

## **4101:8-2-01 Definitions.**

*[Comment: When a reference is made within this rule to a federal statutory provision, an industry consensus standard, or any other technical publication, the specific date and title of the publication as well as the name and address of the promulgating agency are listed in rule 4101:8-44-01 of the Administrative Code. The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:8-1-01 of the Administrative Code.]*

### **SECTION 201 GENERAL**

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

**201.2 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.

**201.3 Terms defined in other codes.** Where terms are not defined in this code such terms shall have the meanings ascribed *to them as* in other codes adopted and referenced by the Board of Building Standards (the Board).

**201.4 Terms not defined.** Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies.

### **SECTION 202 DEFINITIONS**

**ABOVE-GRADE WALL.** *A wall more than 50 percent above grade and enclosing conditioned space. This includes between-floor spandrels, peripheral edges of floors, roof and basement knee walls, dormer walls, gable end walls, walls enclosing a mansard roof and skylight shafts.*

**ABOVE-GROUND STORAGE TANK.** *A vessel, intended for fixed installation above grade, at grade, or below grade without backfill, used for the purpose of bulk-storage, dispensing, handling or processing of hazardous, flammable or combustible liquids or gases and not connected to and utilized for the operation of building service equipment.*

**ACCESS (TO).** That which enables a device, an appliance or equipment to be reached by ready access or by a means that first requires the removal or movement of a panel, door or similar obstruction.

**ACCESSIBLE.** *Admitting close approach as a result of not being guarded by locked doors, elevation or other effective means (see “Readily accessible”).*

**ACCESSORY STRUCTURE.** *A building, the use of which is incidental to that of the dwelling(s) and that is located on the same lot.*

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

***Addition (Chapter 11 Energy Conservation).** An extension or increase in the conditioned space floor area, number of stories or height of a building or structure.*

**ADHERED STONE OR MASONRY VENEER.** Stone or masonry veneer secured and supported through the adhesion of an approved bonding material applied to an approved backing.

**AIR ADMITTANCE VALVE.** A one-way valve designed to allow air into the plumbing drainage system where a negative pressure develops in the piping. This device shall close by gravity and seal the terminal under conditions of zero differential pressure (no flow conditions) and under positive internal pressure.

**AIR BARRIER.** *One or more materials joined together in a continuous manner to restrict or prevent the passage of air through the building thermal envelope and its assemblies.*

**AIR BREAK (DRAINAGE SYSTEM).** An arrangement where a discharge pipe from a fixture, appliance or device drains indirectly into a receptor below the flood-level rim of the receptor and above the trap seal.

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

**AIR CONDITIONER, GAS-FIRED.** *A gas-burning, automatically operated appliance for supplying cooled air, dehumidified air, or both, or chilled liquid.*

**AIR CONDITIONING.** *The treatment of air so as to control simultaneously the temperature, humidity, cleanness and distribution of the air to meet the requirements of a conditioned space.*

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

**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 GAP, DRAINAGE SYSTEM.** The unobstructed vertical distance through free atmosphere between the outlet of a waste pipe and the flood-level rim of the fixture or receptor into which it is discharging.

**AIR GAP, WATER-DISTRIBUTION SYSTEM.** The unobstructed vertical distance through free atmosphere between the lowest opening from a water supply discharge to the flood-level rim of a plumbing fixture.

**AIR-HANDLING UNIT.** *A blower or fan used for the purpose of distributing supply air to a room, space or area.*

**AIR-IMPERMEABLE INSULATION.** An insulation having an air permeance equal to or less than  $0.02 \text{ L/s-m}^2$  at 75 Pa pressure differential as tested in accordance with ASTM E2178 or E283 *and that can function as an air barrier material as required in Chapter 11.*

**AIR, MAKEUP.** *Any combination of outdoor and transfer air intended to replace exhaust air and exfiltration.*

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

*Alteration (Chapter 24 Fuel gas) The construction or renovation to an existing structure other than repair or addition.*

**ALTERNATING TREAD DEVICE.** A device that has a series of steps between 50 and 70 degrees (0.87 and 1.22 rad) from horizontal, usually attached

to a center support rail in an alternating manner so that the user does not have both feet on the same level at the same time.

**ANCHORED STONE OR MASONRY VENEER.** Stone or masonry veneer secured with approved mechanical fasteners to an approved backing.

**ANCHORS.** See “Supports.”

**ANODELESS RISER.** *A transition assembly in which plastic piping is installed and terminated above ground outside of a building.*

**ANTISIPHON.** A term applied to valves or mechanical devices that eliminate siphonage.

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

***Appliance (Chapter 24 Fuel gas).** Any apparatus or device that utilizes a fuel or a raw material as a fuel to produce light, heat, power, refrigeration or air conditioning. Also, an apparatus that compresses fuel gases.*

**APPLIANCE, AUTOMATICALLY CONTROLLED.** *Appliances equipped with an automatic burner ignition and safety shutoff device and other automatic devices that accomplish complete turn-on and shutoff of the gas to the main burner or burners, and graduate the gas supply to the burner or burners, but do not affect complete shutoff of the gas.*

**APPLIANCE, FAN-ASSISTED COMBUSTION.** *An appliance equipped with an integral mechanical means to either draw or force products of combustion through the combustion chamber or heat exchanger.*

**APPLIANCE, UNVENTED.** *An appliance designed or installed in such a manner that the products of combustion are not conveyed by a vent or chimney directly to the outside atmosphere.*

**APPLIANCE, VENTED.** *An appliance designed and installed in such a manner that all of the products of combustion are conveyed directly from the appliance to the outside atmosphere through an approved chimney or vent system.*

**APPROVED.** *Determined to be in compliance by the authority having jurisdiction in accordance with the rules of the board.*

*Approved (Chapter 24 Fuel gas). Refers to approval by the building official as the result of review, investigation, inspection and testing in accordance with the provisions of this code.*

**APPROVED AGENCY.** An established and *accredited testing laboratory, listing agency, inspection body, or field evaluation body* recognized by the board of building standards providing services consistent with their accreditation and the code section requiring the approved agency service.

**APPROVED SOURCE.** An independent person, firm or corporation, approved by the building official, who is competent and experienced in the application of engineering principles to materials, methods or systems analyses.

**ASPECT RATIO.** The ratio of longest to shortest perpendicular dimensions, or for wall sections, the ratio of height to length.

**ATMOSPHERIC PRESSURE.** *The pressure of the weight of air and water vapor on the surface of the earth, approximately 14.7 pounds per square inch (psi) (101 kPa absolute) at sea level.*

**ATTIC.** The unfinished space between the ceiling assembly and the roof assembly.

**ATTIC, HABITABLE.** A finished or unfinished habitable space within an attic.

**AUTOMATIC.** *Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual").*

*Automatic ignition.* Ignition of gas at the burner(s) when the gas controlling device is turned on, including re ignition if the flames on the burner(s) have been extinguished by means other than by the closing of the gas controlling device.

**BACKFLOW, DRAINAGE.** A reversal of flow in the drainage system.

**BACKFLOW PREVENTER.** A backflow prevention assembly, a backflow prevention device or other means or method to prevent backflow into the potable water supply.

**BACKFLOW PREVENTER, REDUCED-PRESSURE-ZONE TYPE.** A backflow-prevention device consisting of two independently acting check valves,

internally force loaded to a normally closed position and separated by an intermediate chamber (or zone) in which there is an automatic relief means of venting to atmosphere internally loaded to a normally open position between two tightly closing shutoff valves and with means for testing for tightness of the checks and opening of relief means.

**BACKFLOW, WATER DISTRIBUTION.** The flow of water or other liquids into the potable water-supply piping from any sources other than its intended source. Backsiphonage is one type of backflow.

**BACKPRESSURE.** Pressure created by any means in the water distribution system that by being in excess of the pressure in the water supply mains causes a potential backflow condition.

**BACKPRESSURE, LOW HEAD.** A pressure less than or equal to 4.33 psi (29.88 kPa) or the pressure exerted by a 10-foot (3048 mm) column of water.

**BACKSIPHONAGE.** The flowing back of used or contaminated water from piping into a potable water-supply pipe due to a negative pressure in such pipe.

**BACKWATER VALVE.** A device installed in a drain or pipe to prevent backflow of sewage.

***BAROMETRIC DRAFT REGULATOR.*** *A balanced damper device attached to a chimney, vent connector, breeching or flue gas manifold to protect combustion appliances by controlling chimney draft. A double-acting barometric draft regulator is one whose balancing damper is free to move in either direction to protect combustion appliances from both excessive draft and backdraft.*

**BASEMENT.** A story that is not a story above grade plane. (see “Story above grade plane”).

**BASEMENT WALL.** *A wall 50 percent or more below grade and enclosing conditioned space.*

**BASIC WIND SPEED.** Three-second gust speed at 33 feet (10 058 mm) above the ground in Exposure C (see Section 301.2.1) as given in Figure 301.2(5)A.

**BATHROOM GROUP.** A group of fixtures, including or excluding a bidet, consisting of a water closet, lavatory, and bathtub or shower. Such fixtures are located together on the same floor level.

**BATTERY SYSTEM, STATIONARY STORAGE.** A rechargeable energy storage system consisting of electrochemical storage batteries, battery chargers, controls and associated electrical equipment designed to provide electrical power to a building. The system is typically used to provide standby or emergency power, an uninterruptable power supply, load shedding, load sharing or similar capabilities.

**BEND.** A drainage fitting, designed to provide a change in direction of a drain pipe of less than the angle specified by the amount necessary to establish the desired slope of the line (see “Elbow” and “Sweep”).

**BOILER.** *A closed vessel in which water is heated, steam is generated, steam is superheated, or any combination thereof, under pressure or vacuum for use externally to itself by the direct application of heat from the combustion of fuels, or from electricity or nuclear energy. The term boiler includes fired units for heating or vaporizing liquids other than water where these units are separate from processing systems and are complete within themselves. 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) or temperatures not exceeding 250 °F for water. High-pressure boilers operate at pressures exceeding those pressures and temperatures.*

***Boiler, low pressure.** A steam boiler operating at pressures not exceeding fifteen psig, or a hot water heating boiler operating at pressures not exceeding one hundred sixty psig or temperatures not exceeding two hundred fifty degrees.*

***Hot water heating boiler.** A boiler in which no steam is generated, from which hot water is circulated for heating purposes and then returned to the boiler, and that operates at water pressures not exceeding 160 pounds per square inch gauge (psig) (1100 kPa gauge) and at water temperatures not exceeding 250°F (121°C) at or near the boiler outlet.*

***Hot water supply boiler.** A boiler, completely filled with water, which furnishes hot water to be used externally to itself, and that operates at water pressures not exceeding 160 psig (1100 kPa gauge) and at water temperatures not exceeding 250°F (121°C) at or near the boiler outlet.*

***Steam heating boiler.** A boiler in which steam is generated and that operates at a steam pressure not exceeding 15 psig (100 kPa gauge).*

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

**BONDING JUMPER.** *A conductor installed to electrically connect metallic gas piping to the grounding electrode system.*

**BRACED WALL LINE.** A straight line through the building plan that represents the location of the lateral resistance provided by the wall bracing.

**BRACED WALL LINE, CONTINUOUSLY SHEATHED.** A braced wall line with structural sheathing applied to all sheathable surfaces including the areas above and below openings.

**BRACED WALL PANEL.** A full-height section of wall constructed to resist in-plane shear loads through interaction of framing members, sheathing material and anchors. The panel's length meets the requirements of its particular bracing method, and contributes toward the total amount of bracing required along its braced wall line in accordance with Section 602.10.1.

**BRANCH.** Any part of the piping system other than a riser, main or stack.

**BRANCH, FIXTURE.** See "Fixture branch, drainage."

**BRANCH, HORIZONTAL.** See "Horizontal branch, drainage."

**BRANCH INTERVAL.** A vertical measurement of distance, 8 feet (2438 mm) or more in developed length, between the connections of horizontal branches to a drainage stack. Measurements are taken down the stack from the highest horizontal branch connection.

**BRANCH, MAIN.** A water-distribution pipe that extends horizontally off a main or riser to convey water to branches or fixture groups.

**BRANCH, VENT.** A vent connecting two or more individual vents with a vent stack or stack vent.

**BRAZING.** *A metal-joining process wherein coalescence is produced by the use of a nonferrous filler metal having a melting point above 1,000°F (538°C), but lower than that of the base metal being joined. The filler material is distributed between the closely fitted surfaces of the joint by capillary action.*

**BTU.** *Abbreviation for British thermal unit, which is the quantity of heat required to raise the temperature of 1 pound (454 g) of water 1°F (0.56°C) (1 Btu*

= 1055 J).

**BTU/H.** The listed maximum capacity of an appliance, absorption unit or burner expressed in British thermal units input per hour.

**BUILDING DRAIN.** The lowest piping that collects the discharge from all other drainage piping inside the house and extends 30 inches (762 mm) in developed length of pipe, beyond the exterior walls and conveys the drainage to the building sewer.

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

**BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCT.** A building product that incorporates photovoltaic modules and functions as a component of the building envelope.

**BUILDING-INTEGRATED PHOTOVOLTAIC ROOF PANEL (BIPV Roof Panel).** A photovoltaic panel that functions as a component of the building envelope.

**BUILDING LINE.** The line established by law, beyond which a building shall not extend, except as specifically provided by law.

**BUILDING OFFICIAL.** *An individual who has received and maintains a certification of “Residential Building Official” in accordance with rules of the board of building standards. The designated authority charged with the administration and enforcement of this code, approved by the board in accordance with section 103 of this code, in a municipal corporation, township or county having a building department, certified by the board pursuant to section 3781.10 of the Revised Code, or the health commissioner or his authorized representative in health districts, whichever one has jurisdiction.*

**BUILDING SERVICE EQUIPMENT.** *Equipment, appliances, materials, devices, and systems integrated into a building which provide space heating, air conditioning, ventilation, fire protection, lighting, electricity, sanitation, water, heating, cooking, medical gas, medical vacuum, and clothes drying. Building service equipment begins from the connected stored source of liquid or gas fuel or electrical power supplying the equipment or the utility service point/point of delivery and extends through the point of use but does not include process equipment that may also be connected to the same source.*

**BUILDING SERVICES PIPING.** *All piping systems and their component parts that are part of a building system and that promote the safe, sanitary, and energy efficient occupancy of a building. Building services piping includes, but is not limited to, cold and hot potable water distribution for plumbing fixtures; sanitary lines from plumbing fixtures; nonflammable medical gas systems; medical oxygen systems; medical vacuum systems; fire protection piping systems and compressed air in dry systems; refrigeration, chilled water, condenser and cooling tower water, brine, and water/antifreeze systems; steam, steam condensate, and hot water piping systems; and fuel oil piping and fuel gas piping for heating, cooling, and cooking applications.*

**BUILDING SEWER.** That part of the drainage system that extends from the end of the building drain and conveys its discharge to a public sewer, private sewer, individual sewage-disposal system or other point of disposal.

**BUILDING SITE.** *A contiguous area of land that is under the ownership or control of one entity.*

**BUILDING THERMAL ENVELOPE.** *The basement walls, exterior walls, floors, ceilings, roofs and any other building element assemblies that enclose conditioned space or provide a boundary between conditioned space and exempt or unconditioned space.*

**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.

**BURNER.** *A device for the final conveyance of the gas, or a mixture of gas and air, to the combustion zone.*

**Induced-draft.** *A burner that depends on draft induced by a fan that is an integral part of the appliance and is located downstream from the burner.*

**Power.** *A burner in which gas, air or both are supplied at pressures exceeding, for gas, the line pressure, and for air, atmospheric pressure, with this added pressure being applied at the burner.*

**CAP PLATE.** The top plate of the double top plates used in structural insulated panel (SIP) construction. The cap plate is cut to match the panel thickness such that it overlaps the wood structural panel facing on both sides.

**CARBON MONOXIDE ALARM.** A single- or multiple-station alarm intended to detect carbon monoxide gas and alert occupants by a distinct audible signal. It

incorporates a sensor, control components and an alarm notification appliance in a single unit.

**CARBON MONOXIDE DETECTOR.** A device with an integral sensor to detect carbon monoxide gas and transmit an alarm signal to a connected alarm control unit.

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

**CEMENT PLASTER.** A mixture of portland or blended cement, Portland cement or blended cement and hydrated lime, masonry cement or plastic cement and aggregate and other approved materials as specified in this code.

**CHANGE OF OCCUPANCY.** *A change in the purpose or level of activity within a building that involves a change in application of the requirements of the code. Such a change could be to an entire building or a portion of a building. A change of occupancy shall include any change that causes an increase in risk.*

**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.

***Factory-built chimney.** A listed and labeled chimney composed of factory-made components, 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.*

**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, and 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.

**CIRCUIT VENT.** A vent that connects to a horizontal drainage branch and vents two traps to not more than eight traps or trapped fixtures connected into a battery.

**CIRCULATING HOT WATER SYSTEM.** A specifically designed water distribution system where one or more pumps are operated in the service hot water piping to circulate heated water from the water-heating equipment to fixtures and back to the water-heating equipment.

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

**CLEANOUT.** An opening in the drainage system used for the removal of possible obstruction and located to allow for access.

**CLEARANCE (Chapter 24 Fuel Gas).** *The minimum distance through air measured between the heat-producing surface of the mechanical appliance, device or equipment and the surface of the combustible material or assembly.*

**CLIMATE ZONE.** A geographical region based on climatic criteria as specified in this code.

**CLOSED CONSTRUCTION.** *An assembly of materials or products manufactured in such a manner that its structural, plumbing, electrical, environmental control, or fire protection elements or components are concealed and are not readily accessible for inspection at the site of its erection, without disassembly, damage, or destruction. Closed construction includes assemblies where only one of the components is not accessible for inspection. (For example, an equipment enclosure where all the electrical conductors and components are exposed for inspection and its roof and wall panels have exposed structural members but the floor panel structural members are not exposed, would be required to comply with this section.)*

**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.*

**CODE, BUILDING, MECHANICAL, AND PLUMBING.** *When reference is made within this code to building code, mechanical code, or plumbing code, those references shall have the following meanings:*

**Building code or this code.** *The Residential Code of Ohio, current edition.*

**Mechanical Code.** *The current edition of the Ohio Mechanical Code.*

**Plumbing Code.** *The edition of the Ohio Plumbing Code referenced in Chapter 44 of this code, Section 4401.2.*

**COLLAPSIBLE SOILS.** Soils that exhibit volumetric reduction in response to partial or full wetting under load.

**COLLECTION PIPE.** Unpressurized pipe used within the collection system that drains on-site nonpotable water or rainwater to a storage tank by gravity.

**COMBINATION WASTE AND VENT SYSTEM.** A specially designed system of waste piping embodying the horizontal wet venting of one or more sinks, lavatories or floor drains by means of a common waste and vent pipe adequately sized to provide free movement of air above the flow line of the drain.

**COMBUSTIBLE ASSEMBLY.** *Wall, floor, ceiling or other assembly constructed of one or more component materials that are not defined as noncombustible.*

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

**COMBUSTION (Chapter 24 Fuel gas).** *In the context of this code, refers to the rapid oxidation of fuel accompanied by the production of heat or heat and light.*

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

**Combustion Air (Chapter 24 - Fuel gas).** *Air necessary for complete combustion of a fuel, including theoretical air and excess air.*

**COMBUSTION CHAMBER (Chapter 24 – Fuel gas).** *The portion of an appliance within which combustion occurs.*

**COMBUSTION PRODUCTS (Chapter 24 – Fuel gas).** *Constituents resulting from the combustion of a fuel with the oxygen of the air, including the inert gases, but excluding excess air.*

**COMMON VENT.** A single pipe venting two trap arms within the same branch interval, either back-to-back or one above the other.

**COMPRESSIBLE SOILS.** Soils that exhibit volumetric reduction in response to the application of load even in the absence of wetting or drying.

**CONCEALED LOCATION.** *A location that cannot be accessed without damaging permanent parts of the building structure or finish surface. Spaces above, below or behind readily removable panels or doors shall not be considered as concealed.*

**CONCEALED PIPING.** *Piping that is located in a concealed location (see “Concealed location”).*

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

*Condensate (Chapter 24 – Fuel gas). The liquid that condenses from a gas (including flue gas) caused by a reduction in temperature or increase in pressure*

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

**CONDITIONED SPACE.**

An area, room or space that is enclosed *by, but not* within, the building thermal envelope assembly and that is directly heated or cooled or that is indirectly heated or cooled. Spaces are indirectly heated or cooled where they communicate through openings with conditioned spaces, where they are separated from conditioned spaces by uninsulated walls, floors, or ceilings, or where they contain uninsulated ducts, piping or other sources of heating or cooling.

**CONNECTOR, APPLIANCE (Chapter 24 – Fuel gas).** *Rigid metallic pipe and fittings, semi rigid metallic tubing and fittings or a listed and labeled device that*

*connects an appliance to the gas piping system.*

**CONNECTOR, CHIMNEY OR VENT.** *The pipe that connects an appliance to a chimney or vent.*

**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 *plan approval* in accordance with Section 106.*

**CONTAMINATION.** *A high-hazard or health-hazard impairment of the quality of the potable water that creates an actual hazard to the public health through poisoning or through the spread of disease by sewage, industrial fluids or waste.*

**CONTINUOUS AIR BARRIER.** *A combination of materials and assemblies that restrict or prevent the passage of air through the building thermal envelope.*

**CONTINUOUS INSULATION (ci).** *Insulating material that is continuous across all structural members without thermal bridges other than fasteners and service openings. It is installed on the interior or exterior, or is integral to any opaque surface, of the building envelope.*

**CONTINUOUS WASTE.** *A drain from two or more similar adjacent fixtures connected to a single trap.*

**CONTROL (Chapter 24 – Fuel gas).** *A manual or automatic device designed to regulate the gas, air, water or electrical supply to, or operation of, a mechanical system.*

**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 a 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.*

**CONVERSION BURNER.** *A unit consisting of a burner and its controls for installation in an appliance originally utilizing another fuel.*

**CORE.** The lightweight middle section of a structural insulated panel, composed of foam plastic insulation, that provides the link between the two facing shells.

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

**CRAWL SPACE.** An underfloor space that is not a basement.

**CRAWL SPACE WALL.** *The opaque portion of a wall that encloses a crawl space and is partially or totally below grade.*

**CRIPPLE WALL.** A framed wall extending from the top of the foundation to the underside of the floor framing of the first story above grade plane.

**CROSS CONNECTION.** Any connection between two otherwise separate piping systems that allows a flow from one system to the other.

**CROSS-LAMINATED TIMBER.** A prefabricated engineered wood product consisting of not less than three layers of solid-sawn lumber or structural composite lumber where the adjacent layers are cross-oriented and bonded with structural adhesive to form a solid wood element.

**CUBIC FOOT (Chapter 24 – Fuel gas).** *The amount of gas that occupies 1 cubic foot (0.02832 m<sup>3</sup>) when at a temperature of 60°F (16°C), saturated with water vapor and under a pressure equivalent to that of 30 inches of mercury (101 kPa).*

**CURTAIN WALL.** *Fenestration products used to create an external nonload-bearing wall that is designed to separate the exterior and interior environments.*

**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.** *A manually or automatically controlled device to regulate draft or the rate of flow of air or combustion gases.*

**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 the 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.

**DECORATIVE APPLIANCE, VENTED** (*Chapter 24 – Fuel gas*). A vented appliance wherein the primary function lies in the aesthetic effect of the flames.

**DECORATIVE APPLIANCES FOR INSTALLATION IN VENTED FIREPLACES** (*Chapter 24 – Fuel gas*). A vented appliance designed for installation within the fire chamber of a vented fireplace, wherein the primary function lies in the aesthetic effect of the flames.

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

**DEMAND** (*Chapter 24 – Fuel gas*). The maximum amount of gas input required per unit of time, usually expressed in cubic feet per hour, or Btu/h (1 Btu/h = 0.2931 W).

**DEMAND RECIRCULATION WATER SYSTEM.** A water distribution system having one or more recirculation pumps that pump water from a heated water supply pipe back to the heated water source through a cold-water supply pipe.

**DESIGN FLOOD ELEVATION.** The elevation of the “design flood,” including wave height, relative to the datum specified on the community’s legally designated flood hazard map. In areas designated as Zone AO, the design flood elevation shall be the elevation of the highest existing grade of the building’s perimeter plus the depth number (in feet) specified on the flood hazard map. In areas designated as Zone AO where a depth number is not specified on the map, the depth number shall be taken as being equal to 2 feet (610 mm).

**DESIGN PROFESSIONAL.** See “Registered design professional.”

**DEVELOPED LENGTH.** The length of a pipeline measured along the center line of the pipe and fittings.

**DIAMETER.** Unless specifically stated, the term “diameter” is the nominal diameter as designated by the approved material standard.

**DIAPHRAGM.** A horizontal or nearly horizontal system acting to transmit lateral forces to the vertical resisting elements. Where 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 SYSTEM.** A solar thermal system in which the gas or liquid in the solar collector loop is not separated from the load.

**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.

***Mechanical or 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 *made as* part of the vent connector from an appliance, that 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.

**DRAIN.** Any pipe that carries soil and waterborne wastes in a building drainage system.

**DRAIN-BACK SYSTEM.** A solar thermal system in which the fluid in the solar collector loop is drained from the collector into a holding tank under prescribed circumstances.

**DRAINAGE FITTING.** A pipe fitting designed to provide connections in the drainage system that have provisions for establishing the desired slope in the system. These fittings are made from a variety of both metals and plastics. The methods of coupling provide for required slope in the system.

**DRIP** (*Chapter 24 – Fuel gas*). *The container placed at a low point in a system of piping to collect condensate and from which the condensate is removable.*

**DUCT.** *A tube or conduit utilized for conveying air. The air passages of self-contained systems are not to be construed as air ducts.*

**DUCT FURNACE.** *A warm-air furnace normally installed in an air distribution duct to supply warm air for heating. This definition shall apply only to a warm-air heating appliance that depends for air circulation on a blower not furnished as part of the furnace.*

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

**DWELLING.** Any building that *exclusively* contains one, two, or three dwelling units *each of which may be occupied by a family and no more than five lodgers or boarders*, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that *is* occupied for living purposes, *physically separated from adjacent structures and with an independent exit from each dwelling unit.*

**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. *The dwelling unit may include any accessory space intended for the exclusive use of the occupants of an individual dwelling unit such as a private garage, greenhouse, etc.*

**DWV.** Abbreviated term for drain, waste and vent piping as used in common plumbing practice.

**EFFECTIVE OPENING.** The minimum cross-sectional area at the point of water-supply discharge, measured or expressed in terms of diameter of a circle and if the opening is not circular, the diameter of a circle of equivalent cross-sectional area. (This is applicable to air gap.)

**ELBOW.** A pressure pipe fitting designed to provide an exact change in direction of a pipe run. An elbow provides a sharp turn in the flow path (see “Bend” and “Sweep”).

**EMERGENCY ESCAPE AND RESCUE OPENING.** An operable exterior window, door or similar device that provides for a means of escape and access for rescue in the event of an emergency. (See also “Grade floor opening.”)

**ENERGY ANALYSIS.** *A method for estimating the annual energy use of the proposed design and standard reference design based on estimates of energy use.*

**ENERGY COST.** *The total estimated annual cost for purchased energy for the building functions regulated by this code, including applicable demand charges.*

**ENERGY SIMULATION TOOL.** *An approved software program or calculation-based methodology that projects the annual energy use of a building.*

**ENGINE-MOUNTED TANK.** *A fuel tank furnished by the engine manufacturer or the emergency power system supplier and mounted on the engine, the engine-frame, or under as a subbase.*

**ENGINEERED WOOD RIM BOARD.** A full-depth structural composite lumber, wood structural panel, structural glued laminated timber or prefabricated wood I-joist member designed to transfer horizontal (shear) and vertical (compression) loads, provide attachment for diaphragm sheathing, siding and exterior deck ledgers and provide lateral support at the ends of floor or roof joists or rafters.

**EQUIPMENT (OR FIXTURE).** *Any plumbing, heating, electrical, ventilating, air conditioning, refrigerating and fire protection devices and components of systems other than appliances, and elevators, dumb-waiters, and other mechanical facilities or installations that are related to building services.*

**EQUIVALENT LENGTH.** For determining friction losses in a piping system, the effect of a particular fitting equal to the friction loss through a straight piping length of the same nominal diameter.

**ERI REFERENCE DESIGN.** *A version of the rated design that meets the minimum requirements of the 2006 International Energy Conservation Code.*

**ESCARPMENT.** With respect to topographic wind effects, a cliff or steep slope generally separating two levels or gently sloping areas.

**ESSENTIALLY NONTOXIC TRANSFER FLUIDS.** Fluids having a Gosselin rating of 1, including propylene glycol; mineral oil; polydimethyl oil oxane; hydrochlorofluorocarbon, 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 what is theoretically required for complete combustion.

**EXCESS FLOW VALVE (EFV).** *A valve designed to activate when the fuel gas passing through it exceeds a prescribed flow rate.*

**EXHAUST HOOD, FULL OPENING.** An exhaust hood with an opening not less than the diameter of the connecting vent.

**EXISTING INSTALLATIONS.** Any plumbing system regulated by this code that was legally installed prior to the effective date of this code, or for which a permit to install has been issued.

***EXIT.*** *That portion of a means of egress system between the exit access and the exit discharge or public way. Exit components include exterior exit doors at the level of exit discharge, interior exit stairways, interior exit ramps, exit passageways, exterior exit stairways and exterior exit ramps and horizontal exits.*

**EXPANSIVE SOILS.** Soils that exhibit volumetric increase or decrease (swelling or shrinking) in response to partial or full wetting or drying under load.

**EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS).** EIFS are nonstructural, nonload-bearing exterior wall cladding systems that consist of an insulation board attached either adhesively or mechanically, or both, to the substrate; an integrally reinforced base coat; and a textured protective finish coat.

**EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) WITH DRAINAGE.** An EIFS that incorporates a means of drainage applied over a water-resistive barrier.

***EXTERIOR MASONRY CHIMNEYS.*** *Masonry chimneys exposed to the outdoors on one or more sides below the roof line.*

**EXTERIOR WALL.** *Walls including both above-grade walls and basement walls.*

**EXTERIOR WALL COVERING.** A material or assembly of materials applied on the exterior side of exterior walls for the purpose of providing a weather-resistive barrier, insulation or for aesthetics, including but not limited to, veneers, siding, exterior insulation and finish systems, architectural trim and embellishments such as cornices, soffits, and fascias.

**FACING.** The wood structural panel facings that form the two outmost rigid layers of the structural insulated panel.

**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.

**FACTORY-MADE AIR DUCT.** A listed and labeled duct manufactured in a factory and assembled in the field in accordance with the manufacturer's instructions and conditions of the listing.

**FENESTRATION.** Products classified as either vertical fenestration or skylights and sloped glazing, installed in such a manner as to preserve the weather-resistant barrier of the wall or roof in which they are installed. Fenestration includes products with glass or other transparent or translucent materials.

***Site-built fenestration product.** A fenestration designed to be made up of field-glazed or field-assembled units using specific factory cut or otherwise factory-formed framing and glazing units. Examples of site-built fenestration include storefront systems, curtain walls, and atrium roof systems.*

***Skylights and sloped glazing.** Glass or other transparent or translucent glazing material installed at a slope of 15 degrees (0.26 rad) or more from vertical. Unit skylights, tubular daylighting devices and glazing materials in solariums, sunrooms, roofs and sloped walls are included in this definition.*

***Skylights (Chapter 11 Energy Conservation).** Glass or other transparent or translucent glazing material installed at a slope of less than 60 degrees (1.05 rad) from horizontal.*

***Unit Skylight..** A factory assembled, glazed fenestration unit, containing one panel of glazing material, that allows for natural daylighting through an opening in the roof assembly while preserving the weather-resistant barrier of the roof.*

***Vertical fenestration.** Windows that are fixed or movable, opaque doors, glazed doors, glazed block and combination opaque and glazed doors installed in a wall at less than 15 degrees from vertical.*

***Vertical fenestration (Chapter 11 Energy Conservation).** Windows that are fixed or operable, opaque doors, glazed doors, glazed block and combination opaque/glazed doors composed of glass or other transparent or translucent glazing materials and installed at a slope of not less than 60 degrees (1.05 rad) from horizontal.*

**FIBER-CEMENT (BACKERBOARD, SIDING, SOFFIT, TRIM AND UNDERLAYMENT) PRODUCTS.** Manufactured thin section composites of hydraulic cementitious matrices and discrete nonasbestos fibers.

**FIRE SEPARATION DISTANCE.** The distance measured from the building face to one of the following:

1. To the closest interior lot line.
2. To the centerline of a street, an alley or public way.
3. To an imaginary line between two buildings on the lot.

The distance shall be measured at a right angle from the face of the wall.

**FIREBLOCKING.** Building materials or materials approved for use as fireblocking, installed to resist the free passage of flame to other areas of the building through concealed spaces.

**FIREPLACE.** *A fire chamber and hearth constructed of non-combustible material for use with solid fuels and provided with a chimney.*

**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 fireplace.** *A field-constructed hearth and fire chamber composed of solid masonry units such as bricks, stones, listed masonry units or reinforced concrete and provided with a suitable chimney.*

**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-RETARDANT-TREATED WOOD.** Pressure-treated lumber and plywood that exhibit reduced surface burning characteristics and resist propagation of fire.

**Other means during manufacture.** A process where the wood raw material is treated with a fire-retardant formulation while undergoing creation as a finished product.

**Pressure process.** A process for treating wood using an initial vacuum followed by the introduction of pressure above atmospheric.

**FIXTURE.** See "Plumbing fixture."

**FIXTURE (OR EQUIPMENT).** *Any plumbing, heating, electrical, ventilating, air conditioning, refrigerating and fire protection devices and components of systems other than appliances, and elevators, dumb-waiters, and other mechanical facilities or installations that are related to building services.*

**FIXTURE BRANCH, DRAINAGE.** A drain serving two or more fixtures that discharges into another portion of the drainage system.

**FIXTURE BRANCH, WATER-SUPPLY.** A water-supply pipe between the fixture supply and a main water-distribution pipe or fixture group main.

**FIXTURE DRAIN.** The drain from the trap of a fixture to the junction of that drain with any other drain pipe.

**FIXTURE FITTING.**

**Supply fitting.** A fitting that controls the volume or directional flow or both of water and that is either attached to or accessed from a fixture or is used with an open or atmospheric discharge.

**Waste fitting.** A combination of components that conveys the sanitary waste from the outlet of a fixture to the connection of the sanitary drainage system.

**FIXTURE GROUP, MAIN.** The main water-distribution pipe (or secondary branch) serving a plumbing fixture grouping such as a bath, kitchen or laundry area to which two or more individual fixture branch pipes are connected.

**FIXTURE SUPPLY.** The water-supply pipe connecting a fixture or fixture fitting to a fixture branch.

**FIXTURE UNIT, DRAINAGE (d.f.u.).** A measure of probable discharge into the drainage system by various types of plumbing fixtures, used to size DWV piping systems. The drainage fixture-unit value for a particular fixture depends on its volume rate of drainage discharge, on the time duration of a single drainage operation and on the average time between successive operations.

**FIXTURE UNIT, WATER-SUPPLY (w.s.f.u.).** A measure of the probable hydraulic demand on the water supply by various types of plumbing fixtures used to size water-piping systems. The water-supply fixture-unit value for a particular fixture depends on its volume rate of supply, on the time duration of a single supply operation and on the average time between successive operations.

**FLAME SAFEGUARD.** *A device that will automatically shut off the fuel supply to a main burner or group of burners when the means of ignition of such burners becomes inoperative, and when flame failure occurs on the burner or group of burners.*

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

**FLAME SPREAD INDEX.** A comparative measure, expressed as a dimensionless number, derived from visual measurements of the spread of flame versus time for a material tested in accordance with ASTM E84 or UL 723.

**FLASHBACK ARRESTOR CHECK VALVE.** *A device that will prevent the backflow of one gas into the supply system of another gas and prevent the passage of flame into the gas supply system.*

**FLEXIBLE AIR CONNECTOR.** A conduit for transferring air between an air duct or plenum and an air terminal unit, an air inlet or an air outlet. Such conduit is limited in its use, length and location.

**FLIGHT.** A continuous run of rectangular treads or winders or combination thereof from one landing to another.

**FLOOD or FLOODING.** *A general and temporary condition of partial or complete inundation of normally dry land from:*

- 1. The overflow of inland or tidal waters.*
- 2. The unusual and rapid accumulation or runoff of surface waters from any source.*

**FLOOD HAZARD AREA.** *The greater of the following two areas:*

- 1. The area within a flood plain subject to a 1 percent or greater chance of flooding in any given year.*
- 2. This area designated as a flood hazard area on a community's flood hazard map, or otherwise legally designated.*

**FLOOD-LEVEL RIM.** The edge of the receptor or fixture from which water overflows.

**FLOOR DRAIN.** A plumbing fixture for recess in the floor having a floor-level strainer intended for the purpose of the collection and disposal of wastewater used in cleaning the floor and for the collection and disposal of accidental spillage to the floor.

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

**FLOW PRESSURE.** The static pressure reading in the water-supply pipe near the faucet or water outlet while the faucet or water outlet is open and flowing at capacity.

**FLUE.** See “Vent.”

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

*Flue, Appliance (Chapter 24 fuel gas). The passage(s) within an appliance through which combustion products pass from the combustion chamber of the appliance to the draft hood inlet opening on an appliance equipped with a draft hood or to the outlet of the appliance on an appliance not equipped with a draft hood.*

**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.

***FLUE LINER (LINING).** A system or material used to form the inside surface of a flue in a chimney or vent, for the purpose of protecting the surrounding structure from the effects of combustion products and for conveying combustion products without leakage to the atmosphere.*

**FLUSH VALVE.** A device located at the bottom of a flush tank that is operated to flush water closets.

**FLUSHOMETER TANK.** A device integrated within an air accumulator vessel that is designed to discharge a predetermined quantity of water to fixtures for flushing purposes.

**FLUSHOMETER VALVE.** A flushometer valve is a device that discharges a predetermined quantity of water to fixtures for flushing purposes and is actuated by direct water pressure.

**FOAM BACKER BOARD.** Foam plastic used in siding applications where the foam plastic is a component of the siding.

**FOAM PLASTIC INSULATION.** A plastic that is intentionally expanded by the use of a foaming agent to produce a reduced-density plastic containing voids consisting of open or closed cells distributed throughout the plastic for thermal insulating or acoustic purposes and that has a density less than 20 pounds per cubic foot (320 kg/m<sup>3</sup>) unless it is used as interior trim.

**FOAM PLASTIC INTERIOR TRIM.** Exposed foam plastic used as picture molds, chair rails, crown moldings, baseboards, handrails, ceiling beams, door trim and window trim and similar decorative or protective materials used in fixed applications.

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

**FUEL GAS.** *A natural gas, manufactured gas, liquefied petroleum gas or mixtures of these gases.*

**FUEL TANK.** *A tank containing fuel for an engine(s) or appliance.*

**FULL-OPEN VALVE.** A water control or shutoff component in the water supply system piping that, where adjusted for maximum flow, the flow path through the component's closure member is not a restriction in the component's through-flow area.

**FULLWAY VALVE.** A valve that in the full open position has an opening cross-sectional area that is not less than 85 percent of the cross-sectional area of the connecting pipe.

**FURNACE.** *A completely self-contained heating unit that is designed to supply heated air to spaces remote from or adjacent to the appliance location.*

**Furnace, central.** *A self-contained appliance for heating air by transfer of heat of combustion through metal to the air, and designed to supply heated air through ducts to spaces remote from or adjacent to the appliance location.*

**Furnace plenum.** *An air compartment or chamber to which one or more ducts are connected and that forms part of an air distribution system.*

**GAS CONVENIENCE OUTLET.** *A permanently mounted, manually operated device that provides the means for connecting an appliance to, and disconnecting an appliance from, the supply piping. The device includes an integral, manually operated valve with a non-displaceable valve member and is designed so that disconnection of an appliance only occurs when the manually operated valve is in the closed position.*

**GAS PIPING.** *An installation of pipe, valves or fittings installed on a premises or in a building and utilized to convey fuel gas.*

**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, PIPING.** See “Slope.”

**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. (See also “Emergency escape and rescue opening.”)

**GRADE PLANE.** A reference plane representing the average of the finished ground level adjoining the building at all exterior walls. Where the finished ground level slopes away from the exterior walls, the reference plane shall be established by the lowest points within the area between the building and the lot line or, where the lot line is more than 6 feet (1829 mm) from the building between the structure and a point 6 feet (1829 mm) from the building.

**GRAY WATER.** Waste discharged from lavatories, bathtubs, showers, clothes washers and laundry trays. *Private water supplies and recycled water systems are regulated by the Ohio Department of Health rules found in Chapter 3701-28 of the Administrative Code.*

**GRIDDED WATER DISTRIBUTION SYSTEM.** A water distribution system where every water distribution pipe is interconnected so as to provide two or more paths to each fixture supply pipe.

**GROSS AREA OF EXTERIOR WALLS.** The normal projection of all exterior walls, including the area of all windows and doors installed therein.

**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.

**GUESTROOM.** Any room or rooms used or intended to be used by one or more guests for living or sleeping purposes.

**GYPSUM BOARD.** The generic name for a family of sheet products consisting of a noncombustible core primarily of gypsum with paper surfacing. Gypsum wallboard, gypsum sheathing, gypsum base for gypsum veneer plaster, exterior gypsum soffit board, predecorated gypsum board and water-resistant gypsum backing board complying with the standards listed in Section 702.3 and Part IX of this code are types of gypsum board.

**GYPSUM PANEL PRODUCT.** The general name for a family of sheet products consisting essentially of gypsum.

**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.

**HANGERS.** See “Supports.”

**HAZARDOUS LOCATION.** Any location considered to be a fire hazard for flammable vapors, dust, combustible fibers or other highly combustible substances. *The location is not necessarily categorized in the Ohio Building Code as a high-hazard use group classification.*

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

**HEATED SLAB.** *Slab-on-grade construction in which the heating elements, hydronic tubing, or hot air distribution system is in contact with, or placed within or under, the slab.*

**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-EFFICACY LAMPS.** *Compact fluorescent lamps, light-emitting diode (LED) lamps, T-8 or smaller diameter linear fluorescent lamps, or other lamps with an efficacy of not less than the following:*

1. *60 lumens per watt for lamps over 40 watts.*
2. *50 lumens per watt for lamps over 15 watts to 40 watts.*
3. *40 lumens per watt for lamps 15 watts or less.*

**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.

**HILL.** With respect to topographic wind effects, a land surface characterized by strong relief in any horizontal direction.

**HISTORIC BUILDING.** A building or structure that is one or more of the following:

1. Listed, or certified as eligible for listing, by the State Preservation *Office at the Ohio History Connection* or the Keeper of the National Register of Historic Places in the National Register of Historic Places.
2. Designated as historic under an applicable state or local law.
3. Certified as a contributing resource within a National Register-listed, or a state-designated or locally designated historic district.

**HORIZONTAL BRANCH, DRAINAGE.** A drain pipe extending laterally from a soil or waste stack or building drain, that receives the discharge from one or more fixture drains.

**HORIZONTAL PIPE.** Any pipe or fitting that makes an angle of less than 45 degrees (0.79 rad) with the horizontal.

**HOUSE PIPING.** *See "Piping system."*

**HOT WATER.** Water at a temperature greater than or equal to 110°F (43°C).

**HURRICANE-PRONE REGIONS.** Areas vulnerable to hurricanes, defined as the U.S. Atlantic Ocean and Gulf of Mexico coasts where the ultimate design

wind speed,  $V_{ult}$ , is greater than 115 miles per hour (51 m/s), 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 PILOT.** *A pilot that operates during the lighting cycle and discontinues during main burner operation.*

**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.

**IMPACT PROTECTIVE SYSTEM.** Construction that has been shown by testing to withstand the impact of test missiles and that is applied, attached, or locked over exterior glazing.

**INDIRECT SYSTEM.** A solar thermal system in which the gas or liquid in the solar collector loop circulates between the solar collector and a heat exchanger and such gas or liquid is not drained from the system or supplied to the load during normal operation.

**INDIRECT WASTE PIPE.** A waste pipe that discharges into the drainage system through an air gap into a trap, fixture or receptor.

**INDIVIDUAL SEWAGE DISPOSAL SYSTEM.** A system for disposal of sewage by means of a septic tank or mechanical treatment, designed for use apart from a public sewer to serve a single establishment or building.

**INDIVIDUAL VENT.** A pipe installed to vent a single fixture drain that connects with the vent system above or terminates independently outside the building.

**INDIVIDUAL WATER SUPPLY.** A supply other than an approved public water supply that serves one or more families.

**INDUSTRIALIZED UNITS.** *Industrialized units are prefabricated components comprised of closed construction manufactured at a location remote from the site of intended use and transported to a building site for its subsequent use.*

*Industrialized units are not restricted to housing for one-, two-, and three-family dwellings, but includes all prefabricated forms of building elements and assembled construction units, intended for both structural and service equipment purposes in all buildings of all groups. Prefabricated shop assemblies may be shipped in structurally complete units ready for installation in the building structure or in knock-down and packaged form for assembly at the site.*

**INFILTRATION.** *The uncontrolled inward air leakage into a building caused by the pressure effects of wind or the effect of differences in the indoor and outdoor air density or both.*

**INFRARED RADIANT HEATER.** *A heater that directs a substantial amount of its energy output in the form of infrared radiant energy into the area to be heated. Such heaters are of either the vented or unvented type.*

**INSULATED SIDING.** *A type of continuous insulation, with manufacturer-installed insulating material as an integral part of the cladding product, having a minimum R-value of R-2.*

**INSULATED VINYL SIDING.** *A vinyl cladding product, with manufacturer-installed foam plastic insulating material as an integral part of the cladding product, having a thermal resistance of not less than R-2.*

**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 thermal resistance of not less than R-2 of the core material.*

**JOINT, FLARED.** *A metal-to-metal compression joint in which a conical spread is made on the end of a tube that is compressed by a flare nut against a mating flare.*

**JOINT, MECHANICAL.** *A general form of gas-tight joints obtained by the joining of metal parts through a positive-holding mechanical construction, such as a press-connect joint, flanged joint, threaded joint, flared joint or compression joint.*

**JOINT, PLASTIC ADHESIVE.** *A joint made in thermoset plastic piping by the use of an adhesive substance that forms a continuous bond between the mating*

*surfaces without dis- solving either one of them.*

**JURISDICTION.** *The municipality, township or county governmental unit with a residential building department certified by the board of building standards.*

**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 that 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.** Equipment, materials or products to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of such labeled items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose.

**LEAK CHECK.** *An operation performed on a gas piping system to verify that the system does not leak.*

**LIGHT-FRAME CONSTRUCTION.** Construction whose vertical and horizontal structural elements are primarily formed by a system of repetitive wood or cold-formed steel framing members.

**LIQUEFIED PETROLEUM GAS or LPG (LP-GAS).** *Liquefied petroleum gas composed predominately of pro- pane, propylene, butanes or butylenes, or mixtures thereof that is gaseous under normal atmospheric conditions, but is capable of being liquefied under moderate pressure at normal temperatures.*

**LISTED.** Equipment, materials, products or services included in a list published by an organization *recognized by the Board* and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards

or has been tested and found suitable for a specified purpose *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.

**LOAD-BEARING ELEMENT.** *Any column, girder, beam, joist, truss, rafter, wall, floor or roof sheathing that supports any vertical load in addition to its own weight, and/or any lateral load.*

**LOCAL EXHAUST.** An exhaust system that uses one or more fans to exhaust air from a specific room or rooms within a dwelling.

**LOCKING-TYPE TAMPER-RESISTANT CAP.** A cap designed to be unlocked by a specially designed tool or key to prevent removal of the cap by means of hand-loosening or by commonly available tools.

**LODGING HOUSE.** A one-family dwelling where one or more occupants are primarily permanent in nature, and rent is paid for guestrooms.

**LOG LIGHTER.** *A manually operated solid-fuel ignition appliance for installation in a vented solid fuel-burning fire- place.*

**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.

**LOW-VOLTAGE LIGHTING.** *Lighting equipment powered through a transformer such as a cable conductor, a rail conductor and track lighting.*

**MACERATING TOILET SYSTEMS.** A system comprised of a sump with macerating pump and with connections for a water closet and other plumbing fixtures, that is designed to accept, grind and pump wastes to an approved point of discharge.

**MAIN.** The principal pipe artery to which branches may be connected.

**MAIN BURNER.** *A device or group of devices essentially forming an integral unit for the final conveyance of gas or a mixture of gas and air to the combustion zone, and on which combustion takes place to accomplish the function for which the appliance is designed.*

**MAIN SEWER.** See “Public sewer.”

**MANIFOLD WATER DISTRIBUTION SYSTEMS.** A fabricated piping arrangement in which a large supply main is fitted with multiple branches in close proximity in which water is distributed separately to fixtures from each branch.

**MANUAL.** *Capable of being operated by personal intervention (see “Automatic”).*

**MANUFACTURED HOME.** *A building unit or assembly of closed construction that is fabricated in an off-site facility and constructed in conformance with the federal construction and safety standards established by the secretary of housing and urban development pursuant to the "Manufactured Housing Construction and Safety Standards Act of 1974," 88 Stat. 700, 42 U.S.C.A. 5401, 5403, and that has a permanent label or tag affixed to it, as specified in 42 U.S.C.A. 5415, certifying compliance with all applicable federal construction and safety standards.*

**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.** *Instructions published for appliances, materials, components, products, equipment, assemblies or systems as part of the conditions of their 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 not less than 1,100 pounds (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 not less than one 180-degree (3.14-rad) change in flow direction before entering the chimney and that 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, architectural cast stone, glass block or concrete block conforming to the requirements specified in Section 2103 of the *building 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 with a net cross-sectional area in any plane parallel to the loadbearing surface that is less than 75 percent of its gross cross-sectional area measured in the same plane.

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

**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 JOINT.**

1. A connection between pipes, fittings or pipes and fittings that is not welded, brazed, caulked, soldered, solvent cemented or heat-fused.
2. A general form of gas- or liquid-tight connections obtained by the joining of parts through a positive holding mechanical construction such as, but not limited to, flanged, screwed, clamped or flared connections.

**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 an installed weather exposure of not less than 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.

**METER.** *The instrument installed to measure the volume of gas delivered through it.*

**MEZZANINE.** An intermediate level or levels between the floor and ceiling of any story.

**MINOR REPAIR.** *See “Repair, Minor”.*

**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.

**MODULATING (Chapter 24 – Fuel gas).** *Modulating or throttling is the action of a control from its maximum to minimum position in either pre-determined steps or increments of movement as caused by its actuating medium.*

**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.

**NAILABLE SUBSTRATE.** A product or material such as framing, sheathing or furring, composed of wood or wood-based materials, or other materials and fasteners providing equivalent fastener withdrawal resistance.

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

**NATURALLY DURABLE WOOD.** The heartwood of the following species with the exception that an occasional piece with corner sapwood is permitted if 90 percent or more of the width of each side on which it occurs is heartwood.

**Decay resistant.** Redwood, cedar, black locust and black walnut.

**Termite resistant.** Alaska yellow cedar, redwood, Eastern red cedar and Western red cedar including all sapwood of Western red cedar.

**NONCOMBUSTIBLE MATERIAL.** Materials that pass the test procedure for defining noncombustibility of elementary materials set forth in ASTM E136.

*Noncombustible materials (Chapter 24 – Fuel gas). Materials that, where tested in accordance with ASTM E136, have not fewer than three of four specimens tested meeting all of the following criteria:*

- 1. The recorded temperature of the surface and interior thermocouples shall not at any time during the test rise more than 54°F (30°C) above the furnace temperature at the beginning of the test.*
- 2. There shall not be flaming from the specimen after the first 30 seconds.*
- 3. If the weight loss of the specimen during testing exceeds 50 percent, the recorded temperature of the surface and interior thermocouples shall not at any time during the test rise above the furnace air temperature at the beginning of the test, and there shall not be flaming of the specimen.*

**NOSING.** The leading edge of treads of stairs and of landings at the top of stairway flights.

**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.

**OFFSET.** A combination of fittings that makes two changes in direction, bringing one section of the pipe out of line and into a line parallel with the other section.

*Offset (vent).* A combination of approved bends that make two changes in direction bringing one section of the vent out of line, but into a line parallel with the other section.

**ON-SITE NONPOTABLE WATER REUSE SYSTEMS.** Water systems for the collection, treatment, storage, distribution, and reuse of nonpotable water generated on site, including but not limited to graywater systems. This definition does not include rainwater harvesting systems.

**OPAQUE DOOR.** A door that is not less than 50-percent opaque in surface area.

**OUTLET (Chapter 24 – Fuel gas).** The point at which a gas-fired appliance connects to the gas piping system.

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

**OXYGEN DEPLETION SAFETY SHUTOFF SYSTEM (ODS).** A system designed to act to shut off the gas supply to the main and pilot burners if the oxygen in the surrounding atmosphere is reduced below a predetermined level.

**PAN FLASHING.** Corrosion-resistant flashing at the base of an opening that is integrated into the building exterior wall to direct water to the exterior and is premanufactured, fabricated, formed or applied at the job site.

**PANEL THICKNESS.** Thickness of core plus two layers of structural wood panel facings.

**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.

**PERFORMANCE CATEGORY.** A designation of wood structural panels as related to the panel performance used in Chapters 4, 5, 6 and 8.

**PERMIT.** *An approval indicated in an official document or certificate issued by the residential building official that authorizes performance of a specified activity. Also see “APPROVED”.*

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

**PHOTOVOLTAIC MODULE.** A complete, environmentally protected unit consisting of solar cells, optics and other components, exclusive of a tracker, designed to generate DC power where exposed to sunlight.

**PHOTOVOLTAIC PANEL.** A collection of photovoltaic modules mechanically fastened together, wired, and designed to provide a field-installable unit.

**PHOTOVOLTAIC PANEL SYSTEM.** A system that incorporates discrete photovoltaic panels that convert solar radiation into electricity, including rack support systems.

**PHOTOVOLTAIC SHINGLES.** A roof covering that resembles shingles and that incorporates photovoltaic modules.

**PILOT.** *A small flame that is utilized to ignite the gas at the main burner or burners.*

**PIPING (Chapter 24 – Fuel gas).** *Where used in this code, “piping” refers to either pipe or tubing, or both.*

**Pipe.** *A rigid conduit of iron, steel, copper, copper-alloy or plastic.*

**Tubing.** *Semi-rigid conduit of copper, copper-alloy, aluminum, plastic or steel.*

**PIPING SYSTEM (Chapter 24 – Fuel gas).** *The fuel piping, valves and fittings from the outlet of the point of delivery to the outlets of the appliance shutoff valves.*

**PITCH.** See “Slope.”

**PLASTIC COMPOSITE.** A generic designation that refers to wood-plastic composites and plastic lumber.

***PLASTIC, THERMOPLASTIC.*** A plastic that is capable of being repeatedly softened by increase of temperature and hardened by decrease of temperature.

**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.

**PLUMBING.** *The practice, materials and fixtures utilized in the installation, maintenance, extension and alteration of all piping, fixtures, appliances and appurtenances within or adjacent to any structure, in connection with sanitary drainage or storm drainage facilities; venting systems; and public or private water supply systems.*

**PLUMBING APPLIANCE.** An energized household appliance with plumbing connections, such as a dishwasher, food waste disposer, clothes washer or water heater.

**PLUMBING APPURTENANCE.** A device or assembly that is an adjunct to the basic plumbing system and does not demand additional water supply or add any discharge load to the system. It is presumed that it performs some useful function in the operation, maintenance, servicing, economy or safety of the plumbing system. Examples include filters, relief valves and aerators.

**PLUMBING FIXTURE.** A receptacle or device that is connected to a water supply system or discharges to a drainage system or both. Such receptacles or devices require a supply of water; or discharge liquid waste or liquidborne solid waste; or require a supply of water and discharge waste to a drainage system.

**PLUMBING SYSTEMS.** Includes the water distribution pipes; plumbing fixtures and traps; water-treating or water-using equipment; soil, waste and vent pipes; and building drains; in addition to their respective connections, devices and appurtenances within a structure or premises; and the water service, building sewer and building storm sewer serving such structure or premises.

***POINT OF DELIVERY (Chapter 24 – Fuel gas).*** *For natural gas systems, the point of delivery is the outlet of the service meter assembly or the outlet of the service regulator or service shutoff valve where a meter is not provided. Where a*

*valve is provided at the outlet of the service meter assembly, such valve shall be considered to be downstream of the point of delivery. For undiluted liquefied petroleum gas systems, the point of delivery shall be considered to be the outlet of the service pressure regulator, exclusive of line gas regulators, in the system.*

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

**POLYPROPYLENE SIDING.** A shaped material, made principally from polypropylene homopolymer, or copolymer, that in some cases contains fillers or reinforcements, that is used to clad exterior walls or buildings.

**PORTABLE-FUEL-CELL APPLIANCE.** A fuel cell generator of electricity that 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 the loading deflections of the roof deck, and additional slope has been provided to ensure drainage of the roof within 48 hours of precipitation.

**POTABLE WATER.** Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming in bacteriological and chemical quality to the requirements of the public health authority having jurisdiction.

**PRECAST CONCRETE.** A structural concrete element cast elsewhere than its final position in the structure.

**PRECAST CONCRETE FOUNDATION WALLS.** Preengineered, precast concrete wall panels that are designed to withstand specified stresses and used to build below-grade foundations.

**PRESSURE DROP (Chapter 24 – Fuel gas).** *The loss in pressure due to friction or obstruction in pipes, valves, fittings, regulators and burners.*

**PRESSURE-RELIEF VALVE.** A pressure-actuated valve held closed by a spring or other means and designed to automatically relieve pressure at the pressure at which it is set.

**PRESSURE TEST** (*Chapter 24 – Fuel gas*). An operation performed to verify the gas-tight integrity of gas piping following its installation or modification.

**PROCESS EQUIPMENT**. Equipment, machinery and devices specifically intended and used exclusively for purposes other than building service equipment.

**PROPOSED DESIGN**. A description of the proposed building used to estimate annual energy use for determining compliance based on total building performance.

**PUBLIC SEWER**. A common sewer directly controlled by public authority.

**PUBLIC WATER MAIN**. A water-supply pipe for public use controlled by public authority.

**PUBLIC WAY**. Any street, alley or other parcel of land open to the outside air leading to a public street, that 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.

**QUICK-CLOSING VALVE**. A valve or faucet that closes automatically where released manually or controlled by mechanical means for fast-action closing.

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

**RATED DESIGN**. A description of the proposed building used to determine the energy rating index.

**READILY ACCESSIBLE**. Capable of being reached quickly for operation, renewal or inspection without requiring those to whom ready access is requisite to climb over or remove obstacles or to resort to portable ladders or access equipment (see “Accessible”).

**READY ACCESS (TO)**. That which enables a device, appliance or equipment to be directly reached, without requiring the removal or movement of any panel, door or similar obstruction.

**RECEPTOR.** A fixture or device that receives the discharge from indirect waste pipes.

**RECLAIMED WATER.** Nonpotable water that has been derived from the treatment of wastewater by a facility or system licensed or permitted to produce water meeting the jurisdiction's water requirements for its intended uses. Also known as "Recycled water."

**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.** *Any architect holding a certificate issued under sections 4703.10 and 4703.36 of the Revised Code or any engineer holding a certificate issued under section 4733.14 of the Revised Code.*

**REGULATOR.** *A device for controlling and maintaining a uniform gas supply pressure, either pounds-to-inches water column (MP regulator) or inches-to-inches water column (appliance regulator).*

**REGULATOR, GAS APPLIANCE.** *A pressure regulator for controlling pressure to the manifold of the gas appliance.*

**REGULATOR, LINE GAS PRESSURE.** *A device placed in a gas line between the service pressure regulator and the appliance for controlling, maintaining or reducing the pressure in that portion of the piping system downstream of the device.*

**REGULATOR, MEDIUM-PRESSURE (MP Regulator).** *A line pressure regulator that reduces gas pressure from the range of greater than 0.5 psig (3.4 kPa) and less than or equal to 5 psig (34.5 kPa) to a lower pressure.*

**REGULATOR, PRESSURE.** *A device placed in a gas line for reducing, controlling and maintaining the pressure in that portion of the piping system downstream of the device.*

**REGULATOR, SERVICE PRESSURE.** *For natural gas systems, a device installed by the serving gas supplier to reduce and limit the service line pressure to delivery pressure. For undiluted liquefied petroleum gas systems, the regulator located upstream from all line gas pressure regulators, where installed, and downstream from any first stage or a high pressure regulator in the system.*

**RELIEF OPENING.** *The opening provided in a draft hood to permit the ready escape to the atmosphere of the flue products from the draft hood in the event of no draft, backdraft or stoppage beyond the draft hood, and to permit air into the draft hood in the event of a strong chimney updraft.*

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

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

**RELIEF VALVE, TEMPERATURE.**

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

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

**RELIEF VALVE, VACUUM.** *A device to prevent excessive buildup of vacuum in a pressure vessel.*

**REPAIR.** *The reconstruction, replacement or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.*

**REPAIR, MINOR.** *The reconstruction or renewal of any part of an existing building for the purpose of its maintenance when the work has limited impact on access, safety or health. Minor repairs do not include the cutting away of any*

*wall, partition or portions of walls, the removal or cutting of any structural beam or load bearing support, or the removal or change of any required element of accessibility, means of egress, or rearrangement of parts of a structure affecting the egress requirements. Minor repairs do not include addition to, alteration of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.*

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

**RESIDENTIAL BUILDING.** *A one-family, two-family, or three-family dwelling house, and any accessory structure incidental to that dwelling house. “Residential building” includes a one-family, two-family, or three-family dwelling house that is used as a model to promote the sale of a similar dwelling house. “Residential building” does not include an industrialized unit as defined by division (C)(3) of Section 3781.06 of the Revised Code, a manufactured home as defined by division (C)(4) of Section 3781.06 of the Revised Code, or a mobile home as defined by division (O) of Section 4501.01 of the Revised Code.*

**RESIDENTIAL BUILDING OFFICIAL.** *An individual who has received and maintains a certification of “Residential Building Official” in accordance with rules of the board of building standards.*

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

**RIDGE.** With respect to topographic wind effects, an elongated crest of a hill characterized by strong relief in two directions.

**RISER, GAS.** *A vertical pipe supplying fuel gas.*

**RISER (PLUMBING).** A water pipe that extends vertically one full story or more to convey water to branches or to a group of fixtures.

**RISER (STAIR).** The vertical component of a step or stair.

**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, underlayment and roof covering, and can also include a thermal barrier, ignition barrier, insulation or a vapor retarder.

**ROOF COATING.** A fluid-applied, adhered coating used for roof maintenance or roof repair, or as a component of a roof covering system or roof assembly.

**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.

**ROOF REPLACEMENT.** The process of removing the existing roof covering, repairing any damaged substrate and installing a new roof covering.

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

**ROOM HEATER, UNVENTED.** See “Unvented room heater.”

**ROOM HEATER, VENTED.** See “Vented room heater.”

**ROUGH-IN.** The installation of the parts of the plumbing system that must be completed prior to the installation of fixtures. This includes DWV, water supply and built-in fixture supports.

**RUNNING BOND.** The placement of masonry units such that head joints in successive courses are horizontally offset not less than one-quarter the unit length.

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

**SAFE.** *As applied to a building, means free from danger or hazard to the life, safety, health or welfare of persons occupying or frequenting it, or of the public, and from danger of settlement, movement, disintegration, or collapse, whether such danger arises from the method or materials of its construction or from equipment installed therein, for the purpose of lighting, heating, the transmission or utilization of electric current, or from its location or otherwise.*

**SAFETY SHUTOFF DEVICE.** *See “Flame safeguard.”*

**SANITARY.** *As applied to a building, means free from danger or hazard to the health of persons occupying or frequenting it or to that of the public, if such danger arises from the method or materials of its construction or from any equipment installed therein for the purpose of lighting, heating, ventilating, or plumbing.*

**SANITARY SEWER.** A sewer that carries sewage and excludes storm, surface and groundwater.

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

**SEISMIC DESIGN CATEGORY (SDC).** A classification assigned to a structure based on its occupancy category and the severity of the design earthquake ground motion at the site.

**SEPTIC TANK.** A water-tight receptor that receives the discharge of a building sanitary drainage system and is constructed so as to separate solids from the liquid, digest organic matter through a period of detention, and allow the liquids to discharge into the soil outside of the tank through a system of open joint or perforated piping or a seepage pit.

**SERIOUS HAZARD.** *A hazard of considerable consequence to safety or health through the design, location, construction, or equipment of a building, or the condition thereof, which hazard has been established through experience to be of certain or probable consequence, or which can be determined to be, or which is obviously such a hazard.*

**SERVICE WATER HEATING.** *Supply of hot water for purposes other than comfort heating.*

**SEWAGE.** Any liquid waste containing animal matter, vegetable matter or other impurity in suspension or solution.

**SEWAGE PUMP.** A permanently installed mechanical device for removing sewage or liquid waste from a sump.

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

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

**SHEAR WALL.** 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 accordance with Chapter 6 of this code and the *applicable* limitations in Section 301.2 of this code.

**SHINGLE FASHION.** A method of installing roof or wall coverings, water-resistive barriers, flashing or other building components such that upper layers of material are placed overlapping lower layers of material to provide drainage and protect against water intrusion at unsealed penetrations and joints or in combination with sealed joints.

**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.

**SITE-BUILT FENESTRATION PRODUCT.** *See FENESTRATION, Site-Built Fenestration Product.*

**SKYLIGHT.** *See FENESTRATION, Skylights.*

**SKYLIGHT, UNIT.** *See FENESTRATION, Unit Skylight.*

**SKYLIGHTS AND SLOPED GLAZING.** *See FENESTRATION, Skylights and Sloped Glazing.*

**SLIP JOINT.** A mechanical-type joint used primarily on fixture traps. The joint tightness is obtained by compressing a friction-type washer such as rubber, nylon, neoprene, lead or special packing material against the pipe by the tightening of a (slip) nut.

**SLOPE.** The fall (pitch) of a line of pipe in reference to a horizontal plane. In drainage, the slope is expressed as the fall in units vertical per units horizontal (percent) for a length of pipe.

**SMOKE-DEVELOPED INDEX.** A comparative measure, expressed as a dimensionless number, derived from measurements of smoke obscuration versus time for a material tested in accordance with ASTM E84 or UL 723.

**SPECIFIC GRAVITY (Chapter 24 – Fuel gas).** *As applied to gas, specific gravity is the ratio of the weight of a given volume to that of the same volume of air, both measured under the same condition.*

**SOIL STACK OR PIPE.** A pipe that conveys sewage containing fecal material.

**SOLAR ENERGY SYSTEM.** A system that converts solar radiation to usable energy, including photovoltaic panel systems and solar thermal systems.

**SOLAR HEAT GAIN COEFFICIENT (SHGC).** *The ratio of the solar heat gain entering the space through the fenestration assembly to the incident solar radiation. Solar heat gain includes directly transmitted solar heat and absorbed solar radiation that is then reradiated, conducted or convected into the space.*

**SOLAR THERMAL COLLECTOR.** Components in a solar thermal system that collect and convert solar radiation to thermal energy.

**SOLAR THERMAL SYSTEM.** A system that converts solar radiation to thermal energy for use in heating or cooling.

**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 C55, C62, C73, C145 or C216.

**SPLINE.** A strip of wood structural panel cut from the same material used for the panel facings, used to connect two structural insulated panels. The strip (spline) fits into a groove cut into the vertical edges of the two structural insulated

panels to be joined. Splines are used behind each facing of the structural insulated panels being connected as shown in Figure 610.8.

**STACK.** Any main vertical DWV line, including offsets, that extends one or more stories as directly as possible to its vent terminal.

**STACK BOND.** 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.

**STACK VENT.** The extension of soil or waste stack above the highest horizontal drain connected.

**STAIR.** A change in elevation, consisting of one or more risers.

**STAIRWAY.** One or more flights of stairs, either interior or exterior, with the necessary landings and connecting platforms to form a continuous and uninterrupted passage from one level to another within or attached to a building, porch or deck.

**STAIRWAY, SPIRAL.** A stairway with a plan view of closed circular form and uniform section-shaped treads radiating from a minimum-diameter circle.

**STANDARD REFERENCE DESIGN.** *A version of the proposed design that meets the minimum requirements of this code and is used to determine the maximum annual energy use requirement for compliance based on total building performance.*

**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 that 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.

**STORM SEWER, DRAIN.** A pipe used for conveying rainwater, surface water, subsurface water and similar liquid waste.

**STORY.** That portion of a building included between the upper surface of a floor and the upper surface of the floor or roof next above.

**STORY ABOVE GRADE PLANE.** Any story having its finished floor surface entirely above grade plane, or in which the finished surface of the floor next above is either of the following:

1. More than 6 feet (1829 mm) above grade plane.
2. More than 12 feet (3658 mm) above the finished ground level at any point.

**STRUCTURAL COMPOSITE LUMBER.** Structural members manufactured using wood elements bonded together with exterior adhesives.

Examples of structural composite lumber are:

**Laminated strand lumber (LSL).** A composite of wood strand elements with wood fibers primarily oriented along the length of the member, where the least dimension of the wood strand elements is 0.10 inch (2.54 mm) or less and their average lengths are not less than 150 times the least dimension of the wood strand elements.

**Laminated veneer lumber (LVL).** A composite of wood veneer elements with wood fibers primarily oriented along the length of the member, where the veneer element thicknesses are 0.25 inch (6.4 mm) or less.

**Oriented strand lumber (OSL).** A composite of wood strand elements with wood fibers primarily oriented along the length of the member, where the least dimension of the wood strand elements is 0.10 inch (2.54 mm) or less and their average lengths are not less than 75 times and less than 150 times the least dimension of the wood strand elements.

**Parallel strand lumber (PSL).** A composite of wood strand elements with wood fibers primarily oriented along the length of the member, where the least dimension of the wood strand elements is 0.25 inch (6.4 mm) or less and their average lengths are not less than 300 times the least dimension of the wood strand elements.

**STRUCTURAL INSULATED PANEL (SIP).** A structural sandwich panel that consists of a lightweight foam plastic core securely laminated between two thin, rigid wood structural panel facings.

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

**SUBSOIL DRAIN.** A drain that collects subsurface water or seepage water and conveys such water to a place of disposal.

**SUMP.** A tank or pit that receives sewage or waste, located below the normal grade of the gravity system and that must be emptied by mechanical means.

**SUMP PUMP.** A pump installed to empty a sump. These pumps are used for removing storm water only. The pump is selected for the specific head and volume of the load and is usually operated by level controllers.

**SUNROOM.** A one-story structure attached to a 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.

**SWEEP.** A drainage fitting designed to provide a change in direction of a drain pipe of less than the angle specified by the amount necessary to establish the desired slope of the line. Sweeps provide a longer turning radius than bends and a less turbulent flow pattern (see "Bend" and "Elbow").

**TECHNICALLY INFEASIBLE.** *An alteration of a building or a facility that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other existing physical or site constraints prohibit modification or addition of elements, spaces or features which are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility.*

**TEMPERATURE- AND PRESSURE-RELIEF (T AND P) VALVE.** A combination relief valve designed to function as both a temperature-relief and pressure-relief valve.

**TEMPERATURE-RELIEF VALVE.** A temperature-actuated valve designed to discharge automatically at the temperature at which it is set.

**TERMITE-RESISTANT MATERIAL.** Pressure-preservative-treated wood in accordance with the AWPA standards in Section 317.1, naturally durable termite-resistant wood, steel, concrete, masonry or other approved material.

**THERMAL ISOLATION.** *Physical and space conditioning separation from conditioned spaces. The conditioned spaces shall be controlled as separate zones for heating and cooling or conditioned by separate equipment.*

**THERMAL RESISTANCE, R-VALUE.** See “R-value.”

**THERMAL TRANSMITTANCE, U-FACTOR.** See “U-factor.”

**THERMOSTAT.** *An automatic control device used to maintain temperature at a fixed or adjustable set point.*

***Electric switch type.** A device that senses changes in temperature and controls electrically, by means of separate components, the flow of gas to the burner(s) to maintain selected temperatures.*

**THIRD-PARTY CERTIFICATION AGENCY.** *Deleted.*

**THIRD-PARTY CERTIFIED.** *Deleted.*

**TOILET, GAS-FIRED.** *A packaged and completely assembled appliance containing a toilet that incinerates refuse instead of flushing it away with water.*

**TOWNHOUSE.** *Deleted.*

**TRANSITION FITTINGS, PLASTIC TO STEEL.** *An adapter for joining plastic pipe to steel pipe. The purpose of this fitting is to provide a permanent, pressure-tight connection between two materials that cannot be joined directly one to another.*

**TRAP.** A fitting, either separate or built into a fixture, that provides a liquid seal to prevent the emission of sewer gases without materially affecting the flow of sewage or wastewater through it.

**TRAP ARM.** That portion of a fixture drain between a trap weir and the vent fitting.

**TRAP PRIMER.** A device or system of piping to maintain a water seal in a trap, typically installed where infrequent use of the trap would result in evaporation of the trap seal, such as floor drains.

**TRAP SEAL.** The trap seal is the maximum vertical depth of liquid that a trap will retain, measured between the crown weir and the top of the dip of the trap.

**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, that describes the design and physical characteristics of the truss.

**TUBULAR DAYLIGHTING DEVICE (TDD).** A nonoperable fenestration unit primarily designed to transmit daylight from a roof surface to an interior ceiling via a tubular conduit. The basic unit consists of an exterior glazed weathering surface, a light-transmitting tube with a reflective interior surface, and an interior-sealing device such as a translucent ceiling panel. The unit may be factory assembled, or field assembled from a manufactured kit.

**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).** *The coefficient of heat transmission (air to air) through a building component or assembly, equal to the time rate of heat flow per unit area and unit temperature difference between the warm side and cold side air films (Btu/h • ft<sup>2</sup> • °F) [W/(m<sup>2</sup> • K)].*

**UNDERLAYMENT.** 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.

**UNIT HEATER.** *A self-contained, automatically controlled, vented, fuel-gas-burning, space-heating appliance, intended for installation in the space to be heated without the use of ducts, and having integral means for circulation of air.*

**UNVENTED ROOM HEATER.** *An unvented heating appliance designed for stationary installation and utilized to provide comfort heating. Such appliances provide radiant heat or convection heat by gravity or fan circulation directly from the heater and do not utilize ducts.*

**VACUUM BREAKER.** A device that prevents back-siphonage of water by admitting atmospheric pressure through ports to the discharge side of the device.

**VALVE (Chapter 24 – Fuel gas).** *A device used in piping to control the gas supply to any section of a system of piping or to an appliance.*

**Appliance shutoff.** A valve located in the piping system, used to isolate individual appliances for purposes such as service or replacement.

**Automatic.** An automatic or semiautomatic device consisting essentially of a valve and an operator that control the gas supply to the burner(s) during operation of an appliance. The operator shall be actuated by application of gas pressure on a flexible diaphragm, by electrical means, by mechanical means or by other approved means.

**Automatic gas shutoff.** A valve used in conjunction with an automatic gas shutoff device to shut off the gas supply to a water-heating system. It shall be constructed integrally with the gas shutoff device or shall be a separate assembly.

**Individual main burner.** A valve that controls the gas supply to an individual main burner.

**Main burner control.** A valve that controls the gas supply to the main burner manifold.

**Manual main gas-control.** A manually operated valve in the gas line for the purpose of completely turning on or shutting off the gas supply to the appliance, except to pilot or pilots that are provided with independent shutoff.

**Manual reset.** An automatic shutoff valve installed in the gas supply piping and set to shut off when unsafe conditions occur. The device remains closed until manually reopened.

**Service shutoff.** A valve, installed by the serving gas supplier between the service meter or source of supply and the customer piping system, to shut off the entire piping system.

**VAPOR DIFFUSION PORT.** A passageway for conveying water vapor from an unvented attic to the outside atmosphere.

**VAPOR PERMEABLE.** The property of having a moisture vapor permeance rating of 5 perms ( $2.9 \times 10^{-10}$  kg/Pa  $\times$  s  $\times$  m<sup>2</sup>) or greater, where 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 CLASS.** A measure of the ability of a material or assembly to limit the amount of moisture that passes through that material or assembly. Vapor retarder class shall be defined using the desiccant method with Procedure A of ASTM E96 as follows:

**Class I:**  $\leq 0.1$  perm rating

**Class II:**  $> 0.1$  to  $\leq 1.0$  perm rating

**Class III:**  $> 1.0$  to  $\leq 10$  perm rating

**VENT.** *A pipe or other conduit composed of factory-made components, containing a passageway for conveying combustion products and air to the atmosphere, listed and labeled for use with a specific type or class of appliance.*

**Special gas vent.** *A vent listed and labeled for use with listed Category II, III and IV gas appliances.*

**Type B vent.** *A vent listed and labeled for use with appliances with draft hoods and other Category I appliances that are listed for use with Type B vents.*

**Type BW vent.** *A vent listed and labeled for use with wall furnaces.*

**Type L vent.** *A vent listed and labeled for use with appliances that are listed for use with Type L or Type B vents.*

**VENT COLLAR.** See “Flue collar.”

**VENT CONNECTOR.** That portion of a venting system that 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 where the appliance is in operation and to close off the venting system automatically where 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.

**VENT PIPING (Chapter 24 – Fuel gas).**

**Breather.** *Piping run from a pressure-regulating device to the outdoors, designed to provide a reference to atmospheric pressure. If the device incorporates an integral pressure relief mechanism, a breather vent can also serve as a relief vent.*

**Relief.** *Piping run from a pressure-regulating or pressure-limiting device to the outdoors, designed to provide for the safe venting of gas in the event of excessive pressure in the gas piping system.*

**VENT STACK.** A vertical vent pipe installed to provide circulation of air to and from the drainage system and that extends through one or more stories.

**VENT SYSTEM.** Piping installed to equalize pneumatic pressure in a drainage system to prevent trap seal loss or blowback due to siphonage or back pressure.

**VENTED APPLIANCE CATEGORIES.** *Appliances that are categorized for the purpose of vent selection are classified into the following four categories:*

**Category I.** *An appliance that operates with a non-positive vent static pressure and with a vent gas temperature that avoids excessive condensate production in the vent.*

**Category II.** *An appliance that operates with a non-positive vent static pressure and with a vent gas temperature that is capable of causing excessive condensate production in the vent.*

**Category III.** *An appliance that operates with a positive vent static pressure and with a vent gas temperature that avoids excessive condensate production in the vent.*

**Category IV.** *An appliance that operates with a positive vent static pressure and with a vent gas temperature that is capable of causing excessive condensate production in the vent.*

**VENTED ROOM HEATER.** *A vented self-contained, free-standing, non-recessed appliance for furnishing warm air to the space in which it is installed, directly from the heater without duct connections.*

**VENTED WALL FURNACE.** *A self-contained vented appliance complete with grilles or equivalent, designed for incorporation in or permanent attachment to the structure of a building, mobile home or travel trailer, and furnishing heated air circulated by gravity or by a fan directly into the space to be heated through openings in the casing. This definition shall exclude floor furnaces, unit heaters and central furnaces as herein defined.*

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

**VENTILATION AIR.** *That portion of supply air that comes from outside (outdoors) plus any recirculated air that has been treated to maintain the desired quality of air within a designated space.*

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

**VENTING SYSTEM.** A continuous open passageway from the flue collar *or* draft hood 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.

**VERTICAL FENESTRATION.** *See FENESTRATION, vertical.*

**VERTICAL PIPE.** Any pipe or fitting that makes an angle of 45 degrees (0.79 rad) or more with the horizontal.

**VINYL SIDING.** A shaped material, made principally from rigid polyvinyl chloride (PVC), that is used to cover exterior walls of buildings.

**VISIBLE TRANSMITTANCE (VT).** *The ratio of visible light entering the space through the fenestration product assembly to the incident visible light, Visible Transmittance, includes the effects of glazing material and frame and is expressed as a number between 0 and 1.*

**WALL HEATER, UNVENTED TYPE.** *A room heater of the type designed for insertion in or attachment to a wall or partition. Such heater does not incorporate concealed venting arrangements in its construction and discharges all products of combustion through the front into the room being heated.*

**WALL, RETAINING.** A wall not laterally supported at the top, that resists lateral soil load and other imposed loads.

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

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

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

**WASTE.** Liquidborne waste that is free of fecal matter.

**WASTE PIPE OR STACK.** Piping that conveys only liquid sewage not containing fecal material.

**WASTE RECEPTOR.** A floor sink, standpipe, hub drain or a floor drain that receives the discharge of one or more indirect waste pipes.

**WATER DISTRIBUTION SYSTEM.** Piping that conveys water from the service to the plumbing fixtures, appliances, appurtenances, equipment, devices or other systems served, including fittings and control valves.

**WATER HEATER.** Any heating appliance or equipment that heats potable water and supplies such water to the potable hot water distribution system.

**WATER MAIN.** A water supply pipe for public use.

**WATER OUTLET.** A valved discharge opening, including a hose bibb, through which water is removed from the potable water system supplying water to a plumbing fixture or plumbing appliance that requires either an air gap or backflow prevention device for protection of the supply system.

**WATER-RESISTIVE BARRIER.** A material behind an exterior wall covering that is intended to resist liquid water that has penetrated behind the exterior covering from further intruding into the exterior wall assembly.

**WATER SERVICE PIPE.** The outside pipe from the water main or other source of potable water supply to the water distribution system inside the building, terminating at the service valve.

**WATER SUPPLY SYSTEM.** The water service pipe, the water-distributing pipes and the necessary connecting pipes, fittings, control valves and appurtenances in or adjacent to the building or premises.

**WET VENT.** A vent that receives the discharge of wastes from other fixtures.

**WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM.** An exhaust system, supply system, or combination thereof that is designed to mechanically exchange indoor air for outdoor air where operating continuously or through a programmed intermittent schedule to satisfy the whole-house ventilation rate.

**WINDBORNE DEBRIS REGION.** *Deleted.*

**WINDER.** A tread with nonparallel 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, orientated strand board (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.

**ZONE.** *A space or group of spaces within a building with heating or cooling requirements that are sufficiently similar so that desired conditions can be maintained throughout using a single controlling device.*