

CODE LINK

STATE OF OREGON • BUILDING CODES DIVISION

JULY /AUGUST 2003

State plumbing license examination information

By Terry Swisher, chief plumbing inspector



In a nutshell, to become a licensed journeyman plumber in Oregon, you need to have completed an approved Oregon plumbing apprenticeship OR you need to satisfy equivalent requirements with a combination of experience and classroom training. Beyond that, there are applications and testing, which this article can help you through, and, of course, fees to pay.

Although licensure can be complicated, we at Building Codes Division want to help qualified plumbers get their Oregon licenses and get to work as quickly as possible. It pays to be prepared. So, if you are planning to become licensed as a plumber in Oregon, please review this article.

The plumbing-examination application

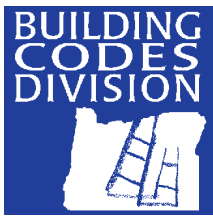
To become a licensed journeyman or limited specialty plumber in Oregon, you must submit a plumbing-examination application, Form 440-2571 with verification of your plumbing experience and training. Photocopies of this form are not acceptable. Exam applications are available on BCD's Web site, www.oregon.bcd.org. Click on "Forms" in the left-hand column, then "Plumbing Program,"

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New, improved plumbing code interpretations

By Homer Humelbaugh, assistant chief plumbing inspector



The Building Codes Division Plumbing Interpretation Committee has been meeting for the past year to answer questions pertaining to the Oregon State Plumbing Specialty Code.

Once the committee formulates interpretations, the interpretations are forwarded to the State Plumbing Board for review, after which they become formal statewide interpretations. Interpretations are posted on our Web site, www.oregonbcd.org; when you go to the BCD Web site, click on “interpretations,” then plumbing, and you will find them listed by relevant code section with brief descriptions. Posting interpretations to our Web site allows inspectors and plumbers statewide to review the Interpretation Committee’s answers to code questions. The goal of the process is to create more consistent application of plumbing code throughout the state.

Anyone may submit a plumbing-code-interpretation request. The interpretation request form is also on the division Web site, under “plumbing program,” “miscellaneous.” ■

State Plumbing Code Interpretations Committee members:

Jim Belisle, Plumbing inspector Linn County

John Dodson, Plumbing inspector ... Deschutes County

John Mellin, Plumbing contractor Newport

Dave Hammerquist, Plumbing contractor Corvallis

Steve August, Journeyman plumber Tigard

Jonathan Gray, Plumbing engineer Portland

Terry Swisher, Chief plumbing inspector ... BCD

Clarification of manufactured dwelling installation inspection requirements

By Larry Iverson, chief, *Manufactured Structures and Parks*



Requirements for inspection of manufactured-dwelling installations by jurisdictions are found in the *2002 Manufactured Dwelling and Park Specialty Code*, Chapter 1. Section 1-8, Inspections, requires the jurisdiction to inspect all work for which a permit is required. The types of inspection follow:

Site inspection

This is an optional inspection, (Sections 1-8.13.1 (a) and 1-8.13.2 (a)) which may be requested by an installer or jurisdictional authority.

Set-up inspection

Required. (See Section 1-8.13.2 (b)) Must include inspection of the marriage line at floor,

wall, and roof connections and all plumbing, mechanical, fuel gas, and electrical crossover connections. The inspector must observe the underfloor and roof areas of the manufactured dwelling.

Final inspection

Required. (Described in Section 1-8.13.2 (c)) Must include inspector verification that electrical and mechanical crossover connections have been properly installed and tested and that they continue to function as intended. May require inspector to observe underfloor of manufactured dwelling. ■



then “2571,” which takes you to the form you need, Plumbing License Examination/Reciprocity Application. You can also request this form from the division by phone, mail, or fax. When you submit the exam application to BCD (by mail or in person), you have to pay an application processing/exam fee. The application processing/exam fee is \$65 for a journeyman plumbing license and \$125 for a limited specialty plumbing license.

Documenting your plumbing training and experience

Every Oregon applicant for licensure must provide notarized verification of plumbing experience and training by submitting at least two experience-verification forms, which are included in the application. Letters of experience verification from current or former employers are not required; however, should you submit them, such letters must be on the letterhead of the licensed plumbing business for which you worked, signed by the owner, with the exact dates of the your employment and a description of your plumbing experience (Examples: residential remodeling, commercial new construction, maintenance, etc.) Experience-verification forms should include the duration of the applicant’s experience in each category.

- BCD *cannot* accept the following as plumbing experience: steam and hydronic pipe fitting, drain cleaning, and municipal public water and sewer piping.
- BCD *cannot* accept faxed or photocopied letters. Keep copies of letters for your files.
- BCD *cannot* accept self-verification of work experience.

Experience verification for applicants from outside Oregon: Follow the procedure for Oregon applicants. You must also submit a photocopy of your out-of-state license(s). Any letters that you submit to verify experience must be from journeyman plumbers (or your

state or country’s equivalent) with whom you have worked and who can document and evaluate your experience. Licenses from states deemed “equivalent jurisdictions” by Oregon’s State Plumbing Board may be substituted for letters of verification. Equivalent-jurisdiction states are listed on the exam application. For states not listed as equivalent jurisdictions, letters and experience verification forms are required.

Examination-application review

The chief plumbing inspector or his designee reviews all exam applications. Applications must be approved by BCD before written or practical examinations can be scheduled. For those who bring exam applications to BCD’s office, the office is open Monday through Friday (except for holidays), 8 a.m. to 5 p.m. When submitting an application for review, each applicant must have the following:

- A complete application, signed and dated
- Experience-verification forms (and letters, if you are submitting letters) from employers
- High school diploma or equivalent
- Application fee

Written-examination content

Once your exam application has been approved, you will receive a letter explaining how to schedule your written examination, unless your application was hand-carried and approved on the spot at BCD’s office. Examinations consist of 100 multiple-choice closed-book and 50 multiple-choice open-book questions. A total of four hours is allowed for you to complete the examination.

The closed-book portion of the written examination is administered first. It consists of questions to which you are expected to know the answers without having to go to reference

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materials. The open-book examination measures your ability to locate information in codebooks and other text materials. You are not expected to answer these questions from memory or commit portions of reference materials to memory during your exam preparation. You should be able to use the index, table of contents, or other aids to find

the correct multiple-choice answer. The open-book portion of the examination covers ADA provisions from the Oregon Structural Specialty Code relative to plumbing, applicable OSHA safety standards, Oregon laws, and plumbing codes. Reference materials (except codebooks) are provided for the open-book portion of the written examination.

Requirements for Licensure

ORS 693.050(2) states: "Application for examination for a journeyman plumber's certification of competency shall be accompanied by: (a) Proof satisfactory to the State Plumbing Board that the applicant has had at least four years of general experience as an apprentice plumber or equivalent experience, as determined by the board by rule, in installing, altering or repairing plumbing; and (b) The examination fee provided in ORS 693.135."

The State Plumbing Board adopted a rule with the following equivalency requirements for journeyman plumber certificate-of-competency examination qualifications:

"(2) Equivalency requirements of:

(a) A journeyman plumber certificate of competency or equivalent journeyman plumbing license from a jurisdiction whose standards, qualifications and examinations for licensing or registration are determined by the board to be substantially similar to that of this state. The board keeps an updated list of jurisdictions it has examined and found to be equivalent; or

(b) At least four years training and experience as an apprentice plumber, lawful general plumber, or combination of both meeting the following minimum requirements:

(A) General items: 144 hours of training per year for each of at least four years generally in:

- (i) Materials, Tools, Equipment;
- (ii) Mathematics, Science;
- (iii) Soldering and Brazing;
- (iv) Plumbing and Related Codes;
- (v) Drainage (DWV) Installations;
- (vi) Water Systems, Installations;

(B) Specific items: Subject - Hours:

- (i) Sewerage: Sanitary and Storm Piping, Disposal:
 - (I) Residential - 500
 - (II) Commercial - 500

(ii) Drainage, Waste and Vent Piping (DWV):

- (I) Residential - 1,200
- (II) Commercial - 1,200

(iii) Soldering, Brazing, Welding:

- (I) Residential - 200
- (II) Commercial - 200

(iv) Water: Supply, Services, Mains, Appurtenances:

- (I) Residential - 1,000
- (II) Commercial - 1,000

(v) Fixtures, Appliances, Trim and Supports:

- (I) Residential - 700
- (II) Commercial - 700

(vi) Miscellaneous Plumbing, Piping, Repair and Maintenance:

- (I) Residential - 250
- (II) Commercial - 250

(vii) Total Minimum Subject Hours:

- (I) Residential - 3,850
- (II) Commercial - 3,850

(C) A person with more than the minimum hours in any one specific item category may substitute up to 20 percent of the excess hours to meet the related minimum residential or commercial experience requirements in the same category.



You are expected to bring current codebooks (including Oregon amendments) to use during the examination.

Sample categories of closed-book question topics:

- Cross connections
- Calculations and blueprint reading
- Combination waste and vent systems
- Hangers, supports, and system protection
- Indirect and special waste piping
- Installation techniques
- Plumbing fixtures
- Sanitary drainage systems
- Storm drainage systems
- Traps, interceptors, separators
- Vents/venting
- Water distribution systems
- Job safety, first aid, ADA provisions

Examples of items you may be expected to look up during the open-book portion:

- A specific plumbing-product standard from Table 14-1, Chapter 14, Oregon Plumbing Specialty Code, 2000 Edition
- Information in Chapter 1, Administration, Oregon One- and Two-Family Dwelling Specialty Code, 2003 Edition
- Information from portions of Oregon Revised Statutes, Chapters 447 and 693
- A reference for inspections in Oregon Administrative Rules, Chapter 918, Divisions 690-785
- A safety standard in the Oregon Occupational Safety and Health Code (OR-OSHA) Administrative Rules, Chapter 437, Division 3
- Information about the Americans with Disabilities Act, Chapter 11, Oregon Structural Specialty Code, 2001 Edition

Copies of the Oregon Revised Statutes, Oregon Administrative Rules, OR-OSHA reference materials, and the ADA reference

materials will be provided at the examination site for your use. You may purchase copies of these materials from BCD for \$15. *Codebooks are **not** provided by BCD for examinations.*

Practical examinations

Applicants for journeyman plumbing licenses are required to take a practical examination. You must pass the written examination before your practical examination will be scheduled. All tools and materials are provided at the test site by the division. BCD staff will assign specific projects to build or tasks to perform.

Grading criteria:

- Appearance
- Accuracy and dimension
- Cutting and reaming
- Flux and solder run-through
- Quality of soldered joint

Isometric drawing is required during the practical examination. An overall score of 75 percent is required to pass the practical examination.

At this time, practical exams are given only in Salem at Chemeketa Community College, every Saturday. Applicants receive maps and directions to CCC when exam applications are approved and practical exams are scheduled. Because exam proctors are not set up to issue licenses, you cannot complete the licensing process at the practical-exam site; it must be completed at BCD's office.

After you pass the practical exam, you must provide BCD with a current passport-sized (about two inches square) color photograph of yourself. Be certain that your name (printed) *and* signature (in ink) are securely attached to or written on the back of the photo. Licensing fees are due when you submit your photo: \$120 for a journeyman plumber license, \$125 for a limited specialty plumbing license. *Licensing fees are in addition to the processing/exam fees.*

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Temporary work permits

Temporary work permits are not available for plumbing in Oregon. You must pass your examinations and have a valid license before doing plumbing that requires licensing; violators are subject to civil penalties of up to \$5,000.

Re-examination

An applicant who does not pass an examination may re-take the examination after a 30-day waiting period and payment of another processing/exam fee. Third examinations may be taken after a one-year waiting period.

License by reciprocity agreement

Those who hold valid journeyman plumber licenses in Idaho or Montana qualify for a re-

ciprocal Oregon journeyman plumber license. If you qualify for a reciprocal license, you may bypass testing by completing the application, marking the “reciprocity” box, providing a current passport-sized (about two inches square) color photograph and a clear photocopy of your driver license, plumbing license, and a \$120 licensing fee. ■

Oregon Dept. of Consumer & Business Services

Building Codes Division

1535 Edgewater NW, Salem

P.O. Box 14470

Salem, OR 97309-0404

Phone: (503) 378-2246

Fax: (503) 378-2322

www.oregonbcd.org

Exam locations

Please indicate one location on the front of your application.

Location selection is final at the time of application.

LOCATION	CITY	WHEN
Central Oregon Community College	Bend	Every weekday (By appointment only in summer)
BCD office	Coquille	Every weekday
BCD office	The Dalles	First and third Wednesdays
University of Oregon	Eugene	Second and third Fridays
Oregon Coast Community College	Lincoln City	Every weekday
Treasure Valley Community College	Ontario	By appointment
Blue Mountain Community College	Pendleton	First and third Tuesdays
Mt. Hood Community College	Portland	Every Saturday
Portland Community College	Portland	Monday, Tuesday, Thursday, Friday
Umpqua Community College	Roseburg	First Monday, second Tuesday
Chemeketa Community College	Salem	Second Tuesday (eves.) Fourth Saturday (mornings only; 4-hour practical exams by appointment)



Clackamas
Multnomah
Washington
COUNTIES

A BCD field office, the Tri-County Service Center administers the minor label program and coordinates forms, processes, and application of code for building programs in Clackamas, Multnomah, & Washington counties.

Tri-County Service Center

123 NE 3rd Ave., Ste. 440
Portland, OR 97232-2901
Phone (503) 872-6731
TTY (503) 373-1358
Fax (503) 872-6735
Joan Stevens-Schwenger
..... manager
E-mail Joanie.M.
Stevens-Schwenger@state.or.us

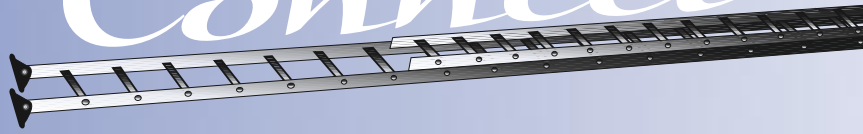


Building Codes Division

Web site www.oregonbcd.org



News *Connect*



A quarterly newsletter for mechanical contractors

April-June 2003

Local 290 Training Center to sponsor May 14 mechanical code forum

The Local 290 Training Center is sponsoring a free forum on mechanical-code questions, 4-7 p.m. Wednesday, May 14, at the Multnomah County Board Room, 501 S.E. Hawthorne, Portland.

AIA members can earn three hours HSW credit for attending, and qualified participants can earn

three hours of code-related continuing-education credit from BCD.

The purpose of the forum is to discuss regional code applications and reach consensus on acceptable standards for the tri-county region. All area mechanical contractors, remodelers, architects, and building-department personnel are invited. ♦

Free training set for contractors, officials

The service center offers free training to contractors and building-department personnel.

Each class provides two hours of code-related credit that may be approved by the building official. Pre-registration is required.

For more information, call Bob Brown, (503) 872-6731.

- T-BAR Ceilings, April 8, 7-9 a.m., Troutdale City Hall, 104 S.E. Kibling St.
- Fire Spray Installation, April 9, 8-10 a.m., Oregon City City Hall, 320 Warner Milne Road
- Interpretive Rulings 94-7 and 94-14, April 15, 8:30-10:30 a.m., Hillsboro City Hall, 123 W. Main St. ♦

Feb. 12 code forum questions and answers

Tri-County building officials have agreed to use the code panel's determinations for inspection standards. If you work in a jurisdiction outside of the tri-county region, please contact the local building official for inspection standards.

Contractors and building-department personnel may send questions for the code panel to Bob.E.Brown@state.or.us or fax them to (503) 872-6735. An answer-request form is on our Web site, www.oregonbcd.org, under "Tri-County" and "Code Forum Program."

Q Commercial-kitchen grease ducts: Duct-wrap products are used as an alternate method to a fire-resistant-rated shaft enclosure. Most jurisdictions accept 3M's one-layer Fire Barrier 15A for this application. One jurisdiction is requiring the use of 3M's two-layer Fire Barrier 20A. Which of these products meets the minimum requirements for the protection of a Type I grease duct?

A Tabled until further information is obtained from ICC.

Q Do you have to insulate vents and intakes on 90-percent furnaces in garages below gypsum-board condensate lines in garage insulate?

A There is no code requirement for the insulation of the vent for a 90-percent-plus furnace. The code requires that you follow the manufacturer's installation instructions. See the Dwelling Code, Section 1307.1, and the Mechanical Specialty Code, Section 304.1. The consensus of the panel is that unconditioned spaces, including garages, are subject to freezing.

Q When will tri-county offer mechanical minor labels?

A The minor-label committee will meet to consider this in June or shortly after the end of the legislative session.

Q Chapter 17 and 18 and Section 1901.2—Factory-made ducts: Is factory-made Class 1 insulate air duct that is listed to UL 181 and

Continued ...



Clackamas
Multnomah
Washington
COUNTIES

News Connect

You can get copies of Tri-County's other code newsletters:

- *News Flash*, electrical
- *News Site*, one- and two-family dwellings
- *News Splash*, plumbing
- *News Line*, commercial builders

Call the Tri-County Service Center, (503) 872-6731 to sign up. You can see current and past issues of the newsletters on the Web site, www.oregonbcd.org. Click on "Tri-County," then on "Code Forum" to find links to each of the code areas.

181A allowed to receive exhaust air from a bathroom exhaust fan?

A Yes, if properly sized.

Q Section 1901: When interior insulation of Class 1 insulated air duct becomes saturated during installation, is it acceptable to cut drain and ventilation openings in the vapor barrier and allow the water to drain and the insulation to dry?

A No. Saturated insulation requires duct replacement.

Q Various manufacturers' installations instructions reference the use of mastics listed to UL 181 for use with Class 1 insulated air duct. Will the use of mastics be required for terminations of Class 1 insulated air duct in one- and two-family dwellings after April 1, 2003?

A Yes, in addition to approved pressure-sensitive tape. Reference M1601.3.1 April 1, 2003. ♦

Questions from previous forums revisited and clarified

Q Can joist bays be used as supply or return ducts or plenums in residential construction? (January-March 2003 *News Connect*)

A The answer should read: The current code (2000 edition) allows the use of joist spaces or wall cavities to be used as ducts or plenums, but the new 2003 Dwelling Code, effective April 1, 2003, will limit the use of these spaces to existing homes being remodeled, repaired, or altered. This practice will no longer be allowed in new-home construction.

Q There is often excessive vertical lift — sometimes more than seven feet — to exhaust a dryer out of a basement in older homes. This can create a fire hazard. Are cleanouts

required on vertical dryer ducting? (October-December 2002 *News Connect*)

A The answer should read: The Dwelling Code does not require cleanouts for vertical dryer exhaust risers. The Oregon Mechanical Specialty Code, however, does. Panel members recommend that all dryer exhausts, whether residential or commercial, have a means for cleaning, such as the transition duct connection at the wall.

Q Can silicone sealant be used to seal the joints in a duct system?

A Yes, if listed for that use. (The question about the silicone sealant was addressed in the January-March 2003 *News Connect*; it will be discussed further with the Office of Energy). ♦

440-2733 (4/03/COM)

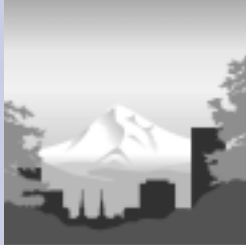
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May-July 2003

Associated General Contractors to sponsor May 22 code forum

A free forum on commercial structural code issues sponsored by AGC takes place Thursday, May 22, 4-7 p.m., at the Multnomah Building, Board Room 100, 501 S.E. Hawthorne, Portland.

AIA members may earn three hours HSW credit for attending, and qualified participants may earn three hours of code-related continuing-education credit from BCD.

The purpose of the forum is to discuss regional code applications and to reach consensus on acceptable standards for the tri-county region. The code panel provides code clarifications and determines common areas of code application.



All questions requiring code interpretation are forwarded to the

appropriate statewide committees through the Building Codes Division. Building departments in the tri-county region have committed to following the guidance of the code panels to advance consistent application of code.

Architects and contractors working outside the tri-county region should consult with their local building departments. ♦

February 20 building code forum Q and A

Tri-county building officials have agreed to use the code panel's determinations for inspection standards. Contractors and building-department personnel may submit questions to the code forum by sending e-mail to bob.e.brown@state.or.us or faxing questions to the center, (503) 872-6735. An answer-request form is available on the BCD Web site, www.oregonbcd.org. Click on "Tri-County" and then "Code Forum Program."

Richard Rogers, acting state structural code chief, began the forum by providing an update on BCD activity. He noted that there are several code interpretations in the works, including interpretations on one- and two-family dwellings and egress emergency lighting.

The Code Review Committee has issued its recommendation for a new structural base code.

Under the current code-adoption process, the next time BCD may receive code proposals is August 1. The division is committed to following the statutory process for the promulgation of building codes for statewide application, including the administrative process for submitting proposed code changes to the Building Codes Structures Board for consideration and recommendation to the administrator.

Q Is the extinguishing system under a Type 1 hood required to be connected to the building alarm system in a fully sprinklered building or a building that has an approved alarm system?

A Yes. The Oregon Mechanical Specialty Code references NFPA 72 3-8.3.2.5.1 as a recognized standard that requires the hood fire-suppression system to be connected to a building alarm or sprinkler system when one of the systems is present. Additionally, NFPA 96 7-6.1 establishes that when a building is not provided with a fire-alarm system or automatic fire-sprinkler system, it must have an audible alarm or visual indicator to show that the automatic fire-extinguishing system has activated. For further information, see NFPA 96 7-6.2.

Q What constitutes a local structural emergency?

A The code does not define local structural emergency. This forum was unable to arrive at a formal definition that encompasses every possible scenario.

Tri-County Service Center

123 NE 3rd Ave., Ste. 440
Portland, OR 97232-2901
Phone (503) 872-6731
TTY (503) 373-1358
Fax (503) 872-6735

Joan Stevens-Schwenger
..... manager
E-mail Joanie.M.
Stevens-Schwenger@state.or.us



Building Codes Division

Web site www.oregonbcd.org



Continued ...



Clackamas
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News *Line*

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Q To what extent can an engineer supervise a project without first securing a building permit?

A There is a code-change submittal under review by the Building Codes Structures Board relating to emergency replacement and repair.

Q Is there clear guidance on when plan submittals or permits are required for minor alterations and equipment installations?

A Permits are required for all work regulated by the code, except as exempted by OSSC Section 106. See OSSC Section 106.3.2 for plan-submittal

requirements that allow the building official to waive submission of plans if the work does not require plan review for compliance.

Q If you have a cross-hallway door, do the spaces between the doors constitute additional intervening rooms?

A Yes. See OSSC Section 1004.3.3 (hallways), and OSCC Section 1004.3.4 (corridors). See also OSSC Section 1004.2.2 for travel through intervening rooms. ♦

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Each class provides two hours of code-related credit that may be approved by the building official. Pre-registration is required.

For more information, call Bob Brown, (503) 872-6731, or send e-mail to bob.e.brown@state.or.us.

- Mold Issues, May 13, 7-9 a.m., Troutdale City Hall, 104 E. Kibling St.
- Mold Issues, May 14, 9-11 a.m., West Linn City Council Chambers, 22500 Salamo Road
- Interpretive Rulings 94-7 and 94-14, May 19, 7:30-9:30 a.m., Happy Valley City Hall, 12915 S.E. King Road ♦

Structural-code information available on line

You can find more information about structural-code issues on BCD's Web site, www.oregonbcd.org. Click on "Code programs," then click on "Structural Program."

Here you'll find code interpretations, a catalog of tri-county code-forum questions and answers, and Structures Board agendas and minutes. ♦

440-2736 (4/03/COM)

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Compliance report

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in December 2002:

CITY	NAME	VIOLATION	PENALTY
Englewood	Len Richter Cisco Custom Instrumentation Services Corporation	No permit	\$250
Longview, WA	Dan Evans J.H. Kelly LLC	Violated final order	\$2,500

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in January 2003:

CITY	NAME	VIOLATION	PENALTY
Central Point	Stephen D. Tallant Sun Country Construction and Development Inc.	Violated final order	\$15,000
Hillsboro	Jerry Fisk Funtime R.V. Inc.	Sale of RV with no Oregon insignia of compliance (7 violations)	\$7,000
Houston, TX	Ken R. Dale New Technology Electrical Contractors, Inc.	Violated final order	\$750
Portland	Johnny Ephrem Quality RV Sales	Sale of RV with no Oregon insignia of compliance (8 violations)	\$8,000
Portland	Brandon Johnson Johnson R.V. Sales	Sale of RV with no Oregon insignia of compliance (7 violations)	\$7,000
Prineville	Russell Brown 2RB Construction Inc. dba Valu Fencing & Decking	Violated final order	\$15,000
Riddle	Daniel K. Johnson Ajax Septic Service, Inc.	Violated final order	\$5,000

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in February 2003:

CITY	NAME	VIOLATION	PENALTY
Milton Freewater	Robert Humbert, Bob Humbert & Son Inc.	Employed an unlicensed individual	\$250

The Electrical and Elevator Board found the following violations of the Oregon Electrical Safety Laws in February 2003:

CITY	NAME	VIOLATION	PENALTY
Adrian	Dennis D. Daugherty Riverside, Inc.	No electrical permit	\$1,000

Aloha	Shawn Snyder	No supervising or journeyman license	\$1,000
Aloha	Stephen Huegli	Failed to comply with continuing-education requirements	\$100
Beaverton	Duane Eric Reamer	No electrical contractor license/no electrical permit/ no supervising or journeyman license	\$2,500
Beaverton	Leonard R. Sharpe Sharpe Electric, Inc.	No electrical permit	\$1,000
Beaverton	William W. Oliver Jr. Olivers Pre Electric Company	No electrical permit	\$1,000
Beaverton	Frank E. Pausz Bee Electric Service	Allowed unlicensed individual to make electrical installation/ no electrical permit	\$8,000
Clackamas	Randy Heinsohn	Allowed unlicensed individual to make electrical installation/ no electrical permit	\$2,000
Crescent Lake	Jim Kielblock	No electrical permit/no supervising or journeyman license	\$2,000
Eugene	John Brumback	As supervising electrician, failed to ensure that permit was obtained	\$1,000
Eugene	Melissa F. Hunter Hunter House, Inc.	No electrical contractor license/no electrical permit	\$2,000
Hermiston	Clay V. Haynes Rhino Electric, Inc.	No electrical permit (3 violations)	\$6,000
Hillsboro	Hurshel Haley Hurshel Haley's Pump Service	No electrical permit/ interfering with duties of an inspector	\$2,000
Hood River	Arthur Wallace Colyer	No supervising or journeyman license	\$1,000
Houston, TX	Ken R. Dale New Technology Electrical Contractors, Inc.	No electrical permit	\$2,000
LaPine	Mike Marable	No supervising or journeyman license	\$1,000
Mount Hood Parkdale	Karen Joplin Gorge Electric Inc.	Allowed unlicensed individual to make electrical installation	\$1,000
North Plains	Richard A. Krueger, Krueger's Associated Landscape and Supply Inc.	No electrical permit	\$1,000
Oakland	Stu Hawkins	Failure to make corrections/ no electrical permit	\$1,500
Oroville, CA	Richard Allen Rider	Failed to comply with continuing-education requirements	\$100

Philomath	Dan McCabe	As supervising electrician, failed to ensure that permit was obtained	\$1,000
Philomath	Dan McCabe SGE Corporation	No electrical permit	\$1,000
Portland	Earl Rickards Electronic Security Detection Systems Inc.	No electrical permit	\$1,000
Portland	Kelly L. Dohn	Voluntary surrender of electrical license	\$0
Portland	James P. Mahin Four Seasons Heating & Air Conditioning Services, Inc.	No electrical permit	\$2,000
Portland	Brent D. Jacobs Jacobs Heating & Air Conditioning Inc.	No electrical permit	\$1,000
Portland	Michael Rizzo Lyon Financial Services, Inc.	Selling uncertified electrical product	\$1,000
Portland	West Side Electric Company Incorporated	No electrical permit	\$2,000
Rainier	Magar E. Magar Riverwood Mobile Home Park	No electrical permit	\$250
Riddle	Daniel K. Johnson Ajax Septic Service, Inc.	Allowed unlicensed individual to make electrical installation/ no electrical contractor license/ no electrical permit	\$3,000
Roseburg	Michael L. Madson Pioneer C.M., Inc.	No electrical permit	\$1,000
Roseburg	Jeff Long	No electrical contractor license/no electrical permit/ no supervising or journeyman license	\$3,000
Rufus	John Holliday	No electrical supervising, journeyman, or limited residential license	
Sandy	Corey Pritchett	No electrical contractor license/no electrical permit/ unsafe installation	\$12,000
Sherwood	Jody R. Cook Plugs & Switches, Inc.	No electrical permit	\$1,000
Sutherlin	Robert K. Yancey	No electrical contractor license/no electrical permit	\$2,000
Tualatin	Catherine Marie Walker Walker Industries, Inc.	No electrical permit	\$1,000
Ukiah	Daniel Vincent Dan's Ukiah Service	No electrical permit/no supervising or journeyman license	\$2,000
Union	Archie L. Barclay Pacific NW Sales & Service, Inc.	No electrical contractor license/no electrical permit	\$2,000

Vancouver, WA	Donald LaValley LaValley Corporation	Allowed unlicensed individual to make electrical installation	\$3,000
Warrenton	Carina Munoz-Tussing Precision Heating and Cooling, Inc.	No electrical contractor license/no electrical permit	\$2,000
Warrenton	Terry Myers	As supervising electrician, failed to ensure that permit was obtained	\$1,000
White Salmon, WA	Todd Clay	As supervising electrician, failed to ensure that individuals had proper licenses to make electrical installation	\$1,000
Wilsonville	Michael J. Overfield	As supervising electrician, failed to ensure that permit was obtained	\$2,000
Wilsonville	Michael J. Overfield Tualatin Electric, Inc.	No electrical permit	\$4,000
Yamhill	Mark J. Pendergrass Pendy's Electric, Inc.	No electrical permit	\$1,000

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in February 2003:

CITY	NAME	VIOLATION	PENALTY
Hood River	Walter A. Nance	No manufactured- dwelling-installer license	\$1,000
Salem	Damon Jensen	Aiding or abetting another to engage in activity requiring a permit or license	\$1,000

The Board of Boiler Rules found the following violations of the Oregon Boiler Safety Laws in March 2003:

CITY	NAME	VIOLATION	PENALTY
Albany	Dave Evans Oregon Industrial Contractors, Inc.	No installation permit (2 violations)	\$2,000
Bremerton, WA	Richard Curtis Curtis Mechanical, Inc.	No boiler/pressure vessel business license/no installation permit	\$2,000
Clackamas	Charles Keller Celk Company	No boiler/pressure vessel business license/no installation permit	\$1,500
Corvallis	Glenn DeFord Middleton Heating & Sheet Metal, Inc.	No installation permit	\$4,000
Eugene	Ron D. Haley American Refrigeration Inc.	No boiler/pressure vessel business license/no installation permit (2 violations)	\$3,000

Gold Hill	Donald L. Slater D & D Plumbing and Repair Co.	No boiler/pressure vessel business license/no installation permit	\$2,000
Grants Pass	Gary Tressler Dependable Refrigeration, Inc.	Failure to notify inspector prior to beginning work	\$2,000
Junction City	Gail C. Cross Cross Corp.	No boiler/pressure vessel business license/no installation permit (2 violations)	\$3,000
Lynnwood, WA	Bryan C. Cole Cole Industrial Inc.	No installation permit	\$1,000
Meridian, ID	Kenny Calkins Cloverdale Plumbing Company, Inc.	No installation permit	\$1,000
Portland	Robert Crider Crider Mechanical LLC	No boiler/pressure vessel business license/no installation permit	\$2,000
Portland	Brent D. Jacobs Jacobs Heating & Air Conditioning Inc.	No installation permit (2 violations)	\$2,000
Portland	Robert Crider	No boiler/pressure vessel individual certification	\$1,000
Portland	John F. Witty Thermal Mechanical, Inc.	No installation permit	\$1,000
Seattle, WA	Stanley R. Miller PSF Industries, Inc.	No boiler/pressure vessel business license/no installation permit	\$2,000
Sunnyside, WA	Daniel L. Haak Orange Dairy Service	No boiler/pressure vessel business license/no installation permit (2 violations)	\$3,000
Woodinville, WA	Pete Botting W.A. Botting Company	No installation permit	\$2,000

The Electrical and Elevator Board found the following violations of the Oregon Electrical Safety Laws in March 2003:

CITY	NAME	VIOLATION	PENALTY
Beaverton	James Hufton Action Builders Inc.	No contractor license/no permit/ permitted unlicensed individual to make an electrical installation	\$3,000
Beaverton	Chadley V. Redwing	No supervising or journeyman license	\$1,000
Brush Prairie, WA	Kenneth R. Kristan	Unsafe installation (2 violations)	\$2,000
Cove	Philip S. Peterson	As supervising electrician, failed to ensure that permit was obtained	\$1,000
Federal Way, WA	Amron James Ashe, II	No supervising or journeyman license	\$1,000

Hebo	Darrell D. Martin D. Martin Electric	Failure to call for inspection/ unsafe installation	\$2,000
Jacksonville	Jerome F. Haas Jerry Haas Construction and Handyman Service	No electrical contractor license/ no electrical permit/no supervising or journeyman license	\$3,000
Martin, SD	Stevan H. Hauck	Failed to comply with continuing-education requirements	\$100
McMinnville	Lonnie R. Sizer	Revocation of electrical license	\$0
Medford	Jack K. Schmidt Precision Electric Contractors LLC	Allowed unlicensed individual to make electrical installation (4 violations)	\$4,000
Medford	Jason M. Carder	No supervising or journeyman license	\$1,000
Oregon City	Christopher Clasen	No supervising or journeyman license	\$1,000
Pendleton	Kelly Jordan	Failed to comply with continuing-education requirements	\$100
Roseburg	Randy W. Standridge Standridge Construction	Allowed unlicensed individual to make electrical installation/ no electrical permit	\$100
Salem	Gregory A. Rose Electrum Inc.	Allowed unlicensed individual to make electrical installation	\$2,000
Salem	Elmer Rose	As supervising electrician, failed to ensure that individuals had proper licenses to make electrical installation	\$2,000
Sandy	Mark D. Jacobs Xtreme Communications, Inc.	Allowed unlicensed individual to make electrical installation	\$1,000
South San Gabriel, CA	Cheng Hsiang-Liang	No supervising or journeyman license	\$1,000
Sutherlin	Martin E. Hopkins Martin Hopkins Climate Control HVAC	No electrical permit	\$2,000
Talent	Zane C. Nickell	No supervising or journeyman license	\$1,000
Vancouver, WA	Jim Hunt	Failure to work under the supervision, direction and control of a supervising electrician/no electrical contractor license/no electrical permit	\$3,000

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in March 2003:

CITY	NAME	VIOLATION	PENALTY
Aloha	Heiko Thanheiser The Fire Protection	No permit	\$250

Ashland	John Ackles John Ackles Construction, Inc.	No permit	\$250
Baker City	Ty A. Bennett Ty Bennett Roofing, Inc.	No permit	\$250
Baker City	Ken Draze	No permit	\$250
Bandon	David S. Nevitt Sr.	No permit	\$250
Beatty	Fred C. Tompkins	No permit	\$250
Beaverton	Robert L. Richards	No permit (2 violations)	\$500
Beaverton	Douglas J. Nelson Western Heating & Cooling, Inc.	No permit	\$250
Beaverton	Ronald L. Dunaway Air Systems Northwest	No permit (2 violations)	\$2,000
Beaverton	Steve Phillips Four Star Roofing	No permit	\$250
Beaverton	Jeffrey S. Dombrowski Millennium Construction	No permit	\$250
Cascade Locks	Randall Bates Network Logistics, Inc.	No permit (3 violations)	\$750
Cave Junction	Terry Bendock	No permit	\$250
Cave Junction	James and Janet Prescott	No permit (2 violations)	\$500
Corvallis	Rodney A. Albin Albin's Plumbing, Inc.	No permit	\$250
Gresham	Joseph A. Brewer Columbia Contracting Services, Inc.	No permit	\$250
Hermiston	Clay V. Haynes Rhino Electric, Inc.	Violated a final order	\$1,750
Hermiston	Timothy Jack Bevington	Failure to call for inspection (4 violations)	\$4,000
Hermiston	Bert W. and Mary Jo Curtis	No manufactured dwelling installation permit	\$250
Hillsboro	Robert A. Martin	No permit	\$250
Issaquah, WA	Philip Schuetz The Highridge Corporation	No permit	\$1,000
Klamath Falls	Michael Keiffer Crystal Refrigeration	No permit	\$250
Klamath Falls	David Howard	No permit	\$250
Lake Oswego	Herman E. Roybal AA Freedom Construction Company	No permit	\$250
Lebanon	Barton Curry Comfort Zone Climate Control	No permit (2 violations)	\$500
Milton-Freewater	Dennis Harrington	No permit	\$250

Molalla	Kiril Ivanov I & E Construction	No permit	\$250
Molalla	Karen L. Zeida Zeida Renovation Co., Inc.	No permit	\$250
Myrtle Creek	John Maxon	No permit	\$250
Oakland	Rickie Ann Conrad Conrad Construction Inc.	No permit	\$250
Oregon City	Steven E. Elle Elle's Interior Design, Inc.	No permit	\$250
Portland	David D. Boom Rose Heating Inc.	No permit	\$250
Portland	Joseph E. Weston American Property Management Corp.	No permit	\$250
Portland	Michael D. Griffin, Temp-Control Mechanical Corp.	No permit	\$250
Prineville	Larry Smith ABC Fence Company	No permit	\$250
Rainier	Magar E. Magar Riverwood Mobile Home Park	No permit	\$250
St. Helens	Jason E. Moore	Violated a final order	\$15,000
Salem	Ralph Rodia	No permit	\$250
Sandy	Douglas M. Weeks	No permit	\$250
Selma	Kris Sherman	No permit	\$250
Sunriver	Thomas Schill Sunriver Chiropractic Center	No permit	\$250
Tempe, AZ	Kelly P. Dancer Sundance Solar, Inc.	No permit (2 violations)	\$500
Tigard	Norman S. Matheis Specialty Heating & Cooling	No permit	\$250
Tigard	Stanley R. Kramien Jr. Geo. A. Morlan Plumbing & Appliance Co.	No permit	\$250
Tualatin	Ken Hick Resources Northwest, Inc.	No permit	\$250
Ukiah	Daniel Vincent Dan's Ukiah Service	No permit (2 violations)	\$500
Union	Archie L. Barclay Pacific NW Sales & Service, Inc.	No permit	\$250
Vancouver, WA	Jay Blackburn Fire Systems West, Inc.	No permit	\$250
Warrenton	Carina Munoz-Tussing Precision Heating and Cooling, Inc.	No permit (2 violations)	\$500
West Linn	Ralph G. Gomez Ralph G. Gomez Building & Remodeling Service	No permit	\$250

The Electrical and Elevator Board found the following violations of the Oregon Electrical Safety Laws in April 2003:

CITY	NAME	VIOLATION	PENALTY
Bandon	Charles Kane	Installed or altered elevator without prior plan approval	\$1,000
Bandon	Alex Linke Port of Bandon	No electrical permit	\$1,000
Canyonville	Steve Kramer	No supervising or journeyman license	\$1,000
Canyonville	Roger W. Wright Huffman & Wright Logging Co.	No electrical permit/permitted an unlicensed individual to make an electrical installation	\$2,000
Coos Bay	Mike Gardner	Failure to make corrections	\$1,000
Eugene	Frederic C. Wittkop, Builder's Electric, Inc.	No electrical permit	\$2,000
Hillsboro	Blake N. Landon McCoy Empire Electric LLC	No electrical permit	\$1,000
Lake Oswego	Steve Carey Oregon Home Improvement. Co., Inc.	No electrical contractor license	\$1,000
Medford	John Brackin	No supervising or journeyman license	\$1,000
Oregon City	Michael P. Donohue Portland Electrical Construction, Inc.	No electrical permit	\$1,000
Oregon City	Neil Clasen Lil' Stinky Environmental Services, Inc.	No electrical contractor license/no electrical permit	\$2,000
Phoenix	John H. Bell JB's Handyman Service	No electrical contractor license/ no permit/no supervising or journeyman license/ unsafe installation	\$4,000
Portland	Phillip M. Krawczyk	Failed to comply with continuing-education requirements	\$100
Roseburg	Clyde E. Manning Jr. CE Manning	As supervising electrician, failed to ensure that permit was obtained/no electrical permit	\$4,000
Salem	Michael Cross Sentinel Alarm Systems, LLC	Allowed unlicensed individual to make electrical installation (2 violations)/no electrical contractor license/ no electrical permit	\$4,000
Salem	Michael Cross	No supervising or journeyman license	\$1,000
Sandy	Barbara Myers Ultra Electrical Construction Corp.	No electrical permit	\$1,000

Sandy	John C. Myers	As supervising electrician, failed to ensure that permit was obtained	\$1,000
Seaside	Alan W. Evans	No electrical contractor license/no electrical permit/ no supervising or journeyman license	\$3,000

The Plumbing Board found the following violations of the Oregon Plumbing Specialty Code in April 2003:

CITY	NAME	VIOLATION	PENALTY
Bend	Gary Ford	Allowing unlicensed individuals to make plumbing installations	\$2,000
	Summit Plumbing Co.		
Clackamas	Ron Taylor	No plumbing permit	\$1000
	Pleasant Valley Plumbing, Inc.		
Grand Ronde	Peter Rudolph	No plumbing permit	\$1,000
	We "R" Plumbing		
Hillsboro	Michael Thurman	No plumbing business certificate of registration	\$1,000
	Westside Underground Utilities Inc.		
Milwaukie	Steve Ferree	Allowing unlicensed individuals to make plumbing installations	\$2,000
	Ferree Associates, LLC		
Oakland	Rickie Ann Conrad	Allowing unlicensed individuals to make plumbing installations/ no plumbing business certificate of registration	\$2,000
	Conrad Construction Inc.		
Portland	Thomas M. Hanlon	No plumbing business certificate of registration/no plumbing journeyman certificate of competency	\$2,000
	Thomas Hanlon Construction		
Portland	Brett Nance	No plumbing journeyman certificate of competency	\$1,000
Portland	Richard H. Evett,	Allowing unlicensed individuals to make plumbing installations	\$3,000
	Barrich Inc.		
Rainier	Magar E. Magar	No plumbing permit (2 violations)	\$1,000
	Riverwood Mobile Home Park		
Redmond	Kenneth Kuper	No plumbing journeyman certificate of competency	\$1,000
Roseburg	Roger Wayne Helland	No plumbing business certificate of registration/no plumbing journeyman or certificate of competency	\$500
	Roger Helland Contractor		
Sandy	Rodney Collman	No plumbing business certificate of registration/no plumbing journeyman certificate of competency	\$2,000
Tualatin	Mike Hallquist	No plumbing journeyman certificate of competency	\$1,000

Ukiah	Daniel Vincent	No plumbing journeyman certificate of competency/no plumbing permit	\$2,000
	Dan's Ukiah Service		
Vancouver, WA.....	Scott Hawkins	No plumbing journeyman	\$1,000
		certificate of competency	
Warrenton	Carina Munoz-Tussing	No plumbing business certificate of registration	\$1,000
	Precision Heating and Cooling, Inc.		
West Linn	Ralph Gomez	No plumbing journeyman certificate of competency/no business certificate/no plumbing permit	\$250

The director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in April 2003:

CITY	NAME	VIOLATION	PENALTY
Hermiston.....	Paul L.Comrie	Sale of travel trailer with no Oregon insignia of compliance (3 violations)	\$3,000
	Comrie Chevrolet-Honda, Inc.		

Truncated domes

by Richard Rogers, interim structural chief



Section 1109.16 of the current edition of the Oregon Structural Specialty Code, allows several types of detectable warnings at vehicular crossings, including truncated domes.

After passage of the Americans with Disabilities Act in the early 1990s, truncated-dome use was suspended as the only means of detectable warning at vehicular ways and other prescribed locations. The suspension was to allow a study to be undertaken that would provide an analysis of the most effective method of detection. The suspension was “renewed” at least twice as the study continued; the last suspension ended on July 26, 2001.

Concurrent with the study, the United States Access Board had begun the promulgation of the revised “Americans with Disabilities Act Accessible Guidelines.” Among significant changes from the last ADAAG is that *detectable warnings will only be required in conjunction with railway platforms*. The U. S. Department of Justice was aware of this change and had anticipated that the revised ADAAG would be adopted before the truncated-dome-suspension renewal date came up on July 26, 2001. In short, this was DOJ’s reason for not renewing the truncated-dome-suspension.

The revised guidelines have not been adopted by the DOJ. It is BCD’s understanding that they could be adopted within six months or not for two years. The DOJ has candidly admitted that it has inadvertently created a situation in which the ADAAG “technically” recognizes truncated domes as the only acceptable detectable warning, when the revised ADAAG will require detectable warnings (truncated domes) only on railway platforms. The DOJ has acknowledged that it will not process claims under the current ADAAG related to the exclusive use of truncated domes where detectable warnings are required.

In a related development, the DOJ has determined that the Federal Highway Administration is now the designated agency for promulgating accessibility standards for *public rights-of-way*. FHWA has issued a bulletin asserting that truncated domes are the only acceptable device for use in conjunction with detectable warnings at vehicular ways in public rights-of-way.

The outcome may be that truncated domes will be required at all vehicular ways in public rights-of-way, whereas *the only detectable warning required under the revised ADAAGs will be at railway platforms*.

BCD advises jurisdictions to continue to enforce Chapter 11 of the Oregon Structural Specialty Code as currently adopted. ■

Board meeting dates

Sun	Mon
1	2
8	9

ELECTRICAL & ELEVATOR BOARD _____

Meets at 9:30 a.m. on the fourth Thursday of each month:

- July 24
- August 28

BUILDING CODES STRUCTURES BOARD _____

Meets at 9:00 a.m. on the first Wednesday of every other month:

- July 9

MANUFACTURED STRUCTURES & PARKS ADVISORY BOARD _____

Meets at 9:30 a.m. on the second Thursday of each quarter:

- July 10

STATE PLUMBING BOARD _____

Meets at 9:00 a.m. on the third Friday of every other month:

- August 15

BOARD OF BOILER RULES _____

Meets at 9:30 a.m. on the first Tuesday of each quarter:

- September 9

TRI-COUNTY BUILDING INDUSTRY SERVICE BOARD _____

Meets at 9:30 a.m. on the second Wednesday of every other month:

- September 10

MEETINGS ARE HELD IN THE SALEM BCD CONFERENCE ROOM AT 1535 EDGEWATER ST. NW, EXCEPT THE TRI-COUNTY SERVICE BOARD, WHICH MEETS IN PORTLAND.



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Emergency lighting recall



Thomas and Betts Corp. of Memphis, TN, has a voluntary recall underway in cooperation with the Consumer Products and Safety Commission. The recall includes exit signs sold under the Lightalarms, Emergi-Lite, and Dynaray brand names.

The signs have an internal electrical component that could overheat and fail when connected to a 227-volt electrical system, posing a fire hazard. These products may be found in public buildings such as schools, offices, and shopping centers.

For more information, contact the company's recall center, (800) 991-8010, or visit its Web site at www.lightalarms.com. ■

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Building Codes Division
1535 Edgewater St. NW
PO Box 14470
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CODE LINK

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Editor

Louann Rahmig

Publication Design

Shonnie Emerson, DCBS Communications

BCD Administrator

Mark Long



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