



STATE OF MICHIGAN
JOCELYN BENSON, SECRETARY OF STATE
DEPARTMENT OF STATE
LANSING

May 01, 2025

NOTICE OF FILING

ADMINISTRATIVE RULES

To: Secretary of the Senate
Clerk of the House of Representatives
Joint Committee on Administrative Rules
Michigan Office of Administrative Hearings and Rules (Administrative Rule #22-016-LR)
Legislative Service Bureau (Secretary of State Filing #25-05-01)
Department of Licensing and Regulatory Affairs

In accordance with the requirements of Section 46 of Act No. 306 of the Public Acts of 1969, being MCL 24.246, and paragraph 16 of Executive Order 1995-6, this is to advise you that the Michigan Office of Administrative Hearings and Rules filed Administrative Rule #2022-016-LR (Secretary of State Filing #25-05-01) on this date at 1:39 P.M. for the Department of Licensing and Regulatory Affairs entitled, "Construction Codes - Part 5. Residential Code".

These rules become effective 120 days after filing with the secretary of state.

Sincerely,

Jocelyn Benson
Secretary of State

Lashana Threlkeld, Departmental Supervisor
Office of the Great Seal

Enclosure



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

MARLON I. BROWN, DPA
DIRECTOR

May 1, 2025

The Honorable Jocelyn Benson
Secretary of State
Office of the Great Seal
Richard H. Austin Building – 1st Floor
430 W. Allegan
Lansing, MI 48909

Dear Secretary Benson:

Re: Michigan Administrative Rules #: 2022-16 LR

The Michigan Office of Administrative Hearings and Rules received administrative rules, dated June 12, 2024 for the Department of Licensing and Regulatory Affairs **“Construction Codes - Part 5. Residential Code”**. We are transmitting these rules to you pursuant to the requirements of Section 46 of Act No. 306 of the Public Acts of 1969, being MCL 24.246, and paragraph 16 of Executive Order 1995-6.

Sincerely,

Michigan Office of Administrative Hearings and Rules



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
MICHIGAN OFFICE OF ADMINISTRATIVE HEARINGS AND RULES
SUZANNE SONNEBORN
EXECUTIVE DIRECTOR

MARLON I. BROWN, DPA
DIRECTOR

LEGAL CERTIFICATION OF RULES

I certify that I have examined the attached administrative rules, dated June 12, 2024, in which the Department of Licensing and Regulatory Affairs proposes to modify a portion of the Michigan Administrative Code entitled "Construction Code-- Part 5. Residential Code" by:


- ◆ Adding R 408.30533c.
- ◆ Amending R 408.30500, R 408.30501b, R 408.30505, R 408.30513, R 408.30515, R 408.30516, R 408.30518, R 408.30519, R 408.30521a, R 408.30524, R 408.30529, R 408.30530, R 408.30532, R 408.30533, R 408.30533a, R 408.30533b, R 408.30534, R 408.30535, R 408.30536, R 408.30539a, R 408.30541a, R 408.30544, R 408.30544b, and R 408.30547d.
- ◆ Rescinding R 408.30501a, R 408.30506, R 408.30507, R 408.30509, R 408.30510, R 408.30510a, R 408.30521, R 408.30522a, R 408.30522b, R 408.30523, R 408.30523a, R 408.30525a, R 408.30528, R 408.30528a, R 408.30536a, R 408.30537, R 408.30537a, R 408.30537b, R 408.30537c, R 408.30537d, R 408.30538, R 408.30540, R 408.30542, R 408.30544a, R 408.30545, R 408.30545a, R 408.30547b, R 408.30547c, R 408.30547e, R 408.30547f, and R 408.30547g.

The Legislative Service Bureau has approved the proposed rules as to form, classification, and arrangement.

I approve the rules as to legality pursuant to the Administrative Procedures Act, MCL 24.201 *et seq.* and Executive Order No. 2019-6. In certifying the rules as to legality, I have determined that they are within the scope of the authority of the agency, do not violate constitutional rights, and are in conformity with the requirements of the Administrative Procedures Act.

Dated: July 8, 2024

Michigan Office of Administrative Hearings and Rules

By: 
Ashlee N. Lynn,
Attorney



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

MARLON I. BROWN, DPA
DIRECTOR

CERTIFICATE OF ADOPTION

By authority conferred on the Director of the Department of Licensing and Regulatory Affairs by Section 4 of the Stille-DeRossett-Hale Single State Construction Code Act, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL 445.2011, 445.2025, and 445.2030.

R 408.30500, R 408.30501b, R 408.30505, R 408.30513, R 408.30515, R 408.30516, R 408.30518, R 408.30519, R 408.30521a, R 408.30524, R 408.30529, R 408.30530, R 408.30532, R 408.30533, R 408.30533a, R 408.30533b, R 408.30534, R 408.30535, R 408.30536, R 408.30539a, R 408.30541a, R 408.30544, R 408.30544b, and R 408.30547d of the Michigan Administrative Code are amended, R 408.30533c is added, and R 408.30501a, R 408.30506, R 408.30507, R 408.30509, R 408.30510, R 408.30510a, R 408.30521, R 408.30522a, R 408.30522b, R 408.30523, R 408.30523a, R 408.30525a, R 408.30528, R 408.30528a, R 408.30536a, R 408.30537, R 408.30537a, R 408.30537b, R 408.30537c, R 408.30537d, R 408.30538, R 408.30540, R 408.30542, R 408.30544a, R 408.30545, R 408.30545a, R 408.30547b, R 408.30547c, R 408.30547e, R 408.30547f, and R 408.30547g are rescinded.

Date: 05/20/2024

Adopted by: Marlon I. Brown
Marlon I. Brown, DPA
Director
Department of Licensing and Regulatory Affairs



Since 1941

Legal Division

Kevin H. Studebaker, Director

CERTIFICATE OF APPROVAL

On behalf of the Legislative Service Bureau, and as required by section 45 of the Administrative Procedures Act of 1969, 1969 PA 306, MCL 24.245, I have examined the proposed rules of the Department of Licensing and Regulatory Affairs dated June 12, 2024 amending R 408.30500, R 408.30501b, R 408.30505, R 408.30513, R 408.30515, R 408.30516, R 408.30518, R 408.30519, R 408.30521a, R 408.30524, R 408.30529, R 408.30530, R 408.30532, R 408.30533, R 408.30533a, R 408.30533b, R 408.30534, R 408.30535, R 408.30536, R 408.30539a, R 408.30541a, R 408.30544, R 408.30544b, and R 408.30547d, rescinding R 408.30501a, R 408.30506, R 408.30507, R 408.30509, R 408.30510, R 408.30510a, R 408.30521, R 408.30522a, R 408.30522b, R 408.30523, R 408.30523a, R 408.30525a, R 408.30528, R 408.30528a, R 408.30536a, R 408.30537, R 408.30537a, R 408.30537b, R 408.30537c, R 408.30537d, R 408.30538, R 408.30540, R 408.30542, R 408.30544a, R 408.30545, R 408.30545a, R 408.30547b, R 408.30547c, R 408.30547e, R 408.30547f, and R 408.30547g, and adding R 408.30533c of the Department's rules entitled "Construction Code – Part 5. Residential Code." I approve the rules as to form, classification, and arrangement.

Michigan Legislature

124 W. Allegan Street, 3rd Floor • P.O. Box 30036 • Lansing, MI 48909-7536 • (517) 373-9425 • Fax: (517) 373-5642

Dated: July 8, 2024

LEGISLATIVE SERVICE BUREAU

A handwritten signature in black ink, appearing to read "R. M. Hughart", written over a horizontal line.

By _____
Rachel M. Hughart,
Legal Counsel

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

Filed with the secretary of state on May 1, 2025

These rules become effective 120 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL 445.2011, 445.2025, and 445.2030)

R 408.30500, R 408.30501b, R 408.30505, R 408.30513, R 408.30515, R 408.30516, R 408.30518, R 408.30519, R 408.30521a, R 408.30524, R 408.30529, R 408.30530, R 408.30532, R 408.30533, R 408.30533a, R 408.30533b, R 408.30534, R 408.30535, R 408.30536, R 408.30539a, R 408.30541a, R 408.30544, R 408.30544b, and R 408.30547d of the Michigan Administrative Code are amended, R 408.30533c is added, and R 408.30501a, R 408.30506, R 408.30507, R 408.30509, R 408.30510, R 408.30510a, R 408.30521, R 408.30522a, R 408.30522b, R 408.30523, R 408.30523a, R 408.30525a, R 408.30528, R 408.30528a, R 408.30536a, R 408.30537, R 408.30537a, R 408.30537b, R 408.30537c, R 408.30537d, R 408.30538, R 408.30540, R 408.30542, R 408.30544a, R 408.30545, R 408.30545a, R 408.30547b, R 408.30547c, R 408.30547e, R 408.30547f, and R 408.30547g are rescinded, as follows:

PART 5. RESIDENTIAL CODE

R 408.30500 Applicable code.

Rule 500. The provisions of the international residential code, 2021 edition, including appendices AA, AB, AC, AD, AE, AF, AG, AJ, AK, AN, AO, AP, AR, and AS except for Sections R104.2, R104.3, R104.5, R104.7, R104.8, R104.8.1, R105.3, R105.3.1, R105.3.2, R105.6, R105.9, R108.3, R108.4, R108.5, R108.6, R109.1, R112.2, R112.3, R112.4, R113.1 to R113.3, R113.4, R114.1 to R114.4, R313.1.1 to R313.2.1, R602.11, R602.12, N1102.3.2, tables R507.2.3, and sections M1411.8, G2439.7.2, P2503.9, P2709.2.3, P2904.1.1 to P2904.8.2, P2905.1, P2905.2, figure P2904.2.4.2, table P2904.2.2, tables P2904.6.2(1) to P2904.6.2(9), P3009.1 to P3009.11.1, E3401.2 to E4304.5 and AJ102.4, the IBC-2021, IECC-2021, IMC-2021, IPC-2021, NFPA 70-2023 listed in chapter 44 govern the construction, alteration, relocation, demolition, use, and occupancy of buildings and structures, and, with the exceptions noted, the international residential code is adopted by reference in these rules. All references to the International Building Code, International Residential Code, International Energy Conservation Code, National Electrical Code, International Existing Building Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Energy Code, Michigan Electrical Code, Michigan Rehabilitation Code for Existing Buildings, Michigan Mechanical Code, and Michigan Plumbing Code, respectively. ASHRAE 34-2022 edition: Designation and Safety Classification of Refrigerants

June 12, 2024

can be purchased at www.techstreet.com/ashrae for \$178.00. The code is available for inspection and purchase at the Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, 611 West Ottawa Street, First Floor Ottawa Building, Lansing, Michigan 48933. The code may be purchased from the International Code Council, through the bureau's website at www.michigan.gov/bcc, at a cost as of the time of adoption of these rules of \$140.00 for each code book.

R 408.30501a Rescinded.

R 408.30501b Intent.

Rule 501b. Section R101.3 of the code is amended to read as follows:

R101.3. Intent. The purpose of this code is to establish 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 emergency responders during emergency operations. The Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to 125.1531, takes precedence over all provisions of this code.

R 408.30505 Work exempt from permit.

Rule 505. Section R105.2 of the code is amended to read as follows:

R105.2. Work exempt from permit. Exemption from the permit requirements of the code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of the code or any other laws or ordinances of this jurisdiction. Permits are not required for any of the following:

- (a) Building permits shall not be required for any of the following:
 - (i) One-story detached, accessory structures, if the floor area does not exceed 200 square feet, 18.58 meters squared.
 - (ii) A fence that is not more than 7 feet, 2,134 millimeters, high.
 - (iii) A retaining wall that is not more than 4 feet, 1,219 millimeters, in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
 - (iv) A water tank supported directly upon grade if the capacity is not more than 5,000 gallons 18,927 liters and the ratio of height to diameter or width is not greater than 2 to 1.
 - (v) A sidewalk and driveway not more than 30 inches, 762 millimeters, above adjacent grade and not over any basement or story below and not part of an accessible route.
 - (vi) Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.
 - (vii) A prefabricated swimming pool that is less than 24 inches, 610 millimeters deep, and not greater than 5,000 gallons, 18, 925 liters, and is installed entirely above ground.
 - (viii) Swings and other playground equipment accessory to detached 1- or 2-family dwellings.
 - (ix) Window awnings in group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches, 1,372 millimeters, from the exterior wall and do not require additional support, as applicable in section 101.2 and group U occupancies.
 - (x) Decks, porches, patios, landings, or similar structures not exceeding 200 square feet, 18.58 meters squared, in area, that are not more than 30 inches, 762 millimeters, above grade at any point

as prescribed by section R312.1.1, are not attached to a dwelling or its accessory structures, are not within 36 inches, 914 millimeters, of a dwelling or its accessory structures, and do not serve any ingress or egress door of the dwelling or its accessory structures.

(b) Mechanical permits shall not be required for any of the following:

(i) A portable heating or gas appliance that has inputs of less than 30,000 British thermal units, BTUs, per hour.

(ii) Portable ventilation appliances and equipment.

(iii) A portable cooling unit.

(iv) Steam, hot water, or chilled water piping within any heating or cooling equipment or appliances regulated by this code.

(v) Except for a heat exchanger, replacement of any manufacturer installed part on a listed and labeled appliance or listed and labeled equipment, if the replacement does not alter the approval of the appliance or equipment or make the appliance or equipment unsafe.

(vi) A portable evaporative cooler.

(vii) Self-contained refrigeration systems that contain 10 pounds, 4.5 kilograms, or less of refrigerant, or that are actuated by motors of 1 horsepower, 0.75 kilowatt, or less.

(viii) Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

(ix) An oil burner that does not require connection to a flue, such as an oil stove and a heater equipped with a wick.

(x) When changing or relocating a gas meter or regulator, a permit is not required when installing gas piping which shall be limited to 10 feet, 3,005 millimeters, in length and not more than 6 fittings.

(xi) When installing geothermal vertical closed loops under the supervision of a mechanical contractor licensed in HVAC as long as the company meets both the following:

(A) Has obtained a certificate of registration as a well drilling contractor pursuant to part 127 of the public health code, 1978 PA 368, MCL 333.12701 to 333.12771.

(B) Has installed the geothermal vertical closed loops in accordance with the department of environment, Great Lakes, and energy's best practices regarding geothermal heat pump closed loops.

(c) Plumbing permits shall not be required for either of the following:

(i) The stopping of leaks in drains, water, soil, waste, or vent pipe. If any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, then the work is considered as new work and a permit shall be obtained and inspection made as provided in the code.

(ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

R 408.30506 Rescinded.

R 408.30507 Rescinded.

R 408.30509 Rescinded.

R 408.30510 Rescinded.

R 408.30510a Rescinded.

R 408.30513 Definitions.

Rule 513. The definitions of attic and sunroom addition in section R202 of the code are amended to read as follows:

R202. Definitions.

(a) "Attic, uninhabitable with limited storage" means uninhabitable attics with limited storage where the minimum clear height between joists and rafters is 42 inches, 1,063-millimeters, or greater or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches, 1,063 millimeters, high by 24 inches, 610 millimeters, in width, or greater, within the plane of the trusses.

(b) "Attic, uninhabitable without storage" means uninhabitable attics without storage where the maximum clear height between joists and rafters is less than 42 inches, 1,063 millimeters, or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches, 1,063 millimeters, high by 24 inches, 610 millimeters, in width, or greater, within the plane of the trusses.

(c) "Building official" means the person who is appointed and employed by a governmental subdivision, who is charged with the administration and enforcement of the state codes and who is registered in compliance with 2016 PA 407, MCL 339.5101 to 339.6133.

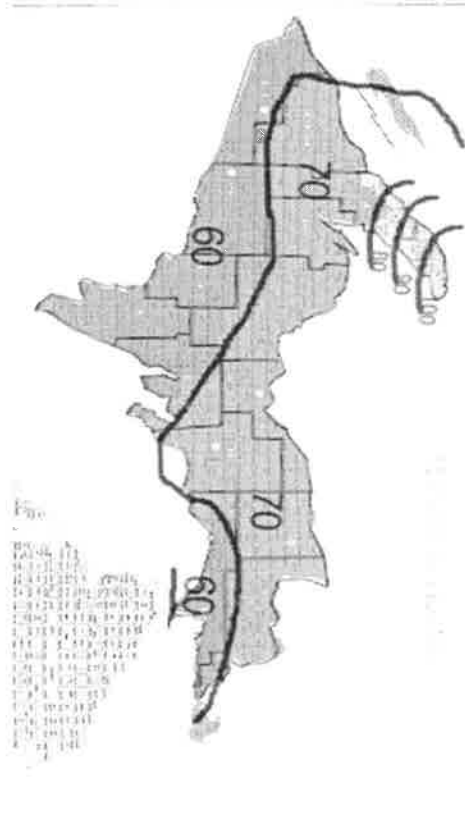
(d) "Registered design professional" means an individual who is licensed under the occupational code, 1980 PA 299, MCL 339.101 to 339.2677.

(e) "Sunroom addition" means a new structure with glazing in excess of 40% of the gross area of the structure's exterior walls and roof added to an existing dwelling.

R 408.30515 Ground snow loads.

Rule 515. Figure R301.2(5) and table R301.2(1) of the code are amended and table R301.2(5) is added to the code to read as follows:

FIGURE R301.2(5)
Ground Snow Load P_g for Michigan (lb/ft²)



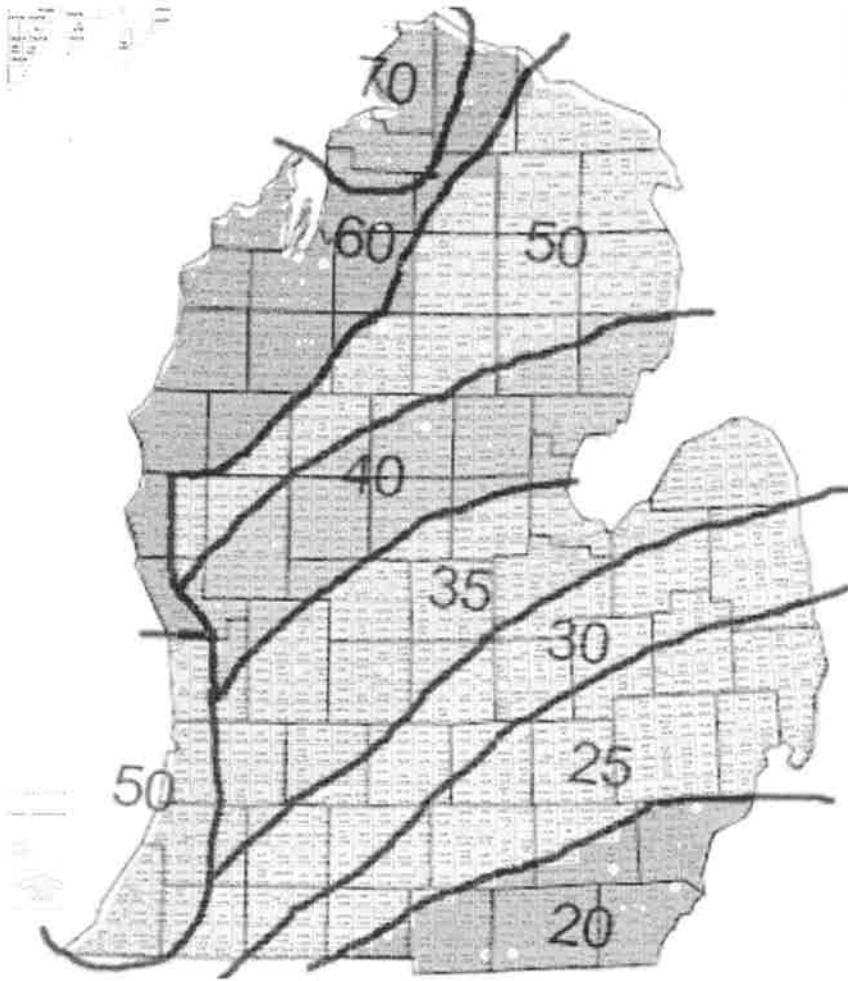


Table R301.2(5)P

Michigan Ground Snow Loads by Jurisdiction

County	Ground Snow	Jurisdictions
Alcona	50	All
Alger	70	All
Allegan	50	All except:
	35	city of Allegan city of Otsego city of Plainwell city of Wayland village of Hopkins village of Martin township of Allegan township of Dorr township of Gun Plain township of Hopkins township of Leighton township of Martin township of Monterey township of Otsego township of Salem township of Trowbridge township of Watson township of Wayland
Alpena	50	All
Antrim	60	All except:
	70	township of Banks township of Central Lake township of Echo township of Jordan township of Warner
Arenac	40	All
Baraga	70	All
Barry	35	All except:
	30	village of Nashville township of Assyria township of Barry township of Johnstown township of Maple Grove
Bay	35	All except:
	40	city of Pinconning township of Fraser township of Garfield township of Gibson township of Mt. Forest township of Pinconning
Benzie	60	All

Berrien	50	All
Branch	25	All except:
	20	township of Algansee township of California township of Gilead township of Kinderhook township of Ovid
Calhoun	25	All except:
	30	city of Battle Creek city of Marshall city of Springfield village of Athens township of Athens township of Battle Creek township of Bedford township of Convis township of Emmet township of Lee township of Leroy township of Marengo township of Marshall township of Newton township of Pennfield
Cass	30	All except:
	50	city of Dowagiac village of Cassopolis
		village of Edwardsburg township of Howard township of La Grange township of Milton township of Pokagon township of Silver Creek township of Wayne
Charlevoix	70	All
Cheboygan	70	All except:

	60	city of Cheboygan village of Afton village of Wolverine township of Aloha township of Benton township of Ellis township of Grant township of Koehler township of Nunda township of Walker township of Waverly township of Wilmot
	50	township of Forest
Chippewa	70	All except:
	60	village of DeTour township of DeTour township of Raber
Clare	40	All except:
	50	township of Summerfield township of Winterfield
Clinton	30	All except:
	35	city of St. Johns village of Fowler village of Maple Rapids village of Westphalia township of Bengal township of Dallas township of Essex township of Greenbush township of Lebanon township of Westphalia
Crawford	50	All
Delta	60	All except:
	70	township of Garden township of Masonville township of Nahma
Dickinson	60	All
Eaton	30	All except:
	35	village of Mulliken village of Sunfield township of Sunfield
Emmet	70	All
Genesee	30	All except:

	25	city of Davison city of Fenton city of Grand Blanc city of Linden village of Gaines village of Goodrich township of Argentine township of Atlas township of Davison township of Fenton township of Grand Blanc township of Mundy
Gladwin	40	All
Gogebic	60	All
Grand Traverse	60	All
Gratiot	35	All
Hillsdale	20	All except:
	25	city of Litchfield township of Litchfield township of Scipio
Houghton	80	All except:
	70	township of Adams township of Chassell township of Duncan township of Elm River township of Laird township of Portage
	90	village of Calumet village of Copper City village of Lake Linden village of Laurium township of Calumet township of Schoolcraft
Huron	35	All
Ingham	25	All except:
	30	city of East Lansing city of Lansing city of Mason township of Alaiedon township of Aurelius township of Delhi township of Lansing township of Meridian township of Williamston
Ionia	35	All
Iosco	40	All
Iron	60	All

Isabella	40	All except:
	35	village of Shepherd township of Chippewa township of Coe
		township of Fremont township of Lincoln township of Union
Jackson	25	All except:
	20	village of Brooklyn township of Columbia township of Norvell
Kalamazoo	30	All except:
	35	city of Parchment township of Alamo township of Cooper township of Oshtemo
Kalkaska	60	All
Kent	35	All except:
	40	city of Cedar Springs village of Casnovia village of Kent City village of Sand Lake village of Sparta township of Nelson township of Solon township of Sparta township of Tyrone
Keweenaw	90	All except:
	100	township of Eagle Harbor township of Grant township of Houghton
Lake	60	All except:
	50	township of Chase township of Cherry Valley township of Ellsworth township of Pinora township of Pleasant Plains township of Yates
Lapeer	25	All except:

	30	village of Clifford village of Columbiaville village of North Branch village of Otter Lake township of Burlington township of Burnside township of Deerfield township of Marathon township of North Branch township of Oregon township of Rich
Leelanau	60	All
Lenawee	20	All
Livingston	25	All
Luce	70	All
Mackinac	60	All except:
	70	township of Newton township of Portage
Macomb	25	All
Manistee	60	All
Marquette	70	All except:
	60	township of Ewing township of Wells township of Republic
Mason	60	All
Mecosta	40	All
Menominee	60	All
Midland	35	All except:
	40	city of Coleman village of Sanford township of Edenville township of Geneva township of Hope township of Mills township of Warren
Missaukee	50	All except:
	60	township of Bloomfield township of Caldwell township of Pioneer
Monroe	20	All
Montcalm	35	All except:

	40	village of Howard City village of Lakeview village of Pierson township of Cato township of Maple Valley township of Pierson township of Reynolds township of Winfield
Montmorency	50	All
Muskegon	40	All except:
	50	township of Holton township of Blue Lake
	60	city of Montague city of Muskegon city of Muskegon Heights city of North Muskegon city of Norton Shores city of Roosevelt Park city of Whitehall township of Dalton township of Fruitland township of Fruitport township of Laketon township of Montague township of Muskegon township of Sullivan township of Whitehall township of White River village of Fruitport village of Lakewood Club
Newaygo	40	All except:
	50	village of Hesperia township of Barton township of Beaver township of Denver township of Home township of Lilley township of Merrill township of Troy
Oakland	25	All
Oceana	60	All except:

	50	village of Hesperia village of Walkersville township of Colfax township of Crystal township of Elbridge township of Ferry township of Greenwood township of Leavitt township of Newfield township of Otto
Ogemaw	40	All except:
	50	city of Rose City township of Cummings township of Foster township of Goodar township of Hill township of Klacking township of Ogemaw township of Rose
Ontonagon	70	All except:
	60	township of Haight township of Interior township of McMillan
Osceola	50	All except:
	40	city of Ewart village of Hersey township of Ewart township of Hersey township of Orient township of Osceola township of Sylvan
Oscoda	50	All
Otsego	50	All except:
	60	village of Elmira village of Vanderbilt township of Corwith township of Elmira township of Hayes township of Livingston
Ottawa	50	All except:
	35	township of Georgetown township of Jamestown township of Tallmadge township of Zeeland

	40	city of Coopersville township of Allendale township of Blendon township of Chester township of Polkton township of Wright
Presque Isle	50	All except:
	60	township of Bearinger
Roscommon	50	All except:
	40	township of Nester
Saginaw	35	All except:
	30	city of Frankenmuth village of Birch Run village of Chesaning village of Oakley township of Albee township of Birch Run township of Brady township of Bridgeport township of Chapin township of Chesaning township of Frankenmuth township of Maple Grove township of St. Charles
		township of Taymouth
Sanilac	30	All except:
	25	village of Melvin township of Fremont township of Worth
	35	village of Minden City township of Austin township of Greenleaf township of Minden
Schoolcraft	70	All
Shiawassee	30	All except:
	25	village of Byron township of Burns
St. Clair	25	All
St. Joseph	30	All except:

	25	city of Sturgis village of Burr Oak village of Colon village of White Pigeon township of Burr Oak township of colon township of Fawn River township of Sherman township of Sturgis township of White Pigeon
Tuscola	30	All except:
	35	village of Caro village of Cass City village of Fairgrove village of Gagetown village of Reese village of Unionville township of Akron township of Almer township of Columbia township of Elkland township of Elmwood township of Fairgrove township of Gilford township of Wisner
Van Buren	50	All except:
	30	township of Porter
	35	city of Gobles village of Decatur village of Lawton village of Mattawan village of Paw Paw township of Almena township of Antwerp township of Bloomingdale township of Decatur township of Paw Paw township of Pine Grove township of Waverly
Washtenaw	25	All except:

	20	city of Ann Arbor city of Saline city of Ypsilanti village of Manchester township of Augusta township of Bridgewater township of Lodi township of Manchester township of Pittsfield township of Saline township of Superior township of York township of Ypsilanti
Wayne	20	All except:
	25	city of Northville
Wexford	60	All except:
	50	township of Clam Lake

R 408.30516 Design criteria.

Rule 516. Table R301.2(1) of the code is amended and figures R301.2(7) and R301.2(8) are added to the code to read as follows:

TABLE R 301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Ground Snow Load	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAY MENT REQUIRED ^h	FLOOD HAZARD ^g	AIR FREEZING INDEX ⁱ	MEANANNUAL TEMP ^j
	Speed ^d (mph)	Topographic Effects ^k	Special wind region ^l	Windborne debris zone ^m		Weatherin g ^a	Frost Line depth ^b	Termite ^c				
Table R301.2(4)	107	No	No	No	R301.2.2.1	Severe	42"	Figure R318.4	Yes	See Footnote ^g	Figure R403.3.(2)	See Footnote ^j
MANUAL J DESIGN CRITERIA												
Elevation				Altitude correction Factor ^e	Coincident wet bulb	Indoor winter design dry-bulb temperature		Indoor winter design dry bulb temperature		Outdoor winter design dry-bulb temperature		Heating temperature difference
Latitude				Daily range	Indoor Summer design relative Humidity	Indoor Summer design relative humidity		Indoor summer design dry-bulb temperature		Outdoor summer design dry-bulb temperature		Cooling temperature difference

-	-	-	-	-	-	-
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For SI: 1 pound per square foot = 0.0479 kilopascals, 1 mile per hour = 0.447 meter /second.

(a) Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the frost line depth strength required for weathering shall govern. The weathering column shall be filled in with the weathering index, "negligible," "moderate," or "severe" for concrete as determined from figure R301.2(1). The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216, or ASTM C652.

(b) Where the frost line depth requires deeper footings than indicated in figure R403.1(1), the frost line depth strength required for weathering shall govern. The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.

(c) The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.

(d) The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map, figure R301.2(2). Wind exposure category shall be determined on a site-specific basis in accordance with section R301.2.1.4.

(e) The jurisdiction shall fill in this section of the table to establish the design criteria using table 10A from ACCA Manual J or established criteria determined by the jurisdiction.

(f) The jurisdiction shall fill in this part of the table with the seismic design category determined from section R301.2.2.1.

(g) The jurisdiction shall fill in this part of the table with the date of the jurisdiction's entry into the National Flood Insurance Program, which is the date of adoption of the first code or ordinance for management of flood hazard areas, and the title and date of the currently effective Flood Insurance Study or other flood hazard study.

(h) In accordance with sections R905.1.2, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."

(i) The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index, BF-days, from figure R403.3(2) or from the 100-year, 99 percent, value on the National Climatic Data Center data table entitled, "Air Freezing Index-USA Method (Base 32°F)."

(j) The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table entitled, "Air Freezing Index-USA Method (Base 32 degrees Fahrenheit)."

(k) In accordance with section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(l) In accordance with figure R301.2(2), where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(m) In accordance with section R301.2.1.2, the jurisdiction shall indicate the wind-borne debris wind zone or zones. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(n) The jurisdiction shall fill in these sections of the table to establish the design criteria using table 1a or 1b from ACCA Manual .1 or established criteria determined by the jurisdiction.

(o) The jurisdiction shall fill in this section of the table using the Ground Snow Loads in figures R301.2(3) and R301.2(4).

R 408.30518 Means of egress.

Rule 518. Sections R311.6.4 and R311.2.1 are added to the code and R311.2 of the code is amended to read as follows:

R311.6.4 Modular ramps. Modular ramp systems approved pursuant to the act are not required to comply with the requirements of section R403.1.4 of the code.

R311.2. Door type and size. The required exit door shall be a side-hinged door not less than 3 feet, 914 millimeters, in width and 6 feet, 8 inches, 2,032 millimeters, in height. Other exterior hinged or sliding doors shall not be less than 24 inches (6,096 millimeters) in width and 6 feet, 6 inches, 1,981 millimeters, in height.

R311.2.1. Interior doors. Interior doors shall be not less than 24 inches, 6,096 millimeters, in width and 6 feet, 6 inches, 1,524 millimeters, in height.

Exception: Doors to areas less than 10 square feet of floor area.

R 408.30519 Treads and risers.

Rule 519. Sections R311.7.5.1 and R 311.7.5.2 of the code are amended to read as follows:

R311.7.5.1. Riser height. The maximum riser height shall be 8-1/4 inches, 210 millimeters. The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch, 9.5 millimeters.

R311.7.5.2. Tread depth. The minimum tread depth shall be 9 inches, 229 millimeters. The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch, 9.5 millimeters. Winder treads shall have a minimum tread depth of 10 inches, 254 millimeters, measured as above at a point 12 inches, 305 millimeters, from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches, 152 millimeters, at any point. Within any flight of stairs, the greatest winder tread depth at the 12-inch, 305 millimeters, walk line shall not exceed the smallest by more than 3/8 inch, 9.5 millimeters.

R 408.30521 Rescinded.

R 408.30521a Rooftop mounted photovoltaic panel systems.

Rule 521a. Sections R907.1, R907.2, and R907.3 of the code are added to read as follows:

R907.1. General. The installation of photovoltaic panel systems that are mounted on or above the roof covering shall comply with the provisions of this code, section R324, and NFPA 70.

R907.2. Structural requirements. Rooftop mounted photovoltaic panel systems shall be designed to structurally support the system and withstand gravity loads in accordance with chapter 3. The roof upon which these systems are installed shall be designed and constructed to support the loads imposed by such systems in accordance with chapter 8.

R907.3. Installation. Rooftop mounted photovoltaic systems shall be installed in accordance with the manufacturer's instructions. Roof penetrations shall be flashed and sealed in accordance with this chapter.

R 408.30522a Rescinded.

R 408.30522b Rescinded.

R 408.30523 Rescinded.

R408.30523a Rescinded.

R 408.30524 Michigan uniform energy code.

Rule 524. Buildings shall be designed and constructed in accordance with the Michigan uniform energy code part 10 rules, R 408.31059 to R 408.31071a.

R 408.30525a Rescinded.

R 408.30528 Rescinded.

R 408.30528a Rescinded.

R 408.30529 Lining required.

Rule 529. Section P2709.2 of the code is amended to read as follows:

P2709.2. Lining required. The adjoining walls and floor framing enclosing on-site built-up shower receptors shall be lined with 1 of the following:

1. Sheet lead.
2. Sheet copper.
3. Plastic liner material that complies with ASTM D 4068 or ASTM D 4551.
4. Sheet-applied load-bearing, bonded waterproof membranes that comply with ANSI A118.10.

The lining material shall extend not less than 3 inches, 76 millimeters, beyond or around the rough jambs and not less than 3 inches, 76 millimeters, above finished thresholds. Sheet-applied load bearing, bonded waterproof membranes shall be applied in accordance with the manufacturer's instructions.

R 408.30530 Requirements for discharge pipe.

Rule 530. Section P280 4.6.1 of the code is amended to read as follows:

P280 4.6.1. Requirements for discharge pipe. Relief valves shall not discharge so as to be a hazard, a potential cause of damage, or a nuisance.

A relief valve discharge pipe shall be provided for each individual relief valve and shall meet all of the following:

- (a) Shall terminate atmospherically not more than 4 inches, 102 millimeters, from the floor with an unthreaded end.
- (b) Shall not be interconnected.
- (c) Valves shall not be connected in the relief valve discharge pipe.
- (d) Shall be rigid pipe approved for water distribution, with a minimum temperature rating of 210 degrees Fahrenheit.
- (e) Shall have the same nominal inside diameter as the relief valve outlet and shall drain by gravity flow.
- (f) Shall discharge to the floor, or to the pan serving the water heater or storage tank, or to a waste receptor.

The outlet of a pressure, temperature, or other relief valve shall not be directly connected to the drainage system.

R 408.30532 Roof extension.

Rule 532. Section P3103.1 of the code is amended to read as follows:

P3103.1. Roof extension. All open vent pipes that extend through a roof shall terminate at least 1 foot, 305 millimeters, above the roof, except that if a roof is to be used for any purpose other than weather protection, then the vent extension shall be run not less than 7 feet, 2,134 millimeters, above the roof.

R 408.30533 Frost closure.

Rule 533. Section P3103.2 of the code is amended to read as follows:

P3103.2. Frost closure. To prevent frost closure, every vent extension through a roof shall be not less than 3 inches, 76 millimeters, in diameter. Any increase in the size of the vent shall be made inside the building with a minimum of 1 foot, 305 millimeters, below the roof or inside the wall.

R 408.30533a Rough plumbing.

Rule 533a. Section P2503.5.1 of the code is amended and P2503.8, P2503.8.1 and P2503.8.2 are added to read as follows:

P2503.5.1. Rough plumbing. DWV systems shall be tested on completion of the rough piping installation by water or air with no evidence of leakage. Either test shall be applied to the drainage system in its entirety or in sections after rough piping has been installed, as follows:

1. Water test. Each section shall be filled with water to a point not less than 10 feet, 3,048 millimeter, above the highest fitting connection in that section, or to the highest point in the completed system. Water shall be held in the section under test for a period of 15 minutes. The system shall prove leak free by visual inspection.

2. Air test. The portion under test shall be maintained at a gauge pressure of 5 pounds per square inch (psi), 34 kilopascals, or 10 inches, 254 millimeters, of mercury column, 34 kilopascals. This pressure shall be held without introduction of additional air for a period of 15 minutes.

P2503.8 Inspection and testing of backflow prevention devices. Inspection and testing of backflow prevention devices shall comply with sections P2503.8.1 and P2503.8.2.

P2503.8.1 Inspections. Inspections shall be made of backflow prevention assemblies to determine whether they are operable.

P2503.8.2 Testing. Reduced pressure principle, double check, double check detector, and pressure vacuum breaker backflow preventer assemblies shall be tested at the time of installation and immediately after repairs or relocation.

R 408.30533b Sewer depth.

Rule 533b. Section P2603.5.1 of the code is amended to read as follows:

P2603.5.1. Sewer depth. A building sewer that connects to a private disposal system shall be a minimum of 8 inches, 203 millimeters, to the top of the pipe below finished grade at the point of septic tank connection. Building sewers shall be installed a minimum of 42 inches, 1,067 millimeters, below grade.

Exception: When permitted by the code official.

R 408.30533c Pipe fittings.

Rule 533c. Section P2906.6 is added to the code to read as follows:

Pipe Fittings

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic	ASTM D2468
Cast-iron	ASME B16.4
Chlorinated polyvinyl chloride (CPVC) plastic	ASSE 1061; ASTM D2846; ASTM F437; ASTM F438; ASTM F439; CSA B137.6
Copper or copper alloy	ASSE 1061; ASME B16.15; ASME B16.18; ASME B16.22; ASME B16.26; ASME B16.51
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F1986
Fittings for cross-linked polyethylene (PEX) plastic tubing	ASSE 1061; ASTM F877; ASTM F1807; ASTM F1960; ASTM F2080; ASTM F2098; ASTM F2159; ASTM F2434; ASTM F2735; CSA B137.5
Gray iron and ductile iron	AWWA C110/A21.10; AWWA C153/A21.53
Galvanized steel pipe	ASTM A53
Malleable iron	ASME B16.3
Insert fittings for Polyethylene/aluminum/polyethylene (PE-AL-PE) and cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX)	ASTM F1974; ASTM F1281; ASTM F1282; CSA B137.9; CSA B137.10
Polyethylene (PE) plastic	ASTM D2609; CSA B137.1
Fittings for polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F1807; ASTM F2098; ASTM F2159; ASTM F2735; ASTM F2769
Polypropylene (PP) plastic pipe or tubing	ASTM F2389; CSA B137.11

Polyvinyl chloride (PVC) plastic	ASTM D2464; ASTM D2466; ASTM D2467; CSA B137.2; CSA B137.3
Stainless steel (Type 304/304L) pipe	ASTM A312; ASTM A778
Stainless steel (Type 316/316L) pipe	ASTM A312; ASTM A778
Steel	ASME B16.9; ASME B16.11; ASME B16.28

R 408.30534 Venting.

Rule 534. Section P3105.1 is amended and section 3105.4 and figure P3105.4 are added to the code and figure N3 in appendix AN of the code is amended to read as follows:

P3105.1. Distance of trap from vent. Each fixture trap shall have a protecting vent located so that the slope and the developed length in the fixture drain from the trap weir to the vent fitting are within the requirements in table P3105.1 of the code.

P3105.4. Vertical leg for waste fixture drains. A vertical leg, see figure P3105.4, is permitted within a fixture drain of a waste fixture in accordance with the following criteria:

- (1) Minimum trap diameter shall be in accordance with table P3201.7 of the code.
- (2) The diameter of section A shall be equal to the diameter of the trap.
- (3) The length of section A shall not be less than 8 inches, 2,032 millimeters, and in accordance with table P3105.1 of the code.
- (4) The diameter of section B shall be 1 pipe size larger than the diameter of section A.
- (5) The length of section B shall not be more than 36 inches, 9,144 millimeters.
- (6) The diameter of section C shall be 1 pipe size larger than the diameter of section B.
- (7) The total length of section A and section C shall not exceed the distance allowed in table P3105.1 of the code.
- (8) Bends shall be the diameter of the largest connected section.

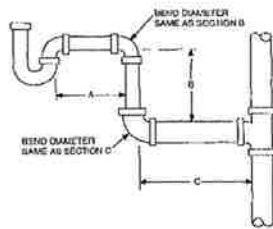
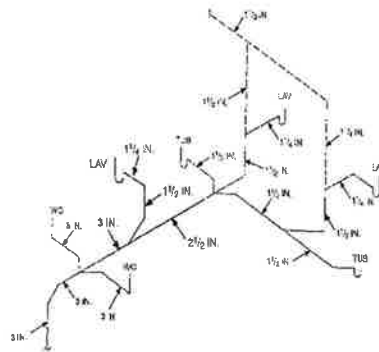


FIGURE P3105.4
VERTICAL LEG FIXTURE DRAIN SCHEMATIC

Figure N3. Typical horizontal wet venting.



2 in. 31. 1 inch = 25.4 mm.

Note: The lower levelatory connected to the horizontal part of the wet vent illustrates a portion of Section P3105.4 Vertical leg for waste fixture drains.

FIGURE N3
TYPICAL HORIZONTAL WET VENTING

R 408.30535 Connection.

Rule 535. Section P3111.2.2 of the code is amended to read as follows:

P3111.2.2. Connection. The combination waste and vent systems shall be provided with a dry vent connected to a point within the system or the system shall connect to a horizontal drain that is vented in accordance with one of the methods specified in this chapter. Combination waste and vent systems connecting to building drains receiving only the discharge from a stack or stacks shall be provided with a dry vent. The vent connecting the combination waste and vent pipe shall extend vertically not less than 6 inches, 152 millimeters, above the flood level rim of the highest fixture being vented before offsetting horizontally.

R 408.30536 Electrical; general; electrical conductors; connections and electrical grounding.

Rule 536. Section E3401.1 of the code is amended to read as follows:

E3401.1. Scope. This chapter governs the electrical components, equipment and systems used in buildings and structures covered by this code. Electrical components, equipment and systems shall be designed and constructed in accordance with the provisions of the Michigan electrical code, R 408.30801 to R 408.30873.

R 408.30536a Rescinded.

R 408.30537 Rescinded.

R 408.30537a Rescinded.

R 408.30537b Rescinded.

R 408.30537c Rescinded.

R 408.30537d Rescinded.

R 408.30538 Rescinded.

R 408.30539a Automatic fire sprinkler systems.

Rule 539a. Sections R313.1, R313.2, P2902.5.4 and P2904.1 of the code are amended to read as follows:

R313.1. Townhouse automatic fire sprinkler systems. An automatic sprinkler system may be installed in townhouses.

Exception: an automatic sprinkler system may not be required where additions or alternations are made to existing townhouses that do not have an automatic sprinkler system installed.

R313.2. One-and two-family dwellings automatic sprinkler system. An automatic sprinkler system may be installed in one-and two-family dwellings.

Exception: An automatic sprinkler system may not be required for additions or alterations to existing buildings that are not already provided with a sprinkler system.

P2902.5.4. Connections to automatic fire sprinkler systems. The potable water supply to automatic fire sprinkler systems shall be protected against backflow by a double check-valve assembly or a reduced pressure principle backflow preventer.

Exception: Isolation of the water distribution system is not required for deluge, preaction, or dry pipe system.

P2904.1. General. Where installed, residential fire sprinkler systems, or portions thereof, shall be in accordance with NFPA 13D.

R 408.30540 Rescinded

R 408.30541a Duct installation.

Rule 541a. Section M1502.4.2 of the code is amended to read as follows:

M1502.4.2. Duct installation. Dryer exhaust ducts shall be supported at 4 foot, 1,219 mm millimeters, intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws or similar fasteners that protrude into the inside of the duct.

R 408.30542 Rescinded.

R 408.30544 Light, ventilation, and heating.

Rule 544. Section R303.5.2 of the code is amended to read as follows:

R303.5.2. Exhaust openings. Outside exhaust openings shall be located as not to create a nuisance. Exhaust openings shall not be directed onto walkways. Exhaust openings shall not terminate within 3 feet, 914.4 millimeters, of a ventilated section in a soffit.

R 408.30544a Rescinded.

R 408.30544b Exterior walls.

Rule 544b. Section R302.5.1 of the code is amended and table R302.1(1) is added to read as follows:

R302.5.1. Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1-3/8 inches, 35 millimeters, in thickness, solid or honeycomb-core steel doors not less than 1-3/8 inches, 35 millimeters, thick, or 20-minute fire-rated doors.

TABLE R302.1(1)
EXTERIOR WALLS

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour-tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 5 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Projections	Not allowed ^a	NA	< 2 feet
	Fire-resistance rated	1 hour on the underside	≥ 2 feet to < 5 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Opening in walls	Not allowed	N/A	< 3 feet
	25% maximum of wall area	0 hours	3 feet
	Unlimited	0 hours	5 feet
Penetrations	All	Comply with section R302.4	< 5 feet
		None required	5 feet

For SI: 1 foot = 304.8 millimeters.

N/A = Not applicable

- a. except as allowed as per section R302.1 exceptions 3 and 4

R 408.30545 Rescinded.

R 408.30545a Rescinded.

R 408.30547b Rescinded.

R 408.30547c Rescinded.

R 408.30547d Building thermal envelope.

Rule 547d. Section N1102.4.6 of this code is amended to read as follows:

N1102.4.6 Electrical and communication outlet boxes (air-sealed boxes). Electrical and communication outlet boxes installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces.

R 408.30547e Rescinded.

R 408.30547f Rescinded.

R 408.30547g Rescinded.

FILED WITH SECRETARY OF STATE

ON 5-1-25 AT 1:39 pm