

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE CONSTRUCTION CODE

Filed with the Secretary of State on December 21, 2016

These rules take effect 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 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 408.30401, R 408.30403, R 408.30415a, R 408.30418, R 408.30419, R 408.30421, R 408.30427, R 408.30428, R 408.30429, R 408.30430, R 408.30441, R 408.30445, R 408.30446, R 408.30447, R 408.30451c, R 408.30452, R 408.30459, and R 408.30497 of the Michigan Administrative Code are amended and R 408.30413, R 408.30416, R 408.30420, R 408.30429a, R 408.30432, R 408.30437, R 408.30448, and R 408.30475 are rescinded as follows:

PART 4. BUILDING CODE

R 408.30401 Applicable code.

Rule 401. The provisions of the international building code, 2015 edition, including appendices F, G, and H, except for sections 104.8, 109.2 to 109.6, 114.3, 415.9.1.2 to 415.9.1.9, 415.7.4, 903.2.8.3.1, 903.2.8.3.2, 903.2.8.4, 2902 to 2902.6, Table 2902.1, 3005.5, the definition of "agricultural building" in section 202, the definition of "recreational vehicle" in Appendix G, and, IECC-2015, IEBC-2015, IMC-2015, IPC-2015, IPSDC-2015, NFPA 70-2014, listed in chapter 35, govern the construction, alteration, relocation, demolition, use, and occupancy of buildings and structures, and, with exceptions noted, the international building 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 ~~Uniform~~ Energy Code, Michigan Electrical Code, Michigan Rehabilitation Code for Existing Buildings, Michigan Mechanical Code, and Michigan Plumbing Code respectively. The code is available for inspection at the Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, 611 W. Ottawa St., 1st Floor Ottawa Building Lansing, MI 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 amendatory rules of \$128.00.

R 408.30403 Residential group R-3.

Rule 403. Sections 310.5 310.5.1, 903.3.8.1, and 903.3.8.5 are amended and 903.2.8.3 is added to the code to read as follows:

310.5. Residential group R-3. Residential occupancies where the occupants are primarily permanent in nature and not classified as group R-1, R-2, R-4, or I, including any of the following:

May 2, 2016

(a) Adult foster care family homes or adult foster care small group homes licensed per the adult foster care facility licensing act, 1979 PA 218, MCL 400.701 to 400.737, that provide accommodations for 6 or fewer persons receiving care.

(b) Buildings that do not contain more than 2 dwelling units.

(c) Boarding houses (nontransient) with 16 or fewer occupants.

(d) Boarding houses (transient) with 10 or fewer occupants.

(e) Congregate living facilities (nontransient) with 16 or fewer occupants.

(f) Congregate living facilities (transient) with 10 or fewer occupants.

(g) Foster family homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for not more than 4 minor children.

(h) Foster care family group homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for more than 4 but fewer than 7 minor children.

310.5.1. Care facilities within a dwelling. Care facilities that are located within a single-family dwelling may comply with the Michigan residential code if 1 of the following conditions is met:

(a) Adult foster care family homes or adult foster care small group homes for 6 or fewer persons receiving care that are within a single-family dwelling and licensed in accordance with the adult foster care facility licensing act, 1979 PA 218, MCL 400.701 to 400.737.

(b) Family child care homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for fewer than 7 minor children.

(c) Group child care homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for more than 6 but not more than 12 minor children.

(d) Foster family homes licensed per the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for not more than 4 minor children.

(e) Foster care family group homes licensed per the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for more than 4 but fewer than 7 minor children.

903.2.8.3. Child care organizations. An automatic sprinkler system installed in accordance with section 903.3.1.3 shall be permitted in child care organizations that are within a single-family dwelling and licensed in accordance with the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, as follows:

(a) Foster family homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for more than 4 but fewer than 7 minor children.

(b) Foster care family group homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for more than 4 but fewer than 7 minor children.

(c) Family child care homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for fewer than 7 minor children.

(d) Group child care homes licensed under the child care organizations act, 1973 PA 116, MCL 722.111 to 722.127a, that provide care for more than 6 but not more than 12 minor children.

903.3.8.1. Number of sprinklers. Limited area sprinkler systems shall not exceed 20 sprinklers.

903.3.8.5. Calculations. Hydraulic calculations in accordance with NFPA 13 shall be provided to demonstrate that the available water flow and pressure are adequate to supply all sprinklers installed with discharge densities corresponding to the hazard classification.

R 408.30415a Definitions.

Rule 415a. The definitions of act, agricultural or agricultural purposes, and source point are added and the definitions of building, building inspector, building official, high-rise building, registered design professional, and structure in section 202 of the code are amended to read as follows:

202. Definitions.

“Act” means 1972 PA 230, MCL 125.1501 to 125.1531 and known as the Stille-DeRossett-Hale single state construction code act.

“Agricultural or agricultural purposes” means of, or pertaining to, or connected with, or engaged in agriculture or tillage which is characterized by the act or business of cultivating or using land and soil for the production of crops for the use of animals or humans, and includes, but is not limited to, purposes related to agriculture, farming, dairying, pasturage, horticulture, floriculture, viticulture, and animal and poultry husbandry.

“Attic, uninhabitable with limited storage” means uninhabitable attics with limited storage are those where the minimum clear height between joists and rafters is 42 inches or greater, 42 inches high by 24 inches in width, or greater, within the plane of the trusses, or where there are not two or more adjacent trusses with web configurations capable of accommodating an assumed rectangle.

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

"Building" means a combination of materials, whether portable or fixed, forming a structure affording a facility or shelter for use or occupancy by persons, animals, or property. The term does not include a building incidental to the use for agricultural purposes of the land on which the building is located if it is not used in the business of retail trade. The term shall be construed as though followed by the words "or part or parts of the building and all equipment in the building" unless the context clearly requires a different meaning.

"Building official" as found in 1972 PA 230, MCL 125.1501 to 125.1531 and known as the Stille-DeRossett- Hale single state construction code act, means an individual who is employed by a governmental subdivision and is charged with the administration and enforcement of the code and who is registered in compliance with the building officials and inspectors registration act, 1986 PA 54, MCL 338.2301 to 338.2313. A building official may also be an employee of a private organization.

“High-rise building” means a building with an occupied floor located more than 55 feet (1 6764 mm) above the lowest level of fire department vehicle access.

"Registered design professional" means an individual who is licensed under, 1980 PA 299, MCL 339.101 to 339.2919.

"Structure" means that which is built or constructed, an edifice or building of any kind, or a piece of work artificially built up or composed of parts joined together in some definite manner. Structure does not include a structure incident to the use for agricultural purposes of the land on which the structure is located and does not include works of heavy civil construction, including without limitation, any of the following:

- (a) A highway.
- (b) A bridge.
- (c) A dam.

- (d) A reservoir.
- (e) A lock.
- (f) A mine.
- (g) A harbor.
- (h) A dockside port facility.
- (i) An airport landing facility.
- (j) A facility for the generation, or transmission, or distribution of electricity.

Structure shall be construed as though followed by the words "or part or parts of the structure and all equipment in the structure," unless the context clearly indicates otherwise.

"Source point" is defined in section 4d of 1972 PA 230, MCL 125.1504d.

R 408.30416 Rescinded.

R 408.30418 Maximum floor area allowances per occupant.

Rule 418. Table 1004.1.2 of the code is amended to read as follows:

Table 1004.1.2
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Exhibit Gallery and Museum	30 net
Assembly with fixed seats	See section 1004.4
Assembly without fixed seats	
Concentrated (chairs only-not fixed) Standing space	7 net
Unconcentrated (tables and chairs)	5 net
	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross
Courtrooms-other than fixed seating areas	40 net
Day care	35 net
Dormitories	50 gross

Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net
Locker rooms	15 gross
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Library	
Reading rooms	50 net
Stack area	100 gross
Mall buildings-covered and open	See Section 402.8.2
Locker rooms	50 gross
Mercantile	60 gross
Storage, stock, shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Accessory storage areas, mechanical equipment room	300 gross
Warehouses	500 gross

For SI: 1 square foot = 0.0929 m²

R 408.30419 Toilet room requirements.

Rule 419. Sections 1210.1, is amended and 1210.5, 1210.4, and 1210.6 are added to the code to read as follows:

1210.1. Required fixtures. The number and type of plumbing fixtures provided in any occupancy shall comply with the Michigan plumbing code.

1210.4. Toilet room location. Toilet rooms shall not open directly into a room used for the preparation of food for service to the public.

1210.5. Baby changing stations. A building or structure that has baby changing stations in the women's restrooms shall have baby changing stations in the men's restrooms.

1210.6. Directional signage. Directional signage indicating the route to the public facilities shall be posted in accordance with section 3107 of the international building code. Signage shall be located in a corridor or aisle at the entrance to the facilities for customers and visitors.

R 408.30420 Rescinded.

R 408.30421 Emergency escape and rescue.

Rule 421. Sections 1025.1 and 1030.1 of the code are amended and 1016.2.2 is added to read as follows:

1016.2.2. Group E. Egress from classrooms in group E occupancies shall be limited to pass through 1 intervening space before reaching an exit access door leading directly to a corridor or an exit.

1025.1. General. Approved luminous egress path markings delineating the exit path shall be provided in buildings with an occupied floor located more than 75 feet (16 764 mm) above the lowest level of fire department vehicle access of groups A, B, E, I, M, and R-I occupancies in accordance with sections 1024.1 to 1024.5.

1030.1. General. In addition to the means of egress required by this chapter, provisions shall be made for emergency escape and rescue in group R occupancies as applicable in section 101.2. Basements and sleeping rooms below the fourth story above grade plane shall have at least 1 exterior emergency escape and rescue opening in accordance with this section. Where basements contain 1 or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. The opening shall open directly into a public street, public alley, yard, or court.

Exceptions:

1. In other than group R-3 occupancies as applicable in section 101.2, buildings equipped throughout with an approved automatic sprinkler system in accordance with section 903.3.1.1 or 903.3.1.2.
2. In other than group R-3 occupancies as applicable in section 101.2, sleeping rooms provided with a door to a fire-resistance-rated corridor having access to 2 remote exits in opposite directions.
3. The emergency escape and rescue opening may open onto a balcony within an atrium in accordance with the requirements of section 404, provided the balcony provides access to an exit and the dwelling unit or sleeping unit has a means of egress that is not open to the atrium.
4. Basements with a ceiling height of less than 80 inches (2 032 mm) shall not be required to have emergency escape and rescue openings.
5. High-rise buildings in accordance with section 403.
6. Emergency escape and rescue openings are not required from basements, or sleeping rooms which have an exit door or exit access door that opens directly into a public street, public alley, yard, egress court, or to an exterior exit balcony that opens to a public street, public alley, yard, or egress court.
7. Basements without habitable spaces and having not more than 200 square feet (18.6 square meters) in floor area shall not be required to have emergency escape and rescue openings.

R 408.30427 Barrier free design for buildings, structures, and improved areas.

Rule 427. Sections 1101.2 and 1109.8 of the code are amended and section 1103.2.15 is added to the code to read as follows:

1101.2. Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with 1966 PA 1, MCL 125.1351 to 125.1356, this code, and ICC/ANSI A 117.1, except sections 611 and 707.

1103.2.15. Military, fire service, and police facilities. Housing, bathing, toilet, training, and storage areas intended for use and occupancy exclusively by military, fire service, police, or security personnel required to be physically agile are not required to be accessible.

1109.8. Lifts. Platform (wheelchair) lifts may be a part of a required accessible route in new construction where indicated in items 1 to 10. Platform (wheelchair) lifts shall be installed in accordance with the Michigan elevator code, R 408.7001 to R 408.8695.

1. An accessible route to a performing area and speakers' platforms.
2. An accessible route to wheelchair spaces required to comply with the wheelchair space dispersion requirements of sections 1108.2.2 to 1108.2.6.
3. An accessible route to spaces that are not open to the general public with an occupant load of not more than 5.
4. An accessible route within a dwelling or sleeping unit.
5. An accessible route to jury boxes and witness stands; raised courtroom stations including judges' benches, clerks' stations, bailiffs' stations, deputy clerks' stations and court reporters' stations; and to depressed areas such as the well of the court.
6. An accessible route to load and unload areas serving amusement rides.
7. An accessible route to play components or self-contained play structures.
8. An accessible route to team or player seating areas serving areas of sport activity.
9. An accessible route instead of gangways serving recreational boating facilities and fishing piers and platforms.
10. An accessible route where existing exterior site constraints make use of a ramp or elevator infeasible.

R 408.30428 Structural integrity.

Rule 428. Section 1615.1 of the code is amended to read as follows:

1615.1 . General. Buildings with an occupied floor 75 feet (22 860 mm) or more in height above the lowest level of fire department vehicle access and assigned to risk category III or IV shall comply with the requirements of this section. Frame structures shall comply with the requirements of section 1615.3. Bearing wall structures shall comply with the requirements of section 1615.4.

R 408.30429 High-rise buildings.

Rule 429. Sections 403.1 and 403.5.4, of the code are amended to read as follows:

403.1. Applicability. The provisions of this section shall apply to buildings having the occupied floors located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access.

Exception: The provisions of this section shall not apply to the following buildings and structures:

1. Airport traffic control towers in accordance with section 412 of the code.
2. Open parking garages in accordance with section 406.5 of the code.
3. Buildings with an occupancy in group A-5 in accordance with section 303.6 of the code.
4. Special industrial occupancies in accordance with section 503.1.1 of the code.
5. Buildings with any of the following:

5.1. A group H-1 occupancy.

5.2. A group H-2 occupancy in accordance with section 415.8, 415.9.2, 415.9.3, or 426.1.

5.3. A group H-3 occupancy in accordance with section 415.8.

6. Existing buildings having occupied floor levels not more than 75 feet (22 860 mm) above the lowest level of fire department vehicle access where the local unit of government complies with both of the following:

6.1. The local unit of government has a municipal fire department with an ISO rating of 3 or lower, employing a full-time career firefighting staff.

6.2. The governing body of the local unit of government has passed a resolution affirming the use of this exception and filed that resolution with the department of licensing and regulatory affairs, bureau of construction codes.

403.5.4. Smokeproof exit enclosures. Every required stairway serving floors more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access shall comply with sections 909.20 and 1023.10 of the code.

R 408.30429a Rescinded.

R 408.30430 Liquefied petroleum gas distribution facilities.

Rule 430. Sections 415.9.1 and 415.9.2 of the code are amended to read as follows:

415.9.1. Flammable and combustible liquids. The storage, handling, processing, and transporting of flammable and combustible liquids shall be in accordance with the Michigan mechanical code, R 408.30901 to R 408.30998, and the international fire code listed in chapter 35, and the requirements of the Michigan rules for the storage and handling of flammable and combustible liquids, R 29.4101 to R 29.5516.

415.9.2. Liquefied petroleum gas distribution facilities. The design and construction of propane, butane, propylene, butylene, and other liquefied petroleum gas distribution facilities shall conform to the applicable provisions of the Michigan liquefied petroleum gas code, R 29.3801 to R 29.4035. The storage and handling of liquefied petroleum gas systems shall conform to the international fire code listed in chapter 35. The design and installation of piping, equipment, and systems that utilize liquefied petroleum gas shall be in accordance with the international fuel gas code listed in chapter 35. Liquefied petroleum gas distribution facilities shall be ventilated in accordance with the Michigan mechanical code, R 408.30901 to R 408.30998, and the requirements of the Michigan rules for the storage and handling of flammable and combustible liquids, R 29.4101 to R 29.5516.

R 408.30432 Rescinded.

R 408.30437 Rescinded.

R 408.30441 Consumer fireworks facilities.

Rule 441. Sections 307.5.1, 415.1.1, 427.1, 509.4.2.2, 907.2.5.1, 910.2.3, and 1031.1 of the code are added to read as follows:

307.5.1. High-hazard group H-3. Consumer fireworks 1.4G (class C common) Consumer fireworks 1.4G facilities shall meet the requirements of this code and those requirements of this code and those requirements referenced in section 427.1.

415.1.1. Consumer fireworks facilities 1.4 G (class C common) consumer fireworks 1.4 G facilities shall be designed and constructed in accordance with NFPA 1124 as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.471.

427.1. Consumer fireworks (1.4G) facilities. The items in buildings used for the retail sale of consumer fireworks shall be designed and constructed in accordance with NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.471 as follows:

- (a) Means of egress.
- (b) Storage rooms.
- (c) Fire alarms.
- (d) Smoke control.
- (e) Automatic sprinkler systems.

509.4.2.2. Consumer fireworks (1.4G) facilities storage rooms. Storage rooms in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.471.

907.2.5.1. Consumer fireworks (1.4G) facilities fire alarms. Fire alarm systems in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks storage shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.471.

910.2.3. Consumer fireworks (1.4G) facilities smoke and heat vents. Smoke and heat vents in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks storage shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.471.

1031.1. Consumer fireworks (1.4G) facilities means of egress. The means of egress in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks means of egress shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.471.

R 408.30445 Automatic sprinkler systems.

Rule 445. Section 903.2.11.3 of the code is amended to read as follows:

903.2.11.3. Buildings more than 30 feet (9144 mm) in height. An automatic sprinkler system shall be installed throughout a building that has a floor level which has an occupant load of 30 or more occupants and which is located 30 feet (9144 mm) or more above the lowest level of fire department vehicle access.

Exceptions:

1. Open parking structures.
2. Occupancies in group F-2.
3. Existing buildings having occupied floor levels not more than 55 feet (16764 mm) in height above the lowest level of fire department vehicle access, where the local unit of government complies with the following parameters:

3.1. The local unit of government having a municipal fire department with an ISO rating of 3 or lower, employing a full-time career fire fighting staff.

3.2. The governing body of the local unit of government has passed a resolution affirming the use of this exception and filed that resolution with the department of licensing and regulatory affairs, bureau of construction codes .

R 408.30446 Smoke alarm locations.

Rule 446. Sections 907.2.11.8 and 907.2.11.8.1 are added to the code as follows:

907.2.11.8. Smoke alarm locations in existing buildings constructed before November 6, 1974. Within each dwelling unit or sleeping unit, a single-station smoke alarm shall be installed in all of the following locations:

- (1) In each sleeping room or each area directly outside the sleeping room.
- (2) On each floor level including the basement level.

For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.

907.2.11.8.1. Equipment requirements. The required equipment for smoke alarms shall consist of the following:

(1) Installation. Smoke alarm devices shall be listed and installed in accordance with the manufacturer's installation requirements, the provisions of the code, and the provisions of NFPA 72 as listed in chapter 35.

(2) Power Source. The equipment shall be operable by power from 1 of the following primary sources:

(a) The building wiring provided the wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

(b) A non-rechargeable battery able to power the smoke alarm in the normal condition for a life of 5 years.

(c) A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years.

(d) A commercial use alarm system with battery backup listed and approved in accordance with the commercial fire warning equipment provisions of NFPA 72, as adopted by reference in this rule.

(3) Audible Alarm Notification. The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.

(4) Testing and Maintenance. The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.

Exception: Smoke alarms and devices installed in buildings constructed before November 6, 1974 where an installation was approved by the appropriate enforcing agency under regulations in effect at the time of the installation shall be considered to comply with the provisions of the code.

R 408.30447 Smokeproof enclosures.

Rule 447. Section 1023.11 of the code is amended to read as follows:

1023.11. Smokeproof enclosures. In buildings required to comply with section 403 or 405 of the code, each of the exits of a building that serves stories where the floor surface is located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access or more than 30 feet (9 144 mm) below the level of exit discharge serving such floor levels shall be a smokeproof enclosure or pressurized stairway in accordance with section 909.20 of the code.

R 408.30448 Rescinded.

R 408.30451c. Flood loads.

Rule 451c. Section 1612.3.1 of the code is amended and 1612.4.1 is added to the code to read as follows:

1612.3.1. Alternate flood hazard provisions. Absent the adoption of a flood hazard map and supporting data, flood hazard areas as determined by the state under its administration of the Part 31, floodplain regulatory authority of the natural resources and environmental protection act, 1994 PA 451, MCL 324.101 to 324.90106, shall become the basis for regulation of floodplain development within the community and section 1612 shall apply to buildings and structures within those areas.

1612.4.1. Minimum requirements for buildings and structures. All of the following are in addition to the requirements of ASCE 24:

(1) Buildings and structures in flood hazard areas subject to high velocity wave action (zone V) shall be in compliance with the requirements of ASCE 24 for such flood hazard areas.

(2) The lowest floors of structure category II buildings and structures shall be at or above the elevation specified in ASCE 24 or 1 foot (305 mm) above the design flood elevation, whichever is higher.

(3) The lowest floors of structure category III and IV buildings and structures in flood hazard areas not subject to high velocity wave action (zone A) shall be at or above the elevation specified in ASCE 24 or 1 foot (305 mm) above the 500-year flood elevation, whichever is higher. For the purpose of this requirement, the 500-year flood elevation is the elevation of flooding having a 0.2% chance of being equaled or exceeded in any given year.

(4) Dry floodproofing for structure category II buildings and structures shall extend to or above the elevation specified in ASCE 24 or 1 foot (305 mm) above the design flood elevation, whichever is higher.

(5) Dry floodproofing for structure category III and IV buildings and structures shall extend to or above the elevation specified in ASCE 24 or 1 foot (305 mm) above the 500- year flood elevation, whichever is higher. For the purpose of this requirement, the 500-year flood elevation is the elevation of flooding having a 0.2% chance of being equaled or exceeded in any given year.

(6) The interior floor or finished ground level of under-floor spaces and crawlspaces shall comply with section 1805.1.2.1 of this code.

R 408.30452 Rescinded.

R 408.30458 Elevators and conveying systems.

Rule 458. Sections 3001.1, 3001.2, 3001.4, 3002.5, 3002.6, 3003.1, and 3003.2, of the code are amended and sections 3001.2.1, 3001.2.2, 3003.1.5 and 3004.5 are added to the code to read as follows:

3001.1. Scope. The design, construction, installation, alteration, and repair of elevators and conveying systems and their equipment shall conform with the requirements of the Michigan elevator laws and rules, MCL 408.801 to 408.824, MCL 338.2151 to 338.2160, and R 408.7001 to R 408.8695 and this chapter. Installation or construction in flood hazard areas established in section 1612.3 shall comply with ASCE 24 listed in chapter 35.

3001.2. Other devices. Other devices shall conform to the requirements of sections 3001.2.1 and 3001.2.2 of the code.

3001.2.1. Conveyors. Conveyors and related equipment shall conform to the requirements of ASME B20.1 listed in chapter 35.

3001.2.2. Automotive lifts. Automotive lifts shall conform to the requirements of ALI ALCTV listed in chapter 35.

3001.4. Change in use. A change in use of an elevator from freight to passenger, passenger to freight, or from 1 freight class to another freight class shall comply with the requirements of the Michigan elevator code, R 408.7001 to R 408.8695.

3002.5. Emergency doors. Where an elevator is installed in a single blind hoistway or on the outside of a building, there shall be installed in the blind portion of the hoistway or blank face of the building, an emergency door in accordance with the requirements of the Michigan elevator code, R 408.7001 to R 408.8695.

3002.6. Prohibited doors. Doors, other than hoistway doors and the elevator car door, shall be prohibited at the point of access to an elevator car.

3003.1. Standby power. In buildings and structures where standby power is required or furnished to operate an elevator, the operation shall be in accordance with sections 3003.1.1 to 3003.1.5 of the code.

3003.1.5. Lighting. Where standby power is connected to elevators, the machine room, car top, pit, and landing lighting shall be connected to the standby power source.

3003.2 Fire-fighters' emergency operation. Elevators shall be provided with phase I emergency recall operation and phase II emergency in-car operation in accordance with the requirements of the Michigan elevator code, R 408.7001 to R 408.8695.

3004.5. Construction at bottom of hoistway. Pits extending to the ground shall have noncombustible floors and be designed as to prevent entry of ground water into the pit. The pit floor of any hoistway not extending to the ground shall be of fire-resistive construction having a fire-resistance rating at least equal to that required for the hoistway enclosure.

R 408.30459 Elevators.

Rule 459. Sections 1009.4 and 1607.9.1 of the code are amended to read as follows:

1009.4. Elevators. To be considered part of an accessible means of egress, an elevator shall be in compliance with the emergency operation and signaling device requirements of the Michigan elevator code, R 408.7001 to R 408.8695.

1607.9.1. Elevators. Elevator loads shall be increased by 100% for impact and the structural supports shall be designed within the limits of deflection prescribed by the Michigan elevator code, R 408.7001 to R 408.8695.

R 408.30475 Rescinded.

R 408.30476 Criteria.

Rule 476. Section 1301.1.1 of the code is amended to read as follows:

1301.1.1. General. Buildings shall be designed and constructed in accordance with the Michigan energy code, part 10a , R 408.31087 to R 408.31099.

R 408.30497 Signs.

Appendix H101.1.1 is added to the code to read as follows:

H101.1.1. Local ordinances. A governmental subdivision that has sign regulations governing the placement, location, size, height, or setback from public right of ways shall govern such items.