## CHAPTER 2 DEFINITIONS

## 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 and are defined in the *International Building Code*, ICC *Electrical Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code* or the *International Plumbing Code*, such terms shall have meanings ascribed to them as in those codes.

**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 GENERAL DEFINITIONS

ACCESSIBLE (AS APPLIED TO EQUIPMENT). Admitting close approach because not guarded by locked doors, elevation or other effective means (see "Readily accessible").

**ADDITION.** An extension or increase in the height, conditioned floor area or conditioned volume of a building or structure.

**AIR TRANSPORT FACTOR.** The ratio of the rate of useful sensible heat removal from the conditioned space to the energy input to the supply and return fan motor(s), expressed in consistent units and under the designated operating conditions.

**ALTERATION.** Any construction, renovation or change in a mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation.

ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE). The ratio of annual output energy to annual input energy which includes any nonheating season pilot input loss, and for gas or oil-fired furnaces or boilers, does not include electrical energy.

**APPROVED.** Acceptable to the code official <u>for compliance</u> with the provisions of the applicable code or referenced <u>standard</u>.

**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").

**BASEMENT WALL.** The opaque portion of a wall which encloses one side of a basement and having an average

below-grade area greater than or equal to 50 percent of its total wall area, including openings (see "Gross area of exterior walls").

**BTU.** Abbreviation for British thermal unit, which is the quantity of heat required to raise the temperature of 1 pound (0.454 kg) of water  $1^{\circ}F(\Delta 0.56^{\circ}C)$ , (1 Btu = 1,055 J).

**BUILDING.** Any structure occupied or intended for supporting or sheltering any use or occupancy.

**BUILDING ENVELOPE.** The elements of a building which enclose conditioned spaces through which thermal energy is capable of being transferred to or from the exterior or to or from spaces exempted by the provisions of Section 101.2.1.

**CLOSED CRAWL SPACE.** A foundation without wall vents that uses air sealed walls, ground and foundation moisture control, and mechanical drying potential to control crawl space moisture. Insulation may be located at the floor level or at the exterior walls.

**CODE OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative.

**COEFFICIENT OF PERFORMANCE (COP)**— **COOL-ING.** The ratio of the rate of heat removal to the rate of energy input in consistent units, for a complete cooling system or factory-assembled equipment, as tested under a nationally recognized standard or designated operating conditions.

**COEFFICIENT OF PERFORMANCE (COP)—HEAT PUMP—HEATING.** The ratio of the rate of heat delivered to the rate of energy input, in consistent units, for a complete heat pump system under designated operating conditions. Supplemental heat shall not be considered when checking compliance with the heat pump equipment (COPs listed in the tables in Sections 503 and 803).

**COMFORT ENVELOPE.** The areas defined on a psychrometric chart and enclosing the range of operative temperatures and humidities for both the winter and summer comfort zones as depicted in Figure 2 of ASHRAE 55.

**COMMERCIAL BUILDING.** All buildings other than detached one- and two-family dwellings, townhouses and residential buildings, Groups R-2 and R-4.

**CONDENSER.** A heat exchanger designed to liquefy refrigerant vapor by removal of heat.

**CONDENSING UNIT.** A specific refrigerating machine combination for a given refrigerant, consisting of one or more power-driven compressors, condensers, liquid receivers (when required), and the regularly furnished accessories.

**CONDITIONED CRAWL SPACE.** A conditioned crawl space is a foundation without wall vents that encloses an intentionally heated and/or cooled space. Insulation is located at the exterior walls.

**CONDITIONED FLOOR AREA.** The horizontal projection of that portion of interior space which is contained within exterior walls and which is conditioned directly or indirectly by an energy-using system.

**CONDITIONED SPACE.** A heated or cooled space, or both, within a building and, where required, provided with humidification or dehumidification means so as to be capable of maintaining a space condition falling within the comfort envelope set forth in ASHRAE 55.

**COOLED SPACE.** Space within a building which is provided with a positive cooling supply (see "Positive cooling supply").

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

**DEADBAND.** The temperature range in which no heating or cooling is used.

**DEGREE DAY, COOLING.** A unit, based on temperature difference and time, used in estimating cooling energy consumption and specifying nominal cooling load of a building in summer. For any one day, when the mean temperature is more than  $65^{\circ}F$  (18°C), there are as many degree days as there are degrees Fahrenheit (Celsius) difference in temperature between the mean temperature for the day and  $65^{\circ}F$  (18°C). Annual cooling degree days (CDD) are the sum of the degree days over a calendar year.

**DEGREE DAY, HEATING.** A unit, based on temperature difference and time, used in estimating heating energy consumption and specifying nominal heating load of a building in winter. For any one day, when the mean temperature is less than  $65^{\circ}F(18^{\circ}C)$ , there are as many degree days as there are degrees Fahrenheit (Celsius) difference in temperature between the mean temperature for the day and  $65^{\circ}F(18^{\circ}C)$ . Annual heating degree days (HDD) are the sum of the degree days over a calendar year.

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

**ECONOMIZER.** A ducting arrangement and automatic control system that allows a cooling supply fan system to supply outdoor air to reduce or eliminate the need for mechanical refrigeration during mild or cold weather.

**ENERGY.** The capacity for doing work (taking a number of forms) which is capable of being transformed from one into another, such as thermal (heat), mechanical (work), electrical and chemical in customary units, measured in joules (J), kilowatt-hours (kWh) or British thermal units (Btu).

**ENERGY ANALYSIS.** A method for determining the annual (8,760 hours) energy use of the proposed design and standard design based on hour-by-hour estimates of energy use.

**ENERGY COST.** The total estimated annual cost for purchased energy for the building, including any demand charges, fuel adjustment factors and delivery charges applicable to the building.

**ENERGY EFFICIENCY RATIO (EER).** The ratio of net equipment cooling capacity in British thermal units per hour (Btu/h) (W) to total rate of electric input in watts under designated operating conditions. When consistent units are used, this ratio becomes equal to COP (see also "Coefficient of performance").

**EVAPORATOR.** That part of the system in which liquid refrigerant is vaporized to produce refrigeration.

EXTERIOR ENVELOPE. See "Building envelope."

**EXTERIOR WALL.** An above-grade wall enclosing conditioned space which is vertical or sloped at an angle 60 degrees (1.1 rad) or greater from the horizontal (see "Roof assembly"). Includes between-floor spandrels, peripheral edges of floors, roof and basement knee walls, dormer walls, gable end walls, walls enclosing a mansard roof, and basement walls with an average below-grade wall area which is less than 50 percent of the total opaque and nonopaque area of that enclosing side.

**FENESTRATION.** Skylights, roof windows, vertical windows (whether fixed or moveable), opaque doors, glazed doors, glass block, and combination opaque/glazed doors.

**FURNACE, DUCT.** A furnace normally installed in distribution ducts of air-conditioning systems to supply warm air for heating and which depends on a blower not furnished as part of the duct furnace for air circulation.

**FURNACE, WARM AIR.** A self-contained, indirect-fired or electrically heated furnace that supplies heated air through ducts to spaces that require it.

**GLAZING AREA.** Total area of the glazed fenestration measured using the rough opening and including sash, curbing or other framing elements that enclose conditioned space. Glazing area includes the area of glazed fenestration assemblies in walls bounding conditioned basements. For doors where the daylight opening area is less than 50 percent of the door area, the glazing area is the daylight opening area. For all other doors, the glazing area is the rough opening area for the door including the door and the frame.

**GROSS AREA OF EXTERIOR WALLS.** The normal projection of all exterior walls, including the area of all windows and doors installed therein (see "Exterior wall").

**GROSS FLOOR AREA.** The sum of the areas of several floors of the building, including basements, cellars, mezzanine and intermediate floored tiers and penthouses of headroom height, measured from the exterior faces of exterior walls or from the centerline of walls separating buildings, but excluding:

1. Covered walkways, open roofed-over areas, porches and similar spaces.

2. Pipe trenches, exterior terraces or steps, chimneys, roof overhangs and similar features.

**HEAT.** The form of energy that is transferred by virtue of a temperature difference or a change in state of a material.

**HEAT CAPACITY (HC).** The amount of heat necessary to raise the temperature of a given mass by one degree. The heat capacity of a building element is the sum of the heat capacities of each of its components.

**HEAT PUMP.** A refrigeration system that extracts heat from one substance and transfers it to another portion of the same substance or to a second substance at a higher temperature for a beneficial purpose.

**HEAT REJECTION EQUIPMENT.** Equipment used in comfort cooling systems such as air-cooled condensers, open cooling towers, closed-circuit cooling towers and evaporative condensers.

**HEAT TRAP.** An arrangement of piping and fittings, such as elbows, or a commercially available heat trap, that prevents thermosyphoning of hot water during standby periods.

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

**HEATED SPACE.** Space within a building which is provided with a positive heat supply (see "Positive heat supply"). Finished living space within a basement with registers or heating devices designed to supply heat to a basement space shall automatically define that space as heated space.

**HEATING SEASONAL PERFORMANCE FACTOR** (**HSPF**). The total heating output of a heat pump during its normal annual usage period for heating, in Btu, divided by the total electric energy input during the same period, in watt hours, as determined by DOE 10 CFR Part 430, Subpart B, Test Procedures and based on Region 4.

**HUMIDISTAT.** A regulatory device, actuated by changes in humidity, used for automatic control of relative humidity.

HVAC. Heating, ventilating and air conditioning.

**HVAC SYSTEM.** The equipment, distribution network, and terminals that provide either collectively or individually the processes of heating, ventilating, or air conditioning to a building.

**HVAC SYSTEM COMPONENTS.** HVAC system components provide, in one or more factory-assembled packages, means for chilling or heating water, or both, with controlled temperature for delivery to terminal units serving the conditioned spaces of the building. Types of HVAC system components include, but are not limited to, water chiller packages, reciprocating condensing units and water source (hydronic) heat pumps (see "HVAC system equipment").

**HVAC SYSTEM EQUIPMENT.** HVAC system equipment provides, in one (single package) or more (split system) factory-assembled packages, means for air circulation, air cleaning, air cooling with controlled temperature and dehumidification and, optionally, either alone or in combination with a heating plant, the functions of heating and humidifying. The cooling function is either electrically or heat operated and the refrigerant condenser is air, water or evaporatively cooled. Where the equipment is provided in more than one package, the separate packages shall be designed by the manufacturer to be used together. The equipment shall be permitted to provide the heating function as a heat pump or by the use of electric or fossil-fuel-fired elements. (The word "equipment" used without a modifying adjective, in accordance with common industry usage, applies either to HVAC system equipment or HVAC system components.)

**INFILTRATION.** The uncontrolled inward air leakage through cracks and interstices in any building element and around windows and doors of a building caused by the pressure effects of wind or the effect of differences in the indoor and outdoor air density or both.

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

**INTEGRATED PART-LOAD VALUE (IPLV).** A single measure of merit, based on part-load EER or COP expressing part-load efficiency for air-conditioning and heat pump equipment on the basis of weighted operation at various load capacities for the equipment.

**LABELED.** Devices, equipment, appliances, assemblies or materials to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, inspection agency or other organization concerned with product evaluation that maintains periodic inspection of the production of the above-labeled items and by whose label the manufacturer attests to compliance with applicable nationally recognized standards.

**LISTED.** Equipment, appliances, assemblies or materials included in a list published by a nationally recognized testing laboratory, inspection agency or other organization concerned with product evaluation that maintains periodic inspection of production of listed equipment, appliances, assemblies or material, and whose listing states either that the equipment, appliances, assemblies, or material meets nationally recognized standards or has been tested and found suitable for use in a specified manner.

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

**LUMINAIRE.** A complete lighting unit consisting of at least one lamp and the parts designed to distribute the light, to position and protect the lamp, to connect the lamp to the power supply and ballasting, when applicable. Luminaires are commonly referred to as "lighting fixtures."

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

**MULTIFAMILY DWELLING.** A building containing three or more dwelling units.

**MULTIPLE SINGLE-FAMILY DWELLING (TOWN-HOUSE).** A building not more than three stories in height consisting of multiple single-family dwelling units, constructed in a group of three or more attached units in which each unit extends from foundation to roof and with open space on at least two sides.

**OCCUPANCY.** The purpose for which a building, or portion thereof, is utilized or occupied.

**OPAQUE AREAS.** All exposed areas of a building envelope which enclose conditioned space, except openings for windows, skylights, doors and building service systems.

**OUTDOOR AIR.** Air taken from the outdoors and, therefore, not previously circulated through the system.

**OZONE DEPLETION FACTOR.** A relative measure of the potency of chemicals in depleting stratospheric ozone. The ozone depletion factor potential depends on the chlorine and bromine content and the atmospheric lifetime of the chemical. The depletion factor potential is normalized such that the factor for CFC-11 is set equal to unity and the factors for the other chemicals indicate their potential relative to CFC-11.

**PACKAGED TERMINAL AIR CONDITIONER (PTAC).** A factory-selected wall sleeve and separate unencased combination of heating and cooling components, assemblies or sections (intended for mounting through the wall to serve a single room or zone). It includes heating capability by hot water, steam or electricity. (For the complete technical definition, see ARI 310/380.)

**PACKAGED TERMINAL HEAT PUMP.** A PTAC capable of using the refrigeration system in a reverse cycle or heat pump mode to provide heat. (For the complete technical definition, see ARI 310/380.)

**POSITIVE COOLING SUPPLY.** Mechanical cooling deliberately supplied to a space, such as through a supply register. Also, mechanical cooling indirectly supplied to a space through uninsulated surfaces of space-cooling components, such as evaporator coil cases and cooling distribution systems which continually maintain air temperatures within the space of  $85^{\circ}F(29^{\circ}C)$  or lower during normal operation. To be considered exempt from inclusion in this definition, such surfaces shall comply with the insulation requirements of this code.

**POSITIVE HEAT SUPPLY.** Heat deliberately supplied to a space by design, such as a supply register, radiator or heating element. Also, heat indirectly supplied to a space through uninsulated surfaces of service water heaters and space-heating components, such as furnaces, boilers and heating and cooling distribution systems which continually maintain air temperature within the space of 50°F (10°C) or higher during normal operation. To be considered exempt from inclusion in this definition, such surfaces shall comply with the insulation requirements of this code.

**PROCESS ENERGY.** Energy consumed in support of manufacturing, industrial or commercial process other than conditioning spaces and maintaining comfort and amenities for the occupants of a building.

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

**READILY ACCESSIBLE.** Capable of being reached quickly for operation, renewal or inspections, 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"). **REFRIGERANT.** A substance utilized to produce refrigeration by its expansion or vaporization or absorption.

**REGISTERED DESIGN PROFESSIONAL.** An individual who is registered or licensed to practice their respective design profession as defined by the statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed. <u>Design by a Registered Design Professional is not required where exempt under the registration or licensure laws.</u>

**RENEWABLE ENERGY SOURCES.** Sources of energy (excluding minerals) derived from incoming solar radiation, including natural daylighting and photosynthetic processes; from phenomena resulting therefrom, including wind, waves and tides, lake or pond thermal differences; and from the internal heat of the earth, including nocturnal thermal exchanges.

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

**RESIDENTIAL BUILDING, GROUP R-2.** Residential occupancies containing more than two dwelling units where the occupants are primarily permanent in nature such as apartment houses, boarding houses (not transient), convents, monasteries, rectories, fraternities and sororities, dormitories and rooming houses. For the purpose of this code, reference to Group R-2 occupancies shall refer to buildings that are three stories or less in height above grade.

**RESIDENTIAL BUILDING, GROUP R-4.** Residential occupancies shall include buildings arranged for occupancies as Residential Care/Assisted Living Facilities, or adult and child day care facilities that provide accommodations in a residence occupied as a home by the caregiver for persons of any age for less than 24 hours, including more than five but not more than 16 occupants, excluding staff. For the purpose of this code, reference to Group R-4 occupancies shall refer to buildings which are three stories or less in height above grade.

**ROOF ASSEMBLY.** A roof assembly shall be considered as all roof/ceiling components of the building envelope through which heat flows, thus creating a building transmission heat loss or gain, where such assembly is exposed to outdoor air and encloses conditioned space.

The gross area of a roof assembly consists of the total interior surface of all roof/ceiling components, including opaque surfaces, dormer and bay window roofs, trey ceilings, overhead portions of an interior stairway to an unconditioned attic, doors and hatches, glazing and skylights exposed to conditioned space, that are horizontal or sloped at an angle less than 60 degrees (1.1 rad) from the horizontal (see "Exterior wall"). A roof assembly, or portions thereof, having a slope of 60 degrees (1.1 rad) or greater from horizontal shall be considered in the gross area of exterior walls and thereby excluded from consideration in the roof assembly. Skylight shaft walls 12 inches (305 mm) in depth or greater (as measured from the ceiling plane to the roof deck) shall be considered in the gross area of exterior walls and are thereby excluded from consideration in the roof assembly.

**ROOM AIR CONDITIONER.** An encased assembly designed as a unit for mounting in a window or through a wall, or as a console. It is designed primarily to provide free delivery

of conditioned air to an enclosed space, room or zone. It includes a prime source of refrigeration for cooling and dehumidification and means for circulating and cleaning air, and shall be permitted to also include means for ventilating and heating.

**SASH CRACK.** The sum of all perimeters of all window sashes, based on overall dimensions of such parts, expressed in feet. If a portion of one sash perimeter overlaps a portion of another sash perimeter, the overlapping portions are only counted once.

**SCREW LAMP HOLDERS.** A lamp base that requires a screw-in-type lamp such as an incandescent or tungsten-halogen bulb.

**SEASONAL ENERGY EFFICIENCY RATIO (SEER).** The total cooling output of an air conditioner during its normal annual usage period for cooling, in Btu/h (W), divided by the total electric energy input during the same period, in watt-hours, as determined by DOE 10 CFR Part 430, Subpart B, Test Procedures.

**SERVICE SYSTEMS.** All energy-using systems in a building that are operated to provide services for the occupants or processes housed therein, including HVAC, service water heating, illumination, transportation, cooking or food preparation, laundering and similar functions.

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

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

**SKYLIGHT.** Glazing that is horizontal or sloped at an angle less than 60 degrees (1.1 rad) from the horizontal (see "Glazing area").

**SLAB-ON-GRADE FLOOR INSULATION.** Insulation around the perimeter of the floor slab or its supporting foundation when the top edge of the floor perimeter slab is above the finished grade or 12 inches (305 mm) or less below the finished grade.

**SOLAR ENERGY SOURCE.** Source of natural daylighting and of thermal, chemical or electrical energy derived directly from conversion of incident solar radiation.

**STANDARD DESIGN.** A version of the proposed design that meets the minimum requirements of this code and is used to determine the maximum annual energy cost 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.

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

**SYSTEM.** A combination of central or terminal equipment or components or controls, accessories, interconnecting means, and terminal devices by which energy is transformed so as to perform a specific function, such as HVAC, service water heating or illumination.

**THERMAL CONDUCTANCE.** Time rate of heat flow through a body (frequently per unit area) from one of its bounding surfaces to the other for a unit temperature difference between the two surfaces, under steady conditions  $(Btu/h \cdot ft^2 \cdot {}^\circ F) [W/(m^2 \cdot K)].$ 

**THERMAL ISOLATION.** A separation of conditioned spaces, between a sunroom addition and a dwelling unit, consisting of existing or new wall(s), doors and/or windows. New wall(s), doors and/or windows shall meet the prescriptive envelope component criteria in Table 502.2.5.

**THERMAL RESISTANCE** (*R*). The reciprocal of thermal conductance ( $h \cdot ft^2 \cdot {}^{\circ}F/Btu$ ) [( $m^2 \cdot K$ )/W].

**THERMAL RESISTANCE, OVERALL**( $R_o$ ). The reciprocal of overall thermal conductance ( $h \cdot ft^2 \cdot {}^\circ F/Btu$ ) [( $m^2 \cdot K$ )/W]. The overall thermal resistance of the gross area or individual component of the exterior building envelope (such as roof/ceiling, exterior wall, floor, crawl space wall, foundation, window, skylight, door, opaque wall, etc.), which includes the area weighted *R*-values of the specific component assemblies (such as air film, insulation, drywall, framing, glazing, etc.).

**THERMAL TRANSMITTANCE** (*U*). The coefficient of heat transmission (air to air). It is the time rate of heat flow per unit area and unit temperature difference between the warm-side and cold-side air films  $(Btu/h \cdot ft^2 \cdot {}^\circ F)$  [W/(m<sup>2</sup> · K)]. The *U*-factor applies to combinations of different materials used in series along the heat flow path, single materials that comprise a building section, cavity airspaces and surface air films on both sides of a building element.

**THERMAL TRANSMITTANCE, OVERALL**  $(U_o)$ . The overall (average) heat transmission of a gross area of the exterior building envelope (Btu/h  $\cdot$  ft<sup>2</sup>  $\cdot$  °F) [W/(m<sup>2</sup>  $\cdot$  K)]. The  $U_o$ -factor applies to the combined effect of the time rate of heat flow through the various parallel paths, such as windows, doors and opaque construction areas, comprising the gross area of one or more exterior building components, such as walls, floors or roof/ceilings.

**THERMOSTAT.** An automatic control device actuated by temperature and designed to be responsive to temperature.

TOWNHOUSE. See "Multiple single-family dwelling."

**UNITARY COOLING AND HEATING EQUIPMENT.** One or more factory-made assemblies which include an evaporator or cooling coil, a compressor and condenser combination, and which shall be permitted to include a heating function as well. When heating and cooling equipment is provided in more than one assembly, the separate assemblies shall be designed to be used together.

**UNITARY HEAT PUMP.** One or more factory-made assemblies which include an indoor conditioning coil, compressor(s) and outdoor coil or refrigerant-to-water heat exchanger, including means to provide both heating and cooling functions. When heat pump equipment is provided in more than one assembly, the separate assemblies shall be designed to be used together.

**VENTILATION.** The process of supplying or removing air by natural or mechanical means to or from any space. Such air shall be permitted to be conditioned or unconditioned.

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

WALL VENTED CRAWL SPACE. A foundation that uses foundation wall vents as a primary means to control space moisture. Insulation is located at the floor level.

**WATER HEATER, INSTANTANEOUS.** A water heater with an input rating of at least 4,000 Btu/h per gallon (310 W/L) stored water and a storage capacity of less than 10 gallons (38 L).

**WATER HEATER, STORAGE.** A water heater with an input rating less than 4,000 Btu/h per gallon (310 W/L) of stored water or storage capacity of at least 10 gallons (38 L).

**WINDOW PROJECTION FACTOR.** A measure of the portion of glazing that is shaded by an eave or overhang.

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