

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

STATE FIRE SAFETY BOARD

DORMITORY FIRE SAFETY FOR SCHOOLS, COLLEGES, AND UNIVERSITIES

(By authority conferred on the state fire safety board by section 3c of Act No. 207 of the Public Acts of 1941, as amended, and Executive Reorganization Order No. 1997-2, being §§29.3c and 29.451 of the Michigan Compiled Laws)

PART 1. GENERAL PROVISIONS

R 29.2001 Applicability.

Rule 1. These rules apply to fire safety requirements for the construction, operation, or maintenance of all new and existing school, college, and university dormitories that are owned, leased, or managed by, or under the direct control of, the school authority.

History: 1998-2000 AACCS.

R 29.2002 Life safety code; adoption by reference.

Rule 2. The provisions of chapters 1 to 7, 16, 17, 18, 19, 32, and 33 of the national fire protection association pamphlet no. 101, 1997 edition, entitled "Life Safety Code," referred to in these rules as "code," are adopted by reference as part of these rules. Copies of the adopted provisions are available for inspection and distribution through the State Fire Safety Board, located at the Michigan Department of Consumer and Industry Services, Office of Fire Safety, 7150 Harris Drive, Lansing, Michigan 48913, or from the National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, Massachusetts 02269-9101, telephone number 1-800-344-3555. The cost of the adopted provisions as of the time of adoption of these rules is \$44.50.

History: 1998-2000 AACCS.

R 29.2003 "Authority having jurisdiction" defined.

Rule 3. As used in the code, the "authority having jurisdiction" means the director of the department of consumer and industry services, an employee of the department of consumer and industry services appointed by the director to implement the act, or an employee of a city, village, or township delegated authority to enforce the code under section 2b of the act, for the purpose of these rules.

History: 1998-2000 AACCS.

R 29.2004 Definitions.

Rule 4. (1) As used in these rules:

(a) "Act" means Act No. 207 of the Public Acts of 1941, as amended, being §29.1 et seq. of the Michigan Compiled Laws.

(b) "Code" means national fire protection association pamphlet no. 101, 1997 edition, entitled "Life Safety Code."

(c) "Cosmetic remodeling" means surface changes solely to the wall, floor, and ceiling that do not decrease the fire rating of the wall, floor, or ceiling, including the replacement of windows and doors.

(d) "Existing" means a building constructed and occupied as a dormitory before the effective date of these rules.

(e) "Level of exit discharge" means a floor or floors of a building that exit directly to the outside at grade. A floor that is not more than 4 feet above or below grade at exit discharge is also a level of exit discharge.

(f) "Maintenance" means repair required to keep a building and its component parts in an operative condition at all times. "Maintenance" includes the replacement of a building's components when, for any reason, the components become undependable or inoperable. "Maintenance" does not include remodeling.

(g) "Remodeling" means an alteration or a change of fire-rated assembly, or the installation of new equipment required by these rules.

(h) "School authority" means the authority as required by section 1561 of Act No. 451 of the Public Acts of 1976, as amended, being §380.1561 of the Michigan Compiled Laws, and the colleges and universities established under sections 4, 5, 6, and 7 of Article VIII of the State Constitution of 1963 and part 25 of Act No. 451 of the Public Acts of 1976, as amended, being §§380.1601 to 380.1607 of the Michigan Compiled Laws.

(2) Terms defined in the act have the same meanings when used in these rules.

History: 1998-2000 AACCS.

R 29.2005 Plans and specifications.

Rule 5. (1) The school authority or designated representative shall submit plans and specifications to the office of fire safety for all projects that involve construction, remodeling, or an addition.

(2) The school authority or designated representative need not submit plans and specifications to the office of fire safety for maintenance functions or cosmetic remodeling; however, the school authority or designated representative shall perform all work in compliance with these rules.

(3) Plans and specifications for work that involves the practice of architecture or engineering, as defined in Act No. 299 of the Public Acts of 1980, as amended, being §339.101 et seq. of the Michigan Compiled Laws, and known as the occupational code, shall bear the seal of an architect or professional engineer who is registered under Act No. 299 of the Public Acts of 1980, as amended.

(4) Plans and specifications shall contain all of the following information, as applicable:

(a) A complete floor plan and layout of the building drawn accurately to scale.

(b) The use of each room.

(c) The dimensions of each room.

(d) The size, location, direction of swing, and fire rating of each door and frame assembly.

(e) The size and location of windows.

(f) The wall construction, including fire-resistance rating.

(g) The type of construction as identified by the provisions of national fire protection association pamphlet no. 220, 1995 edition, entitled "Standard Types of Building Construction."

(h) The number of stories, including basement and attic areas.

(i) The interior finish classification.

(j) The location of fuel-fired equipment.

(k) The type of furnace and water heater.

(l) Air-handling system specifications.

(m) Fire detection and alarm systems.

(n) Sprinkler or other suppression system plans and specifications that are in compliance with the provisions of the act.

(o) The type, size, and location of fire extinguishers.

(p) Other pertinent information that is required to determine compliance with these rules.

(5) A firm certified in compliance with section 26 of Act No. 207 of the Public Acts of 1941, as amended, being §29.26 of the Michigan Compiled Laws shall submit fire alarm/detection system and fire suppression system plans to the office of fire safety in compliance with the act. The certified firm shall submit the complete shop drawings, and receive approval from, the office of fire safety before installation of either a fire alarm or fire suppression system.

(6) Plan approval that is given before the effective date of these rules terminates 6 months after the effective date of these rules if construction has not started. However, upon written request to the office of fire safety, the office may grant an approval for an extension in a specific instance.

(7) An architect or engineer who seals plans and who ceases to be the architect or engineer of record before completion of a project shall notify the office of fire safety in writing. Construction shall not continue until a new architect or engineer of record has been identified to the office of fire safety, in writing, by the new architect or engineer of record.

History: 1998-2000 AACCS.

R 29.2006 Inspection during construction; approval for occupancy.

Rule 6. (1) During construction, addition, or remodeling, the architect, professional engineer, or owner's representative shall notify the office of fire safety, in writing, when the building is ready for inspection as follows:

(a) When the building is framed and mechanical systems are substantially complete, but before concealment.

(b) Upon completion of construction.

(2) A newly constructed facility or a facility that is being remodeled or added to shall not be occupied, in whole or in part, without approval of the office of fire safety.

History: 1998-2000 AACCS.

R 29.2007 Projects affecting outside configuration of building; site plan and specifications; office of fire safety or local fire department specifications; fire safety measures during construction.

Rule 7. (1) For projects that involve construction, addition, or remodeling which affects the outside configuration of a building, and as part of the building plans and specifications otherwise required by these rules, the school authority or the designated representative shall provide the office of fire safety and the local fire department with a site plan and specifications that detail all of the following:

(a) The available water supply.

(b) Hydrant locations.

(c) Vehicle access routes.

(d) Fire lanes.

(2) The office of fire safety or local fire department may specify any of the following:

(a) The size of the water mains that supply the hydrants.

(b) The location of hydrants.

(c) The locations and dimensions of fire department vehicle access routes.

(d) The posting of fire lanes.

(3) As soon as possible during construction, the school authority or designated representative shall ensure appropriate fire safety measures are taken, including the provision of fire extinguishers and fire suppression systems and the establishment of access routes to the building that can be traveled by fire department vehicles.

History: 1998-2000 AACCS.

R 29.2008 Electrical equipment; inspections; certificate.

Rule 8. (1) A person shall install electrical wiring and equipment, including an emergency supply if installed, in compliance with the applicable provisions of R 408.30801 et seq. of the Michigan Administrative Code. Copies of the rules are available from the Michigan Department of Consumer and Industry Services, Bureau of Construction Codes, 2501 Woodlake Circle, Second Floor, Okemos, Michigan 48864, P.O. Box 30254, Lansing, Michigan 48909.

(2) The electrical inspection authority having jurisdiction shall make the electrical inspection. The electrical inspection authority shall issue a certificate of compliance covering the installation and the school authority or designated representative shall provide a copy of the certificate to the office of fire safety.

History: 1998-2000 AACCS.

R 29.2009 Universal amendments.

Rule 9. Sections 1-3.11.1, 1-7.1, 6-4.3, 7-1.1, 7-4.2, 7-4.3, 7-6.3.2, and 7-6.4 of the code are amended and sections 7-1.2, 7-4.4, 7-4.5, 7-4.7, 7-4.8, and 7-6.5.3 of the code are deleted to read as follows:

1-3.11.1. A person may occupy a building or portion of a building during construction, repair, alterations, or additions only if all required means of egress and all required fire protection features are in place and continuously maintained for the part occupied and if the occupied portion is separated from the part under construction by a fire barrier that has a 1-hour-fire-resistance rating. The temporary 1-hour-rated fire barrier that is used for this purpose may be constructed of combustible material. Instead of having all required means of egress and fire protection features in place, the school authority or designated representative may take other measures that would provide equivalent safety if approved by the office of fire safety.

1-7.1. The school authority or designated representative shall conduct fire exit drills in compliance with the act. The school authority or designated representative shall design drills in cooperation with the local fire authorities.

6-4.3. The school authority or designated representative shall ensure that flammable and combustible liquids are stored and handled in compliance with rules promulgated under the act.

7-1.1. The school authority or designated representative shall ensure that equipment that utilizes gas and related gas piping is installed in compliance with national fire protection association pamphlet no. 54, 1996 edition, entitled "National Fuel Gas Code" adopted by reference in these rules or rules promulgated under the act, as applicable.

Exception: The school authority or designated representative may continue existing installations in service, subject to approval by the authority having jurisdiction.

7-1.2. Deleted.

7-4.2. The school authority or designated representative shall install new elevators, escalators, dumb waiters, and moving walks in compliance with R 408.8101 et seq. of the Michigan Administrative Code.

7-4.3. The school authority or designated representative shall ensure that existing elevators, escalators, dumbwaiters, and moving walks are in compliance with R 408.8101 et seq. of the Michigan Administrative Code.

7-4.4. Deleted.

7-4.5. Deleted.

7-4.7. Deleted.

7-4.8. Deleted.

7-6.3.2. The school authority or designated representative shall ensure that notification is provided by audible and visible signals that are in compliance with sections 7-6.3.3 through 7-6.3.10 of the code.

Exception no. 1: Where permitted by sections 8 through 32 of the code, a presignal system is permitted when the initial fire alarm signal is automatically transmitted without delay to a municipal fire department or a fire brigade and to an on-site staff person who is trained to respond to a fire emergency.

Exception no. 2: Where permitted by sections 8 through 32 of the code, a positive alarm sequence is permitted if it is in compliance with the provisions of the national fire protection association pamphlet no. 72, 1996 edition, entitled "National Fire Alarm Code," which is adopted by reference in these rules.

7-6.4. (1) Where required by another section of the code, the school authority or designated representative shall provide emergency forces notification to alert the municipal fire department and fire brigade, if provided, of fire or other emergency.

(2) Where fire department notification is required by another section of the code, the school authority or designated representative shall arrange the fire alarm system to transmit the alarm automatically by any of the following means acceptable to the authority having jurisdiction and in compliance with national fire protection association pamphlet no. 72, 1996 edition, entitled "National Fire Alarm Code," which is adopted by reference in these rules:

- (a) An auxiliary alarm system.
- (b) A central station connection.
- (c) A proprietary system.
- (d) A remote station connection.

(3) A facility is in compliance with required emergency forces notification if it has written policy and procedure that is approved by the authority having jurisdiction. The policy and procedure shall provide for all of the following:

(a) The designation of a staff member on each shift to be responsible for notifying a local fire department.

(b) The availability at all times of a nonpay telephone for employees who are designated under subdivision (a) of this subrule to notify a local fire department.

(c) Conspicuously posting the telephone number of the local fire department near the telephone.

(d) A requirement that notification of the fire department is incorporated into all fire drills.

7-6.5.3. Deleted.

History: 1998-2000 AACCS.

R 29.2010 Fire reporting.

Rule 10. After the occurrence of a fire that results in the loss of life, personal injury, or the loss of property, the administrative authority of the facility shall immediately notify the local fire department of all details of the fire.

History: 1998-2000 AACCS.

PART 2. NEW SCHOOL, COLLEGE, AND UNIVERSITY DORMITORY FACILITIES

R 29.2021 Life safety code; adoption by reference for new school, college, and university dormitories owned, leased, or managed by, or under direct supervision of, school authority.

Rule 21. (1) The provisions of chapters 1 to 7, 16, 32, and 33 of the code that apply to new school dormitories, except as amended in subrule (2) of this rule, are adopted by reference in these rules. Copies of the adopted provisions are available for inspection and distribution through the State Fire Safety Board located at the Michigan Department of Consumer and Industry Services, Office of Fire Safety, 7150 Harris Drive, Lansing, Michigan 48913, or the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269, telephone 1-800-344-3555. The cost of the adopted provisions as of the time of adoption of these rules is \$44.50.

(2) Sections 16-1.1 and 16-1.6 of the code are amended, and section 16-1.6.1 is added to the code, to read as follows:

16-1.1. The requirements of this section apply to all of the following:

(a) New buildings or portions of new buildings used as hotel or dormitory occupancies.

(b) Additions made to, or used as, a hotel or dormitory occupancy.

(c) Alterations, modernizations, or renovations of existing hotel or dormitory occupancies.

(d) Existing buildings or portions of existing buildings upon change of occupancy to a hotel or dormitory occupancy.

Exception: A dormitory that is divided into suites of rooms which have 1 or more bedrooms opening into a living room or study that has a door which opens into a common corridor that serves a number of suites is classified as an apartment building and shall be in compliance with section 18 of the code.

16-1.6. The minimum construction requirements shall be as indicated for the following types of construction:

Type of Construction Allowable Height I (443)..... No limit.

I (332)..... No limit.

II (222)..... 10 stories.

II (111)..... 5 stories.

II (000)..... 4 stories.

III (211)..... 5 stories.

III (200)..... 4 stories.

IV (2HH)..... 5 stories.

V (111)..... 4 stories.

V (000)..... 3 stories.

16-1.6.1. For the purpose of section 16-1.6 of the code, the number of stories shall be counted starting with the primary level of exit discharge and ending with the highest occupiable level. For the purpose of this section, the primary level of exit discharge of a building shall be the floor that is level with or above finished grade of the exterior wall line for 50% or more of its perimeter. Building levels below the primary level shall not be counted as a story in determining the height of a building.

R 29.2022 Life safety code; adoption by reference of provisions for new apartment buildings as referenced by chapter 16 of the code for dormitories designed as described in the exception to section 16 -1.1.

Rule 22. (1) The provisions of chapters 1 to 7, 18, 32, and 33 of the code that apply to new apartment buildings, except for the amendments set forth in subrule (2) of this rule, are adopted by reference in these rules for dormitories designed as described in the exception to section 16-1.1. Copies of the adopted provisions are available for inspection and distribution through the State Fire Safety Board, located at the Michigan Department of Consumer and Industry Services, Office of Fire Safety, 7150 Harris Drive, Lansing, Michigan 48913, or the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02296, telephone 1-800-344-3555. The cost of the adopted provisions as of the time of adoption of these rules is \$44.50.

(2) Section 18-1.6 of the code is amended, and section 18-1.6.1 is added to the code, to read as follows:
18-1.6. The minimum construction requirements shall be as indicated for the following types of construction:

Type of Construction	Allowable Height I (443).....	No limit.
I (332).....		No limit.
II (222).....		10 stories.
II (111).....		5 stories.
II (000).....		4 stories.
III (211).....		5 stories.
III (200).....		4 stories.
IV (2HH).....		5 stories.
V (111).....		4 stories.
V (000).....		3 stories.

18-1.6.1. For the purpose of section 18-1.6 of the code, the number of stories shall be counted starting with the primary level of exit discharge and ending with the highest occupiable level. For the purpose of this section, the primary level of exit discharge of a building shall be the floor that is level with or above finished grade of the exterior wall line for 50% or more of its perimeter. Building levels below the primary level shall not be counted as a story in determining the height of a building.

History: 1998-2000 AACCS.

PART 3. EXISTING SCHOOL, COLLEGE, AND UNIVERSITY DORMITORY FACILITIES

R 29.2031 Life safety code; adoption by reference for existing school, college, and university dormitories owned, leased, or managed by, or under direct supervision of, school authority.

Rule 31. (1) The provisions of chapters 1 to 7, 17, and 33 of the code that apply to existing school dormitories, except for the amendments set forth in subrule (2) of this rule, are adopted by reference in these rules. Copies of the adopted provisions are available for inspection and distribution through the State Fire Safety Board, located at the Michigan Department of Consumer and Industry Services, Office of Fire Safety, 7150 Harris Drive, Lansing, Michigan 48913, or from the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269, telephone 1-800-344-3555. The cost of the adopted provisions as of the time of adoption of these rules is \$44.50.

(2) Sections 17-1.1 and 17-3.6.3 of the code are amended and section 17-3.5.2 of the code is deleted, to read as follows:

17-1.1. The requirements of this chapter apply to existing buildings or portions of buildings currently occupied as hotel or dormitory occupancies.

Exception: A dormitory that is divided into suites of rooms which have 1 or more bedrooms that open into a living room or study that has a door which opens into a common corridor that serves a number of suites is classified as an apartment building and shall be in compliance with section 19 of the code.

17-3.5.2. Deleted.

17-3.6.3. The school authority or designated representative shall ensure that doors which open onto exit access corridors are self-closing and self-latching. The school authority or designated representative shall comply with this requirement within 2 years of the effective date of these rules.

History: 1998-2000 AACCS.

R 29.2032 Life safety code; adoption by reference of provisions for existing apartment buildings as referenced by chapter 17 of the code for dormitories designed as described in the exception to section 17-1.1.

Rule 32. (1) The provisions of chapters 1 to 7, 19, and 33 of the code that apply to existing apartment buildings, except for the amendments set forth in subrule (2) of this rule, are adopted by reference in these rules for dormitories designed as described in the exception to section 17-1.1. Copies of the adopted provisions are available for inspection and distribution through the State Fire Safety Board, Office of Fire Safety, 7150 Harris Drive, Lansing, Michigan 48913, or from the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02296, telephone 1-800-344-3555. The cost of the adopted provisions as of the time of adoption of these rules is \$44.50.

(2) Section 19-3.6.3 of the code is amended, and section 19-3.5.6 of the code is deleted, to read as follows:

19-3.6.3. The school authority or designated representative shall ensure that doors which open onto exit access corridors are self-closing and self-latching. The school authority or designated representative shall comply with this requirement within 2 years of the effective date of these rules.

19-3.5.6. Deleted.

History: 1998-2000 AACCS.