

## Part II — Definitions

### CHAPTER 2 DEFINITIONS

#### SECTION R201 GENERAL

**R201.1 Scope.** Unless otherwise expressly stated, the following words and terms shall, for the purposes of this code, have the meanings indicated in this chapter.

**R201.2 Interchangeability.** Words used in the present tense include the future; words in the masculine gender include the feminine and neuter; the singular number includes the plural and the plural, the singular.

**R201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in the electrical code, building code, fire code, mechanical code or plumbing code, such terms shall have meanings ascribed to them as in those codes.

**R201.4 Terms not defined.** Except as defined in this chapter or elsewhere in this code, the interpretation of words used in this code shall be in accordance with the meanings defined in the building code and *Webster's Third New International Dictionary of the English Language*, unabridged, copyright 1986.

**R201.5 Other defined terms.** For energy efficiency definitions, see Chapter 11; for plumbing see Chapter 25. For definitions specific to fuel-gas installations, see Chapter 24. For electrical definitions, see Chapters 34, 41 and 42. For swimming pool, spa and hot tub definitions, see Appendix G. For patio cover definitions, see Appendix H. For straw bale structure definitions, see Appendix M. For low-rise residential definitions, see Appendix N. For rowhouse definitions, see Appendix O.

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**ACCESSIBLE.** Signifies access that requires the removal of an access panel or similar removable obstruction.

**ACCESSORY STRUCTURE.** In low-rise residential dwellings dwellings not more than three stories high with separate means of egress, a building, the use of which is incidental to that of the main building and which is located on the same lot.

**ADDITION.** An extension or increase in floor area or height of a building or structure.

**AIR CIRCULATION, FORCED.** A means of providing space conditioning utilizing movement of air through ducts or plenums by mechanical means.

**AIR-CONDITIONING SYSTEM.** A system that consists of heat exchangers, blowers, filters, supply, exhaust and return-air systems, and shall include any apparatus installed in connection therewith.

**AIR, EXHAUST.** Air being removed from any space or piece of equipment and conveyed directly to the atmosphere by means of openings or ducts.

**AIR, MAKEUP.** Air that is provided to replace air that is exhausted.

**ALTERATION.** Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

**ANCHORS.** See "Supports."

**APPLIANCE.** A device or apparatus that is manufactured and designed to utilize energy and for which this code provides specific requirements.

**APPROVED.** Approved refers to approval by the building official as the result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by nationally recognized organizations (see Chapter 25 for "approved" as it relates to plumbing applications).

**APPROVED AGENCY.** An established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the building official.

**ASPECT RATIO.** The ratio of the height to width (h/w) of a shear wall. The shear wall height is the maximum clear height from top of foundation or diaphragm to bottom of diaphragm framing above and the shear wall width is the sheathed dimension in the direction of applied force on the shear wall.

**ATTIC.** The unfinished space between the ceiling joists of the top story and the roof rafters.

**BALCONY, EXTERIOR.** An exterior floor projecting from and supported by a structure without additional independent supports.

**BASEMENT.** Any floor level below the first story in a building, except that in a floor level in a building having only one floor level shall be classified as a basement unless such floor level qualifies as a first story as defined herein.

**BASEMENT WALL.** The opaque portion of a wall that encloses one side of a basement and has an average below grade wall area that is 50 percent or more of the total opaque and non-opaque area of that enclosing side.

**BASIC WIND SPEED.** Three-second gust speed at 33 feet (10 058 mm) above the ground in Exposure C (see Section R301.2.1) as given in Figure R301.2(4).

**BOILER.** A closed heating appliance intended to supply hot water or steam for space heating, processing or power pur-

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poses. Low-pressure boilers operate at pressures less than or equal to 15 pounds per square inch (psi) (103 kPa) for steam and 160 psi (1103 kPa) for water. High-pressure boilers operate at pressures exceeding those pressures.

**BOND BEAM.** A horizontal grouted element within masonry in which reinforcement is embedded.

> **BRACED WALL LINE.** A series of braced wall panels in a single story constructed in accordance with Section R602.10 for wood framing or Section R603.7 or R301.1.1 for cold-formed steel framing to resist racking from seismic and wind forces.

> **BRACED WALL PANEL.** A section of a braced wall line constructed in accordance with Section R602.10 for wood framing or Section R603.7 or R301.1.1 for cold-formed steel framing, which extend the full height of the wall.

> **BRAZING.** A weld produced by heating an assembly to the brazing temperature using a filler metal having a liquidus above 840°F (449°C) and below the solidus of the metals.

|| **BTU/H.** The listed maximum capacity of an appliance, absorption unit or burner expressed in British thermal units input per hour (see Chapter 11 for the definition of “BTU”).

|| **BUILDING.** Building shall mean any low-rise residential dwelling or portion thereof, including townhouses and row-houses, that is used, or designed or intended to be used for human habitation, for living, sleeping, cooking or eating purposes, or any combination thereof, and shall include accessory structures thereto. (See also Chapter 25.)

> **BUILDING, EXISTING.** Existing building is a building erected prior to the adoption of this code, or one for which a legal building permit has been issued.

> **BUILDING OFFICIAL.** See ORS 455.715(1).

455.715 Definitions for ORS 455.715 to 455.740. As used in ORS 455.715 to 455.740, unless the context otherwise requires: (1) “Building official” means a person charged by a municipality with responsibility for administration and enforcement of the state building code in the municipality.

> **BUILDING THERMAL ENVELOPE.** The basement walls, exterior walls, floor, roof and any other building element that enclose conditioned spaces.

**BUILT-UP ROOF COVERING.** Two or more layers of felt cemented together and surfaced with a cap sheet, mineral aggregate, smooth coating or similar surfacing material.

|| **CARPORT.** A carport is a structure used to shelter a vehicle, having no enclosed uses above, and is entirely open on two or more sides.

**CEILING HEIGHT.** The clear vertical distance from the finished floor to the finished ceiling.

**CHIMNEY.** A primary vertical structure containing one or more flues, for the purpose of carrying gaseous products of combustion and air from a fuel-burning appliance to the outside atmosphere.

**CHIMNEY CONNECTOR.** A pipe that connects a fuel-burning appliance to a chimney.

## CHIMNEY TYPES

**Residential-type appliance.** An approved chimney for removing the products of combustion from fuel-burning, residential-type appliances producing combustion gases not in excess of 1,000°F (538°C) under normal operating conditions, but capable of producing combustion gases of 1,400°F (760°C) during intermittent forces firing for periods up to 1 hour. All temperatures shall be measured at the appliance flue outlet. Residential-type appliance chimneys include masonry and factory-built types.

**CLADDING.** The exterior materials that cover the surface of the building envelope that is directly loaded by the wind.

**CLOSET.** A small room or chamber used for storage.

**CLOTHES DRYER.** An appliance used to dry wet laundry by means of heated air.

**Type 1.** Factory-built package, multiple production. Primarily used in the family living environment. Usually the smallest unit physically and in function output.

**COMBUSTIBLE MATERIAL.** Any material not defined as noncombustible.

**COMBUSTION AIR.** The air provided to fuel-burning equipment including air for fuel combustion, draft hood dilution and ventilation of the equipment enclosure. Air necessary for the complete combustion of a fuel, including theoretical air and excess air.

**CONDENSATE.** The liquid that separates from a gas due to a reduction in temperature, e.g., water that condenses from flue gases and water that condenses from air circulating through the cooling coil in air conditioning equipment.

**CONDENSING APPLIANCE.** An appliance that condenses water generated by the burning of fuels.

**CONDITIONED AIR.** Air treated to control its temperature, relative humidity or quality.

**CONDITIONED AREA.** That area within a building provided with heating and/or cooling systems or appliances capable of maintaining, through design or heat loss/gain, 68°F (20°C) during the heating season and/or 80°F (27°C) during the cooling season, or has a fixed opening directly adjacent to a conditioned area.

**CONDITIONED FLOOR AREA.** The horizontal projection of the floors associated with the conditioned space.

**CONDITIONED SPACE.** See Chapter 11 for the definition of “Conditioned space.”

**CONDOMINIUM.** Condominiums not built as townhouses or rowhouses (see Appendix N).

**CONFINED SPACE.** A room or space having a volume less than 50 cubic feet per 1,000 Btu/h (4.83 L/W) of the aggregate input rating of all fuel-burning appliances installed in that space.

**CONSTRUCTION DOCUMENTS.** Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project necessary for obtaining a building permit. Construction drawings shall be drawn to an appropriate scale.

**CONTROL, LIMIT.** An automatic control responsive to changes in liquid flow or level, pressure, or temperature for limiting the operation of an appliance.

**CONTROL, PRIMARY SAFETY.** A safety control responsive directly to flame properties that senses the presence or absence of flame and, in event of ignition failure or unintentional flame extinguishment, automatically causes shutdown of mechanical equipment.

**CONVECTOR.** A system-incorporating heating element in an enclosure in which air enters an opening below the heating element, is heated and leaves the enclosure through an opening located above the heating element.

**CORROSION RESISTANCE.** The ability of a material to withstand deterioration of its surface or its properties when exposed to its environment.

**COURT.** A space, open and unobstructed to the sky, located at or above grade level on a lot and bounded on three or more sides by walls or a building.

**CRIPPLE WALL.** A framed stud wall that is less than 96 inches (2438 mm) in height extending from the top of a concrete or masonry foundation to the underside of floor framing for the lowest occupied floor level or from the top of a daylight basement concrete or masonry foundation wall to the underside of the framing above.

**DALLE GLASS.** A decorative composite glazing material made of individual pieces of glass that are embedded in a cast matrix of concrete or epoxy.

**DAMPER, VOLUME.** A device that will restrict, retard or direct the flow of air in any duct, or the products of combustion of heat-producing equipment, vent connector, vent or chimney.

**DEAD LOADS.** The weight of all materials of construction incorporated into the building, including but not limited to walls, floors, roofs, ceilings, stairways, built-in partitions, finishes, cladding, and other similarly incorporated architectural and structural items, and fixed service equipment.

**DECK.** An exterior floor system supported on at least two opposing sides by an adjoining structure and/or posts, piers, or other independent supports.

**DECORATIVE GLASS.** A carved, leaded or Dalle glass or glazing material whose purpose is decorative or artistic, not functional; whose coloring, texture or other design qualities or components cannot be removed without destroying the glazing material; and whose surface, or assembly into which it is incorporated, is divided into segments.

**DESIGN PROFESSIONAL.** See definition of "Registered design professional."

**DIAPHRAGM.** A horizontal or nearly horizontal system acting to transmit lateral forces to the vertical resisting elements. When the term "diaphragm" is used, it includes horizontal bracing systems.

**DILUTION AIR.** Air that enters a draft hood or draft regulator and mixes with flue gases.

**DIRECT-VENT APPLIANCE.** A fuel-burning appliance with a sealed combustion system that draws all air for combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere.

**DRAFT.** The pressure difference existing between the appliance or any component part and the atmosphere, that causes a continuous flow of air and products of combustion through the gas passages of the appliance to the atmosphere.

**Induced draft.** The pressure difference created by the action of a fan, blower or ejector, that is located between the appliance and the chimney or vent termination.

**Natural draft.** The pressure difference created by a vent or chimney because of its height, and the temperature difference between the flue gases and the atmosphere.

**DRAFT HOOD.** A device built into an appliance, or a part of the vent connector from an appliance, which is designed to provide for the ready escape of the flue gases from the appliance in the event of no draft, backdraft or stoppage beyond the draft hood; prevent a backdraft from entering the appliance; and neutralize the effect of stack action of the chimney or gas vent on the operation of the appliance.

**DRAFT REGULATOR.** A device that functions to maintain a desired draft in the appliance by automatically reducing the draft to the desired value.

**DRAFT STOP.** A material, device or construction installed to restrict the movement of air within open spaces of concealed areas of building components such as crawl spaces, floor-ceiling assemblies, roof-ceiling assemblies and attics.

**DUCT SYSTEM.** A continuous passageway for the transmission of air which, in addition to ducts, includes duct fittings, dampers, plenums, fans and accessory air-handling equipment and appliances.

**DWELLING.** Any building that contains one or two dwelling units used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes. (See also "Multiple-family dwelling" and "Covered multiple-family dwelling," Appendix N and Appendix O.)

**DWELLING UNIT.** A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.

**EMERGENCY ESCAPE AND RESCUE OPENING.** An operable window, door or similar device that provides for a means of escape and access for rescue in the event of an emergency.

**EQUIPMENT.** All piping, ducts, vents, control devices and other components of systems other than appliances that are permanently installed and integrated to provide control of environmental conditions for buildings. This definition shall also include other systems specifically regulated in this code.

**ESSENTIALLY NONTOXIC TRANSFER FLUIDS.** Fluids having a Gosselin rating of 1, including propylene glycol; mineral oil; polydimethyloil oxane; hydrochlorofluorocarbon,

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chlorofluorocarbon and hydrofluorocarbon refrigerants; and FDA-approved boiler water additives for steam boilers.

**ESSENTIALLY TOXIC TRANSFER FLUIDS.** Soil, water or gray water and fluids having a Gosselin rating of 2 or more including ethylene glycol, hydrocarbon oils, ammonia refrigerants and hydrazine.

**EVAPORATIVE COOLER.** A device used for reducing air temperature by the process of evaporating water into an airstream.

**EXCESS AIR.** Air that passes through the combustion chamber and the appliance flue in excess of that which is theoretically required for complete combustion.

**EXHAUST HOOD, FULL OPENING.** An exhaust hood with an opening at least equal to the diameter of the connecting vent.

**EXTERIOR INSULATION FINISH SYSTEMS (EIFS).** Synthetic stucco cladding systems typically consisting of five layers: adhesive, insulation board, base coat into which fiberglass reinforcing mesh is embedded, and a finish coat in the desired color.

**EXTERIOR WALL.** An above-grade wall enclosing conditioned space. Includes between floor spandrels, peripheral edges of floors, roof and basement knee walls, dormer walls, gable end walls, walls enclosing a mansard roof, and basement walls with an average below grade wall area that is less than 50 percent of the total opaque and non-opaque area of that enclosing side. For definition as it applies to energy efficiency, see Chapter 11.

**FACTORY-BUILT CHIMNEY.** A listed and labeled chimney composed of factory-made components assembled in the field in accordance with the manufacturer's instructions and the conditions of the listing.

**FENESTRATION.** See Chapter 11 for the definition of "Fenestration."

**FIBER CEMENT SIDING.** A manufactured, fiber-reinforcing product made with an inorganic hydraulic or calcium silicate binder formed by chemical reaction and reinforced with organic or inorganic non-asbestos fibers, or both. Additives which enhance manufacturing or product performance are permitted. Fiber cement siding products have either smooth or textured faces and are intended for exterior wall and related applications.

**FIREBLOCKING.** Building materials installed to resist the free passage of flame to other areas of the building through concealed spaces.

**FIREPLACE.** An assembly consisting of a hearth and fire chamber of noncombustible material and provided with a chimney, for use with solid fuels.

**Factory-built fireplace.** A listed and labeled fireplace and chimney system composed of factory-made components, and assembled in the field in accordance with manufacturer's instructions and the conditions of the listing.

**Masonry chimney.** A field-constructed chimney composed of solid masonry units, bricks, stones or concrete.

**Masonry fireplace.** A field-constructed fireplace composed of solid masonry units, bricks, stones or concrete.

**FIREPLACE STOVE.** A free-standing, chimney-connected solid-fuel-burning heater designed to be operated with the fire chamber doors in either the open or closed position.

**FIREPLACE THROAT.** The opening between the top of the firebox and the smoke chamber.

**FIRE SEPARATION DISTANCE.** The distance measured from the building face to the closest interior lot line, to the centerline of a street, alley or public way, or to an imaginary line between two buildings on the property. The distance shall be measured at right angles from the lot line.

**FLAME SPREAD.** The propagation of flame over a surface.

**FLAME SPREAD INDEX.** The numeric value assigned to a material tested in accordance with ASTM E 84.

**FLOOR FURNACE.** A self-contained furnace suspended from the floor of the space being heated, taking air for combustion from outside such space, and with means for lighting the appliance from such space.

**FLUE.** A passageway within a chimney or vent through which gaseous products of combustion pass.

**FLUE, APPLIANCE.** The passages within an appliance through which combustion products pass from the combustion chamber to the flue collar.

**FLUE COLLAR.** The portion of a fuel-burning appliance designed for the attachment of a draft hood, vent connector or venting system.

**FLUE GASES.** Products of combustion plus excess air in appliance flues or heat exchangers.

**FOAM PLASTIC INSULATION.** A plastic that is intentionally expanded by the use of a foaming agent to produce a reduced-density plastic consisting open or closed cells distributed throughout the plastic and that has a density less than 20 pounds per cubic foot (320 kg/m<sup>3</sup>).

**FUEL-PIPING SYSTEM.** All piping, tubing, valves and fittings used to connect fuel utilization equipment to the point of fuel delivery.

**FURNACE.** A vented heating appliance designed or arranged to discharge heated air into a conditioned space or through a duct or ducts.

**GLAZING AREA.** The interior surface area of all glazed fenestration, including the area of sash, curbing or other framing elements, that enclose conditioned space. Includes the area of glazed fenestration assemblies in walls bounding conditioned basements.

**GRADE.** The finished ground level adjoining the building at all exterior walls.

**GRADE FLOOR OPENING.** A window or other opening located such that the sill height of the opening is not more than 44 inches (1118 mm) above or below the finished ground level adjacent to the opening.

**GRADE PLANE.** A reference plane representing the average of the finished ground level adjoining the building at all exterior walls.

**GROUND-SOURCE HEAT PUMP LOOP SYSTEM.** Piping buried in horizontal or vertical excavations or placed in a body of water for the purpose of transporting heat transfer liquid to and from a heat pump. Included in this definition are closed loop systems in which the liquid is recirculated and open loop systems in which the liquid is drawn from a well or other source.

**GUARD.** A building component or a system of building components located near the open sides of elevated walking surfaces that minimizes the possibility of a fall from the walking surface to the lower level.

**HABITABLE SPACE.** A space in a building for living, sleeping, eating or cooking. Bathrooms, toilet rooms, closets, halls, storage or utility spaces and similar areas are not considered habitable spaces.

**HANDRAIL.** A horizontal or sloping rail intended for grasping by the hand for guidance or support.

> **HAZARDOUS LOCATION.** Any location considered to be a fire hazard for flammable vapors, dust, combustible fibers or other highly combustible substances.

**HEATING DEGREE DAYS (HDD).** The sum, on an annual basis, of the difference between 65°F (18°C) and the mean temperature for each day as determined from “NOAA Annual Degree Days to Selected Bases Derived from the 1960-1990 Normals” or other weather data sources acceptable to the code official.

**HEAT PUMP.** An appliance having heating or heating/cooling capability and that uses refrigerants to extract heat from air, liquid or other sources.

**HEIGHT, BUILDING.** The vertical distance from grade plane to the average height of the highest roof surface.

**HEIGHT, STORY.** The vertical distance from top to top of two successive tiers of beams or finished floor surfaces; and, for the topmost story, from the top of the floor finish to the top of the ceiling joists or, where there is not a ceiling, to the top of the roof rafters.

**HIGH-TEMPERATURE (H.T.) CHIMNEY.** A high temperature chimney complying with the requirements of UL 103. A Type H.T. chimney is identifiable by the markings “Type H.T.” on each chimney pipe section.

> **HURRICANE-PRONE REGIONS.** Areas vulnerable to hurricanes, defined as the U.S. Atlantic Ocean and Gulf of Mexico coasts where the basic wind speed is greater than 90 miles per hour (145 km/h), and Hawaii, Puerto Rico, Guam, Virgin Islands, and America Samoa.

**HYDROGEN GENERATING APPLIANCE.** A self-contained package or factory-matched packages of integrated systems for generating gaseous hydrogen. Hydrogen generating appliances utilize electrolysis, reformation, chemical, or other processes to generate hydrogen.

**IGNITION SOURCE.** A flame, spark or hot surface capable of igniting flammable vapors or fumes. Such sources include appliance burners, burner ignitions and electrical switching devices.

> **INSULATING CONCRETE FORM (ICF).** A concrete forming system using stay-in-place forms of rigid foam plastic

insulation, a hybrid of cement and foam insulation, a hybrid of cement and wood chips, or other insulating material for constructing cast-in-place concrete walls.

**INSULATING SHEATHING.** An insulating board having a minimum thermal resistance of R-2 of the core material.

**IONIZATION SMOKE DETECTION.** The principal of using a small amount of radioactive material to ionize the air leakage between two differentially charged electrodes to sense the presence of smoke particles. Smoke particles entering the ionization volume decrease the conductance of the air by reducing ion mobility. The reduced conductance signal is processed and used to convey an alarm condition when it meets preset criteria.

**JURISDICTION.** The governmental unit that has adopted this code under due legislative authority.

**KITCHEN.** Kitchen shall mean an area used, or designated to be used, for the preparation of food.

**LABEL.** An identification applied on a product by the manufacturer which contains the name of the manufacturer, the function and performance characteristics of the product or material, and the name and identification of an approved agency and that indicates that the representative sample of the product or material has been tested and evaluated by an approved agency. (See also “Manufacturer’s designation” and “Mark.”)

**LABELED.** Devices, equipment or materials to which have been affixed a label, seal, symbol or other identifying mark of a testing laboratory, inspection agency or other organization concerned with product evaluation that maintains periodic inspection of the production of the above labeled items that attests to compliance with a specific standard.

**LIGHT-FRAMED CONSTRUCTION.** A type of construction whose vertical and horizontal structural elements are primarily formed by a system of repetitive wood or light gage steel framing members.

**LISTED AND LISTING.** Terms referring to equipment that is shown in a list published by an approved testing agency qualified and equipped for experimental testing and maintaining an adequate periodic inspection of current productions and whose listing states that the equipment complies with nationally recognized standards when installed in accordance with the manufacturer’s installation instructions.

**LIVE LOADS.** Those loads produced by the use and occupancy of the building or other structure and do not include construction or environmental loads such as wind load, snow load, rain load, earthquake load, flood load or dead load.

**LIVING SPACE.** Space within a dwelling unit utilized for living, sleeping, eating, cooking, bathing, washing and sanitation purposes.

**LOT.** A portion or parcel of land considered as a unit.

**LOT LINE.** A line dividing one lot from another, or from a street or any public place.

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**MANUFACTURED HOME.** See ORS 446.003(26).

ORS 446.003(26) is not part of this code but is reproduced here for the reader's convenience.

ORS 446.003 Definitions for ORS 446.003 to 446.200 and 446.225 to 446.285 and ORS Chapters 195, 196, 197, 215 and 227. (26)(a)(C) "Manufactured Home:"

(i) For any purpose other than that set forth in subparagraph (ii) of this subparagraph, "Manufactured home" means a structure constructed for movement on the public highways that has sleeping, cooking and plumbing facilities, that is intended for human occupancy, that is being used for residential purposes and that was constructed in accordance with federal manufactured housing construction and safety standards and regulations in effect at the time of construction; or

(ii) For purposes of implementing any contract pertaining to manufactured homes between the department and the federal government, "Manufactured home" has the meaning given the term in the contract.

**MANUFACTURER'S DESIGNATION.** An identification applied on a product by the manufacturer indicating that a product or material complies with a specified standard or set of rules. (See also "Mark" and "Label.")

**MANUFACTURER'S INSTALLATION INSTRUCTIONS.** Printed instructions included with equipment as part of the conditions of listing and labeling.

**MARK.** An identification applied on a product by the manufacturer indicating the name of the manufacturer and the function of a product or material. (See also "Manufacturer's designation" and "Label.")

**MASONRY CHIMNEY.** A field-constructed chimney composed of solid masonry units, bricks, stones or concrete.

**MASONRY HEATER.** A masonry heater is a solid fuel burning heating appliance constructed predominantly of concrete or solid masonry having a mass of at least 1,100 lb. (500 kg), excluding the chimney and foundation. It is designed to absorb and store a substantial portion of heat from a fire built in the firebox by routing exhaust gases through internal heat exchange channels in which the flow path downstream of the firebox includes at least one 180-degree (3.14-rad) change in flow direction before entering the chimney and which deliver heat by radiation through the masonry surface of the heater.

**MASONRY, SOLID.** Masonry consisting of solid masonry units laid contiguously with the joints between the units filled with mortar.

**MASONRY UNIT.** Brick, tile, stone, glass block or concrete block conforming to the requirements specified in Section 2103 of the *Oregon Structural Specialty Code*.

**Clay.** A building unit larger in size than a brick, composed of burned clay, shale, fire clay or mixtures thereof.

**Concrete.** A building unit or block larger in size than 12 inches by 4 inches by 4 inches (305 mm by 102 mm by 102 mm) made of cement and suitable aggregates.

**Glass.** Nonload-bearing masonry composed of glass units bonded by mortar.

**Hollow.** A masonry unit whose net cross-sectional area in any plane parallel to the loadbearing surface is less than 75 percent of its gross cross-sectional area measured in the same plane.

**Solid.** A masonry unit whose net cross-sectional area in every plane parallel to the loadbearing surface is 75 percent or more of its cross-sectional area measured in the same plane.

**MASS WALL.** Masonry or concrete walls having a mass greater than or equal to 30 pounds per square foot (146 kg/m<sup>2</sup>), solid wood walls having a mass greater than or equal to 20 pounds per square foot (98 kg/m<sup>2</sup>), and any other walls having a heat capacity greater than or equal to 6 Btu/ft<sup>2</sup> · °F [266 J/(m<sup>2</sup> · k)].

**MEAN ROOF HEIGHT.** The average of the roof eave height and the height to the highest point on the roof surface, except that eave height shall be used for roof angle of less than or equal to 10 degrees (0.18 rad).

**MECHANICAL DRAFT SYSTEM.** A venting system designed to remove flue or vent gases by mechanical means, that consists of an induced draft portion under nonpositive static pressure or a forced draft portion under positive static pressure.

**Forced-draft venting system.** A portion of a venting system using a fan or other mechanical means to cause the removal of flue or vent gases under positive static pressure.

**Induced draft venting system.** A portion of a venting system using a fan or other mechanical means to cause the removal of flue or vent gases under nonpositive static vent pressure.

**Power venting system.** A portion of a venting system using a fan or other mechanical means to cause the removal of flue or vent gases under positive static vent pressure.

**MECHANICAL EXHAUST SYSTEM.** A system for removing air from a room or space by mechanical means.

**MECHANICAL SYSTEM.** A system specifically addressed and regulated in this code and composed of components, devices, appliances and equipment.

**METAL ROOF PANEL.** An interlocking metal sheet having a minimum installed weather exposure of at least 3 square feet (0.28 m<sup>2</sup>) per sheet.

**METAL ROOF SHINGLE.** An interlocking metal sheet having an installed weather exposure less than 3 square feet (0.28 m<sup>2</sup>) per sheet.

**MEZZANINE, LOFT.** An intermediate level or levels between the floor and ceiling of any story with an aggregate floor area of not more than one-third of the area of the room or space in which the level or levels are located.

**MODIFIED BITUMEN ROOF COVERING.** One or more layers of polymer modified asphalt sheets. The sheet materials shall be fully adhered or mechanically attached to the substrate or held in place with an approved ballast layer.

**MULTIPLE-FAMILY DWELLING.** See Appendix N and "Dwelling."

**MULTIPLE STATION SMOKE ALARM.** Two or more single station alarm devices that are capable of interconnection such that actuation of one causes all integral or separate audible alarms to operate.

**NATURAL DRAFT SYSTEM.** A venting system designed to remove flue or vent gases under nonpositive static vent pressure entirely by natural draft.

**NONCOMBUSTIBLE MATERIAL.** Materials that pass the test procedure for defining noncombustibility of elementary materials set forth in ASTM E 136.

**NONCONDITIONED SPACE.** A space that is not a conditioned space by insulated walls, floors or ceilings.

**OCCUPIED SPACE.** The total area of all buildings or structures on any lot or parcel of ground projected on a horizontal plane, excluding permitted projections as allowed by this code.

**OWNER.** Any person, agent, firm or corporation having a legal or equitable interest in the property.

**PELLET FUEL-BURNING APPLIANCE.** A closed combustion, vented appliance equipped with a fuel feed mechanism for burning processed pellets of solid fuel of a specified size and composition.

**PELLET VENT.** A vent listed and labeled for use with a listed pellet fuel-burning appliance.

**PERMIT.** An official document or certificate issued by the authority having jurisdiction that authorizes performance of a specified activity.

**PERSON.** An individual, heirs, executors, administrators or assigns, and also includes a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

**PHOTOELECTRIC LIGHT OBSCURATION SMOKE DETECTION.** The principle of utilizing a light source and a photosensitive sensor onto which the principle portion of the source emissions is focused. When smoke particles enter the light path, some of the light is scattered and some is absorbed, thereby reducing the light reaching the reducing sensor. The light reduction signal is processed and used to convey an alarm condition when it meets preset criteria.

**PHOTOELECTRIC LIGHT-SCATTERING SMOKE DETECTION.** The principle of utilizing a light source and a photosensitive sensor arranged in a manner so that the rays from the light source do not normally fall on the photosensitive sensor. When smoke particles enter the light path some of the light is scattered by reflection and refraction onto the sensor. The light signal is processed and used to convey an alarm condition when it meets preset criteria.

**PLATFORM CONSTRUCTION.** A method of construction by which floor framing bears on load bearing walls that are not continuous through the story levels or floor framing.

**PLENUM.** A chamber that forms part of an air-circulation system other than the occupied space being conditioned.

**POLLUTION.** An impairment of the quality of the potable water to a degree that does not create a hazard to the public health but that does adversely and unreasonably affect the aesthetic qualities of such potable water for domestic use.

**PORTABLE FUEL CELL APPLIANCE.** A fuel cell generator of electricity, which is not fixed in place. A portable fuel cell appliance utilizes a cord and plug connection to a grid-isolated load and has an integral fuel supply.

**POSITIVE ROOF DRAINAGE.** The drainage condition in which consideration has been made for all loading deflections of the roof deck, and additional slope has been provided to ensure drainage of the roof within 48 hours of precipitation.

**PUBLIC WAY.** Any street, alley or other parcel of land open to the outside air leading to a public street, which has been deeded, dedicated or otherwise permanently appropriated to the public for public use and that has a clear width and height of not less than 10 feet (3048 mm).

**PURGE.** To clear of air, gas or other foreign substances.

**R-VALUE, THERMAL RESISTANCE.** The inverse of the time rate of heat flow through a building thermal envelope element from one of its bounding surfaces to the other for a unit temperature difference between the two surfaces, under steady state conditions, per unit area ( $h \cdot ft^2 \cdot ^\circ F/Btu$ ).

**RAMP.** A walking surface that has a running slope steeper than 1 unit vertical in 20 units horizontal (5-percent slope).

**REFRIGERANT.** A substance used to produce refrigeration by its expansion or evaporation.

**REFRIGERANT COMPRESSOR.** A specific machine, with or without accessories, for compressing a given refrigerant vapor.

**REFRIGERATING SYSTEM.** A combination of interconnected parts forming a closed circuit in which refrigerant is circulated for the purpose of extracting, then rejecting, heat. A direct refrigerating system is one in which the evaporator or condenser of the refrigerating system is in direct contact with the air or other substances to be cooled or heated. An indirect refrigerating system is one in which a secondary coolant cooled or heated by the refrigerating system is circulated to the air or other substance to be cooled or heated.

**REGISTERED DESIGN PROFESSIONAL.** An individual who is registered or licensed to practice as an architect, engineer, engineering geologist, geologist or land surveyor as defined by the Oregon statutory requirements of his or her respective professional registration laws of the state.

**RELIEF VALVE (DEVICE).** A safety valve designed to forestall the development of dangerous condition by relieving either pressure, temperature or vacuum in the hot water supply system.

**RELIEF VALVE, PRESSURE.** An automatic valve which opens and closes a relief vent, depending on whether the pressure is above or below a predetermined value.

**RELIEF VALVE, TEMPERATURE.**

**Reseating or self-closing type.** An automatic valve which opens and closes a relief vent, depending on whether the temperature is above or below a predetermined value.

**Manual reset type.** A valve which automatically opens a relief vent at a predetermined temperature and which must be manually returned to the closed position.

DEFINITIONS

**RELIEF VALVE, VACUUM.** A valve that automatically opens and closes a vent for relieving a vacuum within the hot water supply system, depending on whether the vacuum is above or below a predetermined value.

**REPAIR.** The reconstruction or renewal of any part of an existing building for the purpose of its maintenance.

**REROOFING.** The process of recovering or replacing an existing roof covering. See "Roof recover."

**RETURN AIR.** Air removed from an approved conditioned space or location and recirculated or exhausted.

**ROOF ASSEMBLY.** A system designed to provide weather protection and resistance to design loads. The system consists of a roof covering and roof deck or a single component serving as both the roof covering and the roof deck. A roof assembly includes the roof deck, vapor retarder, substrate or thermal barrier, insulation, vapor retarder, and roof covering.

**ROOF COVERING.** The covering applied to the roof deck for weather resistance, fire classification or appearance.

**ROOF COVERING SYSTEM.** See "Roof assembly."

**ROOF DECK.** The flat or sloped surface not including its supporting members or vertical supports.

**ROOF RECOVER.** The process of installing an additional roof covering over a prepared existing roof covering without removing the existing roof covering.

**ROOF REPAIR.** Reconstruction or renewal of any part of an existing roof for the purposes of its maintenance.

**ROOFTOP STRUCTURE.** An enclosed structure on or above the roof of any part of a building.

**ROOM HEATER.** A freestanding heating appliance installed in the space being heated and not connected to ducts.

**ROWHOUSE.** Single-family dwelling units that meet the definition of a townhouse and two-family dwellings where the dwelling units are separated from each other by a property line. Commonly referred to as a "zero-lot line dwelling."

**RUNNING BOND.** The placement of masonry units such that head joints in successive courses are horizontally offset at least one-quarter the unit length.

**SCUPPER.** An opening in a wall or parapet that allows water to drain from a roof.

**SEISMIC DESIGN CATEGORY.** A classification assigned to a structure based on its Seismic Group and the severity of the design earthquake ground motion at the site.

**SHAFT.** An enclosed space extending through one or more stories of a building, connecting vertical openings in successive floors, or floors and roof.

**SHAFT ENCLOSURE.** The walls or construction forming the boundaries of a shaft.

**SHALL.** The term, when used in the code, is construed as mandatory.

**SHEARWALL.** A general term for walls that are designed and constructed to resist racking from seismic and wind by use of masonry, concrete, cold-formed steel or wood framing in ac-

cordance with Chapter 6 of this code and the associated limitations in Section R301.2 of this code.

**SINGLE PLY MEMBRANE.** A roofing membrane that is field applied using one layer of membrane material (either homogeneous or composite) rather than multiple layers.

**SINGLE STATION SMOKE ALARM.** An assembly incorporating the detector, control equipment and alarm sounding device in one unit that is operated from a power supply either in the unit or obtained at the point of installation.

**SKYLIGHT AND SLOPED GLAZING.** See Section R308.6.1.

**SKYLIGHT, UNIT.** See Section R308.6.1.

**SMOKE-DEVELOPED RATING.** A numerical index indicating the relative density of smoke produced by burning assigned to a material tested in accordance with ASTM E 84.

**SOLAR HEAT GAIN COEFFICIENT (SHGC).** The solar heat gain through a fenestration or glazing assembly relative to the incident solar radiation (Btu/h · ft<sup>2</sup> · °F).

**SOLID MASONRY.** Load-bearing or nonload-bearing construction using masonry units where the net cross-sectional area of each unit in any plane parallel to the bearing surface is not less than 75 percent of its gross cross-sectional area. Solid masonry units shall conform to ASTM C 55, C 62, C 73, C 145 or C 216.

**STACKBOND.** The placement of masonry units in a bond pattern is such that head joints in successive courses are vertically aligned. For the purpose of this code, requirements for stack bond shall apply to all masonry laid in other than running bond.

**STANDARD TRUSS.** Any construction that does not permit the roof/ceiling insulation to achieve the required R-value over the exterior walls.

**STATIONARY FUEL CELL POWER PLANT.** A self-contained package or factory-matched packages which constitute an automatically-operated assembly of integrated systems for generating useful electrical energy and recoverable thermal energy that is permanently connected and fixed in place.

**STORY.** That portion of a building included between the upper surface of any floor and the upper surface of the floor next above, except that the topmost story shall be that portion of the building included between the upper surface of the top-most floor and the ceiling or roof above. If the finished floor level directly above a usable or unused underfloor space is more than 6 feet (1829 mm) above grade, as defined herein, for more than 50 percent of the total perimeter or is more than 12 feet (3658 mm) above grade, as defined herein, at any point, such usable or unusable underfloor space shall be considered as a story.

**STORY, FIRST.** The lowest story in a building that qualifies as a story, as defined herein, except that a floor level in a building having only one floor level shall be classified as a first story, provided such floor level is not more than 4 feet (1219 mm) below grade, as defined herein, for more than 50 percent of the total perimeter, or not more than 8 feet (2419 mm) below grade, as defined herein, at any point.

**STRUCTURAL INSULATED PANELS (SIPS).** Factory fabricated panels of solid core insulation with structural skins of oriented strand board (OSB) or plywood.



**STRUCTURALLY DEPENDENT BUILDING.** A building in which individual dwelling units are designed to rely on adjacent units for structural support for vertical or lateral loads.

**STRUCTURALLY INDEPENDENT BUILDING.** A building where individual dwelling units meet the requirements of Section R317.2.4 and are designed to have independent vertical and lateral load-resisting systems capable of resisting all applied directional loads.

**STRUCTURE.** That which is built or constructed.

**SUNROOM ADDITION.** A one-story structure added to an existing dwelling with a glazing area in excess of 40 percent of the gross area of the structure's exterior walls and roof.

**SUPPLY AIR.** Air delivered to a conditioned space through ducts or plenums from the heat exchanger of a heating, cooling or ventilating system.

**SUPPORTS.** Devices for supporting, hanging and securing pipes, fixtures and equipment.

**THERMAL ISOLATION.** A separation of conditioned spaces, between a sunroom addition and a dwelling unit, consisting of existing or new wall(s), doors, and/or windows.

**THERMAL RESISTANCE, R-VALUE.** See Chapter 11 for the definition of "Thermal resistance (R)."

**TOWNHOUSE.** A single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from foundation to roof and with open space on at least two sides.

**TRIM.** Picture molds, chair rails, baseboards, handrails, door and window frames, and similar decorative or protective materials used in fixed applications.

**TRUSS DESIGN DRAWING.** The graphic depiction of an individual truss, which describes the design and physical characteristics of the truss.

**TYPE L VENT.** A listed and labeled vent conforming to UL 641 for venting oil-burning appliances listed for use with Type L vents or with gas appliances listed for use with Type B vents.

**U-FACTOR, THERMAL TRANSMITTANCE.** See Chapter 11 for the definition of "Thermal transmittance."

**UNCONFINED SPACE.** A space having a volume not less than 50 cubic feet per 1,000 Btu/h (4.8 m<sup>3</sup>/kW) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of the unconfined space.

**UNDER-LAYMENT.** One or more layers of felt, sheathing paper, nonbituminous saturated felt, or other approved material over which a roof covering, with a slope of 2 to 12 (17-percent slope) or greater, is applied.

**VAPOR PERMEABLE MEMBRANE.** A material or covering having a permeance rating of 5 perms (52.9 · 10<sup>-10</sup> kg/Pa · s · m<sup>2</sup>) or greater, when tested in accordance with the desiccant method using Procedure A of ASTM E96. A vapor permeable material permits the passage of moisture vapor.

**VAPOR RETARDER.** A vapor resistant material, membrane or covering such as foil, plastic sheeting, or insulation facing

having a permeance rating of 1 perm (5.7 · 10<sup>-11</sup> kg/Pa · s · m<sup>2</sup>) or less, when tested in accordance with the desiccant method using Procedure A of ASTM E 96. Vapor retarders limit the amount of moisture vapor that passes through a material or wall assembly.

**VENT.** A passageway for conveying flue gases from fuel-fired appliances, or their vent connectors, to the outside atmosphere.

**VENT COLLAR.** See "Flue collar."

**VENT CONNECTOR.** That portion of a venting system which connects the flue collar or draft hood of an appliance to a vent.

**VENT DAMPER DEVICE, AUTOMATIC.** A device intended for installation in the venting system, in the outlet of an individual, automatically operated fuel burning appliance and that is designed to open the venting system automatically when the appliance is in operation and to close off the venting system automatically when the appliance is in a standby or shutdown condition.

**VENT GASES.** Products of combustion from fuel-burning appliances, plus excess air and dilution air, in the venting system above the draft hood or draft regulator.

**VENTILATION.** The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space.

**VENTING.** Removal of combustion products to the outdoors.

**VENTING SYSTEM.** A continuous open passageway from the flue collar of an appliance to the outside atmosphere for the purpose of removing flue or vent gases. A venting system is usually composed of a vent or a chimney and vent connector, if used, assembled to form the open passageway.

**WALLS.** Walls shall be defined as follows:

**Load-bearing wall** is a wall supporting any vertical load in addition to its own weight.

**Nonbearing wall** is a wall which does not support vertical loads other than its own weight.

**WIND BORNE DEBRIS REGION.** Areas within hurricane-prone regions within one mile of the coastal mean high water line where the basic wind speed is 110 miles per hour (177 km/h) or greater; or where the basic wind speed is equal to or greater than 120 miles per hour (193 km/h); or Hawaii.

**WINDER.** A tread with non-parallel edges.

**WOOD STRUCTURAL PANEL.** A panel manufactured from veneers; or wood strands or wafers; bonded together with waterproof synthetic resins or other suitable bonding systems. Examples of wood structural panels are plywood, OSB or composite panels.

**YARD.** An open space, other than a court, unobstructed from the ground to the sky, except where specifically provided by this code, on the lot on which a building is situated.

