

**Table 2-B**  
**2015 Oregon Boiler and Pressure Vessel Specialty Code**

**Oregon Amendments to the 2013 Edition of the  
National Board Inspection Code ANSI/NB 23, Part 1 and Part 2**

<b>Part 1</b>	
<b>Section 1.3</b>	<b><u>(d) This code applies to all new installations and is recommended for retrofit installations.</u></b>
<b>Section 2.3.3 (a)</b>	Boiler installations shall allow for normal operation, maintenance, and inspections. There shall be at least 36 in. (915 mm) of clearance on each side of the boiler to enable access for maintenance and/or inspection activities. Boilers operated in battery shall not be installed closer than 48 inches from each other, <b><u>except boilers that operate at up to 2,000,000 btu may be installed according to manufacturer's instructions.</u></b>
<b>Section 2.4.1</b>	Two means of exit shall be provided for boiler rooms exceeding 500 sq. ft. (46.5 sq. m) floor area and containing one or more boilers having a combined fuel capacity of 1,000,000 Btu/hr (293 kW) or more. Each elevation shall be provided with at least two means of exit, each to be remotely located from the other. A platform at the top of a single boiler is not considered an elevation. <b><u>All boiler room doors that do not lead to an exit must be clearly labeled "not an exit."</u></b>
<b>Section 2.4.2</b>	See Oregon Administrative Rules, Chapter 437, Division 2  <a href="http://arcweb.sos.state.or.us/pages/rules/oars_400/oar_437/437_002.html">http://arcweb.sos.state.or.us/pages/rules/oars_400/oar_437/437_002.html</a>  For additional Oregon OSHA requirements: <a href="http://www.orosha.org">http://www.orosha.org</a>
<b>Section 2.5.3.2(a)</b>	A manually operated remote shutdown switch or circuit breaker shall be located just outside the boiler room door and marked for easy identification; <b><u>or, alternatively, the switch or circuit breaker shall be located in accordance with ASME CSD-1.</u></b> Consideration should also be given to the type and location of the switch to safeguard against tampering.
<b>Section 2.5.4</b>	<b><u>(1) These provisions apply in addition to provisions of the Oregon Mechanical Specialty Code.</u></b>  (a) The boiler room shall have an adequate air supply to permit clean safe combustion, minimize soot formation, and maintain a minimum of 19.5% oxygen in the air of the boiler room. The combustion and ventilation air should be supplied by either an unobstructed air opening or by power ventilation or fans.  (b) .....
<b>Section 2.10.6</b>	Not adopted

<b>Section 3.3.4(a)</b>	Heating boilers shall have a minimum distance of at least 36 in. (914 mm) between the top of the boiler and any overhead structure and at least 36 in. (914mm) between all sides of the heating boiler and adjacent walls, structures or other equipment; <b><u>except that heating boilers exceeding 2,000,000 btu and operated in battery shall be installed a minimum of 48 inches from each other, and heating boilers that operate at or below 2,000,000 btu may be installed according to manufacturer's instructions.</u></b> Heating boilers having manholes shall have at least 84 in. (2135 mm) of clearance between the manhole opening and any wall, ceiling, piping, or other equipment that may prevent a person from entering the heating boiler.
<b>Section 3.4.1</b>	Two means of exit shall be provided for boiler rooms exceeding 500 sq. ft. (46.5 sq. m) floor area and containing one or more boilers having a combined fuel capacity of 1,000,000 Btu/hr (293 kW) or more. Each elevation shall be provided with at least two means of exit, each to be remotely located from the other. A platform at the top of a single boiler is not considered an elevation. <b><u>All boiler room doors that do not lead to an exit must be clearly labeled "not an exit."</u></b>
<b>Section 3.4.2</b>	See Oregon Administrative Rules, Chapter 437, Division 2  <a href="http://arcweb.sos.state.or.us/pages/rules/oars_400/oar_437/437_002.html">http://arcweb.sos.state.or.us/pages/rules/oars_400/oar_437/437_002.html</a>  For additional Oregon OSHA requirements: <a href="http://www.orosha.org">http://www.orosha.org</a>
<b>Section 3.5.3(b)</b>	A manually operated remote shutdown switch or circuit breaker shall be located just outside the boiler room door and marked for easy identification; <b><u>or, alternatively, the switch or circuit breaker shall be located in accordance with ASME CSD-1.</u></b> Consideration should also be given to the type and location of the switch to safeguard against tampering.
<b>Section 3.7.1(b)</b>	Not adopted
<b>Section 4.3.2(a)</b>	All pressure vessel installations must allow sufficient clearance for normal operation, maintenance, and inspection (internal and external). <b><u>When making an installation or adding insulation, the name plate and safety relief valve data plates shall be available for review.</u></b>
<b>Section 4.3.3</b>	Piping loads on the vessel nozzles shall be considered. Piping loads include weight of the  pipe, weight of the contents of the pipe, expansion of the pipe from temperature and pressure changes (wind and seismic loads). The effects of piping vibration on the vessel nozzles shall also be considered. <b><u>Installation shall be in accordance with the Oregon Boiler Specialty Code, which includes the ASME B 31 Piping Codes.</u></b>
<b>Section 4.5.4(b)</b>	If an additional hazard can be created by exposure of a pressure vessel to fire or other unexpected sources of external heat, supplemental pressure relief devices shall be installed to provide any additional capacity that should be required; <b><u>see,</u></b>

	<b><u>ASME, Section 8.</u></b>
<b>Section 4.6(b)</b>	Not adopted
<b>Supplement 3</b>	Not adopted

<b>Part 2</b>	
<b>Section 1.5.2.1</b>	<b><u>Note: State of Oregon inspection plan can be found in OAR Chapter 918, Division 225. OAR 918-225-0570 includes inspection schedules.</u></b>
<b>Section 2.3.6.6</b>	Not adopted
<b>S7.2</b>	Replace reference to Section S7.10 with <b><u>S7.9</u></b>
<b>S7.4 (a)</b>	Replace reference to Section S7.10 with <b><u>S7.9</u></b>