

CHAPTER 3 GENERAL REGULATIONS

Section 301 is amended as follows:

301.1 Scope. This chapter shall govern the approval and installation of all equipment and appliances that comprise parts of the building mechanical systems regulated by this code in accordance with Section 101.2.

Equipment shall not be installed, altered or used in violation of this code. The fuel input rate to equipment be increased in excess of the approved Btu/h (W) rating at the altitude where it is being used.

301.2 Energy utilization. Heating, ventilating and air-conditioning systems of all structures shall be designed and installed for efficient utilization of energy in accordance with ~~the International Energy Conservation Code.~~ Chapter 13 of the Oregon Structural Specialty Code.

301.3 Fuel gas appliances and equipment. The approval and installation of fuel gas distribution piping and equipment, fuel gas-fired appliances and fuel gas-fired appliance venting systems shall be in accordance with ~~the International Fuel Gas Code~~ Appendix C.

NOTE: For reference only. Not adopted as part of this code.

Wood stoves, as defined by the Oregon Department of Environmental Quality OAR Chapter 340, Division 34, are required by DEQ to bear a certification label.

~~§~~ **301.13 Flood hazard.** For structures located in flood hazard areas, as identified by the local jurisdiction, mechanical systems, equipment and appliances shall be located at or above the design flood elevation.

Section 303 is amended as follows:

303.3 Prohibited locations. Fuel-fired appliances shall not be located in, or obtain combustion air from, any of the following rooms or spaces:

1. Sleeping rooms.
2. Bathrooms.
3. Toilet rooms.
4. Storage closets.
5. Surgical rooms.

Exception: This section shall not apply to the following appliances:

1. Direct-vent appliances that obtain all combustion air directly from the outdoors.
2. Solid fuel-fired appliances, provided that the room is not a confined space and the building is not of unusually tight construction.

3. Appliances installed in a dedicated enclosure in which all combustion air is taken directly from the outdoors, in accordance with Section 703. Access to such enclosure shall be through a solid, ~~door,~~ weather-stripped door ~~in accordance with the exterior door air leakage requirements of the *International Energy Conservation Building Code*~~ and equipped with an approved self-closing device.

Section 304 is amended as follows:

304.3 Elevation of ignition source. ~~Equipment and appliances having an ignition source and located in hazardous locations and public garages, private garages, repair garages, automotive motor fuel dispensing facilities and parking garages shall be elevated such that the source of ignition is not less than 18 inches (457 mm) above the floor surface on which the equipment or appliance rests. Such equipment and appliances shall not be installed in Group H occupancies or control areas where open use, handling or dispensing of combustible, flammable or explosive materials occurs. For the purpose of this section, rooms or spaces that are not part of the living space of a dwelling unit and that communicate directly with a private garage through openings shall be considered to be part of the private garage. Heating and/or cooling equipment and water heaters covered by this code, located in a garage and which generate a glow, spark or flame capable of igniting flammable vapors shall be installed with sources of ignition at least 18 inches (457 mm) above the floor level.~~

304.5 Public garages. Appliances located in public garages, motor fuel-dispensing facilities, repair garages or other areas frequented by motor vehicles, shall be installed a minimum of 8 feet (2438 mm) above the floor. Where motor vehicles exceed 6 feet (1829 mm) in height and are capable of passing under an appliance, appliances shall be installed a minimum of 2 feet (610 mm) higher above the floor than the height of the tallest vehicle.

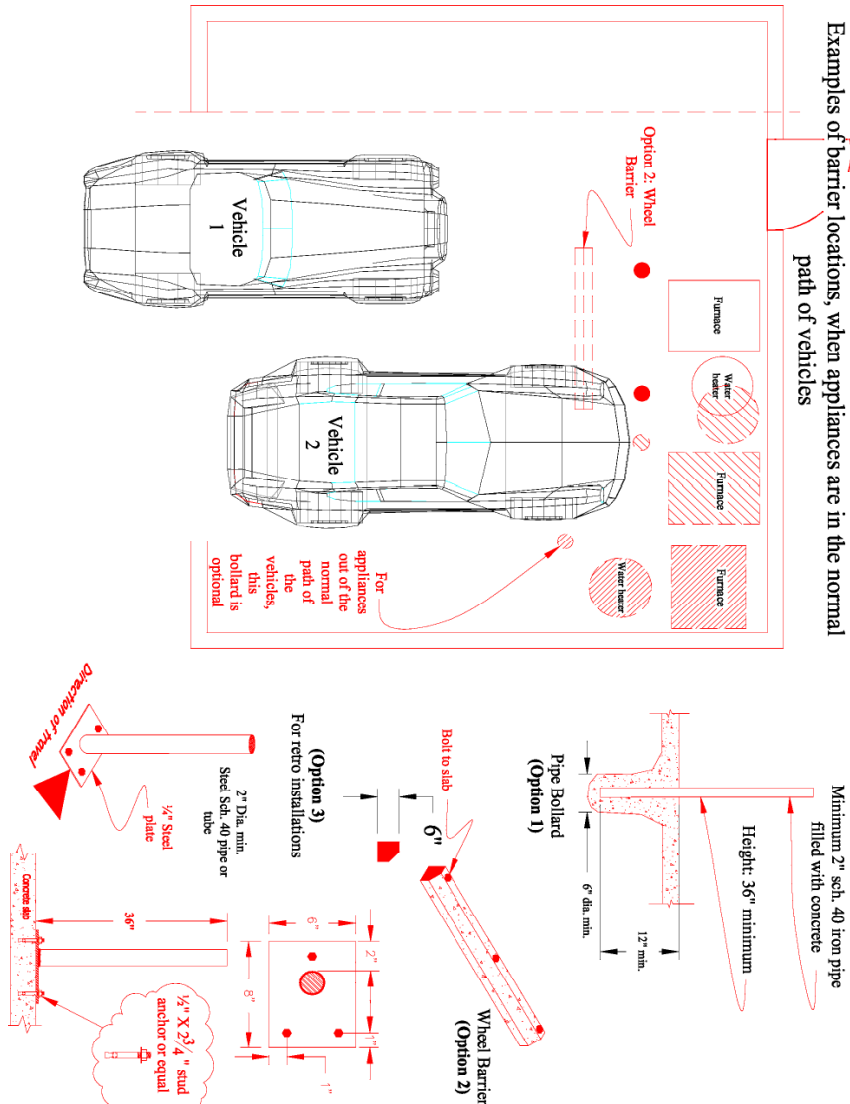
Exception: The requirements of this section shall not apply where the appliances are protected from motor vehicle impact and installed in accordance with Section 304.3 and NFPA 30A, Figure 304.1.

304.6 Private garages. Appliances located in private garages and carports shall be installed with a minimum clearance of 6 feet (1829 mm) above the floor.

Exception: The requirements of this section shall not apply where the appliances are protected from motor vehicle impact and installed in accordance with Section 304.3 and Figure 304.1.

(Add Oregon Figure 304.1, showing examples of barrier protection.)

FIGURE 304.1 ILLUSTRATIONS OF NORMAL VEHICLE PATH AND RECOMMENDED TYPES OF PROTECTION



304.10 Guards. Guards shall be provided where appliances, equipment, fans or other components that require service and roof hatch openings are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof or grade below. The guard shall extend not less than 30 inches (762 mm) beyond each end of such appliance, equipment, fan or component and roof hatch openings and the top of the guard shall be located not less than 42 inches (1067 mm) above the elevated surface adjacent to the guard. The guard shall be constructed so as to prevent the

passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the *Building Code*.

Exception: The section shall not apply to the replacement, repair or maintenance of an existing appliance or piece of equipment lawfully in existence at the time of the adoption of this code.

Section 306 is amended as follows:

306.5 Equipment and appliances on roofs or elevated structures. Where equipment and appliances requiring access are installed on roofs or elevated structures at a height exceeding 16 feet (4877 mm), such access shall be provided by a permanent approved means of access, the extent of which shall be from grade or floor level to the equipment and appliances' level service space. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) high or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope).

Permanent ladders installed to provide the required access shall comply with the following minimum design criteria:

1. The side railing shall extend above the parapet or roof edge not less than 30 inches (762 mm).
2. Ladders shall have rung spacing not to exceed 14 inches (356 mm) on center.
3. Ladders shall have a toe spacing not less than 6 inches (152 mm) deep.
4. There shall be a minimum of 18 inches (457 mm) between rails.
5. Rungs shall have a minimum 0.75-inch (19 mm) diameter and be capable of withstanding a 300-pound (136.1 kg) load.
6. Ladders over 30 feet (9144 mm) in height shall be provided with offset sections and landings capable of withstanding 100 pounds (488.2 kg/m²) per square foot.
7. Ladders shall be protected against corrosion by approved means.

Catwalks installed to provide the required access shall be not less than 24 inches (610 mm) wide and shall have railings as required for service platforms.

Exception:

1. The section shall not apply to the replacement, repair or maintenance of an existing appliance or piece of equipment lawfully in existence at the time of the adoption of this code.

2. This section shall not apply to Group R-3 occupancies.

306.6 Sloped roofs. Where appliances, equipment, fans or other components that require service are installed on a roof having a slope of 3 units vertical in 12 units horizontal (25-percent slope) or greater and having an edge more than 30 inches (762 mm) above grade at such edge, a level platform shall be provided on each side of the appliance to which access is required by the manufacturer's installation instructions for service, repair or maintenance. The platform shall not be less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1067 mm) above the platform, shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the *Building Code*.

Exception: The section shall not apply to the replacement, repair or maintenance of an existing appliance or piece of equipment lawfully in existence at the time of the adoption of this code.

Section 307 is amended as follows:

307.2.1 Condensate disposal. Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal ~~Condensate shall not discharge into a street, alley or other areas so as to cause a nuisance.~~ as follows:

1. Units larger than 6 tons (21.1 kW) nominal capacity shall discharge to a sanitary sewer drain or storm sewer drain. Where discharging to a sanitary sewer, such drains shall be indirectly connected in accordance with the plumbing code.
2. Units 6 tons (21.1 kW) and smaller nominal capacity shall discharge in accordance with Item 1, or shall discharge to a gutter, roof drain or other approved location.
3. Condensate drains from rooftop units shall discharge in accordance with Item 1 or 2, or shall discharge onto rooftops where the condensate does not discharge into a street, alley or other areas so as to cause a nuisance.

Section 308 is amended as follows:

308.2 Listed appliances and equipment. The reduction of the required clearances to combustibles for listed and labeled appliances and equipment shall be in accordance with the requirements of this section except that such clearances shall not be reduced where reduction is specifically prohibited by the terms of the appliance or equipment listing.

Exception: Unlisted appliances and equipment, when approved by the building official, shall be in accordance with an approved nationally recognized standard.

TABLE 308.6
CLEARANCE REDUCTION METHODS

<u>Prefabricated brick 1-1/8 inch thick spaced out 1 inch and ventilated.</u>	<u>30</u>	<u>15</u>	<u>9</u>	<u>3</u>	<u>18</u>	<u>9</u>	<u>6</u>	<u>3</u>

Delete **Section 309 – Temperature Control** in it's entirety.

Delete **Section 310 – Explosion Control** in it's entirety.

Delete **Section 311 – Smoke and Heat Vents** in it's entirety.

Delete **Section 312 – Heating and Cooling Load Calculations** in it's entirety.