

City of Philadelphia



(Bill No. 260395)

AN ORDINANCE

Amending Title 4 of The Philadelphia Code, entitled “The Philadelphia Building Construction and Occupancy Code,” by amending Subcode “R” (The Philadelphia Residential Code) and adopting the 2021 edition of the “International Residential Code,” as published by the International Code Council, with amendments thereto, as authorized by the Pennsylvania Uniform Construction Code Act, all under certain terms and conditions.

THE COUNCIL OF THE CITY OF PHILADELPHIA HEREBY ORDAINS:

SECTION 1. The contents of Subcode “R” of Title 4 of The Philadelphia Code, entitled “The Philadelphia Residential Code,” are hereby deleted and replaced with the following:

SUBCODE "R" (THE PHILADELPHIA RESIDENTIAL CODE)

Article R-1.0 Adoption of the "2021 International Residential Code," pursuant to the Pennsylvania Uniform Construction Code Act (“Act”), with state amendments and local amendments that were in effect prior to enactment of the Act or approved pursuant to Section 503 of the Act.

§ R-1.1 The "2021 International Residential Code," as published by the International Code Council, is hereby adopted as the Residential Code of the City of Philadelphia and is incorporated as if fully set forth herein, subject to the amendments provided in this Subcode R.

§ R-1.1.1 The numbers of all local amendments shall be preceded with the prefix "R-".

§ R-1.1.2 Throughout the code, references to "International" codes or "ICC" codes shall be deemed to refer to the "Philadelphia" codes of the same name.

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CHAPTER 1 SCOPE AND ADMINISTRATION

[Delete contents of Chapter 1 and replace as follows:]

SECTION R-R101 SCOPE AND GENERAL REQUIREMENTS

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R-R101.1 Title. These provisions shall be known as the Philadelphia Amendments to the International Residential Code and will be referred to herein as the "Philadelphia Residential Code" or "this code".

R-R101.2 Scope. The provisions of this code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height.

Exception: The following shall be permitted to be constructed in accordance with this code where provided with a residential fire sprinkler system complying with Section P2904:

1. Live/work units located in townhouses and complying with the requirements of Section 419 of the International Building Code.
2. Owner-occupied lodging houses with five or fewer guestrooms.
3. A care facility with five or fewer persons receiving custodial care within a dwelling unit.
4. A care facility with five or fewer persons receiving medical care within a dwelling unit.
5. A care facility for five or fewer persons receiving care that are within a single-family dwelling.

R-R101.3 Purpose. The purpose of this code is to provide minimum requirements to safeguard the public safety, health and general welfare through affordability, structural strength, means of egress, facilities, stability, sanitation, light and ventilation, energy conservation and safety to life and property from fire and other hazards attributed to the built environment, and to provide safety to fire fighters and first responders during emergency operations.

R-R101.4 Administrative provisions. This Chapter contains those provisions that are unique to the administration of this code. All other administrative provisions applicable to this code are as set forth in the Administrative Code (Subcode A).

R-R101.5 Appendices. The following appendices are adopted:

1. Sections AE501 through AE503 and AE601 through AE605 of Appendix E ("Manufactured Housing Used as Dwellings").

R-R101.6 Construction safeguards. The provisions of Chapter 33 of the International Building Code with amendments (Subcode B) shall apply to the construction safeguards required for all building construction and demolition.

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R-R101.7 Construction documents. In addition to the submittal requirements of the Administrative Code (Subcode A), the provisions of R-R101.7.1 and R-R101.7.2 shall apply.

R-R101.7.1 Manufacturer's installation instructions. Manufacturer's installation instructions, as required by this code, shall be available on the job site at the time of inspection.

R-R101.7.2 Information on braced wall design. For buildings and structures utilizing braced wall design, and where required by the code official, braced wall lines shall be identified on the construction documents. Pertinent information including, but not limited to, bracing methods, location and length of braced wall panels and foundation requirements of braced wall panels at top and bottom shall be provided.

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CHAPTER 2 DEFINITIONS

SECTION R202 DEFINITIONS.

* * *

[Add the following definition:]

Cool Roof Rating Council (or CRRC): The Cool Roof Rating Council, Inc., an American National Standards Institute-accredited standards developer organization that created, maintains, and updates the ANSI/CRRC S100 standard, entitled "Standard Test Methods for Determining Radiative Properties of Materials."

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CHAPTER 3 BUILDING PLANNING

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SECTION R301 DESIGN CRITERIA

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[Pursuant to the UCC, delete Section R301.1.4 and replace as follows:]

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R-301.1.4 Intermodal shipping containers. Intermodal shipping containers that are repurposed for use as buildings or structures shall be designed in accordance with the structural provisions in Section 3115 of the International Building Code. Prior to permitting, the applicant shall have the unit certified as free from contaminants by a qualified 3rd party inspector approved by the AHJ. Any penetrations beyond those permitted in Section 3115 of the International Building Code shall be certified by a Pennsylvania Registered Design Professional.

* * *

[Table R301.2(1) is revised to include the climatic and geographic design criteria for Philadelphia as follows:]

TABLE R-R301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND SPEED ^d (mph)	SEISMIC DESIGN CATEGOR Y ^f	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP ^e	ICE BARRIER UNDER- LAYMEN T REQUIRE D ^h	FLOOD HAZARDS ^g	AIR FREEZIN G INDEX ⁱ	MEAN ANNUAL TEMP ^j
			Weatherin g ^a	Frost line depth ^b	Termit e ^c					
25 psf	115	B	Severe	30 in.	Moderate to heavy	14° F	YES	(a) 1979 (b) 11/18/15 (c) see table R-R301.2(1a)	500	55.9° F

[Insert Table R-R301.2(1a) as follows:]

TABLE R-R301.2(1a)
PANEL NUMBERS AND DATES OF EFFECTIVE FIRMS FOR PHILADELPHIA

PANEL NUMBER	EFFECTIVE
420757IND0B	11/18/2015
4207570019G	01/17/2007
4207570038G	01/17/2007
4207570067G	01/17/2007
4207570078G	01/17/2007
4207570086G	01/17/2007
4207570087G	01/17/2007

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4207570088G	01/17/2007
4207570089G	01/17/2007
4207570104G	01/17/2007
4207570107G	01/17/2007
4207570108G	01/17/2007
4207570109G	01/17/2007
4207570111G	01/17/2007
4207570113G	01/17/2007
4207570114H	11/18/2015
4207570116G	01/17/2007
4207570117H	11/18/2015
4207570118H	11/18/2015
4207570119H	11/18/2015
4207570126G	01/17/2007
4207570127G	01/17/2007
4207570128G	01/17/2007
4207570129G	01/17/2007
4207570136H	11/18/2015
4207570157G	01/17/2007
4207570159G	01/17/2007
4207570167G	01/17/2007
4207570169H	11/18/2015
4207570177G	01/17/2007
4207570178G	01/17/2007
4207570179G	01/17/2007
4207570181G	01/17/2007
4207570182H	11/18/2015
4207570183G	01/17/2007
4207570184H	11/18/2015
4207570186H	11/18/2015
4207570187H	11/18/2015
4207570188H	11/18/2015
4207570189H	11/18/2015

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4207570191H	11/18/2015
4207570192H	11/18/2015
4207570193H	11/18/2015
4207570194H	11/18/2015
4207570201H	11/18/2015
4207570202H	11/18/2015
4207570203H	11/18/2015
4207570206H	11/18/2015
4207570230H	11/18/2015

* * *

SECTION R305 CEILING HEIGHT

[Pursuant to the UCC, delete Section R305.1 and replace as follows:]

R-R305.1 Minimum height. Habitable space, hallways and portions of basements containing these spaces shall have a ceiling height of not less than 7 feet (2134 mm). Bathrooms, toilet rooms and laundry rooms shall have a ceiling height of not less than 6 feet 8 inches (2032 mm).

Exceptions:

1. For rooms with sloped ceilings, the required floor area of the room shall have a ceiling height of not less than 5 feet (1524 mm) and not less than 50 percent of the required floor area shall have a ceiling height of not less than 7 feet (2134 mm).
2. The ceiling height above bathroom and toilet room fixtures shall be such that the fixture is capable of being used for its intended purpose. A shower or tub equipped with a showerhead shall have a ceiling height of not less than 6 feet 8 inches (2032 mm) above an area of not less than 30 inches (762 mm) by 30 inches (762 mm) at the showerhead.
3. Beams, girders, ducts or other obstructions in basements containing habitable space shall be permitted to project to within 6 feet 4 inches (1931 mm) of the finished floor.
4. Beams and girders spaced apart a minimum of 36 inches (914 mm) in clear finished width between projections and shall have a minimum clear ceiling height of 6 feet 6 inches (1981 mm) from the finished floor directly under the beam.

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SECTION R310 EMERGENCY ESCAPE AND RESCUE OPENINGS

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[Pursuant to the UCC, delete Section R310.1 and replace as follows:]

R-R310.1 Emergency escape and rescue opening required. Basements, habitable attics and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court having a minimum width of 36 inches (914 mm) that opens to a public way.

Exceptions:

1. Storm shelters and basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet (18.58 m²).
2. Where the dwelling unit or townhouse unit is equipped with an automatic sprinkler system installed in accordance with Section P2904, sleeping rooms in basements shall not be required to have emergency escape and rescue openings provided that the basement has one of the following:
 - 2.1. One means of egress complying with Section R311 and one emergency escape and rescue opening.
 - 2.2. Two means of egress complying with Section R311.
3. A yard shall not be required to open directly into a public way where the yard opens to an unobstructed path from the yard to the public way. Such path shall have a width of not less than 36 inches (914 mm).
4. Properties with in-fill lots that are sprinklered in accordance with Section 2904, and a minimum clear yard size of 80 sq ft (7.43 m²) shall be allowed to have access to the public way provided by a shared easement that is a minimum of 30 in (762 mm) wide.

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[Delete R310.7 and replace as follows, but retain R310.7.1:]

R-R310.7 Alterations or repairs of existing basements. An emergency escape and rescue opening is not required for existing basements undergoing alterations or repairs, where such alterations or repairs do not increase the existing story height of the basement.

Exception: New sleeping rooms created in an existing basement shall be provided with emergency escape and rescue openings in accordance with Section R310.1.

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SECTION R311 MEANS OF EGRESS

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[Pursuant to the UCC, delete Section R311.7.4 and replace as follows:]

R-R311.7.4 Walkline. The walkline across winder treads and landings shall be concentric to the turn and parallel to the direction of travel entering and exiting the turn. The walkline shall be located 12 inches (305 mm) from the inside of the turn. The 12-inch (305 mm) dimension shall be measured from the widest point of the clear stair width at the walking surface. Where winders are adjacent within a flight, the point of the widest clear stair width of the adjacent winders shall be used.

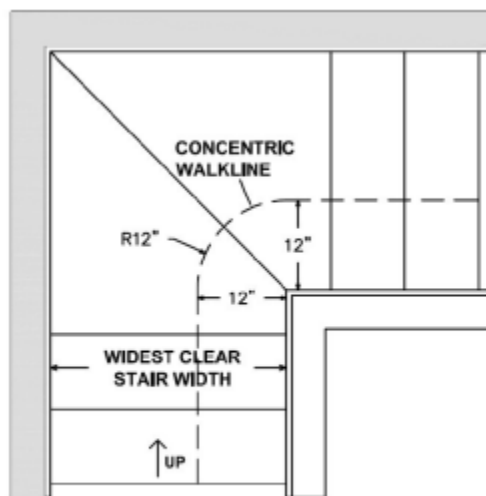


FIGURE R311.7.4
WINDER TREAD AND LANDING DETAIL

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SECTION R313 AUTOMATIC FIRE SPRINKLER SYSTEMS

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[Pursuant to the UCC, delete Section R313.2 and replace as follows:]

R-R313.2 Detached one- and two-family dwellings. A builder of a one-family or two-family dwelling shall, at or before the time of entering into the purchase contract, do all of the following:

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1. Offer to a buyer the option to install or equip, at the buyer's expense, an automatic fire sprinkler system in the building or dwelling unit designed and installed in accordance with the provisions of P2904 or NFPA 13D.
2. Provide the buyer with information which explains the initial and ongoing cost of installing and equipping an automatic fire sprinkler system in the building or dwelling unit.
3. Provide the buyer with information, as made available by the State Fire Commissioner on the agency's Internet website, on the possible benefits of installing an automatic sprinkler system.

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SECTION R314 SMOKE ALARMS

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[Pursuant to the UCC, delete Section R314.4 and replace as follows:]

R-R314.4 Interconnection. Where more than one smoke alarm is required to be installed within an individual dwelling unit in accordance with Section R314.3, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual dwelling unit. Physical interconnection of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm.

Exception: Interconnection of smoke alarms in existing areas shall not be required where alterations or repairs do not result in removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available that could provide access for interconnection without the removal of interior finishes.

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SECTION R322 FLOOD RESISTANT CONSTRUCTION

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[Delete Section R322.2.1 and replace as follows:]

R-R322.2.1 Elevation requirements.

1. Buildings and structures in flood hazard areas shall have the lowest floors elevated to or above the base flood elevation plus 1-1/2 feet (457 mm), or the design flood elevation, whichever is higher.
2. In areas of shallow flooding (AO Zones), buildings and structures shall have the lowest floor (including basement) elevated to a height of not less than the highest adjacent grade as the depth number specified in feet (mm) on the FIRM plus 1-1/2 feet (457 mm), or not less than 3 feet (15 mm) if a depth number is not specified.
3. Basement floors that are below grade on all sides shall be elevated to or above base flood elevation plus 1-1/2 feet (457 mm), or the design flood elevation, whichever is higher.

Exceptions:

1. Enclosed areas below the design flood elevation, including basements with floors that are not below grade on all sides, shall meet the requirements of Section R-322.2.2.
2. Accessory structures in accordance with Section R-R322.2.1.1.

R-R322.2.1.1 Accessory structures. Accessory structures are not required to be elevated to remain dry where they comply with all of the following requirements:

1. The structure shall not be designed or used for human habitation, but shall be limited to the parking of vehicles, or to the storage of tools, material, and equipment related to the principal use or activity;
2. The floor area shall not exceed 200 square feet;
3. The structure must have a low damage potential;
4. The structure must be located on the site so as to cause the least obstruction to the flow of flood waters;
5. Power lines, wiring, and outlets must be elevated to the elevation requirements of Section R-R322.2.1;
6. The structure shall not contain permanently affixed utility equipment and appliances such as furnaces, heaters, washers, dryers, etc.;
7. The structure shall not contain sanitary facilities; and
8. The structure shall be adequately anchored to prevent flotation, collapse, and lateral movement and shall be designed to automatically provide for the entry and exit of floodwater for the purpose of equalizing hydrostatic forces on the walls. Designs for meeting this requirement must either be certified by a registered design professional, or meet or exceed the following minimum criteria:
 - a. a minimum of two openings having a net total area of not less than one (1) square inch for every square foot of enclosed space;
 - b. the bottom of each opening shall be no more than one (1) foot above the higher of the finished interior floor or grade level and the finished exterior grade immediately under each opening;
 - c. openings shall be installed on at least two walls of the enclosed area to allow for automatic entry and exit of floodwaters;

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- d. openings shall not be less than 3 inches in any direction in the plane of the wall;
 - e. openings may be equipped with screens, louvers, etc. or other coverings or devices provided that they permit the automatic entry and exit of flood waters.
9. Building materials and installation methods used for flooring and interior and exterior walls below the elevation required in R-R322.2.1 shall be flood damage-resistant materials that conform to the provisions of FEMA-TB-2.
10. A structure located in the coastal high-hazard area (including V Zones and Coastal A Zones, where designated), shall meet the requirements of Section R-322.3.4 and R-322.3.5. All electrical equipment and component installations to meet requirements of section R-322.1.6.

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SECTION R325 MEZZANINES

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[Pursuant to the UCC, delete Section R325.5 and replace as follows:]

R-R325.5 Openness. Mezzanines shall be open and unobstructed to the room in which they are located except for walls not more than 36 inches (914 mm) in height, columns and posts.

Exception: Mezzanines or portions thereof are not required to be open to the room in which they are located, provided that the aggregate floor area of the enclosed space is not greater than 10 percent of the mezzanine area.

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SECTION R326 HABITABLE ATTICS

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[Pursuant to the UCC, delete Section R326.3 and replace as follows:]

R-R326.3 Story above grade plane. A habitable attic shall be considered a story above grade plane.

Exceptions: A habitable attic shall not be considered to be a story above grade plane provided that the habitable attic meets all the following:

1. The aggregate area of the habitable attic is either of the following:

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- 1.1. Not greater than one-third of the floor area of the story below.
 - 1.2. Not greater than one-half of the floor area of the story below where the habitable attic is located within a dwelling unit equipped with a fire sprinkler system in accordance with Section P2904.
2. The occupiable space is enclosed by the roof assembly above, knee walls, if applicable, on the sides and the floor-ceiling assembly below.

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CHAPTER 5 FLOORS

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SECTION R506 CONCRETE FLOORS (ON GROUND)

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[Pursuant to the UCC, delete Section R506.2.3 and replace as follows:]

R506.2.3 Vapor retarder. A minimum 6 mil (0.006 inch: 152 mm) polyethylene or approved vapor retarder with joints lapped not less than 6 inches (152 mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.

Exception: The vapor retarder is not required for the following:

1. Garages, utility buildings and other unheated accessory structures.
2. For unheated storage rooms having an area of less than 70 square feet (6.5 m²) and carports.
3. Driveways, walks, patios and other flatwork not likely to be enclosed and heated at a later date.
4. Where approved by the building official, based on local site conditions.

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CHAPTER 6 WALL CONSTRUCTION

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[Pursuant to the UCC, delete Sections R602.10 and R.602.11 entirety and replace as follows:]

R-R602.10 Wall bracing requirements. The wall bracing requirements of sections R602.10 through R602.11.3 of the 2006 International Residential Code shall apply.

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CHAPTER 7 WALL COVERING

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SECTION R703 EXTERIOR COVERING

* * *

[Pursuant to the UCC, delete Section R703.2 and replace as follows:]

R-R703.2 Water-resistive barrier. Not fewer than one layer of water-resistive barrier shall be applied over studs or sheathing of all exterior walls with flashing as indicated in Section R703.4, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer. The water-resistive barrier material shall be continuous to the top of walls and terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1. Where the water-resistive barrier also functions as a component of a continuous air barrier, the water-resistive barrier shall be installed as an air barrier in accordance with Section N1102.4.1.1. Water-resistive barrier materials shall comply with one of the following:

1. No. 15 felt complying with ASTM D226, Type 1.
2. ASTM E2568, Type 1 or 2.
3. Foam plastic insulating sheathing water-resistive barrier systems complying with Section R703.1.1 and installed in accordance with the manufacturer's installation instructions.
4. ASTM E331 in accordance with Section R703.1.1.
5. Other approved materials in accordance with the manufacturer's installation instructions.

No.15 asphalt felt and water-resistive barriers complying with ASTM E2556 shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm), and where joints occur, shall be lapped not less than 6 inches (152 mm).

Exception: A water-resistive barrier shall not be required in unconditioned detached tool sheds, playhouses, and other similar accessory structures provided all of the following requirements are met:

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1. Exterior wall covering is limited to siding that is attached directly to the studs.
2. Exterior walls are uninsulated.
3. Interior side of exterior walls has no wall covering or wall finishes.

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[Pursuant to the UCC, delete Section R703.3.1 and replace as follows:]

R-R703.3.1 Exterior soffit installation. Exterior soffits shall comply with Section R704.

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[Pursuant to the UCC, delete Section R703.4.1 and replace as follows:]

R-R703.4.1 Flashing installation at exterior window and door openings. Flashing at exterior window and door openings shall extend to the surface of the exterior wall finish or to a water-resistive barrier complying with Section 703.2 for subsequent drainage. Air sealing shall be installed around all window and door openings on the interior side of the rough opening gap. Mechanically attached flexible flashings shall comply with AAMA 712. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following:

1. The fenestration manufacturer's installation and flashing instructions, or for applications not addressed in the fenestration manufacturer's instructions, in accordance with the flashing or water-resistive barrier manufacturer's instructions. Where flashing instructions or details are not provided, pan flashing shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water resistive barrier for subsequent drainage. Openings using pan flashing shall incorporate flashing or protection at the head and sides.
2. In accordance with the flashing design or method of a registered design professional.
3. In accordance with other approved methods.

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[Pursuant to the UCC, delete Section R703.7 and replace as follows:]

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R-R703.7 Exterior plaster (stucco). Installation of exterior plaster shall be in compliance with ASTM C926-2018B, ASTM C1063-2018B and the provisions of this code.

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SECTION R704 SOFFITS

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[Pursuant to the UCC, delete Section R704.1 and replace as follows.]

R-R704.1 General wind limitations. Where the design wind pressure is 30 pounds per square foot (1.44 kPa) or less, exterior soffits shall comply with Section R704.2. Where the design wind pressure exceeds 30 pounds per square foot (1.44 kPa), exterior soffits shall comply with Section R704.3. The design wind pressure on exterior soffits shall be determined using the component and cladding loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.93 m²) and adjusted for height and exposure in accordance with Table R301.2.1(2).

* * *

[Pursuant to the UCC, delete Section R704.2 and replace as follows:]

R-R704.2 Exterior soffit installation where the design wind pressure is 30 psf or less. Where the design wind pressure is 30 pounds per square foot (1.44 kPa) or less, exterior soffit installation shall comply with Section R704.2.1, R704.2.2, R704.2.3 or R704.2.4. Soffit materials not addressed in Sections R704.2.1 through R704.2.4 shall be in accordance with the manufacturer's installation instructions.

R-R704.2.1 Vinyl and aluminum soffit panels. Vinyl and aluminum soffit panels shall be installed using aluminum, galvanized, stainless steel or rust-preventative coated nails or staples or other approved corrosion-resistant fasteners specified by the manufacturer and shall be fastened at both ends to a supporting component such as a nailing strip, fascia or sub-fascia component in accordance with Figure R704.2.1(1). Where the unsupported span of soffit panels is greater than 16 inches (406 mm), intermediate nailing strips shall be provided in accordance with Figure R704.2.1(2). Vinyl and aluminum soffit panels shall be installed in accordance with the manufacturer's installation instructions. Fascia covers shall be installed in accordance with the manufacturer's installation instructions.

FIGURE R-R704.2.1(1) TYPICAL SINGLE-SPAN VINYL AND ALUMINUM EXTERIOR SOFFIT PANEL SUPPORT

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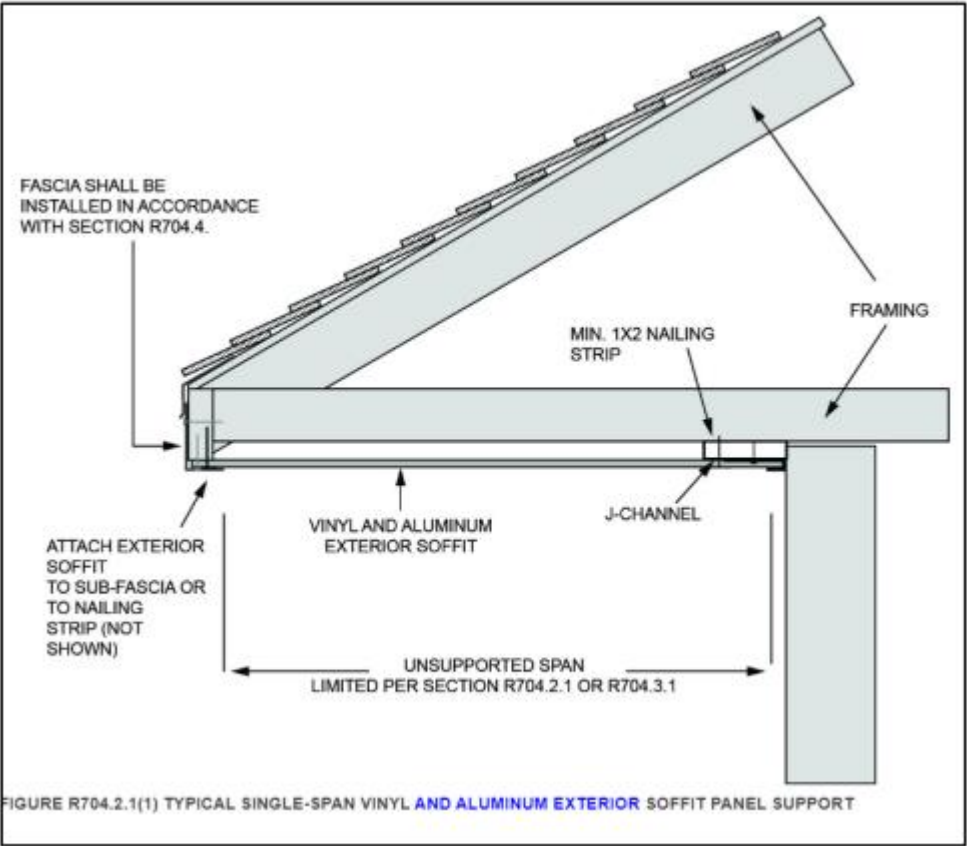
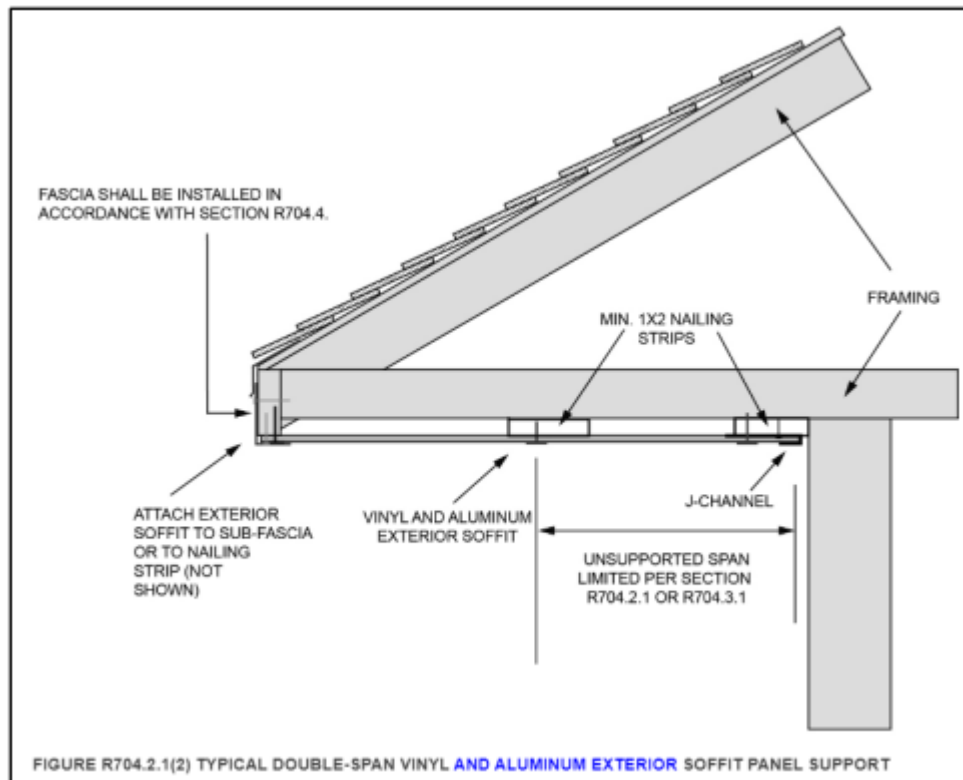


FIGURE R-R704.2.1(2) TYPICAL DOUBLE-SPAN VINYL AND ALUMINUM EXTERIOR SOFFIT PANEL SUPPORT



R-R704.2.2 Fiber-cement exterior soffit panels. Fiber-cement exterior soffit panels shall be a minimum of 1/4 inch (6.4 mm) in thickness and shall comply with the requirements of ASTM C1186, Type A, minimum Grade II, or ISO 8336, Category A, minimum Class 2. Panel joints shall occur over framing or over wood structural panel sheathing. Exterior soffit panels shall be installed with spans and fasteners in accordance with the manufacturer's installation instructions.

R-R704.2.3 Hardboard exterior soffit panels. Hardboard exterior soffit panels shall be not less than 7/16 inch (11.11 mm) in thickness and shall be fastened to framing or nailing strips with 2-1/2-inch by 0.113-inch (64 mm by 2.9 mm) siding nails spaced not more than 6 inches (152 mm) on center at panel edges and 12 inches (305 mm) on center at intermediate supports.

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R-R704.2.4 Wood structural panel exterior soffit. The minimum nominal thickness for wood structural panel soffits shall be 3/8-inch (9.5 mm) and shall be fastened to framing or nailing strips with 2-inch by 0.099-inch (51 mm by 2.5 mm) nails. Fasteners shall be spaced not more than 6 inches (152 mm) on center at panel edges and 12 inches (305 mm) on center at intermediate supports.

[Pursuant to the UCC, delete Section R704.3 and replace as follows:]

R-R704.3 Exterior soffit installation where the design wind pressure exceeds 30 psf. Where the design wind pressure is greater than 30 psf, exterior soffit installation shall comply with Section R-R704.3.1, R-R704.3.2, R-R704.3.3 or R-R704.3.4. Exterior soffit materials not addressed in Sections R704.3.1 through R704.3.4 shall be in accordance with the manufacturer's installation instructions.

R-R704.3.1 Vinyl exterior soffit panels. Vinyl exterior soffit panels and their attachments shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m²) and adjusted for height and exposure in accordance with Table R301.2.1(2). Vinyl exterior soffit panels shall be installed using fasteners specified by the manufacturer and shall be fastened at both ends to a supporting component such as a nailing strip, fascia or sub-fascia component in accordance with Figure R704.2.1(1). Where the unsupported span of exterior soffit panels is greater than 12 inches (305 mm), intermediate nailing strips shall be provided in accordance with Figure R704.2.1(2). Vinyl exterior soffit panels shall be installed in accordance with the manufacturer's installation instructions.

R-R704.3.2 Fiber-cement exterior soffit panels. Fiber-cement exterior soffit panels shall comply with Section R704.2.2 and shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m²) and adjusted for height and exposure in accordance with Table R301.2.1(2).

R-R704.3.3 Hardboard exterior soffit panels. Hardboard exterior soffit panels shall comply with the manufacturer's installation instructions and shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m²) and adjusted for height and exposure in accordance with Table R301.2.1(2).

R-R704.3.4 Wood structural panel exterior soffit. Wood structural panel exterior soffits shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m²) and adjusted for height and exposure in accordance with Table R301.2.1(2). Alternatively, wood structural panel exterior soffits shall be installed in accordance with Table R-R704.3.4.

[Pursuant to the UCC, Footnote e of Table R704.3 and replace as follows:]

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MAXIMUM DESIGN PRESSURE (+ or - psf)	MINIMUM PANEL SPAN RATING	MINIMUM PANEL PERFORMANCE CATEGORY	NAIL TYPE AND SIZE	FASTENER* SPACING ALONG EDGES AND INTERMEDIATE SUPPORTS	
				Galvanized Steel	Stainless Steel
30	24/0	3/8	6d box (2 × 0.099 × 0.266 head diameter)	6"	4
40	24/0	3/8	6d box (2 × 0.099 × 0.266 head diameter)	6	4
50	24/0	3/8	6d box (2 × 0.099 × 0.266 head diameter)	4	4
			8d common (2½ × 0.131 × 0.281 head diameter)	6	6
60	24/0	3/8	6d box (2 × 0.099 × 0.266 head diameter)	4	3
			8d common (2½ × 0.131 × 0.281 head diameter)	6	4
70	24/16	7/16	8d common (2½ × 0.131 × 0.281 head diameter)	4	4
			10d box (3 × 0.128 × 0.312 head diameter)	6	4
80	24/16	7/16	8d common (2½ × 0.131 × 0.281 head diameter)	4	4
			10d box (3 × 0.128 × 0.312 head diameter)	6	4
90	32/16	15/32	8d common (2½ × 0.131 × 0.281 head diameter)	4	3
			10d box (3 × 0.128 × 0.312 head diameter)	6	4

For SI: 1 inch = 25.4 mm, 1 pound per square foot = 0.0479 kPa.
a. Fasteners shall comply with Sections R703.3.2 and R703.3.3.
b. Maximum spacing of soffit framing members shall not exceed 24 inches.
c. Wood structural panels shall be of an exterior exposure grade.
d. Wood structural panels shall be installed with strength axis perpendicular to supports with not fewer than two continuous spans.
e. Wood structural panels shall be attached to soffit framing members with specific gravity of at least 0.42. Framing members shall be minimum 2 × 3 nominal with the larger dimension in the cross section aligning with the length of fasteners to provide sufficient embedment depths.
f. Spacing at intermediate supports shall be not greater than 12 inches on center.

e. Wood structural panels shall be attached to soffit framing members with specific gravity of at least 0.35. Where the specific gravity of the wood species used for soffit framing members is greater than or equal to 0.35 but less than 0.42 in accordance with AWC NDS, the fastener spacing shall be multiplied by 0.67 or the same fastener spacing as prescribed for galvanized steel nails shall be permitted to be used where RSRS-01 (2" x 0.099" x 0.266" head) nails replace 6d box nails and RSRS-03 (2-1/2" x 0.131" x 0.281" head) nails replace 8d common nails or 10d box nails. RSRS is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667. Framing members shall be minimum 2 × 3 nominal with the larger dimension in the cross section aligning with the length of fasteners to provide sufficient embedment depths.

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CHAPTER 8 ROOF-CEILING CONSTRUCTION

* * *

SECTION R802 WOOD ROOF FRAMING

[Pursuant to the UCC, delete Section R802.3 and replace as follows:]

R-R802.3 Ridge. A ridge board used to connect opposing rafters shall be not less than 1 inch (25 mm) nominal thickness and not less in depth than the cut end of the rafter. Where ceiling joist or rafter ties do not provide continuous ties across the structure as required by Section R802.5.2, the ridge shall be supported by a wall or ridge beam designed in accordance with accepted engineering practice and supported on each end by a wall, or column, or girder.

* * *

SECTION R806 ROOF VENTILATION

[Pursuant to the UCC, delete Section R806.1 and replace as follows:]

R-R806.1 Ventilation required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6 mm) minimum and 1/4-inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, perforated vinyl or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4-inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7. Required ventilation openings shall open directly to the outside air.

[Pursuant to the UCC, delete Section R806.2 and replace as follows:]

R806.2 Minimum vent area. The minimum net free ventilating area shall be 1/150 of the area of the vented space. Exception: The minimum net free ventilation area shall be 1/300 of the vented space provided one or more of the following conditions are met: 1. In Climate Zones 6, 7 and 8, a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling. 2. Not less than 40 percent and not more than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space. Upper ventilators shall be

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located not more than 3 feet (914 mm) below the ridge or highest point of the space, measured vertically, with the balance of the required ventilation provided by eave or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet (914 mm) below the ridge or highest point of the space shall be permitted.

[Pursuant to the UCC, delete Section R806.3 and replace as follows:]

R-R806.3 Vent and insulation clearance. Where eave or cornice vents are installed, nothing shall not block the free flow of air. Not less than a 1-inch (25 mm) space shall be provided between the insulation and the roof sheathing and at the location of the vent.

* * *

CHAPTER 9 ROOF ASSEMBLIES

* * *

SECTION R905 REQUIREMENTS FOR ROOF COVERINGS

[Add Section R-R905.18 as follows:]

R-R905.18 Reflectance. Roof Coverings over conditioned spaces on low-slope roofs (roof slope < 2:12) on newly constructed buildings and additions to existing buildings shall be rated by the Cool Roof Rating Council as having:

1. a minimum three-year aged solar reflectance of 0.62 and minimum three-year aged thermal emittance of 0.75; or,
2. a minimum Solar Reflectance Index of 75.

Exceptions:

1. An addition to a roof that supports living vegetation and includes a synthetic, high quality waterproof membrane, drainage layer, soil layer and light weight medium plants shall be permitted to comprise part or all of the roof area.
2. Walking surfaces of occupiable rooftops.
3. An area including and adjacent to rooftop photovoltaic and solar thermal equipment, totaling not more than three times the area that is covered with such equipment.

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4. Limited roof areas as determined by regulations promulgated by the Department of Licenses and Inspections.

A roof, the area of which is less than three (3) percent of the gross floor area of the building.

5. Any roof or portion of a roof composed of glass, metal, clay or concrete tile or plastic/rubber intended to simulate clay or concrete tile, wood, or slate.

CHAPTER 10 CHIMNEYS AND FIREPLACES

* * *

SECTION R1005 FACTORY BUILT CHIMNEYS

* * *

[Pursuant to the UCC, delete Section R1005.8 and add the following:]

R-R1005.8. Reserved.

* * *

CHAPTER 13 GENERAL MECHANICAL SYSTEM REQUIREMENTS

* * *

SECTION M1305 APPLIANCE ACCESS

* * *

[Pursuant to the UCC, delete Section M1305.1.3.2 and replace as follows:]

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R-M1305.1.3.2 Excavations. Excavations for appliance installations shall extend to a depth of 6 inches (152 mm) below the appliance and 12 inches (305 mm) on all sides, except that the control side shall have a clearance of 30 inches (762 mm).

* * *

CHAPTER 14 HEATING AND COOLING EQUIPMENT AND APPLIANCES

* * *

SECTION M1404 REFRIGERATION COOLING EQUIPMENT

[Delete Section 1404.1 and replace as follows:]

R-M1404.1 Compliance. Refrigeration cooling equipment shall be listed and labeled in accordance with UL 484, UL 1995 or UL/CSA 60335-2-40.

* * *

SECTION M1411 HEATING & COOLING EQUIPMENT

[Delete Section 1411 and replace as follows:]

R-M1411.1 Approved refrigerants.

Refrigerants used in direct refrigerating systems shall conform to the applicable provisions of ANSI/ASHRAE 34.

R-M1411.2 Refrigeration System Listing. Refrigeration systems using Group A2L refrigerants shall be listed and labeled to UL/CSA 60335-2-40. Refrigeration Systems using A1 refrigerants shall be listed to UL/CSA 60335-2-40 or UL 1995. The equipment shall be installed in accordance with the listing.

R-M1411.3 Refrigeration System Installation. Refrigeration systems shall be installed in accordance with the manufacturer's installation instructions. After installation, the manufacturers installation instructions, owner's manual, service manuals and any other product literature provided with equipment shall be attached to the indoor unit or left with the homeowner.

R-M1411.4 Field-Installed Accessories. Field-installed accessories shall be installed in accordance with the accessory and equipment manufacturer's installation instructions.

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Accessories installed in the ductwork of Group A2L refrigeration systems shall not contain electric heating elements, open flames, or devices switching electrical loads greater than 2.5 kVA.

R-M1411.5 Signs and Identification. Each refrigeration system using Group A2L refrigerant shall have the following information legibly and permanently indicated on a markable label provided by the equipment manufacturer.

1. Contact information of the company responsible that installed the refrigeration system.
2. The system refrigerant charge and the refrigerant number.

R-M1411.6 Refrigerant charge. Refrigeration systems shall have refrigerant charge in compliance with the equipment manufacturer's installation instructions and the requirements of the listing. Group A2L refrigerant charge for an individual refrigeration system shall not exceed 34.5 pounds (15.7 kg).

R-M1411.7 Group A2L refrigerant piping testing. The piping system containing Group A2L refrigerant shall be tested in accordance with the manufacturer's installation instructions and the requirements of the listing.

R-M1411.8 Refrigeration coils in warm-air furnaces.

Where a cooling coil is located in the supply plenum of a warm-air furnace, the furnace blower shall be rated at not less than 0.5-inch water column (124 Pa) static pressure unless the furnace is listed and labeled for use with a cooling coil. Cooling coils shall not be located upstream from heat exchangers unless listed and labeled for such use. Conversion of existing furnaces for use with cooling coils shall be permitted provided that the furnace will operate within the temperature rise specified for the furnace.

R-M1411.9 Condensate disposal.

Condensate from cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than $\frac{1}{8}$ unit vertical in 12 units horizontal (1-percent slope). Condensate shall not discharge into a street, alley or other area where it would cause a nuisance.

R-M1411.9.1 Auxiliary and secondary drain systems.

In addition to the requirements of Section M1411.3, a secondary drain or auxiliary drain pan shall be required for each cooling or evaporator coil where damage to any building components will occur as a result of overflow from the equipment drain pan or stoppage in the condensate drain piping. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than $\frac{1}{8}$ unit vertical in 12 units horizontal (1-percent slope). Drain piping shall be not less than $\frac{3}{4}$ -inch (19 mm) nominal pipe size. One of the following methods shall be used:

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1. An auxiliary drain pan with a separate drain shall be installed under the coils on which condensation will occur. The auxiliary pan drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The pan shall have a minimum depth of 1.5 inches (38 mm), shall be not less than 3 inches (76 mm) larger than the unit or the coil dimensions in width and length and shall be constructed of corrosion-resistant material. Galvanized sheet steel pans shall have a minimum thickness of not less than 0.0236-inch (0.6010 mm) (No. 24 Gage). Nonmetallic pans shall have a minimum thickness of not less than 0.0625 inch (1.6 mm).
2. A separate overflow drain line shall be connected to the drain pan installed with the equipment. This overflow drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The overflow drain line shall connect to the drain pan at a higher level than the primary drain connection.
3. An auxiliary drain pan without a separate drain line shall be installed under the coils on which condensation will occur. This pan shall be equipped with a water level detection device conforming to UL 508 that will shut off the equipment served prior to overflow of the pan. The pan shall be equipped with a fitting to allow for drainage. The auxiliary drain pan shall be constructed in accordance with Item 1 of this section.
4. A water-level detection device conforming to UL 508 shall be installed that will shut off the equipment served in the event that the primary drain is blocked. The device shall be installed in the primary drain line, the overflow drain line or the equipment-supplied drain pan, located at a point higher than the primary drain line connection and below the overflow rim of such pan.

R-M1411.9.1.1 Water-level monitoring devices. On down-flow units and other coils that do not have secondary drain or provisions to install a secondary or auxiliary drain pan, a water-level monitoring device shall be installed inside the primary drain pan. This device shall shut off the equipment served in the event that the primary drain becomes restricted. Devices shall not be installed in the drain line.

R-M1411.9.1.2 Appliance, equipment and insulation in pans. Where appliances, equipment or insulation are subject to water damage when auxiliary drain pans fill, that portion of the appliance, equipment and insulation shall be installed above the rim of the pan. Supports located inside of the pan to support the appliance or equipment shall be water resistant and approved.

R-M1411.9.2 Drain pipe materials and sizes. Components of the condensate disposal system shall be ABS, cast iron, copper, cross-linked polyethylene, CPVC, galvanized steel, PE-RT, polyethylene, polypropylene or PVC pipe or tubing. Components shall be selected for the pressure and temperature rating of the installation. Joints and connections shall be made in accordance with the applicable provisions of Chapter 30.

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Condensate waste and drain line size shall be not less than $\frac{3}{4}$ -inch (19 mm) nominal diameter from the drain pan connection to the place of condensate disposal. Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with an approved method.

R-M1411.9.3 Drain line maintenance.

Condensate drain lines shall be configured to permit the clearing of blockages and performance of maintenance without requiring the drain line to be cut.

R-M1411.9.4 Appliances, equipment and insulation in pans.

Where appliances, equipment or insulation are subject to water damage when auxiliary drain pans fill, those portions of the appliances, equipment and insulation shall be installed above the flood level rim of the pan. Supports located inside of the pan to support the appliance or equipment shall be water resistant and approved.

R-M1411.10 Condensate pumps.

Condensate pumps located in uninhabitable spaces, such as attics and crawl spaces, shall be connected to the appliance or equipment served such that when the pump fails, the appliance or equipment will be prevented from operating. Pumps shall be installed in accordance with the manufacturer's instructions.

R-M1411.11 Auxiliary drain pan.

Category IV condensing appliances shall have an auxiliary drain pan where damage to any building component will occur as a result of stoppage in the condensate drainage system. These pans shall be installed in accordance with the applicable provisions of Section M1411.3.

Exception: Fuel-fired appliances that automatically shut down operation in the event of a stoppage in the condensate drainage system.

R-M1411.12 Insulation of refrigerant piping.

Piping and fittings for refrigerant vapor (suction) lines shall be insulated with insulation having a thermal resistivity of not less than R-3 and having external surface permeance not exceeding 0.05 perm [$2.87 \text{ ng}/(\text{s} \times \text{m}^2 \times \text{Pa})$] when tested in accordance with ASTM E96.

R-M1411.12.1 Refrigerant line insulation protection.

Refrigerant piping insulation shall be protected in accordance with Section N1103.4.1.

R-M1411.13 Location and protection of refrigerant piping.

Refrigerant piping installed within $1\frac{1}{2}$ inches (38 mm) of the underside of roof decks shall be protected from damage caused by nails and other fasteners.

R-M1411.14 Support of refrigerant piping.

Refrigerant piping and tubing shall be securely fastened to a permanent support within 6 feet (1829 mm) of the condensing unit.

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R-M1411.15 Locking access port caps.

Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper-resistant caps or shall be otherwise secured to prevent unauthorized access.

* * *

SECTION M1412 ABSORPTION COOLING EQUIPMENT

[Delete Section 1412.1 and replace as follows:]

R-M1412.1 Listed equipment. Absorption Systems shall be installed in accordance with the manufacturer's instructions. Absorption equipment shall be listed and labeled in accordance with UL 1995 or UL/CSA/ANCE 60335-2-40

* * *

CHAPTER 15

EXHAUST SYSTEMS

* * *

SECTION M1502 CLOTHES DRYER EXHAUST

* * *

[Pursuant to the UCC, delete Section M1502.3.1]

* * *

CHAPTER 20

BOILERS AND WATER HEATERS

City of Philadelphia

BILL NO. 260395 continued

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* * *

SECTION M2001 BOILERS

* * *

[Pursuant to the UCC, add Section R-M2001.1.2 as follows:]

R-M2001.1.2 Coal-fired boilers. Coal-fired boilers shall not be subject to the stamping (labeling) requirements of Section M2001.1.1.

* * *

SECTION M2006 POOL HEATERS

[Delete Section 2006.1 and replace as follows:]

R-M2006.1 General. Pool and spa heater shall be installed in accordance with the manufacturer's installation instructions. Oil-fired pool heaters shall be listed and labeled in accordance with UL 726. Electric pool and spa heaters shall be listed and labeled in accordance with UL 1261. Pool and spa heat pump water heaters shall be listed and labeled in accordance with UL1995 or UL/CSA/ANCE 60335-2-40.

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CHAPTER 24

FUEL GAS

* * *

SECTION G2427: (503) VENTING OF APPLIANCES

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* * *

[Pursuant to the UCC, delete Section G2427.2.2 and replace as follows:]

R-G2427.2.2 (503.2.4) Appliances with integral vents. Appliances incorporating integral venting means shall be installed in accordance with Section G2427.8.

* * *

[Pursuant to the UCC, delete Section G2427.5.1 and replace as follows:]

R-G2427.5.1 (503.5.1) Factory-built chimneys. Factory-built chimneys shall be listed in accordance with UL 103 and installed in accordance with manufacturer's instructions. Factory-built chimneys used to vent appliances that operate at a positive vent pressure shall be listed for such application.

* * *

[Pursuant to the UCC, delete Section G2427.5.4 and replace as follows:]

R-G2427.5.4 (503.5.5) Size of chimneys. The effective area of a chimney venting system serving listed appliances with draft hoods, Category I appliances, and other appliances listed for use with Type B vents shall be determined in accordance with one of the following methods:

1. The provisions of Section G2428.
2. The effective areas of the vent connector and chimney flue of a venting system serving a single appliance with a draft hood shall be not less than the area of the appliance flue collar or draft hood outlet, nor greater than seven times the draft hood outlet area.
3. The effective area of a chimney flue or a venting system serving two appliances with draft hoods, shall be not less than the area of the larger draft hood outlet plus 50 percent of the area of the smaller draft hood outlet. Nor greater than seven times the smallest draft hood outlet.
4. Chimney venting systems using mechanical draft shall be sized in accordance with approved engineering methods.
5. Other approved engineering methods.

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* * *

[Pursuant to the UCC, delete Section G2427.5.10 and replace as follows:]

R-G2427.5.10 (503.5.11) Insulation shield. Where a factory-built chimney passes through insulated assemblies, an insulation shield constructed of steel having a thickness of not less than 0.0187 inch (0.475 mm) (nominal 26 gage) shall be installed to provide clearance between the chimney and the insulation material. The clearance shall be not less than the clearance to combustibles specified by the chimney manufacturer's installation instructions. Where chimneys pass through attic space, the shield shall terminate not less than 2 inches (51 mm) above the installation materials and shall be secured in place to prevent displacement. Insulation shields provided as part of a listed chimney system shall be installed in accordance with the manufacturer's installation instructions.

* * *

CHAPTER 36 SERVICES (ELECTRICAL)

* * *

SECTION E3601 GENERAL SERVICES

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[Pursuant to the UCC, delete Section E3601.8 and replace as follows:]

R-E3601.8 Emergency disconnects. For one- and two-family detached dwelling units, all service conductors shall terminate in disconnecting means having a short-circuit current rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. If more than one disconnect is provided, they shall be grouped. Each disconnect shall be one of the following:

1. Service disconnects marked as follows: EMERGENCY DISCONNECT, SERVICE DISCONNECT.
2. Meter disconnect switches that have a short-circuit current rating equal to or greater than the available fault current and all metal housings and service enclosures are grounded in accordance with Section E3908.7 and bonded in accordance with Section 3609. A meter

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disconnect switch shall be capable of interrupting the load served and shall be marked as follows: EMERGENCY DISCONNECT, METER DISCONNECT, NOT SERVICE EQUIPMENT.

3. Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows: EMERGENCY DISCONNECT, NOT SERVICE EQUIPMENT. Markings shall comply with Section E3404.12. [230.82 (3), 230.85]

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CHAPTER 39 POWER AND LIGHTING DISTRIBUTION

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SECTION E3901 POWER AND LIGHTING DISTRIBUTION

* * *

[Pursuant to the UCC, delete Section E3901.4.2 and replace as follows:]

R-E3901.4.2 Island Countertop Spaces. At least one receptacle outlet shall be installed at each island countertop space with a long dimension of 24 inches (610 mm) or greater and a short dimension of 12 inches (305 mm) or greater. [210.52(C)(2)]

R-E3901.4.2.1 Peninsular Countertop Space. Not less than one receptacle outlet shall be installed at each peninsular countertop long dimension space having a long dimension of 24-inches (610 mm) or greater and a short dimension of 12 inches (305 mm) or greater. A peninsular countertop is measured from the connected perpendicular wall. [210.52(C)(3)]

* * *

[Pursuant to the UCC, delete Section E3901.11 and replace as follows:]

R-E3901.11 Foyers. Foyers that are not part of a hallway in accordance with Section E3901.10 and that have an area that is greater than 60 ft² (5.57 m²) shall have a receptacle(s) located in each wall space that is 6 feet (1829 mm) or more in width, but a minimum of one receptacle. Doorways, door-side windows that extend to the floor, and similar openings shall not be considered as wall space. [210.52(H)]

* * *

SECTION E3905 BOXES, CONDUIT BODIES AND FITTINGS

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* * *

[Pursuant to the UCC, delete Section E3905.8 and replace as follows:]

R-E3905.8 Boxes at fan outlets. Outlet boxes and outlet box systems used as the sole support of ceiling-suspended fans (paddle) shall be marked by their manufacturer as suitable for this purpose and shall not support ceiling-suspended fans (paddle) that weigh more than 70 pounds (31.8 kg). For outlet boxes and outlet box systems designed to support ceiling-suspended fans (paddle) that weigh more than 35 pounds (15.9 kg), the required marking shall include the maximum weight to be supported.

Outlet boxes mounted in the ceilings of habitable rooms for the installation of a ceiling-suspended (paddle) fan shall comply with one of the following:

1. Listed for sole support of ceiling-suspended (paddle) fans.
2. An outlet box complying with the applicable requirements of Section E3905.6 and providing access to structural framing capable of supporting of a ceiling suspended (paddle) fan bracket or equipment. [314.27(C)]

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CHAPTER 40 DEVICES AND LUMINARES

* * *

SECTION E4002 RECEPTACLES

* * *

[Pursuant to the UCC, delete Section E4002.11 and replace as follows:]

R-E4002.11 Bathtub and shower space. A receptacle shall not be installed within or directly over a bathtub or shower stall. [406.9(C)]

* * *

SECTION E4004 LUMINAIRE INSTALLATION

* * *

[Pursuant to the UCC, delete Section E4004.5 and replace as follows:]

R-E4004.5 Means of support. Luminaires shall be permitted to be supported by outlet boxes or fittings installed as required by Sections E3905, and E3906. Outlet boxes complying with Section E3905.6.3 shall be considered lighting outlets as required by Section E3903. [410.36(A)]

* * *

CHAPTER 44 REFERENCED STANDARDS

* * *

[Delete ASHRAE and replace as follows:]

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ASHRAE

A

ASHRAE 34 2022

* * *

[Delete UL and replace as follows:]

UL

UL/CSA 60335-2-40—2022

* * *

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CERTIFICATION: This is a true and correct copy of the original Bill, Passed by the City Council on June 4, 2026. The Bill was Signed by the Mayor on June 12, 2026.

A handwritten signature in black ink, reading "Elizabeth McCollum". The signature is fluid and cursive, with the first name "Elizabeth" and last name "McCollum" clearly distinguishable.

Elizabeth McCollum
Chief Clerk of the City Council