
- Installation or alteration of a chemical drain, waste, and vent system.
- Installation or alteration of a sewer wastewater pretreatment system.
- Installation of a vacuum drainage, waste, and vent system.
- Installation or alteration of a reclaimed wastewater system.
- Installation of a commercial potable water pressure booster pump system for water supplied by a municipality.
- Installation of a plumbing system requiring a building water service line with an interior diameter of two inches or larger.
- Installation of a residential multi-purpose fire sprinkler system.

## Exemptions from complex systems definition

- Two-inch systems designed and stamped by licensed engineers are exempt.

## What jurisdictions may require for a plumbing plan review

- Submission of complete specifications, piping layout, and fixture location drawings of the proposed system or alteration, before a plumbing permit is issued, to ensure that the work conforms to the Oregon Plumbing Specialty Code.
- Information on fat, oil, or grease equipment necessary to verify compliance with local and state code requirements for non-complex systems. However, the existence of grease-processing equipment alone does not create a “complex structure” as intended by the rule.
- When multiple buildings on one job site have plumbing systems that are “materially alike,” only one plumbing plan review is allowed if the plumbing permits for all structures on the site are obtained within a “reasonable time” (e.g. the same plumbing code cycle).

## Plumbing plan review may be requested

In jurisdictions that provide plumbing plan review services, a person may voluntarily request a plan review for any plumbing system that is non-complex.

## Local jurisdictions may request plans to review connections

Nothing in the new rule prevents a jurisdiction from requesting plumbing plans and necessary information to review exterior connections to utilities or storm water treatment systems. The local jurisdiction may charge a fee for this service.

## Contacts

Please contact your local jurisdiction at <http://bcd.oregon.gov/jurisdictions/ci/ad/index.html> or Terry Swisher, chief plumbing inspector, at (503) 373-7488, or send e-mail to [terry.l.swisher@state.or.us](mailto:terry.l.swisher@state.or.us). ■

# Code adoption update



## Manufactured Dwelling and Parks Code

In a few months, the code adoption process for the Oregon Manufactured Dwelling and Parks Specialty Code will be in full swing. At the January meeting of the Manufactured Dwelling and Parks board, the Building Codes Division alerted members and stakeholders that it will accept proposed code amendments to the 2002 Oregon Manufactured Dwelling and Parks Code from June 15 to Aug. 1, 2007.

**Contact:** Rich Baumann, policy analyst, at (503) 373-7559 or send e-mail to [Richard.j.baumann@state.or.us](mailto:Richard.j.baumann@state.or.us).

## 2008 Oregon Residential Specialty Code and the 2008 Oregon Plumbing Specialty Code

On April 2, the division closed the acceptance period for code amendment proposals for both the Oregon Residential Specialty Code and Oregon Plumbing Specialty Code. Review committees began their work in May. Code proposals will be posted on the division's Web site.

## Oregon Residential Specialty Code

The division is updating the ORSC with the recently published 2006 International Residential Code with Oregon amendments. The current 2005 edition of the ORSC is based on the 2003 International Residential Code (IRC) with Oregon amendments.

**Contact:** Richard Rogers, structural program chief, at (503) 378-4472 or send e-mail to [Richard.Rogers@state.or.us](mailto:Richard.Rogers@state.or.us).

## Oregon Plumbing Specialty Code

The Oregon Plumbing Specialty Code will be updated with the 2006 version of the Uniform Plumbing Code. Oregon's current plumbing code is based on the 2003 UPC with Oregon amendments.

**Contact:** Terry Swisher, chief plumbing inspector, at (503) 373-7488 or send e-mail to [Terry.L.swisher@state.or.us](mailto:Terry.L.swisher@state.or.us). ■

### Timetable

Feb. 15 — April 2, 2007	Accepting proposed code amendments-ORSC, OPSC
June 15 — Aug. 1, 2007	Accepting proposed code amendments-MDPSC
Late spring — Aug. 2007	Code Review Committees meet-ORSC, OPSC, MDPSC
Sept. 2007	Board reviews
Oct. 2007	Rules hearings
Oct. — Dec. 2007	Publication and finalization of the codes
Jan. 15, 2008	Codes available to the public
April 1, 2008	Effective date of the 2008 OPSC, ORSC, and MDPSC

# BCD files permanent rules



## Adoption of 2007 Oregon Structural and Mechanical Specialty Codes

**Effective date:** April 1, 2007

**Purpose:** These rules adopt two new building codes, the 2007 Oregon Structural Specialty Code (OSSC) and the 2007 Oregon Mechanical Specialty Code (OMSC).

**Highlights:** The 2007 OSSC is based on the 2006 International Building Code with Oregon amendments. It includes Appendix N from the 2005 Oregon Residential Specialty Code (ORSC), which covers apartment structures. The 2007 OMSC updates the 2004 OMSC with the 2006 International Mechanical Code and Oregon amendments and includes the 2006 International Fuel Gas Code as an appendix.

**Citation:** Amends OAR 918-440-0010, 918-460-0010, 918-460-0015, and 918-480-0010.

**Contact:** OSSC: Richard Rogers, [richard.rogers@state.or.us](mailto:richard.rogers@state.or.us) or (503) 378-4472; OMSC: Michael D. Ewert, [mike.d.ewert@state.or.us](mailto:mike.d.ewert@state.or.us) or (503) 373-7529

## Supervising electrician examination retake waiting period rule

**Effective date:** April 1, 2007

**Purpose:** This rule reduces the exam retake period from 90 days to 30 days for licensing applicants who fail the general supervising or limited supervising electrician exam.

**Citation:** Amends OAR 918-030-0060.

**Contact:** Dennis Clements, chief electrical inspector, [dennis.l.clements@state.or.us](mailto:dennis.l.clements@state.or.us) or (503) 378-4459

## “Immediate family” definition rules

**Effective date:** April 1, 2007

**Purpose:** These rules clarify who qualifies for the “immediate family” exemption from electrical licensing requirements under ORS 479.540(1) for electrical installations on an owner’s residential or farm property.

**Highlights:** These rules define the term “domestic partner” and amend the definition of “immediate family” to include an owner’s spouse or domestic partner for purposes of the electrical licensing exemption in ORS 479.540(1).

**Citation:** Amends OAR 918-251-0090 and 918-261-0040.

**Contact:** Celina Patterson, hearing officer, [Celina.r.patterson@state.or.us](mailto:Celina.r.patterson@state.or.us) or (503) 373-0855

## BCD contractor license rules

**Effective date:** April 1, 2007.

**Purpose:** These rules standardize contractor licensing procedures in the boiler, electrical, elevator, and plumbing program areas.

**Highlights:** These rules:

- Clarify BCD contractor license prerequisites to require the verification of a current Construction Contractors Board (CCB) license when applying to the division for a new contractor’s license or for license renewal; and
- Clarify the division’s or the appropriate board’s ability to suspend, revoke, or refuse to renew a division-issued contractor license if a licensee fails to maintain a CCB license.

**Citation:** Adopts OAR 918-030-0015. Amends OAR 918-225-0700.

**Contact:** Celina Patterson, policy analyst, [celina.r.patterson@state.or.us](mailto:celina.r.patterson@state.or.us), or (503) 373-0855

## Oregon Boiler and Pressure Vessel Specialty Code 2006 addenda rules

**Effective date:** Jan. 1, 2007

**Purpose:** These rules adopt [special interim code amendments](#) to the 2004 Oregon Boiler and Pressure Vessel Specialty Code.

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**Highlights:** These rules adopt the following amendments that were published by The American Society of Mechanical Engineers (“ASME”) in July 2006:

Section IV: Rules for Construction of Heating Boilers.

Section V: Nondestructive Examination.

Section VI: Recommended Rules for the Care and Operation of Heating Boilers.

Section VII: Recommended Guidelines for the Care of Power Boilers.

Section VIII: Divisions 1, 2 and 3, Rules for Construction of Pressure Vessels.

Section IX: Qualification Standard for Welding and Brazing Procedures, Welders, Brazers, and Welding and Brazing Operators.

Section X: Fiber-Reinforced Plastic Pressure Vessels

**Citation:** Amends OAR 918-225-0430.  
Adopts OAR 918-225-0435.

**Contact:** Mike Graham, chief boiler inspector, [mike.d.graham@state.or.us](mailto:mike.d.graham@state.or.us), or (503) 559-0843

### **Boiler inspection frequency rules**

**Effective date:** Jan. 1, 2007

**Purpose:** These rules adjust certain boiler and pressure vessel inspection requirements based on life/safety criteria.

**Highlights:**

*Phase One:* Effective March 1, 2007

*Internal inspections* of hot water supply and hot water are required every six years, instead of every two years.

*External inspections* remain on a two-year interval.

*Phase Two:* Effective Sept. 1, 2007

Air tanks that are not located in places of public assembly, are less than 20 cubic feet in volume, and operated at gauge pressures of less than 200 pounds per square inch must be inspected externally every six years, rather than every five years.

**Citation:** Amends OAR 918-225-0570.

**Contact:** Mike Graham, chief boiler inspector, [mike.d.graham@state.or.us](mailto:mike.d.graham@state.or.us), or (503) 559-0843

### **Inspector Certification Rules**

**Effective date:** Jan. 1, 2007

**Purpose:** These housekeeping rules complete the phase-in of International Code Council (ICC) certifications by removing references to training and transition rules.

**Highlights:** In-training and transition application periods for most Oregon Code Certifications (OCC) were eliminated. Plumber inspector in-training program references remain in the rules.

**Citations:** Amends: 918-098-1000, 918-098-1320, 918-098-1325, 918-281-0020, 918-098-1030, 918-098-1305, 918-098-1330, 918-695-0400, 918-098-1005, 918-098-1310, 918-098-1440, 918-098-1010, 918-098-1315, 918-098-1620, 918-098-1025, 918-098-1450, 918-098-1630

Repeals: 918-098-1040, 918-098-1060, 918-098-1200, 918-098-1042, 918-098-1065, 918-098-1205, 918-098-1045, 918-098-1070, 918-098-1220, 918-098-1050, 918-098-1075, 918-098-1400, 918-098-1055, 918-098-1085

**Contact:** Twyla Knowles, assistant manager, Policy and Technical Services, [twyla.j.knowles@state.or.us](mailto:twyla.j.knowles@state.or.us) or (503) 378-5217. ■

# Interpretations and alternate method rulings



BCD issues code interpretations, site-specific interpretations, and alternate method rulings to clarify code requirements and to help ensure the consistent application of code throughout Oregon. A complete listing of code interpretations is available on the division's Web site by going to "Interpretations" from the home page.

During this quarter the division issued the following interpretations of the 2004 Oregon Structural Specialty Code.

## Continuity of Vertical Exit Enclosures

**Code Section:** 1019.1, Exception 8

**Code Edition:** 2004 Oregon Structural Specialty Code

**Date:** March 2, 2007

### Question

Is it the intent of OSSC 1019.1, Exception 8 to allow one or more stories of unenclosed stairways to disrupt the exit continuity of a vertical exit enclosure in a building of three or more stories?

### Answer

No.

### Analysis

Exception 8 is only applicable to 50 percent of egress stairs where at least two means of egress are provided from both floors served by the unenclosed stairways. The following analysis is specific to the same.

The application of OSSC 1019.1, Exception 8 is limited to "egress stairways serving one adjacent floor." In short, it can only be applied to either a two-story building or at the uppermost two floors of a vertical exit enclosure in a multi-story building. OSSC 1017.1 also stipulates that once a given level of exit protection is achieved in a required means of egress (as provided in an exit enclosure), such level of protection cannot be reduced until arrival at the exit discharge. Another code section, OSSC 1018.3, states: "Exits shall be continu-

ous from the point of entry into the exit to the exit discharge." In that "exit enclosures" are considered "exits" per the definition in OSSC 1002, it is inappropriate to allow the enclosure to terminate in a location other than those specified in code.

Contact: Richard S. Rogers, structural program chief, (503) 378-4472, [richard.rogers@state.or.us](mailto:richard.rogers@state.or.us)

## Use of rescue assistance areas on the ground floor

**Code Section:** 1107.1

**Code Edition:** 2004 Oregon Structural Specialty Code

**Date:** Feb. 21, 2007

### Question

1. Can an area of rescue assistance be provided to satisfy the accessible means of egress requirements of a building where the first story floor level is greater than 6 inches above grade?
2. If an area of rescue assistance can satisfy the accessible means of egress requirements as noted above and a sprinkler system is installed, is exception 1 to OSSC 1107.1 still applicable?

### Answer

1. Yes; 2. Yes.

### Analysis

To preface this discussion, OSSC 1108.1.1.2 requires at least one accessible public entry in every affected building. In as much, the following analysis is only applicable to other required exits.

OSSC 1107.1 states: "Where a required exit from an occupiable level above or below a level of accessible exit discharge is not accessible, an area of rescue assistance shall be provided on each such level (in a number

equal to that of inaccessible required exits).” The threshold for determining whether or not a “required” exit must be accessible is found in OSSC section 1107.3, which requires that all exits within 6 inches of grade and adjacent to accessible areas be made accessible (ramps, etc.).

It is important to understand the distinction between the “first story floor level” of a building and the term “level of exit discharge” as used in 1107.1. The OSSC defines the exit discharge as the area between the exit (which includes exterior exit stairs) and the public way. In turn, the level of exit discharge is defined as: “The horizontal plane located at the point at which an exit terminates and an exit discharge begins.” Where a required exit is greater than 6 inches above grade, the designer may choose to install exterior exit stairs from the first story floor level to adjacent grade and provide an area of rescue assistance in the building. As noted above, the point at which the exterior exit stairs terminate is by definition the “level of exit discharge.”

In buildings equipped with a sprinkler system, the area of rescue assistance may be eliminated. In such cases, 1107.5 will require directional signs at non-accessible exits to indicate the route to the nearest accessible exit.

### Editorial Note

ORS 447.220 directs the Department of Consumer and Business Services to adopt accessibility guidelines that are consistent with the Americans with Disabilities Act. In keeping with this directive, BCD staff members recently conferred with both the U.S. Access Board (promulgators of the ADA Architectural Guidelines) and the U.S. Department of Justice. Both entities concurred there is no restriction in the ADAAG from providing areas of rescue assistance when the occupiable level is above or below the level of exit discharge.

**Contact:** Shane Sumption, fire, life-safety/ADA specialist, (503) 378-4635, [shane.r.sumption@state.or.us](mailto:shane.r.sumption@state.or.us)

## Expansion of Malls of Type V Construction – Unlimited Area

**Code Section:** Oregon Structural Specialty Code (OSSC) Section 402.6

**Code Edition:** 2004 and 2007 OSSC

**Date:** Jan. 16, 2007

### Question

Section 404.2 of the 1998 Oregon Structural Specialty Code (OSSC) allowed one- and two-level malls to be of unlimited area for any type of construction as long as 60 foot yards were maintained.

Section 402.6 of the 2004 and 2007 OSSC has a similar provision except that the types of construction are limited to Types I, II, III, and IV. Many malls constructed under the 1998 and previous editions of the OSSC were developed in all good faith with the understanding that future expansion with Type V construction (fire rated and non-rated) would be allowed. How are area additions and tenant improvements in malls of unlimited area in Type V construction regulated under the current OSSC?

### Answer

All future additions as well as tenant improvements in existing malls must comply with the types of construction mandated in the current OSSC. In addition, the tenant separation required by section 402.7.2 shall include attic spaces when separating the existing and new portions of the mall.

**Contact:** Richard S. Rogers, structural program chief, [richard.rogers@state.or.us](mailto:richard.rogers@state.or.us), (503) 378-4472

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# Compliance report

The Board of Boiler Rules found the following violations of the Oregon Boiler Safety Laws in January 2007:

CITY	NAME	VIOLATION	PENALTY
Pendleton	Ronald D. Harral Ron's Heating & Air	Installation did not meet minimum safety standards, no boiler/pressure vessel business license, no boiler/pressure vessel individual certification, no boiler/pressure vessel installation permit.....	\$11,000

The Electrical and Elevator Board found the following violations of the Oregon Electrical Safety Laws in January 2007:

CITY	NAME	VIOLATION	PENALTY
Beaverton	Ian Bremner P. Nachtigall	No supervising or journeyman license .....	\$1,000
Beaverton	Ed Preble Accolade Technologies Inc.	Allowed unlicensed individual to make electrical installation, no electrical contractor license, no electrical permit .....	\$3,000
Central Point	Eric A. Keys Eric's Electric Service Inc.	Allowed unlicensed individual to make electrical installation.....	\$3,000
Central Point	Jason T. Keene	No supervising or journeyman license .....	\$3,000
Central Point	Eric A. Keys	As supervising electrician, failed to ensure individuals had proper licenses to make electrical installation.....	\$3,000
Creswell	Brian Way Way To Go Construction LLC	No electrical contractor license, no supervising or journeyman license license, no electrical permit.....	\$3,000
Eugene	Ryan L. Van Leuven	No supervising or journeyman license .....	\$1,000
Eugene	William A. Gray Jr. Bill's Electric	Allowed unlicensed individual to make electrical installation, as supervising electrician, failed to ensure individuals had proper licenses to make electrical installation.....	\$2,000
Eugene	Brian L. Keeling	No supervising or journeyman license .....	\$1,000
Medford	Jeremiah Landers	No electrical permit, no supervising or journeyman license, unsafe installation.....	\$8,000
Pendleton	Ronald D. Harral Ron's Stoves & Spas	No electrical contractor license, no electrical permit, no supervising or journeyman license.....	\$8,000
Philomath	William J. Chilton William Chilton Electric	No electrical contractor license, no electrical permit, no supervising or journeyman license .....	\$3,000

Port Orford.....	Jack L. Lewis.....	No electrical contractor license, no supervising or journeyman license .....	\$1,000
Portland .....	Kevin Williamson .....	No electrical contractor license .....	\$1,000
Portland .....	John F. Warren..... Boiler and Combustion Service Inc.	Allowed unlicensed individual to make electrical installation, making an electrical installation outside the scope of the electrical license held no electrical permit.....	\$3,000
Portland .....	Bobby Cason.....	No electrical contractor license, no electrical permit, no supervising or journeyman license.....	\$3,000
Portland .....	Scott A. Rich .....	No supervising or journeyman licenses .....	\$1,000
Portland .....	Darren L. Lueth .....	No electrical permit, no supervising or journeyman license.....	\$5,000
Salem .....	David Vernon..... Home Service Heating & Cooling Inc.	Allowed unlicensed individual to make electrical installation, no electrical contractor license, no electrical permit .....	\$3,000
Salem .....	Jay Davis..... Jam Handy Co.	No electrical contractor license, no electrical permit, no supervising or journeyman license, unsafe installation .....	\$4,000
Talent.....	Yasem Altunel .....	No supervising or journeyman license .....	\$1,000
Troutdale.....	Ernest W. Singer .....	As supervising electrician, failed to ensure individuals had proper licenses to make electrical installation, failed to ensure permit was pulled .....	\$2,000
Troutdale.....	Christine M. Singer .....	Allowed unlicensed individual to make electrical installation.....	\$1,000

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in January 2007:

CITY	NAME	VIOLATION	PENALTY
Cottage Grove .....	Seth A. Casson .....	No permit .....	\$1,000
	DL Inc.		
Pendleton .....	Ronald D. Harral .....	No permit, violated .....	\$4,000
	Ron's Stoves & Spas	a final order	
Philomath.....	William J. Chilton.....	Violated a final order .....	\$5,000
	William Chilton Electric		
Portland .....	Bobby Cason.....	Violated a final order .....	\$5,000

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# “1% Training” classes focus on code change



The Building Code Division’s 1% Training program works with industry and local government stakeholders to help ensure the best educational offerings for licensed and certified tradespeople and inspectors. The program is financed by a 1 percent surcharge on building permit fees to help defray the costs of providing training. Earlier this year division staff members met with stakeholders and training providers to determine training priorities for 2007, and then requested proposals from training providers. The group identified 15 training priorities that provide an exciting slate of educational opportunities for inspectors, licensees, contractors, designers, and engineers throughout Oregon. Training providers who win contracts will teach the courses in seven regions of the state.

Training priorities this year include courses on code changes, specific topics of interest

in program areas such as Chapter 11 (accessibility), SR appendix and occupancies, wall bracing, grounding and bonding, hydronic piping, and reclaimed water systems to name a few. Also look for courses on green building and solar electrical systems, both emerging technologies that are growing in Oregon.

BCD has approved three courses on the priority list, and they will be available soon. BCD is designing a Web calendar to provide the dates, times, and registration information for the 1% Training classes; it will be available soon and updated regularly.

For more information about the 1% Training program, visit the BCD Web and go to “Education” then “1% Program” or contact Sherri West, training and public affairs coordinator, (503) 378-7509. ■

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## Confirmation of executive appointments



The Board of Boiler Rules (ORS 480.535)

**Bruce Fellows, Portland**

*Owner/operator pressure vessel*

Appointment: unexpired term and a 4-year term

Term: June 28, 2006 – Sept. 30, 2010

**Vincent R. Leedy, Ontario**

*Director of facility services*

Appointment: 4-year term

Term: Jan. 23, 2006 – Jan. 22, 2010

**Anthony Barsotti, Portland**

*Manufacturer/owner of boilers or pressure vessels*

Appointment: unexpired 4-year term

Term: March 1, 2007 – Sept. 30, 2010

The Electrical and Elevator Board (ORS 455.138)

**Dennis Perkins, Salem**

*Electrical inspector*

Appointment: 4-year term

Term: March 1, 2007 – June 30, 2010

**James Fahey, Salem**

*Commercial underwriter*

Appointment: unexpired term and a 4-year term

Term: Dec. 1, 2006 – June 30, 2011 ■

# 2007 BCD board meeting dates

Sun	Mon
1	2
8	9

## ELECTRICAL & ELEVATOR BOARD

Meets on the fourth Thursday of every other month:

- May 24
- July 26
- Sept. 27
- Nov. 29

## BOARD OF BOILER RULES

Meets quarterly on the first Tuesday of the 3rd, 6th, 9th, and 12th months:

- June 5
- Sept. 11
- Dec. 4

## BUILDING CODES STRUCTURES BOARD

Meets quarterly on the first Wednesday of the 2nd, 5th, 8th, and 11th months:

- May 2
- Aug. 1
- Nov. 7

## MECHANICAL BOARD

Meets quarterly on the first Wednesday of the 3rd, 6th, 9th, and 12th months:

- June 6
- Sept. 12
- Dec. 5

## STATE PLUMBING BOARD

Meets on the third Friday of every other month:

- June 15
- Aug. 17
- Oct. 19
- Dec. 14

## MANUFACTURED STRUCTURES & PARKS BOARD

- Sept. 13

## RESIDENTIAL STRUCTURES BOARD

Meets on the first Wednesday of each quarter:

- July 11
- Oct. 3

MEETINGS ARE HELD IN THE BCD CONFERENCE ROOM AT 1535 EDGEWATER ST. NW, SALEM

Meetings begin at 9:30 a.m. Meetings may be canceled or rescheduled.

This calendar reflects adjustments to the regular meeting schedule to accommodate for holidays.

All board information is posted on the BCD Web site: [www.bcd.oregon.gov/boards.html](http://www.bcd.oregon.gov/boards.html).



## Electrical program

### Snap switch with non-conductive yoke

**No:** EL 07-01

**Code Section:** 404.9(B)

**Code Edition:** NFPA 70, 2005 National Electrical Code

**Date:** March 22, 2007

**Requested by:** Cheetah USA

### Background

Current language in article 404.9(B) reads in part, "Snap switches ... shall be effectively grounded, and shall provide a means to ground metal faceplates, whether or not a metal faceplate is installed."

Cheetah USA proposes an alternate method of installing its patent-pending, proprietary assembly of snap switches. This integral system of box, device, and plate has no conductive part to ground, and is not interchangeable with any other electrical products.

The Cheetah product is Electrical Testing Laboratory (ETL) certified. This alternate method recognizes that since the device yoke is not conductive, there is no need to attach a grounding conductor, just to meet the requirement of code section 404.9(B).

### Advisory Board

The Electrical and Elevator Board was consulted. The board approved the technical and scientific facts pertinent to the use of this alternate installation method.

### Division Ruling

The snap switch assembly developed by Cheetah USA and certified by ETL may be used without the attachment of a grounding conductor as an alternate method to NEC code section 404.9(B). Provisions of 250.148 must be met.

**Contact:** Dennis Clements, chief electrical inspector, [Dennis.I.clements@state.or.us](mailto:Dennis.I.clements@state.or.us), (503) 378-4459



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