

Cross Reference  
Guide to the  
newly revised  
Massachusetts  
Comprehensive  
Fire Safety Code,  
527 CMR 1.00,  
(eff. 1-1-15)

9.18.2014

**Cross Walk**

## ***“CROSSWALKS”***

**The purpose of this document is to provide a cross reference between sections of 527 CMR 1-50 (previous code) and the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, which is effective as of January 1, 2015.**

This document is provided for the convenience of the reader only and should not be relied upon for research purposes. While reasonable efforts have been made to assure the accuracy of the data provided, you should not rely on this information without first checking an official Edition of the Code of Massachusetts Regulations (CMR's) that may be obtained from the Massachusetts Secretary of State's Office.

**To use this program click on the Edit/Find box in the tool bar.**

**Next in the drop-down window type in the CMR Section number [Example: 527 CMR 1.04] then click on Find Next or press Enter on your keyboard.**

***IMPORTANT:* This document only reference the CMR sections carried over in 527 CMR 1.00.**

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# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 1.01**

1.01 Title.

**Regulation: 527 CMR 1.01(2)**

1.02 Purpose.

**Regulation: 527 CMR 2.01, 4.01, 5.01, 6.02, 8.01, 9.01, 10.19(1), 10.21(1)(a), 11.01, 13.01, 14.01, 17.01, 10.02, 20.01, 22.01, 23.01, 24.02, 26.02, 27.01, 28.01, 30.02, 31.01, 32.01, 33.01, 34.01, 35.01, 37.01, 38.02, 39.02**

1.03 Scope.

**Regulation: 527 CMR 3.01, 7.01, 11.02, 16.01, 27.02, 38.01**

1.04 Adoption by Reference.

**Regulation: 527 CMR 1.02, 527 CMR 1.03(5)**

Chapter 1 Administration.

1.1 General Considerations.

**Regulation: 527 CMR 1.02(3), 527 CMR 1.02(4), 527 CMR 1.03(6)**

1.1.2 Construction Requirements for Buildings and Structures.

**Regulation: 527 CMR 1.03(6), 527 CMR 1.03(6) (a)**

1.1.3 Requirements of Specialized Codes

**Regulation: 527 CMR 1.02(5)**

1.1.4 Continued Maintenance of Any Equipment, System, Construction Requirement, Specification or Method Relating to Fire Protection.

**Regulation: 527 CMR 49.00**

1.3.2\* Referenced Standards.

**Regulation: 527 CMR 1.02(2)  
(not specifically covered in regulation)**

1.3.3 Conflicts.

**Regulation: 527 CMR 1.03(3)  
( Various CMR's- not specifically call out in regulation)**

1.3.5 Vehicles and Marine Vessels.

**Regulation: 527 CMR Various CMR's- not specifically call out in regulation**

1.3.6 Buildings and Structures.

**Regulation: 527 CMR not specifically covered in regulation.**

1.3.7 Severability.

**Regulation: 527 CMR 1.01(3)**

1.4 Equivalencies, Alternatives, and Modifications.

**Regulation: 527 CMR 1.01(3) and various sections of CMR's**

1.4.7 Tests.

**Regulation: 527 CMR 4.02**

1.5 Units.

**Regulation: 527 CMR not specifically covered in regulation.**

1.5.2 Primary and Equivalent Values.

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**Regulation: 527 CMR 1.03, 527 CMR 1.03(2)**

1.6 Enforcement.

**Regulation: 527 CMR 1.03, 106(1) and in various CMR's definitions.**

1.7 Authority.

1.7.1 Administration.

**Regulation: 527 CMR 1.03(8)**

1.7.3 Interpretations.

**Regulation: 527 CMR 1.06(1)**

1.7.5 Delegation of Authority.

**Regulation: 527 CMR 1.03(3), 527 CMR 1.04(1), 527 CMR 1.06(1) (a)**

1.7.6 Inspections.

**Regulation: 527 CMR 1.03(2)**

1.7.6.1.1 Coordinated Inspections.

**Regulation: 527 CMR 1.06(5), 527 CMR 1.06(6)**

1.7.6.1.2 Notification to Other Officials

**Regulation: 527 CMR 1.03(8), 527 CMR 1.06, 527 CMR 1.06(1)**

1.7.6.2 The AHJ shall have authority to order, in writing, any person(s) to remove or remedy any dangerous or hazardous condition or material ...

**Regulation: 527 CMR1.03(3)**

1.7.6.3 The AHJ engaged in fire prevention and inspection work shall be authorized at all reasonable times to enter and examine any building, ...

**Regulation: 527 CMR 1.03  
(not specifically covered in regulation)**

1.7.6.4 Before entering, the AHJ shall obtain the consent of the occupant ...

**Regulation: 527 CMR 1.03(8), 527 CMR 1.06(1)**

1.7.7 Where conditions exist and are deemed to be an imminent danger by the AHJ, ....

**Regulation: 527 CMR 1.03(3)  
not specifically covered in regulation.**

1.7.8 Interference with Enforcement.

**Regulation: 527 CMR not specifically covered in regulation.**

1.7.9 Impersonation.

**Regulation: 527 CMR 1.04(4)**

1.7.11 Plans and Specifications.

**Regulation: 527 CMR 1.03(3)**

1.7.12 Inspection of Construction and Installation

**Regulation: 527 CMR 10.13**

1.7.13 Certificate of Occupancy.

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**Regulation: 527 CMR not specifically covered in regulation.**

1.7.14 Stop Work Order.

**Regulation: 527 CMR 1.03(8)**

1.7.15 Imminent Dangers and Evacuation.

**Regulation: 527 CMR not specifically covered in regulation.**

1.7.17 Public Fire Education.

**Regulation: 527 CMR 1.05**

1.10 Fire Prevention Regulations Appeals Board.

**Regulation: 527 CMR 1.03(5), 10.13, 13.12(3), 33.05**

1.11 Records and Reports.

**Regulation: 527 CMR 1.03(5), 13.12(3), 33.05  
(Stated in various CMR's not specific for Emergency Response Records)**

1.11.3 Emergency Response Records.

**Regulation: 527 CMR 1.03(5)**

1.11.4 All records shall be retained in accordance with the manner and duration required by the Massachusetts Public Records Law.

**Regulation: 527 CMR 1.04**

1.12 Permits and Approvals.

**Regulation: 527 CMR 1.04(3)**

1.12.3 Conditions of Approval.

**Regulation: 527 CMR 1.03(6)(b), 1.03(6)(c)**

1.12.4 Approvals by Other Authorities.

**Regulation: 527 CMR 1.04(5)**

1.12.5 Misrepresentation.

**Regulation: 527 CMR 1.04(3), 1.04(5), 2.04**

1.12.6 Permits.

1.12.6.1 A permit shall be conditioned upon the continued compliance with the requirements of this *Code* and shall ...

**Regulation: 527 CMR 1.04(5), 527 CMR 1.04(6)**

1.12.7 Revocation or Suspension of Permits and Approvals.

1.12.7.1 The AHJ shall be permitted to revoke or suspend a permit or approval ...

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**Regulation: 527 CMR 1.03(6), 1.04(8), 2.04, 2.05, 2.07, 4.03(1), 6.08, 8.04, 13.04, 16.03, 22.03, 26.08, 31.2, 34.03, 35.03, 38.04, 39.04.**

- 1.12.8 General Requirements and Permit Tables. (cont.)
- 1.12.8.1 Fire in the Open Air.
- 1.12.8.2 Oil Burners and Fuel-Oil.
- 1.12.8.3 Smoke, Fire and Carbon Monoxide Protection System.
- 1.12.8.4 Safeguarding, Construction, Alteration, and Demolition Operations.
- 1.12.8.5 Combustible Waste and Refuse.
- 1.12.8.6 Occupancy Fire Safety.
- 1.12.8.9 Cleanrooms.
- 1.12.8.10 Dry Cleaning.
- 1.12.8.16 Motor Fuel Dispensing Facilities and Repair Garages.
- 1.12.8.17 Forest Products.
- 1.12.8.18 Motion Picture and Television Production Studio Soundstages and Approved Production Facilities.
- 1.12.8.22 Dust Explosion and Fire Prevention.
- 1.12.8.23 Welding, Cutting and Other Hot Work.
- 1.12.8.24 Refueling, Gaseous Fuel Containers and Systems.
- 1.12.8.25 Refueling, Tanks, or Transfer Tanks.
- 1.12.8.26 Refueling, Marine Fueling.
- 1.12.8 General Requirements and Permit Tables. (cont.)
- 1.12.8.27 Spraying, Dipping, or Coating, Using Flammable or Combustible Materials.
- 1.12.8.29 Combustible Fibers.
- 1.12.8.30 Commercial Cooking Equipment.
- 1.12.8.31 Industrial Ovens and Furnaces.
- 1.12.8.34 Hazardous Material.
- 1.12.8.35 Aerosol Products.
- 1.12.8.37 Compressed Gases and Cryogenic Fluids.
- 1.12.8.39 Explosives, Fireworks and Model Rocketry.
- 1.12.8.40 Flammable and Combustible Liquids.
- 1.12.8.41 Flammable Solids.
- 1.12.8.43 Liquid Petroleum Gases and Liquefied Natural Gas.

**Regulation: 527 CMR, 4.03(1)(e), 6.08(2)(b), 8.21.(8), 13.04(1), 13.04(2), 13.04(12) exception, 14.03 Table1, 26.08 (2)**

- 1.12.8.50.1 Quantities, Permits and/or License Requirements.

**Regulation: 527 CMR 4.03(f), 6.08(1)(d), 26.08(1)(e), 39.06(7)**

- 1.12.8.51 Certificates of Completion. A certificate of completion shall be filed and as provided in *Table 1.13.8.51*.

**Regulation: 527 CMR 1.03(6), 2.01(2), 2.03, 2.04, 4.03(1), 11.04, 13.04, 22.04, 23.06, 23.04, 23.05, 23.06,**

- 1.13 Certificates.

1.13.1 General. No person shall conduct a business or engage in the work or activity ...

**Regulation: 527 CMR 1.03(6)(c)**

- 1.13.5.1.2 Notice Issued by the State Fire Marshal.

1.13.5.1.2.1 Any notice issued by the State Fire Marshal under this *Code*, shall be deemed delivered and received by said holder, ...

**Regulation: 527 CMR 1.03(6)(b)**

1.13.6.3.3.1 Approved service tags installed by the holder of a technician certificate shall include all of the following information on the front of the tag:

**Regulation: 527 CMR 1.03(6)(b)**

- 1.13.6.3.4 Renewal of Certificate of Registration.

1.13.6.3.4.1 An applicant on the behalf of a firm requesting renewal shall comply with the following;

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**Regulation: 527 CMR 1.06(1)(e), 10.03(8), 11.01**  
1.13.7 Commercial Cooking-Cleaning, Inspection and Cleaning of Exhaust Systems.

**Regulation: 527 CMR 1.04(8), 22.03, 22.08**  
1.13.8 Cannon and Mortar.

**Regulation: 527 CMR 1.04(8), 2.05, 2.03,**  
1.13.9 Fireworks Display, Special Effects or Proximate Audience Displays.

**Regulation: 527 CMR 2.01(2), 2.04,**  
1.13.9.1.2 Fireworks Display.

**Regulation: 527 CMR 13**  
1.13.10. Use and Handling of Explosives for Blasting.

**Regulation: 527 CMR 2.04(4)(b), 11.08(9), 23.06**  
1.13.11 Renewal of Certificates. The following certificates shall be renewed as provided in *Table 1.13.11* and in applicable Sections of 1.13.

**Regulation: 527 CMR 1.04(4), 4.04(5), 4.08(5), 15.08(8), 24.04(2), 26.04(1),**  
1.14.1 Plan Review.  
1.14.1.4 Explosives Manufacturing  
1.14.1.5 Marine Fueling Facility

**Regulation: 527 CMR not specifically covered in regulation**  
1.15 Technical Assistance.

**Regulation: 527 CMR 1.03(1), 1.03(4), 1.03(6), 1.04(5), 1.06(1), 1.06(5), 1.06(7), 1.07(1)**  
1.16 Notice of Violations and Penalties.

**Regulation: 527 CMR 1.06(7), 527 CMR 1.07(1)**  
1.16.4 Penalties.

**Regulation: 527 CMR 1.01(2)**  
10.1.1 Every new and existing Building Code..

**Regulation: 527 CMR 1.01(2) 527CMR 10.17(d)**  
10.5.2.1 Overcrowding.

**Regulation: 527 CMR 1.06(1)**  
10.1.6 The AHJ shall have the authority to prohibit any or all open flames or other sources of ignition where circumstances make such conditions hazardous.

**Regulation: 527 CMR 1.06(2)**  
10.2.1 The owner, operator, or occupant shall be responsible for compliance with this *Code*.

**Regulation: 527 CMR 1.02(3)**  
10.2.2 The owner, operator, or occupant of a building shall notify the AHJ prior to a change of occupancy as specified in 4.5.7 and 10.3.4.

**Regulation: 527 CMR 1.06(1)**  
10.2.4 The owner, operator, or occupant of a building that is deemed unsafe by the AHJ shall ...

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**Regulation: 527 CMR 1.06(2)**

10.2.5 The owner, operator, or occupant, or any person in control of a building or premises shall keep records of all ...

**Regulation: 527 CMR 1.02(5)**

10.3.1 No new construction or existing building shall be occupied ...

10.3.2 Existing buildings that are occupied at the time of adoption of this *Code* shall remain ....

**Regulation: 527 CMR 1.06(2) (Permit requirement for shut-down of fire protection systems)**

10.3.3\* Buildings or portions of buildings, except for routine maintenance or repair, shall not be occupied ...

**Regulation: 527 CMR 1.06(2)**

10.4.5 Maintenance, inspection, and testing shall be performed under the supervision of a responsible person ...

**Regulation: 527 CMR 1.06(4)**

10.5.1 Persons shall not fail to leave a building when notified to do so or ...

10.5.2\* Persons shall not fail to leave any overcrowded premises ...

10.5.3\* Persons shall not fail to leave a building when a fire alarm system is activated, unless ...

**Regulation: : 527 CMR 10.08(1) (Hospitals), 527 CMR 10.09(1) (Schools), 527 CMR 10.10(1) (Theaters), 527 CMR 10.11(1) (Housing for the Elderly), 527 CMR 10.13(1) (Scope), 527 CMR 10.13 (2) (Places of Assembly), 527 CMR 10.13(3) (Special Residential Use Group), 527 CMR 10.13(4) (Use Group I-2), 527 CMR 10.13(5) (Use Group I-3), 527 CMR 10.13(6) (High Rise Buildings – Planning only), 527 CMR 10.13(8)(c)(2&3) (temporary Overnight Shelters) , 527 CMR 10.25(7) (Bulk Merchandising Retail Buildings)**

10.6.3 Competency. Responsibility for the planning and conducting of drills shall be assigned only to competent persons qualified to exercise leadership.

10.6.4 Orderly Evacuation.

10.6.5\* Simulated Conditions.

10.6.6 Relocation Area.

10.6.7\* A written record of each drill shall be completed by ...

**Regulation: 527 CMR 10.08(1), 10.09(1), 10.11(1), 10.13(1), 10.13(3)(c),**

10.6.2\* Drill Frequency.



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**Regulation: 527 CMR 10.08(1) (Hospitals), 527 CMR 10.09(1) (Schools), 527 CMR 10.10(1) (Theaters), 527 CMR 10.11(1) (Housing for the Elderly), 527 CMR 10.13(1) (Scope), 527 CMR 10.13 (2) (Places of Assembly), 527 CMR 10.13(3) (Special Residential Use Group), 527 CMR 10.13(4) (Use Group I-2), 527 CMR 10.13(5) (Use Group I-3), 527 CMR 10.13(6) (High Rise Buildings – Planning only), 527 CMR 10.13(8)(c)(2&3) (temporary Overnight Shelters) , 527 CMR 10.25(7&8) (Bulk Merchandising Retail Buildings)**

10.9 Emergency Plans.  
10.9.2 Plan Requirements.  
10.9.3\* Training and Education.

**Regulation: 527 CMR 10.07, 527 CMR 10.25(4) (Bulk Merchandising Buildings)**

10.10 Smoking.

**Regulation: 527 CMR 10.22, 527 CMR 10.03(6) (Open flame devices)**

10.11 Open Flame, Candles, Open Fires.

**Regulation: 527 CMR 10.22**

10.11.3 Outdoor Fires.  
10.11.4 Open Fires.

**Regulation: 527CMR 10.23**

10.11.4.1.1 Bonfires and the Burning of Christmas Trees.  
10.11.4.1.1.2 Bonfires from July 2 to July 6:  
10.11.4.1.1.3 Burning of Christmas Trees.

**Regulation: CMR 10.22**

10.11.4.2 Burning hours shall be prescribed by the AHJ.  
10.11.4.3 Recreational fires shall not be located within 25 ft (7.6 m) of a structure or combustible material unless contained in an approved manner.  
10.11.4.4 Conditions that could cause a fire to spread to within 25 ft (7.6 m) of a structure shall be eliminated prior to ignition.  
10.11.4.2 Burning hours shall be prescribed by the AHJ.  
10.11.5 Fire Attendant.

**Regulation: 527 CMR 6 See NFPA 58 for tanks.**  
Cooking Equipment.

**Regulation: Not specific, formally referenced in 527 CMR 6.00 (ref. NFPA 58) (LP tanks on balcony)**

10.11.6.2 For other than single family dwellings, no hibachi, grill, or other similar devices used for cooking shall be stored on a balcony.

**Regulation: Not specific, formally referenced in 527 CMR 6.00 (ref. NFPA 58) (LP tanks on balcony)**

10.11.6.3\* Listed equipment permanently installed in accordance with its listing,

**Regulation: 527 CMR 6.00 (ref. NFPA 58 for tanks)**

10.11.7 Installation of Patio Heaters.

**Regulation: 527 CMR 10.24(2); 10.03(12); 39.04 (not specific to fire lanterns)**

10.11.9.1 Welding torches, tar pots, fire lanterns, and other devices, machines, or processes liable to start or cause fire shall not be operated ...

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**Regulation: 527 CMR 1.06(1)(a)**

10.11.10 Discontinuance. The AHJ shall be authorized to require any fire to be immediately discontinued ...

**Regulation: 527 CMR 10.12(1) (Inner court requires parapet barrier 42” in height)**

10.12.2 Shaftways to Be Marked for Fire Fighter Safety.

**Regulation: 527 CMR 10.12(1)**

10.12.4 Inner Courts Specialized Construction.

**Regulation: 527 CMR 10.13(7)**

10.13 Vacant Buildings and Premises.

**Regulation: 527 CMR 10.13(7)**

10.13.5.5 Prior to receiving a mark, all buildings shall be inspected thoroughly by the Head of the Fire Department.

**Regulation: 527 CMR 10.03(13)(c), 10.25, 10.26, 10.27**

10.14.1.1 Christmas tree placement within buildings shall comply with Table 10.14.1.1.

**Regulation: 527 CMR 1.06(1), 527 CMR 21.00 (Decorations)**

10.14.2 In any occupancy, limited quantities of combustible vegetation shall be permitted where the AHJ determines that adequate safeguards are provided based on the quantity and ...

**Regulation: 527 CMR 21.00 (Decorations)**

10.14.3\* Provisions for Fire Retardance for Artificial Vegetation.

**Regulation: 527 CMR 21.00**

10.14.9 Provisions for Natural Cut Trees.

**Regulation: 527 CMR 1.06(1)(a), 527 CMR 10.03(4)**

10.14.10 Exterior Vegetation.

**Regulation: 527 CMR 17.00**

10.14.10.4 The use of Mulch.

**Regulation: 527 CMR 10.03(5) (b)**

10.15 Outdoor Events, Carnivals, and Fairs

10.15.3 Life Safety Evaluation.

10.15.3.1\* Where a life safety evaluation

10.15.3.2 Life safety evaluations shall include an assessment

10.15.6 Smoke and Carbon Monoxide Detection..

10.16.1.1 A person shall not store in any building or upon any premises more than 2,500 cubic feet ....

**Regulation: 527 CMR 10.02(1)**

10.15.5 Portable Fire Extinguishers.

**Regulation: 527 CMR 10.03(5)**

10.16.1 Outside storage of combustible materials shall not be located within 10 ft (3 m) of a property line.

10.16.1.2 Permit. Permit, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(5)(a)**

10.16.2 The storage of combustible or flammable material shall be confined to approved storage areas.

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**Regulation: 527 CMR 10.03(5)(c)**

10.16.3 Inside Storage.

**Regulation: 527 CMR 10.03(5)(d)**

10.16.4 Outside storage.

**Regulation: 527 CMR 10.03(5)**

10.16.5 Combustible storage in the open shall not exceed 20 ft (6.1 m) in height.

**Regulation: 527 CMR 10.03(14)**

10.18 Powered Industrial Trucks..

**Regulation: 527 CMR 10.03(5)**

10.19.1 General. Storage of combustible materials shall be orderly.

**Regulation: CMR 10.03(5)(b)**

10.19.2 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(c), 527 CMR 1.06(2), 527 CMR 40.00**

10.19.3.1 Storage shall be maintained 2 ft (0.61 m) or more from the ceiling in nonsprinklered areas of buildings.

10.19.3.2\* The clearance between the deflector and the top of storage shall be 18 in. (457 mm) or greater.

10.19.3.2.1 The clearance between the deflector and the top of storage shall be permitted to be less than 18 in. (457 mm) where permitted by NFPA 13.

10.19.3.3 Where other standards specify greater clearance to storage minimums, they shall be followed.

**Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13)(b)**

10.19.4 Means of Egress. Combustible material shall not be stored in exits.

**Regulation: 527 CMR 10.03**

10.19.5 Equipment Rooms.

10.19.5.2 Materials and supplies for the operation and maintenance of the equipment in the room shall be permitted.

**Regulation: 527 CMR 5.08(6) (k) (Prohibited inside garages)**

10.19.7 Fueled Equipment.

**Regulation: 527 CMR 10.06**

10.21: Fumigation and Thermal Insecticidal Fogging.

10.21.1 Permit. Permit, where required, shall comply with Section 1.12.

10.21.2 Fumigating Operations.

10.21.3 Fire Safety Requirements.

10.21.3.2 Sources of Ignition.

10.21.3.3 Electricity. .

10.21.3.4 Notification.

10.21.3.5 Warning signs.

10.21.3.6 Watchman.

10.21.3.7 Thermal Insecticidal Fogging Liquids.

10.21.3.8 Fire Protection Systems.

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**Regulation: 527 CMR 10.24(1) and MGL 148 section 28B**

10.22 Canine Guards.

10.22.1 Permit. Permit, where required, shall comply with Section 1.12.

10.22.2 Any person having control of a mercantile, commercial or industrial establishment wherein canine guards are maintained shall ...

**Regulation: 527 CMR 10.03 (16)**

10.23 Use and Storage of Alcohol Based Hand Rub Preparations.

**Regulation: 527 CMR 10.02 (2)**

10.24. Every school, college and university laboratory newly constructed or renovated, or any room used for similar purposes wherein corrosives or flammable liquids are ...

10.24.1 Emergency Wash Systems

**Regulation: 527 CMR 6.00**

11.4 Utilities.

**Regulation: 527 CMR 4.02**

11.5.1.1 The installation of stationary liquid fuel-burning appliances, including ...

11.5.1.1.1 Definitions Unless otherwise expressly stated, the following terms, for the purposes of this section shall have the following meanings:

11.5.1.1.1.1 Gravity Feed Burner.

11.5.1.1.1.2 Post Purge Control.

11.5.1.1.2 This Section shall not apply ...

**Regulation: 527 CMR 10.03(7)(b)**

11.5.1.1.3 Unsafe Heating Appliances.

11.5.1.1.3.1 Unauthorized Seal Removal.

**Regulation: 527 CMR 1.04**

11.5.1.2 Section 11.5 shall also apply to equipment...

11.5.1.3 Section 11.5 shall also apply installation...

11.5.1.4 Section 11.5 shall also apply ...

11.5.1.5\* Section 11.5 shall not apply ...

11.5.1.6 The installation of gas-fired heating appliances shall comply ...

11.5.1.7 All heating appliances shall be approved or listed.

11.5.1.8 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: CMR 527 CMR 4.03(1)(b)**

11.5.1.9 Electrical wiring and utilization equipment used in connection with oil-burning appliances or equipment shall be installed ...

**Regulation: 527 CMR 4.00**

11.5.1.10.1\* The type and grade of liquid fuel used in a liquid fuel-burning appliance shall be ...

11.5.1.10.2 Crankcase oil or used oil shall not be used as fuel unless all of the following conditions are met:

11.5.1.10.3\* Where heavy oils are used, the following shall be required:

11.5.1.10.4 A properly sized and rated oil filter or strainer shall be installed in the oil supply line to an oil burner. ...

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**Regulation: 527 CMR 4.02**

11.5.1.10.5 General Requirements.

Installation.

Automatic Shut Off.

Any person licensed as an electrician under M.G.L. c. 141

Exposure to Fire.

Tank Removal.

Fuel Oil.

Fuel Oil Delivery.

**Regulation: 527 CMR 1.04**

11.5.1.10.5.1 Permit. Permits where required, shall comply with Section 1.12.

**Regulation: 527 CMR 4.03(6)(f)**

11.5.1.10.6 Unenclosed Tanks: Installation Inside Buildings.

**Regulation: 527 CMR 4.03(8)(d)**

11.5.1.10.7 Tanks: Installations Outside Buildings.

**Regulation: 527 CMR 4.03(9)(c)**

11.5.1.10.8 Fill and Vent Piping.

**Regulation: 527 CMR 4.03(11)(a)**

11.5.1.10.9 Oil Gauging.

**Regulation: 527 CMR 4.04**

11.5.1.10.10 Oil Burners, Light Fuel Oil Type.

11.5.1.10.10.1 Oil Supply and Return Lines.

11.5.1.10.10.2 Oil Pumps and Valves.

11.5.1.10.10.3 Oil Burner Controls.

**Regulation: 527 CMR 4.04(5) and MGL. c.148, § 10C and 10D**

11.5.1.10.10.4 Certificate and License Requirements for Repair or Replacement of Oil burner Equipment.

**Regulation: 527 CMR 4.04(5)**

11.5.1.10.10.5 Certificates. Certificates, where required, shall comply with Section 1.12.8.51.

**Regulation: 527 CMR 4**

11.5.2.1 The use of unvented kerosene burners and oil stoves is prohibited by MGL 148 s. 25B.

**Regulation: 527 CMR 34.07 (Waste chutes)**

11.6 Rubbish Chutes, Incinerators, and Laundry Chutes.

**Regulation: 527 CMR 34.07(2)**

11.6.1.2 Instruction describing the size and type of waste which may be deposited in the chute shall be posted at each service opening.

**Regulation: 527 CMR 34.07 (Waste chutes)**

11.6.1.3 The doors of chutes specified in 11.6.1.2 shall open only to a room ...

11.6.1.4 The room used for accessing the chute opening shall be separated ...

11.6.1.5 The requirements of 11.6.1.1 through 11.6.1.4 shall not apply

**Regulation: 527 CMR 34.07(1)**

11.6.2 Installation and Maintenance.

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**Regulation: 527 CMR 27.00 (Refers to NFPA 110)**

11.7 Stationary Generators and Standby Power Systems.

**Regulation: 527 CMR 27.00**

11.7.3 Emergency and Legally Required Standby Power Systems.

**Regulation: 527 CMR 1.06(2)**

11.7.5 Maintenance and Testing.

**Regulation: 527 CMR 1.06(2)**

11.8.1 Newly installed smoke-control systems shall be inspected ...

11.8.2 Smoke-control systems...

11.8.3 All smoke-control systems and devices shall be maintained ...

11.8.4 The AHJ shall be notified when any smoke-control system is out of service for ...

11.8.5 The AHJ shall be permitted to require the building to be evacuated or an approved fire watch ...

**Regulation: 527 CMR 1.06(2)**

12.1 General.

This Chapter shall apply to existing, permanent, or temporary buildings.

12.3.1

**Regulation: 527 CMR 527 1.06 (2) not specifically regulated other than maintenance of such systems and 527 CMR 10.14(1)(c).**

12.3.3.1 Required fire-resistive construction, ... shall be maintained as constructed or permitted under the building code.

**Regulation: 527 CMR 1.06(2)**

12.3.3.2 Where required, fire-rated gypsum wallboard walls or ceilings that are damaged

**Regulation: 527 CMR 1.06(2), 527 CMR 10.03(9)**

12.4.1\* The installation and maintenance of assemblies and devices used to protect openings in walls, floors, and ceilings against the spread of fire and smoke within, into, or out of buildings shall comply...

12.4.2\*, 12.4.3\* , 12.4.4\*, 12.4.5\*

12.4.6 Care and Maintenance of Fire Doors and Other Opening Protectives.

**Regulation: 527 CMR 10.03(9), 527 CMR 1.06(2)**

12.4.6.3.1 Doors, shutters, and windows shall be operable at all times. ...

12.4.6.3.2 Doors, shutters, and windows shall be kept closed and latched or arranged for automatic closing.

**Regulation: 527 CMR 10.03(9)** 12.4.6.5.1 Repairs shall be made, and defects that could interfere with operation shall be corrected without delay.

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**Regulation: 527 CMR 10.03(9), 527 CMR 1.06(2)**

12.4.6.5.2.1 In cases where a field modification to a fire door or a fire door assembly is desired,

12.4.6.5.2.2 If the laboratory finds that the modifications will not compromise

12.4.6.6.1\* Fire door assemblies shall be inspected and tested not less than annually,

**Regulation: 527 CMR 10.03(9), 527 CMR 1.01(3)**

12.4.6.7.1 As an alternate means of compliance with 12.4.6.6.1, subject to the AHJ ...

12.4.6.7.2 Goals established under a performance-based program shall provide...

12.4.6.7.3 Technical justification for inspection, testing, and maintenance intervals shall be documented.

12.4.6.7.4 The performance-based option shall include historical data acceptable to the AHJ.

**Regulation: 527 CMR 10.03(9), 527 CMR 1.06(2)**

12.4.6.8.1 Functional testing of fire door and window assemblies shall be...

12.4.6.8.2 Before testing, a visual inspection shall be performed ...

12.4.6.9 Swinging Doors with Builders Hardware or Fire Door Hardware.

12.4.6.17.2 Chains or cables on biparting,...

**Regulation: 527 CMR 10.03(9), 527 CMR 10.03(13), 527 CMR 1.06(2)**

12.4.6.18.1 Door openings and the surrounding areas shall be kept clear ...

12.4.6.18.2, 12.4.6.18.3

**Regulation: 527 CMR 10.03(9), 527 CMR 1.06(2)**

12.4.6.19.1 Self-closing devices shall be kept...

12.4.6.19.2, 12.4.6.19.3, 12.4.6.19.3.1, 12.4.6.19.3.2, 12.4.6.19.3.3, 12.4.6.19.3.4, 12.4.6.19.3.5, 12.4.6.19.4,

12.4.6.19.5\* , 12.4.6.20.1, 12.4.6.20.1.1, 12.4.6.20.2 12.4.6.20.3.1, 12.4.6.20.4, 12.4.6.21.1, 12.4.6.21.2,

12.4.6.21.3, 12.4.6.21.4, 12.4.6.21.5

**Regulation: 527 CMR 10.09(5)**

12.5.6.3.1 Bulletin boards, posters, and paper attached directly to the wall shall not exceed 20 percent

12.5.6.3.2

**Regulation: 527 CMR 29.00, 527 CMR 21.00**

12.6.1 Furnishings, contents, decorations, and treated finishes in buildings and structures

12.6.2\*

**Regulation: 527 CMR 29.03**

12.6.3.1\* Upholstered Furniture.

**Regulation: 527 CMR 29.03(4)**

12.6.3.1(3)

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**Regulation: 527 CMR 29.03, 527 CMR 10.08(2) (mattress pads in hospitals), 527 CMR 21.02**

12.6.3.2\* Mattresses.

12.6.3.2.1\* , 12.6.3.2.2\*

**Regulation: 527 CMR 29.03**

12.6.3.3 Seating shall not be purchased, leased or rented for use in a particular occupancy unless labeled or identified by the manufacturer.

12.6.3.3.1 The following shall be exempt:

12.6.3.4 For spaces not protected by an approved sprinkler

12.6.3.5 Labeled Furniture.

12.6.3.5.1

12.6.3.5.2 The label shall be stitched or adhered onto each piece of regulated furniture.

**Regulation: Parts are regulated by 527 CMR 27.**

12.6.3.6 Documentation of Furniture.

12.6.3.6.1 The building manager shall maintain documentation...

12.6.3.6.2 The documentation shall be made available ...

12.6.3.6.3 The documentation shall include:

**Regulation: 527 CMR 29.03, 527 CMR 10.08(2) (mattress pads in hospitals), 527 CMR 21.02**

12.6.4\* Furnishings or decorations of an explosive or highly flammable character shall not be used. ...

12.6.5 Fire-retardant coatings shall be maintained ...

12.6.6\*

**Regulation: 527 CMR 1.06 (2) however, not specifically regulated other than the maintenance and 527 CMR**

**10.14(1)(c).**

12.7.5 Penetrations.

**Regulation: 527 CMR 1.06(2)**

12.7.5.1\* Firestop Systems and Devices Required.

12.7.5.1.1, 12.7.5.1.2, 12.7.5.1.1(4) (a) through (d), 12.7.5.1.3,

12.7.5.1.4 (1) and (2)

12.7.5.2 Sleeves.

12.7.5.3 Insulation and Coverings.

12.7.5.4 Transmission of Vibrations.

12.7.5.5.1, 12.7.5.5.2, 12.7.5.6.1, 12.7.5.6.2, 12.7.5.6.3,

12.7.5.7, 12.7.5.8.1, 12.7.5.8.2, 12.7.5.8.3, 12.7.5.8.4,

12.7.5.8.5, 12.7.5.8, 12.7.5.8.7.1, 12.7.5.8.7.2

**Regulation: 527 CMR 1.06 (2) however, not specifically regulated other than the maintenance**

12.8.1\* General. Where required elsewhere in this *Code*, smoke partitions shall be maintained to limit the transfer of smoke.

**Regulation: 527 CMR 1.06(2)**

12.8.4 Penetrations.

12.8.4.1, 12.8.4.2

**Regulation: 527 CMR 10.03(15)**

13.1.1 For alarms and systems regulated by this *Code*, the AHJ shall have the authority to



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## **Regulation: 527 CMR 1.04**

13.1.1.1 Permits. Permits, where required, shall comply with Section 1.12.

## **Regulation: 527 CMR 10.03(15), 527 CMR 1.06(2), M.G.L. Chapter 148 s. 27A**

13.1.2 The property owner shall be responsible for the proper testing and maintenance of the equipment and systems...

13.1.3 Obstructions shall not be placed or kept near fire hydrants, ...

13.1.4 A minimum 36 in. of clear space shall be maintained...

13.1.4.1 An approved clear and unobstructed path shall be provided and maintained ...

13.1.5 Detailed records documenting all systems and equipment testing and maintenance shall be kept...

13.1.6 Existing systems shall be in accordance with 1.3.6.2 and 10.3.2....

13.1.7 All fire protection systems and devices shall be maintained...

13.1.8 No person shall shut off, disconnect, obstruct, remove...

13.1.9 When a fire protection system is out of service ...

13.1.10 In the event of a failure of a fire protection system or an excessive number of accidental activations, the AHJ shall be permitted to require...

13.1.11\* For occupancies of an especially hazardous nature...

13.1.12 The AHJ shall have the authority to require locking fire department connection...

## **Regulation: 527 CMR 1.06(2), 527 CMR 40.00**

13.2.3.1 A standpipe system installed in accordance ...

13.2.3.2

13.2.3.3

## **Regulation: 527 CMR 10.03(15)**

13.3.1.1\* Automatic sprinklers shall be installed and maintained ...

13.3.1.2 Installations shall be in accordance with ...

13.3.1.3 Existing systems shall be in accordance with 1.3.6.2 and 10.3.2...

## **Regulation: 527 CMR 10.25**

13.3.2.23.3 Bulk merchandising retail buildings shall be protected...

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## **Regulation: 527 CMR 40.00, 527 CMR 1.06(2)**

13.3.3.1 A sprinkler system installed in accordance with...  
13.3.3.2  
13.3.3.3 Ceiling Tiles and Ceiling Assemblies.  
13.3.3.4.1 Responsibility of the Property Owner or Designated Representative.  
13.3.3.4.1.1\* , 13.3.3.4.1.1.1, 13.3.3.4.1.1.2, 13.3.3.4.1.1.3\* ,  
13.3.3.4.1.1.4,  
13.3.3.4.1.2\* Accessibility.  
13.3.3.4.1.3 Notification of System Shutdown.  
13.3.3.4.1.3.1, 13.3.3.4.1.3.2, 13.3.3.4.1.4.1,  
13.3.3.4.1.4.2\*  
13.3.3.4.1.5\* Changes in Occupancy, Use, Process, or Materials.  
13.3.3.4.1.5.1, 13.3.3.4.1.5.2,  
13.3.3.4.1.6\* Addressing Changes in Hazards.  
13.3.3.4.1.6.1, 13.3.3.4.1.6.2,  
13.3.3.4.1.7 Valve Location.  
13.3.3.4.1.8.1, 13.3.3.4.1.8.2, 13.3.3.4.1.9.1, 13.3.3.4.1.9.2,  
13.3.3.4.2 Corrective Action.

## **Regulation: 527 CMR 40.03, 527 CMR 1.06(2)**

13.3.3.4.3 Records.  
13.3.3.4.3.1\* , 13.3.3.4.3.2, 13.3.3.4.3.3\* , 13.3.3.4.3.4,  
13.3.3.4.3.5,

## **Regulation: 527 CMR 40.02, 527 CMR 1.06(2)**

13.3.3.5.1.1\* Replacement sprinklers shall have the proper characteristics for the application intended, which include the following:  
13.3.3.5.1.1.1\* , 13.3.3.5.1.1.2, 13.3.3.5.1.2, 13.3.3.5.1.3\* ,  
13.3.3.5.1.4\* 13.3.3.5.1.4.1, 13.3.3.5.1.4.2  
13.3.3.5.1.5, 13.3.3.5.1.6\* , 13.3.3.5.1.6.1, 13.3.3.5.1.7,  
13.3.3.5.1.7.1\* , 13.3.3.5.1.7.2, 13.3.3.5.1.8\*  
13.3.3.5.1.9, 13.3.3.5.1.9.1  
13.3.3.5.2\* Dry Pipe Systems.  
13.3.3.5.2.1, 13.3.3.5.2.2, 13.3.3.5.2.3, 13.3.3.5.2.4  
13.3.3.5.3\* Installation and Acceptance Testing.  
13.3.3.6.1.1.1, 13.3.3.6.1.1.2, 13.3.3.6.2.1, 13.3.3.6.2.2,  
13.3.3.6.2.3, 13.3.3.6.3.1\* , 13.3.3.6.3.2\* , 13.3.3.6.4.1,  
13.3.3.6.4.2, 13.3.3.6.5.1, 13.3.3.6.5.2, 13.3.3.6.6.1,  
13.3.3.6.6.2, 13.3.3.6.6.3  
13.3.3.6.7 Restoring Systems to Service.

## **Regulation: 527 CMR 10.03(15) and 527 CMR 1.04**

13.4.1.2 Permits. Permits, where required, shall comply with Section 1.12.

## **Regulation: 527 CMR 1.02(5)**

13.4.1.3 Retroactivity.  
13.4.1.3.1, 13.4.1.3.2, 13.4.1.3.3

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## **Regulation: 527 CMR 40.02**

13.4.1.6.1 In the event of fire pump operation, qualified personnel shall respond to the fire pump location to determine that the fire pump is operating in a satisfactory manner.

[20:4.3.1]

13.4.1.6.2 System Designer.

13.4.1.6.2.1

13.4.1.6.3 System Installer.

13.4.1.6.3.1, 13.4.1.6.4.1, 13.4.1.6.4.2

## **Regulation: 527 CMR 1.06(2), 527 CMR 40.02**

13.4.4.1.1 Engines shall be designed and installed so that they can be started no less than once a week and run for no less than 30 minutes to attain normal running temperature.

13.4.4.1.2, 13.4.4.1.3, 13.4.4.2\* , 13.4.4.3.1, 13.4.4.3.2, 13.4.4.3.3, 13.4.4.3.4, 13.4.4.3.5, 13.4.4.3.6, 13.4.4.3.6.1, 13.4.4.4.1, 13.4.4.4.2, 13.4.4.5.1, 13.4.4.6.1, 13.4.4.6.2

13.4.8 Periodic Inspection, Testing, and Maintenance.

13.4.9.1.1, 13.4.9.1.2, 13.4.9.1.3, 13.4.9.1.4.1, 13.4.9.1.4.2,

13.5.1, 13.5.2, 13.5.3\*, 13.5.3.1, 13.5.4.1, 13.5.4.2

## **Regulation: 527 CMR 10.02**

13.6.1 General Requirements.

13.6.1.1 Portable fire extinguishers are intended as a first line of defense to cope with fires of limited size. ...]

13.6.1.2, 13.6.1.3, 13.6.1.4, 13.6.1.5

13.6.2\*(5) Where Required.

## **Regulation: 527 CMR 10.02(1)**

13.6.3.1, 13.6.3.2\*, 13.6.3.2.1, 13.6.3.3\*, 13.6.3.3.1, 13.6.3.3.2

13.6.3.4 Electrical Conductivity.

13.6.3.4.1, 13.6.3.4.2, 13.6.3.4.3

13.6.4\* Identification of Contents.

13.6.5.1, 13.6.5.2,

13.6.6 Obsolete Fire Extinguishers.

13.6.6.1\* , 13.6.6.1.1, 13.6.6.2

13.6.7 Selection of Portable Fire Extinguishers.

13.6.7.1 General Requirements.

13.6.7.2.1, 13.6.7.2.1.1, 13.6.7.2.1.2, 13.6.7.2.2, 13.6.7.2.2.1\*, 13.6.7.2.2.3\*, 13.6.7.2.2.4\*, 13.6.7.2.2.5, 13.6.7.2.2.6\*

13.6.7.2.2.7\* Wheeled fire extinguishers shall be considered or hazard protection in areas in which a fire risk assessment has shown the following:

13.6.7.3 Classification of Hazards.

13.6.7.3.1 Classifying Occupancy Hazard. Rooms or areas shall be classified as being light (low) hazard, ordinary (moderate) hazard, or extra (high) hazard.

13.6.7.3.1.1\* Light (Low) Hazards. Light (low) hazard occupancies shall be classified...

13.6.7.3.1.2\* Ordinary (Moderate) Hazards.

13.6.7.3.1.3\* Extra (High) Hazards.

13.6.7.3.1.4 Limited areas of greater or lesser hazard shall be protected as required. ...

13.6.7.3.2\* Selection by Occupancy.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 10.02(1)**

- 13.6.7.3.2.1 Required building protection shall be provided by fire extinguishers for Class A fires.
- 13.6.7.3.2.2\* Occupancy hazard protection shall be provided by fire extinguishers ...
- 13.6.7.3.2.3 Fire extinguishers provided for building protection shall be permitted ...
- 13.6.7.3.2.4 Buildings having an occupancy hazard subject to Class B or Class C fires, or both, shall ...
- 13.6.7.3.2.5 Where fire extinguishers have more than one letter classification (such as 2-A:20-B:C), they shall ...
- 13.6.7.4 Selection for Specific Hazards.
- 13.6.7.4.1 Class B Fires.
- 13.6.7.4.1.1\* Extinguishers for Pressurized Flammable Liquids and Pressurized Gas Fires.
- 13.6.7.4.1.1.1 Selection of fire extinguishers for this type of hazard shall be made on the basis ...
- 13.6.7.4.1.1.2\* Large capacity dry chemical extinguishers of 10 lb (4.54 kg) or greater ...
- 13.6.7.4.2 Three-Dimensional Fires.
- 13.6.7.4.3 Water-Soluble Flammable Liquid Fires (Polar Solvents).
- 13.6.7.4.4 Obstacle Fires.
- 13.6.7.4.5\* Class K Cooking Media Fires.
- 13.6.7.4.5.1 Class K fire extinguishers manufactured after January 1, 2002,
- 13.6.7.4.5.2 Fire extinguishers installed specifically for the protection of cooking appliances ...
- 13.6.7.4.5.3\* A placard shall be conspicuously placed near the extinguisher ...
- 13.6.7.4.6\* Electronic Equipment Fires. ...

- 13.6.7.4.6.1\* Dry chemical fire extinguishers shall not be installed for the protection of delicate electronic equipment. ...
- 13.6.7.4.7.1 Only water-type extinguishers shall be installed in areas containing oxidizers, such as pool chemicals...
- 13.6.7.4.7.2 Multipurpose dry chemical fire extinguishers shall not be installed in areas containing oxidizers, such as pool chemicals...
- 13.6.7.5.1 Where portable fire extinguishers are required to be installed, the following documents shall be ...
- 13.6.8.1.1\* Number of Extinguishers. ...
- 13.6.8.1.1.1 Additional extinguishers shall be permitted ...
- 13.6.8.1.1.2 Fire extinguishers having ratings less than those specified in Table 13.6.8.2.1.1 and Table 13.6.8.3.1.1... 13.6.8.2.1.4, and 13.6.8.3.1.5. [10:6.1.1.2]
- 13.6.8.1.2 Extinguisher Readiness.
- 13.6.8.1.3.1 Fire extinguishers shall be conspicuously ...
- 13.6.8.1.3.2 Fire extinguishers shall be located along normal paths of travel, including exits from areas.
- 13.6.8.1.3.3.1 Fire extinguishers shall not be obstructed or obscured from view...
- 13.6.8.1.3.3.2\* In large rooms and in certain locations where visual obstructions cannot be completely avoided, means shall be provided to indicate the extinguisher location.
- 13.6.8.1.3.4\* Portable fire extinguishers other than wheeled extinguishers shall be installed using any of the following means:
  - 13.6.8.1.3.5 Wheeled fire extinguishers shall be located in designated locations...
  - 13.6.8.1.3.6 Fire extinguishers installed under conditions where they are subject to dislodgement shall be ...
  - 13.6.8.1.3.7 Fire extinguishers installed under conditions where they are subject to physical damage ...

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## **Regulation: 527 CMR 10.02(1)**

13.6.8.1.3.8.1 Fire extinguishers having a gross weight not exceeding 40 lb (18.14 kg) shall be installed ...

13.6.8.1.3.8.2 Fire extinguishers having a gross weight greater than 40 lb ...

13.6.8.1.3.8.3 In no case shall the clearance between the bottom of the hand portable fire extinguisher and the ...

13.6.8.1.3.9.1 Extinguishers' operating instructions shall be located on the front of the extinguisher and ...

13.6.8.1.3.9.2 Hazardous materials identification systems (HMIS) labels, 6-year maintenance labels, hydrostatic test labels, or other labels shall not be located ...

13.6.8.1.3.9.3 The restrictions of 13.6.8.1.3.9.2 shall not apply to original manufacturer's labels, labels ...

13.6.8.1.3.10.1 Cabinets housing fire extinguishers shall not be locked, ...

13.6.8.1.3.10.2 The location of fire extinguishers as described in 13.6.8.1.3.3.2 shall be marked conspicuously. ...

13.6.8.1.3.10.3 Fire extinguishers mounted in cabinets or wall recesses shall be placed ...

13.6.8.1.3.10.4\* Where fire extinguishers are installed in closed cabinets that are exposed to elevated temperatures, ...

13.6.8.1.3.11\* Fire extinguishers shall not be exposed to temperatures outside of the listed temperature range ...

13.6.8.1.4.1 Fire extinguishers containing plain water only can be protected to temperatures as low as ...

13.6.8.1.4.2 Calcium chloride solutions shall not be used in stainless steel fire extinguishers....

13.6.8.2.1 Fire Extinguisher Size and Placement for Class A Hazards.

13.6.8.2.1.1 Minimal sizes of fire extinguishers ...

13.6.8.2.1.2 Fire extinguishers shall be located ...

13.6.8.2.1.3 Certain smaller fire ...

13.6.8.2.1.3.1 Fire extinguishers of lesser rating ...

13.6.8.2.1.4 Up to one-half of the complement of fire extinguishers specified ...

13.6.8.2.1.4.1 Where hose stations are so provided, ...

13.6.8.2.1.4.2 The location of hose stations and the placement of fire extinguishers ....

13.6.8.2.1.5 Where the area of the floor of a building is less than ...

13.6.8.2.1.6 The protection requirements shall be permitted to be fulfilled with fire extinguishers of higher rating, ...

13.6.8.3 Installations for Class B Hazards.

13.6.8.3.1 Other Than for Fires in Flammable Liquids of Appreciable Depth.

13.6.8.3.1.1 Minimum sizes of fire extinguishers for the listed grades of hazard shall be provided in accordance ...

13.6.8.3.1.2 Fire extinguishers shall be located so that the maximum travel distances do not exceed ...

13.6.8.3.1.2.1 Fire extinguishers of lesser rating, desired for small specific hazards ...

13.6.8.3.1.3 Up to three AFFF or FFFP fire extinguishers of at least 2½ gal ...

13.6.8.3.1.4 Two AFFF or FFFP fire extinguishers of at least 1.6 gal ...

13.6.8.3.1.5 Two or more fire extinguishers of lower rating shall not be used ...

13.6.8.3.1.6 The protection requirements shall be permitted to be fulfilled with fire extinguishers of higher ratings, ...

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## **Regulation: 527 CMR 10.02(1)**

- 13.6.8.3.2 Flammable Liquids of Appreciable Depth.
- 13.6.8.3.2.1 Portable fire extinguishers shall not be installed as the sole protection ....
- 13.6.8.3.2.2\* Where personnel who are ...
- 13.6.8.3.2.3 For flammable liquid hazards of appreciable depth, ...
- 13.6.8.3.2.4 AFFF- or FFFP-type fire extinguishers shall be permitted ...
- 13.6.8.3.2.5 Two or more fire extinguishers of lower ratings, other than AFFF- or FFFP-type fire extinguishers...
- 13.6.8.3.2.6 Up to three AFFF- or FFFP-type fire extinguishers shall be permitted ....
- 13.6.8.3.2.7 Travel distances for portable fire extinguishers shall not exceed 50 ft ...
- 13.6.8.3.2.7.1 Scattered or widely separated hazards shall be individually protected. [10:6.3.2.7.1]...
- 13.6.8.3.2.7.2 A fire extinguisher in the proximity of a hazard shall be located to be accessible ....
- 13.6.8.4\* Installations for Class C Hazards.
- 13.6.8.4.1 Fire extinguishers with Class C ratings shall be required ...
- 13.6.8.4.2 The requirement in 13.6.8.4.1 shall include situations ...
- 13.6.8.4.3 Because fire is a Class A or Class B hazard, the fire extinguishers shall be sized and located ...
- 13.6.8.5 Installations for Class D Hazards.
- 13.6.8.5.1 Fire extinguishers or extinguishing agents with Class D ratings shall be provided ...
- 13.6.8.5.2 Fire extinguishers or extinguishing agents (media) shall be located not more than 75 ft ...

- 13.6.8.5.3 Portable fire extinguishers or extinguishing agents (media) for Class D hazards shall be provided in those work areas where ...
- 13.6.8.5.4 Size determination shall be on the basis of ...
- 13.6.8.6.1 Class K fire extinguishers shall be provided for hazards ...
- 13.6.8.6.2 Maximum travel distance shall not exceed 30 ft . from the hazard to the extinguishers. ...
- 13.6.8.6.3 All solid fuel cooking appliances ...
- 13.6.9 Inspection, Maintenance, and Recharging of Portable Fire Extinguishers.
- 13.6.9.1\* General.
- 13.6.9.1.1 Responsibility. .

## **Regulation: 527 CMR 23.05, 527 CMR 1.06(2)**

- 13.6.9.1.2.1\* Persons performing maintenance and recharging of extinguishers shall be certified. ...
- 13.6.9.1.2.1.1 Persons training to become certified shall ...
- 13.6.9.1.2.1.2\* Certification requires that a person pass a test administered ...
- 13.6.9.1.2.1.3 The test shall at a minimum be based upon knowledge of the chapters and annexes of NFPA 10.
- 13.6.9.1.2.1.4 The testing process shall permit persons to use NFPA 10 during the test. ...
- 13.6.9.1.2.1.5 Persons passing the test ...
- 13.6.9.1.2.1.6 The document or certificate shall be made available when requested by the AHJ. ...
- 13.6.9.1.2.2 Persons performing maintenance and recharging of extinguishers shall be trained ...
- 13.6.9.1.2.3\* Persons performing 30-day inspections shall not be required to be certified. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.02(1)**

13.6.9.1.3 Replacement While Servicing. ...

**Regulation: 527 CMR 23.07, 527 CMR 1.06(2), 527 CMR 10.02(1)**

13.6.9.1.4.1 Tags or labels intended for ...

13.6.9.1.4.2 Labels indicating fire extinguisher ...

**Regulation: 527 CMR 10.02(1)**

13.6.9.1.5.1 When used in conjunction with fire alarm systems, fire extinguisher electronic monitoring devices shall be inspected and maintained ....

13.6.9.3.2.5. [10:7.1.5.1]

13.6.9.1.5.2 When used in conjunction with non-fire alarm systems, fire extinguisher electronic monitoring devices shall be inspected and maintained ...

13.6.9.1.5.2.1 The connection to the electronic monitoring device shall be continuously supervised for integrity. ...

13.6.9.1.5.2.2 The power source for the electronic monitoring device shall be supervised for continuity of power. ...

13.6.9.1.5.2.3 The monitoring device shall be tested and maintained annually ...

**Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

13.6.9.2.1.1\* Fire extinguishers shall be manually inspected...

13.6.9.2.1.2\* Fire extinguishers shall be inspected either manually or by means of an electronic monitoring ....

13.6.9.2.1.2.1 Where electronic monitoring is used ...

13.6.9.2.1.3\* Fire extinguishers shall be inspected at more frequent intervals ...

13.6.9.2.2 Procedures.

**Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

13.6.9.2.2.1 In addition to 13.6.9.2.2, fire extinguishers shall ...

13.6.9.2.2.2 Where required by 13.6.9.2.2.1, the following inspection procedures shall be in addition to those addressed in 13.6.9.2.2:

13.6.9.2.3 Corrective Action.

13.6.9.2.3.1 Rechargeable Fire Extinguishers.

13.6.9.2.3.2 Nonrechargeable Dry Chemical Fire Extinguisher.

13.6.9.2.3.3 Nonrechargeable Halon Agent Fire Extinguisher.

13.6.9.2.4.1 Personnel making manual inspections shall keep records of all fire extinguishers inspected, ...

13.6.9.2.4.2 Where electronically monitored systems are employed for inspections, records shall be kept ...

13.6.9.2.4.3 Where at least monthly manual inspections are conducted, ...

13.6.9.2.4.4 Where manual inspections are conducted, ...

**Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

13.6.9.2.4.5 Records shall be kept to demonstrate that at least the last 12 monthly inspections ...

13.6.9.2.4.6 Fire extinguishers inspected via electronic monitoring, ...

13.6.9.3.1.1.1 Fire extinguishers shall be subjected to maintenance at intervals of not more than 1 year, ...

13.6.9.3.1.1.2 Fire extinguishers shall be internally examined ...

13.6.9.3.1.2 Stored-Pressure Types.

13.6.9.3.1.2.1 Six-Year Internal Examination. ...

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**Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

- 13.6.9.3.1.2.2 When subjected to temperatures at or above their listed rating, stored-pressure fire extinguishers that require a 12-year hydrostatic test shall be ...
- 13.6.9.3.1.2.3 Loaded Stream Charge. ...
- 13.6.9.3.1.2.4 When the applicable maintenance procedures are performed during periodic recharging or hydrostatic testing, ...
- 13.6.9.3.1.3\* Carbon Dioxide Hose Assemblies. ...
- 13.6.9.3.1.3.1 Carbon dioxide hose assemblies that fail the conductivity test ...
- 13.6.9.3.1.3.2 Carbon dioxide hose assemblies that pass a conductivity test shall ...
- 13.6.9.3.1.4 Pressure Regulators. .
- 13.6.9.3.1.5\* Wheeled Unit Hoses. ...
- 13.6.9.3.2\* Procedures. .

**Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

- 13.6.9.3.2.1 Internal and External Examination.
- 13.6.9.3.2.1.1 Internal examination during annual maintenance shall not be required ...
- 13.6.9.3.2.1.2 The fire extinguishers listed in 13.6.9.3.2.1.1 shall be thoroughly examined ...
- 13.6.9.3.2.2\* Seals or Tamper Indicators. ...
- 13.6.9.3.2.2.1 After the applicable maintenance procedures are completed, a new listed tamper seal shall be installed. ...
- 13.6.9.3.2.2.2 Tamper indicators on nonrechargeable-type extinguishers shall not be removed. ...
- 13.6.9.3.2.3\* Boots, Foot Rings, and Attachments. ...
- 13.6.9.3.2.4 Physical Appearance. ...
- 13.6.9.3.2.5 Electronic Monitoring. ...

- 13.6.9.3.2.5.1 One hundred percent of all units shall be tested upon initial installation ....
- 13.6.9.3.2.5.2 Twenty percent of units shall be tested annually on a rotating basis ...
- 13.6.9.3.3\* Maintenance Record Keeping. ...
- 13.6.9.3.3.1\* Six-Year Service Label. .
- 13.6.9.3.3.1.1 The new label shall be affixed to the shell by a heatless process, and any old maintenance labels shall be removed.
- 13.6.9.3.3.1.2 These labels shall be of the self-destructive type when their removal from a fire extinguisher is attempted.
- 13.6.9.3.3.1.3 The label shall include the following information:
- 13.6.9.3.3.2\* Verification-of-Service Collar (Maintenance or Recharging).
- 13.6.9.3.3.2.1 Each extinguisher that has undergone maintenance that includes ...
- 13.6.9.3.3.2.2 Cartridge- or cylinder-operated fire extinguishers shall not be required ...
- 13.6.9.3.3.2.3 New extinguishers requiring an initial charge in the field ...
- 13.6.9.4.1.1 All rechargeable-type fire extinguishers shall be recharged after any use ...
- 13.6.9.4.1.2\* When the recharging is performed, the recommendations of the manufacturer shall be followed. ...
- 13.6.9.4.1.3\* The amount of recharge agent shall be verified by weighing. ...
- 13.6.9.4.1.3.1 The recharged gross weight shall be the same as the gross weight that is marked on the nameplate. ...



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### **Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

13.6.9.4.1.3.2 For those fire extinguishers that do not have the gross weight marked on the nameplate or valve, a permanent label ...

13.6.9.4.1.3.3 The added label containing the gross weight shall be a durable material of a pressure-sensitive, self-destruct type. ...

13.6.9.4.1.3.4 Pump tank water and pump tank calcium chloride-based antifreeze types shall not be required to have weight marked. ...

13.6.9.4.1.3.5\* After recharging, a leak test shall be performed on stored-pressure and self-expelling types of fire extinguishers. ...

13.6.9.4.1.4.1 No fire extinguisher shall be converted from one type to another, ...

13.6.9.4.1.4.2 Fire extinguishers shall not be used for any purpose other than that of a fire extinguisher. ...

13.6.9.4.2.1 Pump Tank. ...

13.6.9.4.2.2 Wetting Agent. ...

13.6.9.4.2.2.1 Only the agent specified on the nameplate shall be used for recharging. ...

13.6.9.4.2.2.2 The use of water or any other additives shall be prohibited. ...

13.6.9.4.2.3.1 The premixed agent in liquid charge-type AFFF and FFFP fire extinguishers shall be replaced at least once every 3 years. ...

13.6.9.4.2.3.2 Only the foam agent specified on the extinguisher nameplate shall be used for recharge. ...

13.6.9.4.2.3.3 The agent in nonpressurized AFFF and FFFP fire extinguishers that is subjected to agent analysis ...

13.6.9.4.3.1.1 Only those agents specified on the nameplate or agents proven to have equal chemical composition, physical characteristics, and fire-extinguishing capabilities shall be used. ...

13.6.9.4.3.1.2 Agents listed specifically for use with that fire extinguisher shall be considered to meet these requirements. ...

13.6.9.4.3.2\* Mixing of Dry Chemicals. Multipurpose dry chemicals shall not be mixed with alkaline-based dry chemicals. ...

13.6.9.4.3.3.1 The remaining dry chemical in a discharged fire extinguisher shall be permitted to be re-used, provided that it is thoroughly checked for the proper type, contamination, and condition. ...

13.6.9.4.3.3.2 Dry chemical found to be of the wrong type or contaminated shall not be re-used. [10:7.4.3.3.2]

13.6.9.4.3.4.1 Fire extinguishers removed for 6-year maintenance or hydrostatic testing shall be emptied. ...

13.6.9.4.3.4.2 The dry chemical agent shall be permitted to be re-used, provided a closed recovery system is used and the agent is stored in a sealed container to prevent contamination. ...

13.6.9.4.3.4.3 Prior to re-use, the dry chemical shall be thoroughly checked for the proper type, contamination, and condition. ...

13.6.9.4.3.4.4 Where doubt exists with respect to the type, contamination, or condition of the dry chemical, the dry chemical shall be discarded. ...

13.6.9.4.3.5 Dry Powder.

13.6.9.4.3.5.1 Pails or drums containing dry powder ...

13.6.9.4.3.5.2 The dry powder shall be replaced if found damp. ....

13.6.9.4.3.6\* Removal of Moisture. ...

13.6.9.4.3.7\* Halogenated Agent. ...

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### **Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)**

13.6.9.4.3.8 Halogenated Agent Re-Use.

13.6.9.4.3.8.1 The removal of Halon 1211 from fire extinguishers shall be ...

13.6.9.4.3.8.2 The removal of agent from other halogenated agent fire extinguishers shall be ...

13.6.9.4.3.8.3 The fire extinguisher shall be examined internally for contamination or corrosion or both. ...

13.6.9.4.3.8.4 The halogenated agent retained in the system recovery cylinder shall be ...

13.6.9.4.3.8.5 Halogenated agent removed from fire extinguishers that exhibits evidence of internal contamination or corrosion shall be ...

13.6.9.4.3.9.1 The vapor phase of carbon dioxide shall be not less than 99.5 percent carbon dioxide...

13.6.9.4.3.9.2 The water content shall be not more than 60 parts per million (ppm) by weight at -52°F ...

13.6.9.4.3.9.3 Oil content shall not exceed 10 ppm ....

13.6.9.4.3.10\* Water Types. .

13.6.9.4.3.10.1 Only the agent specified on the extinguisher nameplate shall be used for recharge. .

13.6.9.4.3.11.1 Wet chemical and water mist agents shall not be re-used. ...

13.6.9.4.3.11.2 If a wet chemical or water mist extinguisher is partially discharged, all remaining wet chemical or water mist shall be discarded. ...

13.6.9.4.3.11.3 Wet chemical or water mist agent shall be discarded and replaced at the hydrostatic test interval. ...

13.6.9.4.4.1\* Pressure Gauges. ...

13.6.9.4.4.2.1 A rechargeable stored-pressure-type fire extinguisher shall be pressurized only ...

13.6.9.4.4.2.2 An unregulated source of pressure, such as a nitrogen cylinder without a pressure regulator, shall not be used ...

13.6.9.4.4.2.3\* A fire extinguisher shall not be left connected to the regulator ...

13.6.9.4.4.3 Pressurizing Gas. ...

13.6.9.4.4.3.1 Halogenated-type fire extinguishers that require argon shall be ...

13.6.9.4.4.3.2 Compressed air through moisture traps shall not be used ...

13.6.9.4.4.3.3 Compressed air shall be permitted to be used from special compressor systems capable ...

13.6.9.4.4.3.4 The special compressor system shall be equipped with an automatic monitoring and alarm system to ensure ...

13.6.9.4.4.3.5\* Class D, wet chemical, water mist, and halocarbon fire extinguishers shall be repressurized ...

13.6.9.4.4.3.6 Compressed air without moisture removal devices shall be permitted ...

13.6.9.4.5.1 Each fire extinguisher shall have a tag or label attached that indicates the month and year recharging was performed, ...

13.6.9.4.5.2 A verification-of-service (maintenance or recharging) collar in accordance with...

13.6.9.3.3.2 shall also be attached to the extinguisher.

13.6.9.4.5.2.1 Liquefied gas, halogenated agent, and carbon dioxide extinguishers that have been recharged without valve removal ...

13.6.9.4.5.2.2 Cartridge- and cylinder-operated extinguishers shall not be required to have a verification-of-service collar installed. ...

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**Regulation: 527 CMR 10.02(1), 527 CMR 1.06(2)13.6.10**

For hydrostatic testing of portable fire extinguishers, see Chapter 8 of NFPA 10.

13.6.11.1 Fails Test or Examination. ...

13.6.11.1.1 When a cylinder is required to be condemned, the retester shall notify the ...

13.6.11.1.2 A condemned cylinder shall not be repaired. ...

13.6.11.2.1 Condemned cylinders shall be stamped “CONDEMNED” ...

13.6.11.2.2 No person shall remove or obliterate the “CONDEMNED” marking. ...

13.6.11.2.3 Minimum letter height shall be 1/8 in. ...

**Regulation: 527 CMR 24.04 but there are no requirements for heat or CO.**

13.7 Smoke, Heat and Carbon Monoxide, Protection Systems.

....

**Regulation: 527 CMR 24**

13.7.2 Smoke Detection.

13.7.2.1 General. ...

**Regulation: 527 CMR 24**

13.7.2.1.1 All batteries for smoke alarms shall be replaced based on its listing or an annual basis by the owner, landlord or superintendent.

13.7.2.1.2 Low voltage system batteries for smoke detectors shall be maintained in accordance ...

13.7.2.1.3 No person shall shut off, disconnect, obstruct, remove, and/or modify a fire protection system or carbon monoxide protection without first procuring a written permit ...

13.7.2.1.4 The AHJ shall be notified when any fire protection system is out of service and on restoration of service.

13.7.2.1.5 Unless otherwise recommended by the manufacture’s published instructions, single- and multiple-station smoke alarms installed in one and two family dwellings shall be replaced when they fail to respond to operability tests but shall not remain in service longer than 10-years from the date of manufacture. ...

13.7.2.1.6 Where a new smoke alarm and detector is installed or the existing smoke alarm and detector is replaced, ...

**Regulation: 527 CMR 31 and 527 CMR 10.03(15) for technical options.**

13.7.3 Permits. Permit where required, shall comply with Section 1.12.

13.7.3.1 For installations described in section 13.7 governed by permits issued, the applicable code shall be determined based on the date of issuance stated on the permit.

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**Regulation: See various MGL's as provided above.**

13.7.4 Massachusetts General Laws.

13.7.4.1 All one and two family dwellings that provide living and sleeping, that were built before 1975, occupied in whole or in part for residential purposes and not regulated by MGL. c.148, s. 26A or 26B ....

13.7.4.2 All Buildings or structures built before 1975 occupied in whole or in part for residential purposes and containing not less than three and not more than five units and not regulated by MGL. c.148, s. 26A or 26B or 26C ...

13.7.4.3 In accordance with MGL c.148 .26C, apartment houses containing six or more dwelling units, hotels, boarding or lodging houses, or family hotels which are not regulated by Section 26 A or 26 B shall comply with MGL c. 148, section 26C.

13.7.4.4 For buildings with six or more dwelling units built prior to 1975 ...

13.7.4.5 In accordance with MGL c.148 s. 26C, work completed after August 1, 2010 and without quick response automatic sprinklers, and pre-1975 construction without such approved detection, ...

13.7.4.6 In accordance with MGL c.148 s. 26E, certain residential buildings built prior to 1975 smoke detection protection for one and two family dwellings ...

13.7.4.7 In accordance with MGL c.148 s. 26F, buildings or structures occupied in whole or in part for residential purposes and not regulated by Sections twenty-six A, twenty-six B or twenty-six C of said Chapter shall, upon the sale or transfer ...

13.7.4.8 In accordance with MGL 148 s. 26E and 26F, residential buildings or structures containing more than three and less than six dwelling units ...

13.7.4.9 See section MGL c.148 s. 27A for out of service fire protection system or carbon monoxide protection.

**Regulation: 527 CMR 24.05**

13.7.5 Smoke and Heat Detection Installation Provisions.

13.7.5.1 Owners of buildings or structures shall install either a monitored battery powered smoke detector and alarm, or a primary power smoke alarm, or smoke ...

13.7.5.2 Smoke and heat detection shall be installed in accordance with *Table 13.7.A*.

**Regulation: 527 CMR 31; 32**

13.7.5.4 Household Fire Warning Equipment. For three and less than six dwelling units built before 1975 ...

**Regulation: 527 CMR 24; 32** 13.7.5.4.1 The Head of the Fire Department may require the installation and interconnection of heat detectors in unheated open rear porches and stairways. ...

**Regulation: 527 CMR 31**

13.7.6 Carbon Monoxide Detection.

13.7.6.1 General. ...

13.7.6.1.2 Every owner, superintendent, or landlord shall, at a minimum, maintain, test, repair, or replace, if necessary, every carbon monoxide alarm ...

13.7.6.1.3 Annually, the owner, superintendent or landlord of every structure shall submit to the Head of the Fire Department an updated emergency plan, ....

13.7.6.1.4 All shall common areas shall be inspected annually.

13.7.6.1.5 All carbon monoxide alarm batteries shall be replaced, in accordance with its listing or on an annual basis by the owner, landlord or superintendent.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 31**

13.7.6.1.6 Low voltage system batteries for carbon monoxide detectors shall be maintained ...

13.7.6.1.7 Unless otherwise recommended by the manufacture's published instructions, single- and multiple-station carbon monoxide alarms installed in one and two family dwellings shall be made operable when they fail to respond to the manufacturer's operability tests. ...

13.7.6.1.8 Combination smoke/carbon monoxide alarms shall be replaced when the end of life signal activates or 10 years from the date of manufacture, which ever come first.

## **Regulation: CMR 31.03(3)**

13.7.6.1.9 Every owner, superintendent, or landlord having control of any dwelling unit inhabited by a person who is hearing impaired, shall ...

## **Regulation: 527 CMR 31.**

13.7.6.1.10 The owner, superintendent or landlord of every structure that employs carbon monoxide alarm protection by utilizing one or more of the carbon monoxide protection technical options listed in Section 13.7.7 or 13.7.6.5.1.1 Voice and Annunciators(4) shall prepare a written emergency plan ...

## **Regulation: CMR 31.03(3)**

13.7.6.2.1.1 For buildings or structures constructed, renovated or subject to a change in use for which building permits have been issued on or after March 31, 2006, shall...

## **Regulation: 527 CMR 31.02**

13.7.6.4 CO Installation Provisions.

13.7.6.4.1 Terms. The terms used in this Chapter shall have the meanings respectively assigned to them unless stated otherwise:

13.7.6.4.1.1 Adjacent Spaces.

13.7.6.4.1.2 Centralized Fossil Fuel Burning Equipment.

13.7.6.4.1.3 Combination Device.

13.7.6.4.1.4 Daycare Facility.

13.7.6.4.1.5 Dwelling Unit.

13.7.6.4.1.6 Enclosed Parking.

13.7.6.4.1.7 Fossil Fuel Burning Equipment.

13.7.6.4.1.8 Habitable.

13.7.6.4.1.9 Intermittent Ignition Device.

13.7.6.4.1.10 Institutional Structures.

13.7.6.4.1.11 Residential Structures.

13.7.6.4.1.12 Roof Mounted Fossil Fuel Burning Equipment.

13.7.6.4.1.13 Transient Residential Structures.

13.7.6.4.2 Carbon Monoxide Installation.

13.7.6.5.1 Voice and Annunciators.

13.7.6.5.1.1 Where smoke and carbon monoxide technologies are required to be installed such protection may be accomplished

## **Regulation: 527 CMR 31.05**

13.7.7 Technical Options.

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**Regulation: CMR 527 section 1.06(2).**

13.7.8 Inspection, Testing, and Maintenance.

13.7.8.1 The inspection, testing, and maintenance for fire alarm and fire detection systems shall be in accordance with Chapter 10 of *NFPA 72*.

**Regulation: CMR 527 section 1.06(2)**

13.7.8.2 Fire alarm systems required by the building code shall be monitored. *Exception:*

**Regulation: 527 CMR 40.**

13.7.9 Fire department inlet connections shall be fitted with check valves, ball drip valves and plugs with chains or frangible caps.

**Regulation: 527 CMR section 10.03; 10.14(1)(c)** 14.1 Application. Means of egress in existing buildings shall comply with this *Code* and the building code.

**Regulation: CMR 527 section 1.06(2).**

14.2 Exit Access Corridors. Corridors used as exit access shall be separated from other parts of the building in accordance with the building code.

14.3.1 Where the building code requires an exit to be separated from other parts of the building, the separating construction shall meet the requirements of the building code.

**Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13)**

14.3.2 An exit enclosure shall provide a continuous protected path of travel to an exit discharge. ...

14.3.3\* An exit enclosure shall not be used for any purpose that has the potential to interfere with its use as an exit and, if so designated, as an area of refuge. (*See also 14.6.3.*)  
[101:7.1.3.2.3]

14.4.1\* General. Means of egress shall be continuously maintained free of all obstructions or impediments to full instant use in the case of fire or other emergency. ...

**Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13), 527 CMR 10.09(5)(b)&(c)**

14.4.2.1 No furnishings, decorations, or other objects shall obstruct exits or their access thereto, egress therefrom, or visibility thereof. ...

**Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13), 527 CMR 10.17(4)**

14.4.2.2 No obstruction by railings, barriers, or gates shall divide the means of egress ...

**Regulation: 527 CMR 10.03.**

14.4.3 Impediments to Egress. .

14.4.4 Exterior egress. .

**Regulation: 527 CMR 10.**

14.5.1.1\* Swinging-Type Door Assembly Requirement. ...

14.5.1.2 Door Leaf Swing Direction.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 10.17(4)**

14.5.1.5.1 The forces required to fully open any door leaf manually in a means of egress shall be in accordance with the building code.

14.5.2.1 Door leaves shall be arranged to be opened readily from the egress side whenever the building is occupied.

14.5.2.3 Locks, if provided, shall not require the use of a key, a tool, or special knowledge or effort for operation from the egress side.

14.5.2.5.1 Exterior door assemblies shall be permitted to have key-operated locks from the egress side, provided that all of the following criteria are met:

14.5.2.10\* A latch or other fastening device on a door leaf shall be provided with a releasing device that has an obvious method of operation and that is readily operated under all lighting conditions.

## **Regulation: 527 CMR 10.17(4)(c).**

14.5.2.11 (2) Flush bolts shall not be used.

14.5.3.2\* Access-Controlled Egress Door Assemblies.

14.5.3.1.1(3) \* An irreversible process shall release the lock within 15 seconds, or 30 seconds where approved by the AHJ,...

## **Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13)**

14.6.3.1 Open space within the exit enclosure shall not be used for any purpose that has the potential to interfere with egress.

## **Regulation: 527 CMR 10.**

14.8.1.3 Occupant Load

## **Regulation: CMR 527 section 10.13(2) for an assembly use group**

14.8.1.3.2 The AHJ shall be permitted to require an approved aisle, seating, or fixed equipment diagram to substantiate any occupant load ...

## **Regulation: 527 CMR 10.**

14.8.2.1 The width of means of egress shall be in accordance with the building code.

## **Regulation: 527 CMR 10.17(4)(c) for assembly.**

14.8.3.4.1 The width of any means of egress shall be in accordance with the building code and not less than 36 in. (915 mm).

## **Regulation: 527 CMR 10.17(4)(c), 527 CMR 10.25(3)**

14.8.3.4.1.2 In existing buildings, the width of exit access shall be permitted to be not less than 28 in. (710 mm).

## **Regulation: 527 CMR 10.03(13), 527 CMR 10.03(1), 527 CMR 10.17(4)**

14.10.1.1 Exits shall be located and exit access shall be arranged so that exits are readily accessible at all times.

## **Regulation: CMR 527 10.03**

14.10.1.1.1\* Where exits are not immediately accessible from an open floor area, continuous passageways, aisles, or corridors leading directly to every exit shall be maintained.

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**Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13), 527 10.17(4)**

14.10.2 Impediments to Egress. See also 7.1.9 of NFPA 101, and 14.5.2. ...

**Regulation: 527 CMR 10**

14.10.2.2.1 Hangings or draperies shall not be placed over exit doors or located so that they conceal or obscure any exit.

**Regulation: 527 CMR 10.17(4)(E)**

14.11.1\* Exit Termination. Exits shall terminate directly, at a public way.

14.12.1.1\* Illumination of means of egress shall be provided ...

14.12.1.2 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use as required by the building code.

14.12.1.2.1 Artificial lighting shall be employed at such locations ...

14.12.2.1\* Illumination of means of egress shall be from a source considered reliable by the building code.

14.12.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. ....

14.13.1.1\* Emergency lighting for means of egress shall be in accordance with the building code.

**Regulation: 527 CMR 27**

14.13.1.3 Where maintenance of emergency illumination depends on changing from one energy source to another, a delay of not more than 10 seconds shall be permitted.

**Regulation: 527 CMR 10.3; 12**

14.13.2.1 Required emergency lighting systems shall be tested in accordance with the manufacturer's instructions.

**Regulation: 527 CMR 10.3**

14.13.2.1.1 Written records of tests shall be kept by the owner for inspection by the AHJ.

**Regulation: 527 CMR 10**

14.14.1.1 Where Required. Means of egress shall be marked in accordance with the building code.

**Regulation: 527 CMR 10.17(4)(E)**

14.14.5.1\* General.

**Regulation: 527 CMR 10.03(13)(C)**

14.15.1 Emergency escape and rescue openings shall comply with the building code.

14.15.2 Where approved the emergency escape and rescue openings, security bars, grates, grilles, or similar devices shall be equipped ...

**Regulation: 527 CMR 10.03(13)(2)**

14.16 Exterior egress. ....

**Regulation: 527 CMR 104**

16.1.1.1 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(1), 527 CMR 10.03(13)**

16.1.3\* In buildings under construction, adequate escape facilities shall be maintained ...



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**Regulation: 527 CMR 10.03(10), 527 CMR 25.00**

16.1.4 Fire department access roads provided in accordance with 18.2.3 shall be provided ...

**Regulation: 527 CMR 10.03(10)(c)**

16.1.5 Permanent fire department access road markings shall not be required until the building is complete or occupied for use.

**Regulation: 527 CMR 20.00**

16.2 Processes and Hazards.

16.2.1 Temporary Heating Equipment.

16.2.1.1 Temporary heating equipment shall be listed and shall be installed, used, and maintained in accordance with the manufacturer's instructions. ...

**Regulation: 527 CMR 4.04(9)(b)**

16.2.1.2 Chimney or vent connectors, where required from direct-fired heaters, shall be maintained at least 18 in. (460 mm) from combustibles and shall be installed in accordance with ...

**Regulation: 527 CMR 4.00, 527 CMR 20.00**

16.2.1.3 Oil-fired heaters shall comply in design and installation features with Section 11.5.

**Regulation: 527 CMR 6.00, 527 CMR 20.01(3), 527 CMR 20.02(2)**

16.2.1.4 Fuel supplies for liquefied petroleum gas-fired heaters shall comply ...

**Regulation: 527 CMR 20.00 (does not specifically address refueling operations), 527 CMR 20.01(10)**

16.2.1.5\* Refueling operations shall be conducted in an approved manner.

**Regulation: 527 CMR 20.01(8)**

16.2.1.6 Heating devices shall be situated so that they are secured. ...

**Regulation: 527 CMR 20.01(3), 527 CMR 20.01(5), 527 CMR 20.01(7)**

16.2.1.7 Heating devices shall be installed in accordance with their listing, including clearance to combustible material, equipment, or construction. ...

**Regulation: 527 CMR 20.02(7)**

16.2.1.8\* Temporary heating equipment, where utilized, shall be monitored for safe operation and maintained by properly trained personnel. ...

**Regulation: 527 CMR 20.01(5)**

16.2.1.9 Heaters used in the vicinity of tarpaulins, canvas, or similar coverings shall be located a safe distance from coverings and other combustible materials. ...

**Regulation: 527 CMR 20.02(4)**

16.2.1.10 Tests for presence of carbon monoxide shall be made by a qualified person within one hour after ...

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**Regulation: 527 CMR 20.02(3)**

16.2.1.11 Each time a salamander is placed in operation it shall be checked to insure that it is functioning properly and its operation shall be checked periodically thereafter. ...

**Regulation: 527 CMR 20.02(6)**

16.2.1.12 No employee shall be permitted to enter the heated area until notification is given to another person located outside. ...

**Regulation: 527 CMR 20.02(8)**

16.2.1.13 Fresh air shall be supplied in sufficient quantities to maintain the safety of employees. ...

**Regulation: 527 CMR 34.08**

16.2.2.1\* Accumulations of combustible waste material, dust, and debris shall be removed ...

**Regulation: 527 CMR 10.22(4)**

16.2.2.2 Rubbish shall not be burned on the premises without first obtaining a permit from the AHJ. ...

**Regulation: 527 CMR 34.04(2)**

16.2.2.3 Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a listed disposal container. ...

**Regulation: 527 CMR 34.07**

16.2.2.4 Trash chutes, where provided, shall comply with 16.2.2.4.1 through 16.2.2.4.6. ...

**Regulation: 527 CMR 34.00 (does not address a specific safety plan)**

16.2.2.4.1\* A trash chute safety plan shall be submitted to and approved by the AHJ. ...

**Regulation: 527 CMR 9.00, 527 CMR 14.00**

16.2.3 Flammable and Combustible Liquids and Flammable Gases.

16.2.3.1 Storage.

16.2.3.1.1 Storage of flammable and combustible liquids shall be in accordance with Chapter 66, unless otherwise modified by 16.2.3. ...

**Regulation: 527 CMR 10.03(4)**

16.2.3.1.2 Only a one-day supply of heater fuel shall be stored inside ...

16.2.3.1.3 Storage areas shall be kept free of weeds, debris, and combustible materials not necessary to the storage. ...

**Regulation: 527 CMR 10.03(6), 527 CMR 10.07(1), 527 CMR 14.07(4)**

16.2.3.1.4 Open flames and smoking shall not be permitted in flammable and combustible liquids storage areas. ...

**Regulation: 527 CMR 14.07(4), 527 CMR 10.07**

16.2.3.1.5 Such storage areas shall be appropriately posted as “no smoking” areas.

16.2.3.1.6 Storage areas shall be appropriately posted with markings in accordance with NFPA 704...

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**Regulation: 527 CMR 14.00**

16.2.3.2 Handling of Flammable and Combustible Liquids at Point of Final Use.

16.2.3.2.1 Handling of flammable and combustible liquids shall be in accordance with Chapter 66, except ...

**Regulation: 527 CMR 10.04**

16.2.3.2.2 Class I and Class II liquids shall be kept in approved safety containers. ....

16.2.3.2.3 Means shall be provided to dispose of leakage and spills promptly and safely.

**Regulation: 527 CMR 14.04(2)&(8), 527 CMR 5.08(6)(j)**

16.2.3.2.4\* Class I liquids shall be dispensed only where there are no open flames or ...

**Regulation: 527 CMR 14.00**

16.2.3.3 Storage and Handling of Combustible and Flammable Gases.

16.2.3.3.1 Storage and handling of combustible and flammable gases shall be in accordance with NFPA54, ...

**Regulation: 527 CMR 39.04**

16.3.2.4.3 The manager shall be responsible for supervising the permit system for hot work operations.

**Regulation: 527 CMR 1.06(20)**

16.3.2.4.5\* Impairments to the fire protection systems or fire alarm, detection, or communications systems shall be authorized only by the fire prevention program manager.

**Regulation: 527 CMR 1.06(2)**

16.3.2.4.6 Temporary protective coverings used on fire protection devices during renovations, such as painting, shall be removed ...

**Regulation: 527 CMR 10.02**

16.3.6.4 At least one approved fire extinguisher also shall be provided in plain sight on each floor ...

16.3.6.5 Suitable fire extinguishers shall be provided on self propelled equipment. .

**Regulation: 527 CMR 10.03(5)**

16.4.1.1 Accumulations of unnecessary combustible forms or form lumber shall be prohibited.

16.4.1.2 Combustible forms or form lumber shall be brought into the structure only when needed.

16.4.1.3 Combustible forms or form lumber shall be removed from the structure as soon as stripping is complete. ...

**Regulation: 527 CMR 10.02(1)**

16.4.1.5\* During forming and stripping operations, portable fire extinguishers or charged hose lines shall be provided to protect ...

**Regulation: 527 CMR 10.03(13)**

16.4.4.5 All required exit components shall be maintained in accordance with this *Code* as deemed necessary by the AHJ.

**Regulation: 527 CMR 1.06(2)**

16.4.4.6 Fire-resistive assemblies and construction shall be maintained.

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**Regulation: 527 CMR 39.00**

16.5.2 Demolition operations involving the use of cutting and welding shall be done in accordance with Chapter 41.

**Regulation: 527 CMR 10.03(4), 527 CMR 10.22**

16.5.3 Combustible waste material shall not be burned at the demolition site unless ...

**Regulation: 527 CMR 10.03(6), 527 CMR 10.24(2)**

16.6.1 Permits. Permits, where required, shall comply with Section 1.12.

16.6.2 Torch-applied roofing systems shall be installed in accordance with Chapter 9 of NFPA 241...

**Regulation: 527 CMR 10.03(12)**

16.7.1.1 The provisions of Section 16.7 shall apply to any type of equipment including, but not limited to, ...

**Regulation: 527 CMR 10.03(12)(d)**

16.7.1.2 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(12)(c)&(d)**

16.7.1.3 Operating kettles shall not be located inside of or on the roof of any building.

**Regulation: 527 CMR 10.03(12)(e) (not specific)**

16.7.1.4 Tar Kettle Location. ...

16.7.1.5.1 An operating kettle shall be attended by a minimum of one employee who is ...

16.7.1.5.2 The employee shall be within 25 ft ...

**Regulation: 527 CMR 10.03(12)(d)&(e) (current regulation calls for one 20 B:C within 30ft of each kettle, and one additional 20 B:C on roof), 527 CMR 10.02(1)**

16.7.1.6.1 Two approved 4-A:40-B:C fire extinguishers shall be provided and maintained within 25 ft (7.6 m) of the operating kettle.

16.7.1.6.2\* A minimum of one approved 4-A:40-B:C fire extinguisher shall be provided and maintained on the roof in ...

**Regulation: 527 CMR 10.03(12)(d)&(e), 527 CMR 10.02(1)**

16.7.1.6.3 Fire extinguishers shall be mounted in an accessible and visible or identified location.

**Regulation: 527 CMR 10.03(12)(d)&(e) (not specific), 527 10.03(1)**

16.7.1.7.1 Roofing kettles shall not block exits, means of egress, gates, roadways, or entrances.

**Regulation: 527 CMR 10.03(12)(d)&(e) (not specific)**

16.7.1.7.2 Kettles shall not be closer than 10 ft (3 m) from exits or means of egress.

**Regulation: 527 CMR 10.03 (not specific)**

16.7.2.1 Fuel containers shall be constructed and approved for the use for which they were designed.

**Regulation: 527 CMR 10.03(12)(f), 527 CMR 6.00**

16.7.2.2 Liquefied petroleum gas (LP-Gas) containers, hose, regulators, and burners shall conform to the requirements in Chapter 69.

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**Regulation: 527 CMR 10.03(12)(d)&(f), 527 CMR 6.00**

16.7.2.3 LP-Gas cylinders shall be secured to prevent accidental tipover.

**Regulation: 527 CMR 10.03(12)(f), 527 CMR 6.00**

16.7.2.4 Regulators shall be required on any cylinders.

16.7.2.5 Where, in the opinion of the AHJ, physical damage to the container is a danger, protection shall be ...

**Regulation: 527 CMR 10.03(12)(c), 527 CMR 6.00**

16.7.2.6 LP-Gas containers for roofing kettles shall not be used in any building.

**Regulation: 527 CMR 10.03(12) (not specific)**

16.7.3.1 Roofing kettles and all integral working parts shall be in good working condition and shall be maintained ...

16.7.3.2 All piping used for pumping heated material to the roof shall be installed in a manner ...

**Regulation: 527 CMR 10.03(12)(a)&(b)**

16.7.3.3 Flexible steel piping shall not be used on the vertical extension of piping systems.

16.7.3.4 Flexible steel piping shall be limited to those connections ...

16.7.3.5 No single length of flexible piping shall exceed 6 ft ...

16.7.3.6.2 Roofing kettle doors shall be installed in a workmanlike manner and shall ...

16.7.3.6.3 All kettles shall have an approved, working visible temperature gauge ...

16.7.3.7 All kettle doors shall be tightly closed and latched when in transit.

**Regulation: 527 CMR 10.03(12) (not specific)**

16.7.4.1 The materials and methods of construction of roofing kettles shall be acceptable to the AHJ.

16.7.4.2.1 Paragraph 16.7.4.2 shall apply to all roofing kettles or tar pots in excess of 1 gal (3.8 L) capacity.

16.7.4.2.2 No roofing kettle shall have a capacity in excess of 5 barrels (bbl).

16.7.4.2.3 Roofing kettles of 2 bbl capacity or less shall be constructed of steel sheet ...

16.7.4.2.4 Lids that can be gravity operated shall be provided on all roofing kettles. ...

16.7.4.2.5 The chassis shall be substantially constructed and capable of carrying ...

**Regulation: 527 CMR 6.00** 16.7.4.2.6 Fuel containers, burners, and related appurtenances of roofing kettles in which LP-Gas is used for heating shall ...

**Regulation: 527 CMR 10.03(12) (not specific)**

16.7.4.2.7 Fuel containers that operate under air pressure shall not exceed 20 gal (76 L) in capacity and shall be subject to the approval of the AHJ.

16.7.4.2.8 All fuel containers shall be maintained in accordance with applicable NFPA codes and standards or shall be at least 10 ft ...

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## **Regulation: 527 CMR 10.15**

16.9 Floor Finishing or Refinishing.

16.9.1 General.

16.9.2 Flammable Floor Finishing Product.

16.9.3 Fire Safety Requirements.

Sources of Ignition.

Electrical Permit Required.

Warning Signs.

No smoking signs, ...

16.9.3.4 Waste Materials.

## **Regulation: 527 CMR 10.03(10) and 25**

18.1 General.

18.1.1.1 This chapter shall apply to public and privately owned fire apparatus access roads.

## **Regulation: 527 CMR 10.03(10) and 25.03- .07**

18.1.1.3 The fire apparatus access road plans must include an analysis and evaluation of fire apparatus maneuvers ...

18.1.1.4 The fire apparatus access plans shall bear the seal and signature of the ...

## **Regulation: 527 CMR 10.03(10) and 25.00; 780 CMR**

18.1.3.1 Fire Apparatus Access.

## **Regulation: 527 CMR 10.03(15)**

18.1.3.2 Fire Hydrant Systems.

## **Regulation: 527 CMR 10.03(10) and 25.00**

18.2.1 Fire department access and fire department access roads shall be provided and maintained ...

## **Regulation: 527 CMR 10.03(10)**

18.2.2.2 Access to Gated Subdivisions or Developments. ...

## **Regulation: 527 CMR 1.03 and 10**

18.2.2.3 Access Maintenance. ...

## **Regulation: 527 CMR 10.03(10)(a) and 527 CMR 25.03, 25.05, 25.06, 25.07**

18.2.3.1.1 Approved fire department access roads shall be provided for every .

18.2.3.1.2 Fire department access roads shall consist of roadways, fire lanes, parking lot lanes, or a combination thereof.

18.2.3.1.3\* The provisions of 18.2.3.1 through 18.2.3.2.1 shall be permitted to be modified by the AHJ where any of the following conditions exists:

## **Regulation: 527 CMR 10.03(10) and 25.03, 25.05, 25.06, 25.07**

18.2.3.2 Access to Buildings and Facilities

## **Regulation: 527 CMR 10.03(10)(a) and 527 CMR 25.03, 25.05, 25.06, 25.07**

18.2.3.2.1 A fire department access road shall extend to within 50 ft ...

## **Regulation: 527 CMR 10.03(10) and 25.03, 25.05, 25.06, 25.07**

18.2.3.2.1.1 Approval of access roads shall be subject to the AHJ and capable of supporting the imposed loads of fire apparatus and shall ...

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**Regulation: 527 CMR 10.03(10)(a) and 527 CMR 25.03, 25.05, 25.06, 25.07**

18.2.3.2.2 Fire department access roads shall be provided such that any portion of the facility or any portion of an exterior wall of the first story of the building is located not more than ...

18.2.3.2.2.1 When buildings are protected throughout with an approved automatic sprinkler system that is installed in accordance with NFPA 13, ...

**Regulation: 527 CMR 10.03(10) and 25.03, 25.05, 25.06, 25.07**

18.2.3.2.2.2 When buildings are protected throughout with an approved automatic sprinkler system that is installed in accordance with NFPA 13D, or NFPA 13R, ...

**Regulation: 527 CMR 10.03(10)(a)**

18.2.3.3 Multiple Access Roads.

**Regulation: 527 CMR 10.03(10)**

18.2.3.4.1.1 Fire department access roads shall have an unobstructed width of not less than 20 ft ...

**Regulation: 527 CMR 10.03(10)(a) and 527 CMR 25.03, 25.05, 25.06, 25.07**

18.2.3.4.1.2 Fire department access roads shall have an unobstructed vertical clearance of not less than 13 ft 6 in. ...

18.2.3.4.1.2.1 Vertical clearance shall be permitted to be reduced, ...

18.2.3.4.1.2.2 Vertical clearances or widths shall be increased when vertical clearances ...

18.2.3.4.2 Surface. ...

**Regulation: 527 CMR 10.03(10) and 25.03, 25.05, 25.06, 25.07**

18.2.3.4.2.1 Permeable drivable surfaces, that meet loading ...

18.2.3.4.3.1 The minimum inside turning radius of a fire department access road shall be 25'. ...

**Regulation: 527 CMR 10.03(10)(a)**

18.2.3.4.3.2 Turns in fire department access roads shall maintain the minimum road width.

18.2.3.4.4 Dead Ends.

18.2.3.4.5.1 When a bridge is required to be used as part of a fire department access road, it ...

18.2.3.4.5.2 The bridge shall be designed for a live load sufficient to carry the imposed loads of fire apparatus.

18.2.3.4.5.3 Vehicle load limits shall be posted at both entrances to bridges where required by the AHJ.

**Regulation: 527 CMR 10.03(10) and 25.03, 25.05, 25.06, 25.07**

18.2.3.4.6.1 The gradient for a fire department access road shall not exceed 10%, unless approved in writing by the AHJ.

**Regulation: 527 CMR 10.03(10)(a)**

18.2.3.4.6.2\* The angle of approach and departure for any means of fire department access road shall not exceed 1 ft drop in 20 ft ....

18.2.3.4.6.3 Fire department access roads connecting to roadways shall be provided with curb cuts extending at least 2 ft ...

18.2.3.4.7 Traffic Calming Devices..

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**Regulation: 527 CMR 10.03(10) and 25.03, 25.05, 25.06, 25.07**

18.2.3.4.8 Travel in the Opposing Lane.

**Regulation: 527 CMR 10.03(10)(a)**

18.2.3.5.1 Where required by the AHJ, approved signs, approved roadway surface markings, or other approved notices shall be provided and maintained to identify fire department access roads or ...

18.2.3.5.2 A marked fire apparatus access road shall also be known as a fire lane.

**Regulation: 527 CMR 10.03(10)(b) and 527 CMR 25.02, 25.03, 25.05, 25.06, 25.07**

18.2.4\* Obstruction and Control of Fire Department Access Road.

18.2.4.1 General.

18.2.4.1.1 The required width of a fire department access road shall not be obstructed in any manner, including by the parking of vehicles.

18.2.4.1.2 Minimum required widths and clearances established under 18.2.3.4 shall be maintained at all times.

18.2.4.1.3\* Facilities and structures shall be maintained in a manner that does not impair or impede accessibility for fire department operations.

18.2.4.1.4 Entrances to fire department access roads that have been closed with gates and barriers in accordance with

18.2.4.2.1 shall not be obstructed by parked vehicles.

**Regulation: 527 CMR 10.03(10)(a)**

18.2.4.2.1 The AHJ shall be authorized to require the installation and maintenance of gates or other approved barricades across roads, trails, or other accessways not including public streets, alleys, or highways.

**Regulation: 527 CMR 40.00**

18.5.4 Private water supply systems shall be tested and maintained in accordance with NFPA 25.

**Regulation: 527 CMR 10.03(5), 527 CMR 34.00**

19.1.1 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(4), 527 CMR 10.03(5), 527 CMR 34.00**

19.1.2 Persons owning or having control of any property shall not allow any combustible waste material to accumulate in any area or in any manner that creates a fire hazard to life or property.

**Regulation: 527 CMR 10.03(4)&(5), 527 CMR 34.00**

19.1.3 Combustible waste or refuse shall be properly stored or disposed of to prevent unsafe conditions.

**Regulation: 527 CMR 34.00 (not specific)**

19.1.4 Fire extinguishing capabilities approved by the AHJ including, but not limited to, ...

19.1.5 Burning debris shall not be dumped at a waste disposal site except at a remote location on the site where fire extinguishment ...



## Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 34.00, 527 CMR 28.00 (not specific), 527 CMR 10.07**

19.1.7.1 No smoking or open flame shall be permitted in any area where combustible fibers are handled or stored or within 50 ft (15 m) of any uncovered pile of such fibers.

**Regulation: 527 CMR 10.07(7)**

19.1.7.2 “No Smoking” signs shall be posted.

**Regulation: 527 CMR 49.01 (adopts NFPA 505), 527 CMR 10.03(14)**

19.1.8.3 Trucks or automobiles, other than mechanical handling equipment and approved industrial trucks as listed in NFPA 505, ...

**Regulation: 527 CMR 34.05 (not specific)**

19.2.1.1 General. Rubbish containers kept outside of rooms or vaults shall not exceed 40.5 ft<sup>3</sup> (1.15 m<sup>3</sup>) capacity.

19.2.1.1.1 Containers exceeding a capacity of 5 1/3 ft<sup>3</sup> [40 gal (0.15 m<sup>3</sup>)] shall be provided with lids.

19.2.1.1.2 Such containers and lids as described in 19.2.1.1.1 shall be constructed of noncombustible materials or nonmetallic materials complying with 19.2.1.2.

19.2.1.2.1\* Nonmetallic rubbish containers exceeding a capacity of 5 1/3 ft<sup>3</sup>

19.2.1.2.2 Such containers shall be permanently labeled indicating capacity and peak rate of heat release.

**Regulation: 527 CMR 34.08**

19.2.1.3 Removal. Combustible rubbish stored in containers outside of noncombustible vaults or rooms shall be removed from buildings at least once each working day.

**Regulation: 527 CMR 34.00 (not specific)**

19.2.1.4 Rubbish Within Dumpsters.

19.2.1.4.1

19.2.1.4.2 Structures of Types I and II fire-resistive construction

19.2.1.5 Commercial Rubbish-Handling Operations.

**Regulation: 527 CMR 34.04(2)**

19.2.1.6 Approved metal receptacles with self-closing covers shall be provided for the storage or disposal of oil-soaked waste or cloths.

19.3.1 Substance subject to spontaneous heating or ignition, such as oily or greasy rags, or other materials or combinations of materials, shall not be ...

**Regulation: 527 CMR 34.04(1)**

19.3.1.2 Hot coals, cinders, hot scrap metal, and similar substances shall not be deposited in combustible containers, or kept or stored ...

**Regulation: 527 CMR 34.05(4)**

19.4 Containers which require mechanical assistance to be moved, shall be marked with the name and telephone number of the company ...

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**Regulation: 527 CMR 34.06(6)**

19.5 Waste storage rooms shall not contain boilers or furnaces used for the central heating of buildings nor shall rooms with boilers or furnaces be used for waste storage of any kind. See Section 10.5.1

**Regulation: 527 CMR 10.13(2)**

20.1.1 Application.

**Regulation: 527 CMR 1.04**

20.1.1.1 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.17, 527 CMR 21.02(5)**

20.1.2.1 Combustible scenery of cloth, film, vegetation (dry), and similar materials shall comply with one of the following:

**Regulation: 527 CMR 10.17(2), 527 CMR 21.00**

20.1.2.2 Foamed plastics

**Regulation: 527 CMR 10.17(2), 527 CMR 21.00**

20.1.2.3 For new assembly occupancies, scenery and stage properties not separated ...

**Regulation: 527 CMR 21.00, 527 CMR 10.17**

20.1.2.3.1 For existing assembly occupancies, scenery and stage properties on thrust stages shall be of noncombustible materials, ...

**Regulation: 527 CMR 10.17(2), 527 CMR 21.00**

20.1.2.4 In theaters, motion picture theaters, and television stage settings, with or without horizontal projections, and ...

**Regulation: 527 CMR 10.17(4)(e)**

20.1.4.7.1 Exit marking shall be in accordance with Section 14.14. [101:12.4.7.7.1; 101:13.4.7.7.1]

**Regulation: 527 CMR 10.17(4)**

20.1.4.7.3\* In special amusement buildings where mazes, mirrors, or other designs are used ...

**Regulation: 527 CMR 10.13(2)(e)**

20.1.5.1.1 The building owner or agent shall inspect the means of egress to ensure it is maintained free of obstructions, and correct any deficiencies ....

**Regulation: 527 CMR 1.02(6) and 10.03(9)**

20.1.5.1.3 Inspection of Door Openings. ...

**Regulation: 527 CMR 10.03(6), 527 CMR 11.00**

20.1.5.2 Special Provisions for Food Service Operations.

20.1.5.2.1

20.1.5.2.2 All devices in connection with the preparation of food shall be of an approved type and shall be installed ...

20.1.5.2.3 Food preparation facilities shall be protected in accordance with Chapter 50 (NFPA 96) and ...

20.1.5.2.4 Portable cooking equipment that is not flue connected shall be permitted only as follows:.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 1.04**

20.1.5.2.4.1 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 2.09, 527 CMR 10.03(6) (Open flame devices)**

20.1.5.3 Open Flame Devices and Pyrotechnics.

**Regulation: 527 CMR 2.09(4)**

20.1.5.3.1 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 21.00, 527 CMR 10.17(2)**

20.1.5.4.1 Fabrics and films used for decorative purposes, all draperies and curtains, and similar furnishings shall be ...

**Regulation: 527 CMR 21.00, 527 CMR 10.17(2), 527 CMR 1.06**

20.1.5.4.2 The AHJ shall impose controls on the quantity and arrangement of combustible contents in assembly ...

**Regulation: 527 CMR 21.00, 527 CMR 10.17(2)**

20.1.5.4.3\* Exposed foamed plastic materials and unprotected materials containing foamed plastic used for decorative purposes ...

20.1.5.4.4 The requirement of 20.1.5.4.3 shall not apply to individual foamed plastic items and items containing foamed plastic ...

20.1.5.5.4.5 Curtains, drapes, and decorations shall comply with 12.6.2. [101:12.7.5.3.5; 101:13.7.5.3.5]

20.1.5.5.4.6 Acoustical and decorative material including, but not limited to, cotton, hay, paper, straw, moss, split bamboo, and wood chips shall ...

20.1.5.5.4.6.1 Materials that cannot be treated for flame retardancy shall not be used. ...

20.1.5.5.4.6.2 Foamed plastics, and materials containing foamed plastics and used as decorative objects ...

20.1.5.5.4.6.3 Where the aggregate area of acoustical and decorative materials is less than 10 percent of the individual floor or wall area, ...

**Regulation: 527 CMR 10.03(6)**

20.1.5.5.4.8 Open flame devices within exhibit booths shall comply with 20.1.5.3. [101:12.7.5.3.8; 101:13.7.5.3.8]

**Regulation: 527 CMR 10.03(6), 527 CMR 11.00, 527 CMR 10.02, 527 CMR 6.00**

20.1.5.5.4.9 Cooking and food-warming devices in exhibit booths shall comply with ...

**Regulation: 527 CMR 10.03(5)**

20.1.5.5.4.10 Combustible materials within exhibit booths shall be limited to a one-day supply. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.13(2)(d)**

20.1.5.6\* Crowd Managers.

20.1.5.6.1 A nightclub, dance hall, discotheque or bar ....

**Regulation: 527 CMR 10.13(2)(c)**

20.1.5.6.1.1 A nightclub, dance hall, discotheque or bar shall be defined as:

**Regulation: 527 CMR 10.13(2)(d)(3)(c)**

20.1.5.6.1.2 A crowd manager is not required for:

**Regulation: 527 CMR 10.13(d)(5)**

20.1.5.6.2 The crowd manager shall receive training, ...

**Regulation: 527 CMR 10.13(d)(4)**

20.1.5.6.3 A crowd manager shall be at least 21 years of age, shall be the owner or operator of the business ...

**Regulation: 527 CMR 10.13(2)(e)**

20.1.5.6.4 Fire and Building Safety Checklist.

**Regulation: 527 CMR 10.13 (2) (Places of Assembly)**

20.1.5.8\* Drills.

20.1.5.8.1

**Regulation: 527 CMR 10.13(2)(c)**

20.1.5.8.3\* In the following assembly occupancies, an audible announcement shall be made,

**Regulation: 527 CMR 10.13(2)**

20.1.5.8.4 The requirement of 20.1.5.8.3 shall not apply to assembly occupancies in schools ...

**Regulation: 527 CMR 10.07**

20.1.5.9.1 Smoking in assembly occupancies shall be regulated by the AHJ.

**Regulation: 527 CMR 10.07(7)**

20.1.5.9.2 In rooms or areas where smoking is prohibited, plainly visible signs shall be posted that read as follows:  
NO SMOKING

**Regulation: 527 CMR 10.07**

20.1.5.9.3 No person shall smoke in prohibited areas that are so posted, unless permitted by the AHJ under both of the following conditions:

**Regulation: 527 CMR 10.07(6)**

20.1.5.9.4 Where smoking is permitted, suitable ashtrays or receptacles shall be provided in convenient locations.

**Regulation: 527 CMR 10.17(1)(c)**

20.1.5.10.3.1 Every room constituting an assembly occupancy and not having fixed seats shall have the occupant load of ...

**Regulation: 527 CMR 10.17(1)**

20.1.5.10.3.2 Approved signs shall be maintained in a legible manner by the owner or authorized agent. ...

20.1.5.10.3.3 Signs shall be durable and shall indicate the number of occupants permitted for each room use.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.09**

20.2.1 Application. New and existing educational occupancies shall comply with Section 20.2.

**Regulation: 527 CMR 10.09(1)**

20.2.4.1 Emergency Plan.

20.2.4.2.1\* Emergency egress drills shall be conducted in accordance with the applicable provisions of 20.2.4.2.

20.2.4.2.1.1 The responsible school official in charge of the school or the school system shall formulate a plan ...

20.2.4.2.1.2 The responsible school official in charge of the school or the school system of each school ...

**Regulation: 527 CMR 10.09(3)**

20.2.4.2.1.3 Every student in all schools shall be advised of the fire drill procedure or shall take part in a fire drill ...

**Regulation: 527 CMR 10.09(4)**

20.2.4.2.1.4 The Head of the Fire Department, or person designated by him, shall visit each school at least four times each year ...

**Regulation: 527 CMR 10.09(4)(a)**

20.2.4.2.1.5 Records. A record of all fire exit drills shall be kept on the premises and persons in charge of such occupancies shall file written reports at least twice a year ...

20.2.4.2.1.6 Evacuation. Fire exit drills shall include complete evacuation of all persons from the building.

**Regulation: 527 CMR 10.09(4)(b)**

20.2.4.2.1.7 A drill of the multi-hazard evacuation plan required by the provisions of St. 2000, c. 159, § 363 ...

**Regulation: 527 CMR 10.09**

20.2.4.3.1\* It shall be the duty of principals, teachers, or staff to inspect all exit facilities daily to ensure that all stairways, ...

**Regulation: 527 CMR 21.00, 527 CMR 10.09(5)**

20.2.4.4.1 Draperies, curtains, and other similar furnishings and decorations in educational occupancies shall be in accordance ...

**Regulation: 527 CMR 29**

20.2.4.4.2 Upholstered and molded plastic seating furniture shall be tested in accordance with the provisions of 12.6.3.

**Regulation: 527 CMR 10.09(5)**

20.2.4.4.3 Paper materials displayed in educational use occupancies shall be permitted on walls only in accordance with the following.

**Regulation: 527 CMR 10.09(5)(b)**

20.2.4.4.4 Exit Access Passageways, Assembly Areas and Corridors shall be permitted on walls only in accordance with the following:

**Regulation: 527 CMR 10.09(5)(c)**

20.2.4.4.5 Exits and Enclosed Exit Stairs. Displayed paper materials shall not be permitted in exits and enclosed exit stairs.

**Regulation: 527 CMR 10.09(5)(d)**

20.2.4.4.6 This Section shall not prohibit the posting of exit signage or evacuation plans in accordance with this code.

## Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.09(5)(e)**

20.2.4.4.7 The provisions of 20.2.4.4.3 shall not be applicable to any election materials required by law to be posted during any local, state or federal election.

**Regulation: 527 CMR 30.04**

20.2.4.5 Fuel-Fired Heaters.

**Regulation: 527 CMR 30.04(1)**

20.2.4.5.1 Permit. Permit, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.09; 31**

20.3.1 Application.

20.3.2.1 Fuel-Fired Heaters.

**Regulation: 527 CMR 30.04(4)**

**Regulation: 527 CMR 30.04(1)**

20.3.2.1.1 Permit. Permit, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.08**

20.4.1 Application..

**Regulation: 527 CMR 10.13(4)**

20.4.2.1.1 The administration of every health care occupancy shall have, in effect and available to all supervisory personnel, written copies of a plan ...

**Regulation: 527 CMR 10.13(4)(e)**

20.4.2.1.2 All employees shall be periodically instructed and kept informed with respect ...

**Regulation: 527 CMR 10.13(4)(a)**

20.4.2.1.3 A copy of the plan required by 20.4.2.1.1 shall be readily available at all times in the telephone operator's ...

**Regulation: 527 CMR 10.13(4)**

20.4.2.1.4 The provisions of Section 10.6 and 20.4.2.1.2 through 20.4.2.2.3 shall apply.

**Regulation: 527 CMR 10.13(4)(c)**

20.4.2.1.5\* Fire drills in health care occupancies shall include the transmission of a fire alarm signal and simulation of emergency fire conditions.

20.4.2.1.6 Infirm or bedridden patients shall not be required to be moved during drills to safe areas or to the exterior of the building.

20.4.2.1.7 Drills shall be conducted quarterly on each shift to familiarize facility personnel (nurses, interns, maintenance engineers, and administrative staff) ...

20.4.2.1.8 When drills are conducted between 9:00 p.m. (2100 hours) and 6:00 a.m. ...

**Regulation: 527 CMR 10.13(4)(e)**

20.4.2.1.9 Employees of health care occupancies shall be instructed in life safety procedures and devices. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.13(4)**

20.4.2.2 Procedure in Case of Fire.

20.4.2.2.1\* Protection of Patients.

20.4.2.2.1.1 For health care occupancies, the proper protection of patients shall require ...

20.4.2.2.2 Fire Safety Plan.

**Regulation: 527 CMR 10.13(4)(e)**

20.4.2.2.3.1 All health care occupancy personnel shall be instructed in the use of and response to fire alarms. ...

**Regulation: 527 CMR 10.13(4) (not specific)**

20.4.2.2.3.2 All health care occupancy personnel shall be instructed in the use of the code phrase to ensure transmission of an alarm under the following conditions:

20.4.2.2.3.3 Personnel hearing the code announced shall first activate the building fire alarm using ...

**Regulation: 527 CMR 1.06(2), 527 CMR 10.03(13)**

20.4.2.3 Maintenance of Means of Egress.

20.4.2.3.1 Proper maintenance shall be provided to ensure the dependability of the method of evacuation selected.

**Regulation: 527 CMR 10.07**

20.4.2.4\* Smoking.

**Regulation: 527 CMR 21.00, 527 CMR 29.00**

20.4.2.5.1\* Draperies, curtains, and other loosely hanging fabrics and films serving as furnishings or decorations in health care occupancies shall be in accordance ...

**Regulation: 527 CMR 29.00**

20.4.2.5.2 Newly introduced upholstered furniture within health care occupancies shall comply with one of the following provisions:

20.4.2.5.3 The requirements of 20.4.2.5.2, 12.6.3.1, and 12.6.3.2.1 of NFPA *101* shall not apply to upholstered furniture belonging to the patient in sleeping rooms

**Regulation: 527 CMR 10.08(2) (see mattresses provisions and CPSC requirements)**

20.4.2.5.4 Newly introduced mattresses within health care occupancies shall ...

20.4.2.5.5 The requirements of 12.6.3.2, 12.6.3.2.2, and 20.4.2.5.4 of NFPA *101* shall not apply to mattresses belonging to the patient in sleeping rooms of existing nursing homes where the following criteria are met:

**Regulation: 527 CMR 21.00**

20.4.2.5.6 Combustible decorations shall be prohibited in any health care occupancy, unless one of the following criteria is met:

**Regulation: 527 CMR 30.00**

20.4.2.6 Portable Space-Heating Devices.

**Regulation: 527 CMR 10.08; .11**

20.5.1 Application.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.08(1), 527 CMR 10.11(1), 527 CMR 10.13**

20.5.2.1.1 The administration of every residential board and care facility shall have,

20.5.2.1.2 The emergency plan shall include special staff response, including ...

20.5.2.1.3 All employees shall be periodically instructed and kept informed with respect to their duties and responsibilities under the plan, and ...

**Regulation: 527 CMR 10.13**

20.5.2.2 Resident Training.

20.5.2.2.1 All residents participating in the emergency plan shall be trained in ...

**Regulation: 527 CMR 10.13**

20.5.2.2.2 The training required by 20.5.2.2.1 shall include actions to be taken if the primary escape route is blocked. [101:32.7.2.2; 101:33.7.2.2]

20.5.2.2.3 If a resident is given rehabilitation or habilitation training, training in fire prevention and the actions to be taken in the event of a fire shall be a part of the training program...

20.5.2.2.4 Residents shall be trained to assist each other in case of fire to the extent that their physical and mental abilities permit them to do so without additional personal risk...

20.5.2.3 Emergency Egress and Relocation Drills. Emergency egress and relocation drills shall be conducted in accordance ...

20.5.2.3.1 Emergency egress and relocation drills shall be conducted not less than six times per year on a bimonthly ...

20.5.2.3.2 The emergency drills shall be permitted to be announced to the residents in advance. ...

**Regulation: 527 CMR 10.13**

20.5.2.3.3 The drills shall involve the actual evacuation of all residents to an assembly point, as specified in the emergency plan, and shall provide residents with ...

20.5.2.3.4 Exits and means of escape not used in any drill shall not be credited in meeting the requirements of this *Code* for board and care facilities. ...

20.5.2.3.5 Actual exiting from windows shall not be required to comply with 20.5.2.3; opening the window and signaling for help shall be an acceptable alternative.

20.5.2.3.6 Residents who cannot meaningfully assist in their own evacuation or who have special health problems shall not be required to actively participate in the drill. ...

**Regulation: 527 CMR 10.07**

20.5.2.4.1\* Smoking regulations shall be adopted by the administration of board and care occupancies.

20.5.2.4.2 Where smoking is permitted, noncombustible safety-type ashtrays or receptacles shall be provided in convenient locations.

**Regulation: 527 CMR 21.00, 527 CMR 10.08(2), 527 CMR 29.00**

20.5.2.5.1 New draperies, curtains, and other similar loosely hanging furnishings and decorations in board and care facilities shall comply with 20.5.2.5.1.1 and 20.5.2.5.1.2.



# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 21.00**

20.5.2.5.1.1 New draperies, curtains, and other similar loosely hanging furnishings and decorations in board and care facilities shall be in accordance with the provisions of 12.6.2, unless ...

20.5.2.5.1.2 In other than common areas, new draperies, curtains, and other similar loosely hanging furnishings and decorations shall not be required to comply ...

## **Regulation: 527 CMR 29.00**

20.5.2.5.2\* New upholstered furniture within board and care facilities shall comply with 20.5.2.5.2.1 or 20.5.2.5.2.2.

20.5.2.5.2.1 New upholstered furniture shall be tested in accordance with the provisions of 12.6.3.1(1) and 12.6.3.2.1.

20.5.2.5.2.2 Upholstered furniture belonging to residents in sleeping rooms shall not be required to be tested, provided that a smoke alarm is installed in such rooms; ...

## **Regulation: 527 CMR 29.00, 527 CMR 10.08(2)**

20.5.2.5.2.3\* Newly introduced mattresses within board and care facilities shall comply with 20.5.2.5.2.3.1 or 20.5.2.5.2.3.2.

20.5.2.5.2.3.1 Newly introduced mattresses shall be tested in accordance with the provisions of 12.6.3.2 and 12.6.3.2.2.

20.5.2.5.2.3.2 Mattresses belonging to residents in sleeping rooms shall not be required to be tested, provided that a smoke alarm is installed in such rooms; ...

## **Regulation: 527 CMR 1.06(2), 527 CMR 10.03(13), 527 CMR 10.03(7)**

20.5.2.5.3 No stove or combustion heater shall be located to block escape in case of fire caused by the malfunction of the stove or heater.

## **Regulation: 527 CMR 30.00**

20.5.2.5.4 Unvented fuel-fired heaters shall not be used in any residential board and care facility.

## **Regulation: 527 CMR 10.08**

20.6.1 Application. New and existing ambulatory health care centers shall comply with Section 20.6.

## **Regulation: 527 CMR 10.08(1) (hospitals), 527 CMR 10.13(4)**

20.6.2.1 Evacuation and Relocation Plan and Fire Drills.

20.6.2.1.1 The administration of every ambulatory health care facility shall have, ...

## **Regulation: 527 CMR 10.08(1) (hospitals), 527 CMR 10.13(4)**

20.6.2.1.1.1 All employees shall be periodically instructed and kept informed with respect to their duties under the plan required ...

## **Regulation: 527 CMR 10.13(4) (hospitals)**

20.6.2.1.1.2 A copy of the plan required by 20.6.2.1.1 shall be readily available at all times in the telephone operator's location or at the security center. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.13(4)(c) (hospitals)**

20.6.2.1.1.3 The provisions of Section 10.6 and 20.6.2.1.2 through 20.6.2.2.3 shall apply.

20.6.2.1.2\* Fire drills in ambulatory health care facilities shall include the transmission of a fire alarm signal and simulation of emergency fire conditions. ...

20.6.2.1.2.1 Patients shall not be required to be moved during drills to safe areas or to the exterior of the building. ...

**Regulation: 527 CMR 10.13(4)(c) (hospitals), 527 CMR 10.08(1) (hospitals)**

20.6.2.1.2.2 Drills shall be conducted quarterly on each shift to familiarize facility personnel (nurses, interns, maintenance engineers, and administrative staff) with the signals and emergency action required under varied conditions. ...

20.6.2.1.3 Employees of ambulatory health care facilities shall be instructed in life safety procedures and devices. ...

**Regulation: 527 CMR 10.13(4)(e) (hospitals), 527 CMR 10.08(1)(a) (hospitals)**

20.6.2.2.3 Staff Response.

20.6.2.2.3.1 All personnel shall be instructed in the use of and response to fire alarms. ...

**Regulation: 527 CMR 10.03(13)**

20.6.2.3 Maintenance of Exits.

20.6.2.3.1 Proper maintenance shall be provided to ensure the dependability of the method of evacuation selected.. .

**Regulation: 527 CMR 10.13(4)(e) (hospitals), 527 CMR 10.08(1) (hospitals)**

20.6.2.1.3 Employees of ambulatory health care facilities shall be instructed in life safety procedures and devices.

20.6.2.2.3.1 All personnel shall be instructed in the use of and response to fire alarms.

**Regulation: 527 CMR 10.03(13)**

20.6.2.3.1 Proper maintenance shall be provided to ensure the dependability of the method of evacuation selected.

**Regulation: 527 CMR 10.07**

20.6.2.4\* Smoking.

**Regulation: 527 CMR 10.08(2) (mattress pads), 527 CMR 21.00**

20.6.2.5.1\* Draperies, curtains, and other loosely hanging fabrics and films serving as furnishings or decorations in ambulatory health care occupancies shall be in accordance with the provisions of

**Regulation: 527 CMR 29.00**

20.6.2.5.2 Newly introduced upholstered furniture shall comply with 12.6.3.1 and one of the following provisions:

**Regulation: 527 CMR 10.08(2)**

20.6.2.5.3 Newly introduced mattresses shall comply with 12.6.3.2 and one of the following provisions:

**Regulation: 527 CMR 21.00** 20.6.2.5.4 Combustible decorations shall be prohibited, unless one of the following criteria is met:

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.13**

20.7.1 Application. New and existing detention and correctional occupancies shall comply with Section 20.7.  
20.7.2.1.1 Detention and correctional facilities, or those portions of facilities having such occupancy, shall be provided with 24-hour staffing.

**Regulation: 527 CMR 21.00**

20.7.2.4.1 Draperies and curtains, including privacy curtains, in detention and correctional occupancies shall be in accordance with the provisions of 12.6.2. ...

**Regulation: 527 CMR 21.00**

20.7.2.4.4 Combustible decorations shall be prohibited in any detention or correctional occupancy unless flame-retardant. ...

**Regulation: 527 CMR 10.03**

20.8.1 Application. New and existing hotels and dormitories shall comply with Section 20.8.

**Regulation: 527 CMR 21.00**

20.8.2.5.1 New draperies, curtains, and other similar loosely hanging furnishings and decorations shall be flame resistant as demonstrated by testing in accordance with NFPA 701. ...

**Regulation: 527 CMR 29.00**

20.8.2.5.2.1 Newly introduced upholstered furniture shall meet the criteria specified in 12.6.3.1 and 12.6.3.2.2. ...

**Regulation: 527 CMR 21.00 (decorations only)**

20.8.2.5.2.2 Newly introduced mattresses shall meet the criteria specified in 12.6.3.2 and 12.6.3.2.2. ...  
20.8.2.5.3 Furnishings or decorations of an explosive or highly flammable character shall not be used....

**Regulation: 527 CMR 21.02(3)**

20.8.2.5.4 Fire-retardant coatings shall be maintained to retain the effectiveness of the treatment under service conditions encountered in actual use. ...

**Regulation: 527 CMR 30.04**

20.8.2.6 Fuel-Fired Heaters. ...

**Regulation: 527 CMR 30.04(1)**

20.8.2.6.1 Permit. Permit, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.13**

20.9.1 Application. New and existing apartment buildings shall comply with Section 20.9.

**Regulation: 527 CMR 10.11(1)(a)(b)**

20.9.2.1 Emergency Instructions for Residential housing for the Elderly. ...

**Regulation: 527 CMR 30.04**

20.9.2.2 Fuel-Fired Heaters. ...

**Regulation: 527 CMR 30.04(1)**

20.9.2.2.1 Permit. Permit, where required, shall comply with Section 1.12.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 29**

20.9.4 Contents and furnishings in public areas shall comply with Section 12.6.3.

**Regulation: 527 CMR 21.00**

20.9.4.1 Furnishings or decorations of an explosive or highly flammable character shall not be used outside of dwelling units. ...

**Regulation: 527 CMR 21.02(3)**

20.9.4.2 Fire-retardant coatings shall be maintained to retain the effectiveness of the treatment under service conditions encountered in actual use. ...

**Regulation: 527 CMR 10.03(13)**

20.10.1 Application. New and existing lodging or rooming houses shall comply with Section 20.10

**Regulation: 527 CMR 30.04**

20.10.2 Fuel-Fired Heaters. ...

**Regulation: 527 CMR 30.04(1)**

20.10.2.1 Permit. Permit, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 21.00**

20.10.4 Contents and furnishings in public areas shall comply with Section 12.6.

20.10.4.1 Furnishings or decorations of an explosive or highly flammable character shall not be used. ...

**Regulation: 527 CMR 21.02(3)**

20.10.4.2 Fire-retardant coatings shall be maintained to retain the effectiveness of the treatment under service conditions encountered in actual use.

**Regulation: 527 CMR 29.03 and 29.04**

20.11.1 Application. New and existing one- and two-family dwellings shall comply with Section 20.11.

**Regulation: 527 CMR 30.04**

20.11.2 Fuel-Fired Heaters.

**Regulation: 527 CMR 30.04(1)**

20.11.2.1 Permit. Permit, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.25**

20.12.1 Application. New and existing mercantile occupancies shall comply with Section 20.12.

**Regulation: 527 CMR 10.13(6)**

20.12.2.1 Emergency Plans. Emergency plans complying with Section 10.9 shall be provided in high-rise buildings.

20.12.2.2 Drills. In every Class A or Class B mercantile occupancy, employees shall be periodically trained in accordance with Section 10.6. ...

**Regulation: 527 CMR 11.00 (commercial cooking operations), 527 CMR 10.03(6)**

20.12.2.4 Food Service Operations. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 10.0320.13.1** Application. New and existing business occupancies shall comply with Section 20.13.

**Regulation: 527 CMR 10.13(6)**

20.13.2.1 Emergency Plans. ...

20.13.2.2 Drills. ...

**Regulation: 527 CMR 11.00 (commercial cooking operations), 527 CMR 10.03(6)**

20.13.2.4 Food Service Operations...

**Regulation: 527 CMR 10.03**

20.15.1 Application. New and existing storage occupancies shall comply with the appropriate codes or standards referenced in Chapter 2 and Section 20.15.

**Regulation: 527 CMR 10.03(5)**

20.15.2 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.16(1)**

20.15.3.3.2 4 Storage, Arrangement, Protection, and Quantities of Hazardous Commodities. ...

20.15.4 Storage, Arrangement, Protection, and Quantities of Hazardous Commodities.

20.15.5 Bulk Storage Elevators....

20.15.5.1\* Application. ...

**Regulation: 527 CMR 1.02(1)**

20.15.5.3.1 Unless otherwise noted, the provisions of 20.15.5 on bulk storage elevators shall not be applied to facilities, ...

**Regulation: 527 CMR 10.27(1)**

20.15.7.1 Application. The storage and handling of cellulose nitrate film records shall comply with 20.15.7 and NFPA 40, ...

**Regulation: 527 CMR 10.27(2)**

20.15.7.2 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(5)**

20.15.8.1 Application. Buildings containing high-piled storage shall comply with Chapter 13, Chapter 34, and 20.15.8.

**Regulation: 527 CMR 10.03(5)(b)**

20.15.8.2 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.25(1)**

20.18 Special Provisions for Certain Places of Worship Which have been Issued a Valid Certificate of Occupancy for Use as a Temporary Overnight Shelter Pursuant to the Building code.

**Regulation: 527 CMR 10.25(1)**

20.18.1 A place of worship which has been issued a valid certificate of occupancy for use as a temporary overnight shelter ...

**Regulation: 527 CMR 10.03(10) (Fire lanes)**

22.3 Fire Department Access Roads. ...

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**Regulation: 527 CMR 39.00 (not specific to just automobile wrecking yards)**

22.4 Welding and Cutting. Welding and cutting operations shall be in accordance with Chapter 41.

**Regulation: 527 CMR 10.03(4) (not specific to just automobile wrecking yards)**

22.5 Housekeeping. ...

**Regulation: 527 CMR 10.02(1) (not specific to just automobile wrecking yards)**

22.6 Fire Extinguishers. ...

**Regulation: 527 CMR 10.03(5) (permit required for storage in excess of 2,500 cubic feet gross volume, does not allow piles in excess of 20ft in height and no less than 25ft from any other building or lot line)**

22.7 Tire Storage. The storage of tires shall be in accordance with Chapters 33 and 34.

**Regulation: 527 CMR 14.00 (not specific to just motor vehicles)**

22.9 Motor Vehicle Fluids and Hazardous Materials.

22.9.1 General. ...

**Regulation: 527 CMR 14.00 (not specific to just motor vehicles)**

22.9.2.2 Storage and handling of motor vehicle fluids shall be done in an approved manner.

**Regulation: 527 CMR 14.00 (not specific to just motor vehicles)**

22.9.2.3 Flammable and combustible liquids shall be stored and handled in accordance with Chapter 66.

**Regulation: 527 CMR 15.03(3) (design, construction, and installations at marine fueling facilities only). 527 CMR 9.04(B) (storage of Class I liquids at motor fuel dispensing facilities), 527 CMR 5.00**

30.1.1.1 Motor fuel dispensing facilities, marine/motor fuel dispensing facilities, motor fuel dispensing facilities located inside buildings, and fleet vehicle motor fuel dispensing facilities shall comply with Sections 30.1 and 30.3 and NFPA 30A, ...

**Regulation: 527 CMR 5.08(5)**

30.1.5.1\* For an unattended self-serve, motor fuel dispensing facility, additional fire protection shall be provided.

30.1.5.2 An automatic fire suppression system shall be installed in accordance with the appropriate NFPA standard, ...

30.1.5.3 The fire protection system shall be installed in accordance with the requirements of the State Fire Marshal...

**Regulation: 527 CMR 6.00, 527 CMR 26.00**

30.2.3 General Construction Requirements. In major repair garages, where CNG-fueled vehicles, hydrogen-fueled vehicles, LNG-fueled vehicles, or LP-Gas-fueled vehicles are repaired, all applicable requirements of NFPA 52 or NFPA 58, whichever is applicable, ...

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**Regulation: 527 CMR 5.09(4), 5.03(5)**

30.2.6.1 Pits, below grade work areas, and subfloor work areas used for lubrication, inspection, and minor automotive maintenance work shall comply with the provisions of this chapter, in addition to other applicable requirements of NFPA 30A. ...

**Regulation: 527 CMR 5.03(5)**

30.2.6.2 Walls, floors, and structural supports shall be constructed of masonry, concrete, steel, or other approved noncombustible materials.

**Regulation: 527 CMR 5.09(4), 527 CMR 5.03(5)**

30.2.6.3 In pits, below grade work areas, and subfloor work areas, the required number, location, and construction of means of egress shall meet the requirements for special purpose industrial occupancies in Chapter 40 of NFPA 101.

**Regulation: 527 CMR 5.03(5)(b)**

30.2.6.4 Pits, below grade work areas, and subfloor work areas shall be provided with exhaust ventilation ...

**Regulation: 527 CMR 5.03(4)**

30.2.7 Fixed Fire Protection. ...

**Regulation: 527 CMR 4.07(1)(b)**

30.2.10.8 Fuels used shall be of the type and quality specified by the manufacturer of the heating appliance. Crankcase drainings shall not be used in oil-fired appliances, unless the appliances are specifically approved for such use. [30A:7.6.8]

**Regulation: 527 CMR 10.03(7) (NFPA 54 and NFPA 211)**

30.2.10.9 Heat-producing appliances shall be installed to meet the requirements of ...

**Regulation: 527 CMR 8.20(3) (Transfer tanks only)**

30.3.1.2 Class I, Class II, and Class IIIA liquids shall not be dispensed by applying pressure to tanks or containers. ...

**Regulation: 527 CMR 5.05(4)**

30.3.1.3 No gasoline shall be handled outside of storage tanks or portable gasoline tanks except ...

**Regulation: 527 CMR 5.08(6)(j) (25 feet), 527 CMR 5.09(5)**

30.3.2.1 Sources of Ignition. .

**Regulation: 527 CMR 5.09(8) (classification and travel distances are different)**

30.3.2.2 Fire Extinguishers. ...

**Regulation: 527 CMR 5.08(5)(j), 527 CMR 5.03(4), 527 CMR 9.06(B)(1)(c)**

30.3.2.3 Fire Suppression Systems. .

**Regulation: 527 CMR 9.06(A)**

30.3.3.1 Crankcase drainings and waste liquids shall not be dumped into sewers, into streams, or on the ground. ...

**Regulation: 527 CMR 1.06(2), 527 CMR 10.03(9)**

30.3.5 Fire Doors. ...

**Regulation: 527 CMR 17**

31.1\* General. ...

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**Regulation: 527 CMR 17.04(f)**

31.3.2.1.4 Where the storage of materials regulated by this Chapter are permitted to accumulate in a quantity ....

**Regulation: 527 CMR 17**

31.3.3.3.4 Where stacks are supported clear of the ground, 6 in. ...

31.3.3.4.1.1 Open yard stacking shall be located with not less than 15 ft ...

31.3.3.4.1.2 Boundary posts with signs designating stacking limits shall be provided ...

**Regulation: 527 CMR 17.04(g)**

31.3.6.4. 3\* Property- line clearance of not less than 25ft ...

**Regulation: 527 CMR 38.04**

32.1.1 Terms and Definitions

The terms used in this Chapter shall have the meanings respectively assigned to them unless stated otherwise:

32.1.1.1 On-site personnel. ...

32.4.2 Permits. A permit shall be obtained for any of the following activities: .

32.4.7.2 Where the anticipated loads exceed those specified in the local building code ...

**Regulation: 527 CMR 38.04; 527 CMR 12**

32.4.8.1 Electrical equipment shall be in accordance with 527 CMR 12.00 ...

**Regulation: 527 CMR 38.01(1)**

32.4.11.1.2 A new soundstage or new approved production facility shall be equipped with an approved, supervised automatic sprinkler system in accordance with the building code.

**Regulation: 527 CMR 38.04(8)**

32.5.1 General. ...

**Regulation: 527 CMR 38.04**

32.5.2 Permits ...

32.5.2.1 Notification and Permits. ...

**Regulation: 527 CMR 38**

32.5.3.2 Chapter 65 *shall* be used to regulate any pyrotechnic use.

32.5.7.1 Sets, scenery, and other equipment shall not impact the structural integrity of existing buildings. ...

32.5.7.2 Additional loads applied onto the building shall require approval of the building inspector.

**Regulation: 527 CMR 38.04**

32.5.8.1 Electrical power connections made to the site electrical service shall be in accordance...

**Regulation: 527 CMR 38**

32.5.10\* Means of Egress. ...

**Regulation: 527 CMR 10.03(5)**

32.5.11 Fire Protection.



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**Regulation: 527 CMR 10.03(5) (does not describe configurations, just height and separation requirements)**

34.1.1 Application.

34.1.1.1 Storage configurations shall include palletized storage, solid-piled storage, and storage in bin boxes, on shelves, or on racks.

34.1.1.2 Chapter 34 shall not apply to the following:

**Regulation: 527 CMR 10.03(5)**

34.1.2 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 10.03(10)(a), 527 CMR 25.00**

34.3.2 Fire-Fighting Access.

**Regulation: 527 CMR 10.03(5)(c)**

34.4.2.1 The clearance between top of storage and sprinkler deflectors shall conform to NFPA 13.

**Regulation: 527 CMR 10.16(1)(a), 527 CMR 18.01(6)(c)**

34.4.2.2\* Storage in buildings and structures shall not be within two feet of a ceiling, or roof deck.

34.4.2.3 Storage clearance from ducts shall be maintained in accordance with NFPA 91, ...

**Regulation: 527 CMR 10.03(1)**

34.4.2.6 Clearance shall be maintained around the path of fire door travel to ensure the door's proper operation and inspection.

**Regulation: 527 CMR 1.06(2)**

34.4.2.7 Operation and inspection clearance shall be maintained around fire-extinguishing and fire protection equipment.

**Regulation: 527 CMR 14.00**

34.4.4.1 Flammable or combustible liquids shall be kept in flammable liquid storage cabinets, in cutoff rooms, or in detached buildings.

**Regulation: 527 CMR 10.02(1)**

34.5.3.1.1 Portable fire extinguishers shall be provided in accordance with Section 13.6, unless 34.5.3.1.2 applies.

**Regulation: 527 CMR 25.00**

34.5.4.1 Arrangements shall be made to allow rapid entry into the premises by the municipal fire department, police department, ...

**Regulation: 527 CMR 10.03(14)**

34.6.1.1 Power-operated industrial trucks and their use shall comply with NFPA 505, ...

**Regulation: 527 CMR 6.00**

34.6.1.2 Industrial trucks using liquefied petroleum gas (LP-Gas) or liquid fuel shall be refueled ...

**Regulation: 527 CMR 12.00**

34.6.2 Building Service Equipment. Electrical equipment shall be installed in accordance with the provisions of Section 11.1.

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**Regulation: 527 CMR 39.00**

34.6.3.1 Where welding or cutting operations are necessary, the requirements of Chapter 41 shall apply.

**Regulation: 527 CMR 39.06(3)&(4)**

34.6.3.2\* Welding, soldering, brazing, and cutting shall be permitted to be performed on building components or contents that cannot be removed, provided that no storage is located below and within 25 ft ...

**Regulation: 527 CMR 39.06(8) (sprinkler system requirement), 527 CMR 39.06(5) (fire extinguisher requirement), 527 CMR 39.05(3) (fire watch requirement)**

34.6.3.3 During any of the operations identified in 34.6.3.2, all of the following shall apply:

**Regulation: 527 CMR 10.07(1),(2),(3),(4),(5)**

34.6.5.1 Smoking shall be prohibited except in locations designated as smoking areas.

**Regulation: 527 CMR 10.07(7)**

34.6.5.2 Signs that read “No Smoking” shall be posted in prohibited areas.

**Regulation: 527 CMR 1.06(2)**

34.6.6.1 Fire walls, fire doors, and floors shall be maintained in functional condition at all times.

**Regulation: 527 CMR 40.00**

34.6.6.2\* All water-based fire protection systems and the water supplies shall be inspected, tested, and maintained in accordance with NFPA 25.

**Regulation: 527 CMR 12.00**

34.6.8 Lighting.

**Regulation: 527 CMR 10.03(5)(c) (current code states 2 feet)**

34.8.3.2.1 Storage clearance from roof structures shall be not less than 18 in. ...

**Regulation: 527 CMR 10.03(5), 527 CMR 17.00**

34.10.1\* General. Idle pallets shall be stored outside or in a separate building designated for pallet storage, unless permitted by 34.10.2.

**Regulation: 527 CMR 10.03(5)**

34.10.2 Indoor Storage. Idle pallets shall be permitted to be stored in a building used for other storage or other purpose ...

**Regulation: 527 CMR 10.03(5), 527 CMR 17.00**

34.10.3\* Outdoor Storage. Idle pallets stored outside shall be stored in accordance with Table 34.10.3(a) and Table 34.10.3(b).

34.10.4 Idle pallet stacks shall not exceed 15 ft ...

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## **Regulation: 527 CMR 26.06**

42.1 Chapter 42 shall apply to refueling of automotive vehicles, marine vessels, which are upstream from the Point of Delivery.

42.1.1 The following terms are additional to the terms used in NFPA 52 and shall have the meanings assigned to them unless the context clearly indicates otherwise.

42.1.1.1 Point of Delivery.

## **Regulation: 527 CMR 26.09(1)**

42.1.1.2 Certificates. Certificates, where required, shall comply with Section 1.12.8.51 and Section 1.13 applicable.

## **Regulation: 527 CMR 15.03(3) (marine fueling), 527 CMR 5.03(1) (refers to 780 CMR for design construction, operation, and use; as well as repair, alteration, addition, and/or change in use)**

42.2.1.1 New and existing automotive service stations, service stations located inside buildings, and fleet vehicle service stations as well as the refueling processes at these facilities shall comply

## **Regulation: 527 CMR 5.08(6), 527 CMR 15.06 (mobile marine fueling)**

42.2.1.2 If approved by the AHJ, mobile fleet fueling at commercial, industrial, and governmental sites shall be conducted in accordance with 42.7.6.

## **Regulation: 527 CMR 6.00**

42.2.1.3\* Sections 42.2 through 42.8 shall not apply to those motor fuel dispensing facilities where only liquefied petroleum gas (LP-Gas), liquefied natural gas (LNG), or compressed natural gas (CNG) ...

## **Regulation: 527 CMR 14.03**

42.2.2.1 Permits. Permits, where required, shall comply with Section 1.12.

## **Regulation: 527 CMR 5.08(5) (self-service locations)**

42.2.2.2 Plans and Specifications.

## **Regulation: 527 CMR 5.08(5) (self-service locations)**

42.2.2.2.1 A site plan shall be submitted that illustrates the location of flammable and combustible liquids, LP-Gas or CNG storage vessels, and ...

42.2.2.2.2 Aboveground and underground storage vessels shall be shown on plans.

## **Regulation: 527 CMR 5.08(5) (full self-serve)**

42.2.2.2.3 For each type of fuel dispensing facility, plans and specifications shall also include, but not be limited to, the following:

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**Regulation: 527 CMR 8.01**

42.2.2.3 This Chapter shall apply to the transportation of Class II and Class IIIA combustible liquids,...

42.2.2.4 The intent of this Chapter is to protect the public safety and welfare from the danger of fire due to tank or container leakage...

42.2.2.4.1 The intent of this Chapter is to protect the public safety and welfare from the danger ...

**Regulation: 527 CMR 14.03, 527 CMR 5.05**

42.3.1 Scope. Section 42.3 shall apply to the storage of liquid fuels and to the storage of related materials, such as lubricating oils and greases, ...

**Regulation: 527 CMR 5.05(2)**

42.3.2.3 Class I liquids shall not be stored or handled in a building that has a basement or pit into which ignitable vapors can travel, unless ...

**Regulation: 527 CMR 26.05(a)**

42.3.3.1 Underground Tanks. Underground storage tanks shall comply with 310 CMR and meet all applicable requirements of Chapters 21 and 22 of NFPA 30.

**Regulation: 527 CMR 9.03, 527 CMR 9.04**

42.3.3.2\* Aboveground Storage Tanks. Except as modified by the provisions of this subsection, aboveground storage tanks shall ...

**Regulation: 527 CMR 9.03, 527 CMR 9.04**

42.3.3.2.1 The use of aboveground storage tanks at motor fuel dispensing facilities, fleet vehicle motor fuel dispensing facilities, and marine motor fuel dispensing facilities shall be permitted when installed ....

**Regulation: 527 CMR 9.00**

42.3.3.2.2 Tanks designed and built for underground use shall not be installed for aboveground use. [30A:4.3.2.2]

42.3.3.2.4 Tanks shall be located in accordance with Table 42.3.3.2.4. [30A:4.3.2.4]

**Regulation: 527 CMR 9.07(B)(5) (not specific to vaults)**

42.3.3.3.5.1 Vent pipes that are provided for normal tank venting shall terminate outside the vault and at least 12 ft ...

**Regulation: 527 CMR 9.03(F)(3)**

42.3.3.7.2\* Guard posts or other approved means shall be provided to protect tanks that are subject to vehicular damage.

**Regulation: 527 CMR 26.05(a)**

42.3.3.8\* Corrosion Control.

**Regulation: 527 CMR 8.20**

42.3.3.9.1 Class I, II, and IIIA Liquids in Tanks Not Exceeding 120 Gal (454 L) Capacity and in Containers.

42.3.3.9.1.1 The aggregate quantity of Class I liquids stored in a tank that does not exceed ...

42.3.3.9.1.2 Except as permitted under 42.3.3.9.1.3, the aggregate quantity of Class II and Class IIIA liquids stored in a tank that does not exceed

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**Regulation: 527 CMR 9.03(D), 527 CMR 9.05(B), 527 CMR 9.07(D), 527 CMR 4.03, 527 CMR 15.05**

42.4.1 Scope.

42.4.2.1 The design, fabrication, assembly, test, and inspection of the piping system shall meet the requirements of ...

**Regulation: 527 CMR 9.05(H) (underground tanks only)**

42.4.2.3 Any portion of a piping system that is in contact with the soil shall be protected from ...

**Regulation: 527 CMR 9.07(B)(2)(a) (underground tanks only)**

42.4.2.5 Each fill pipe shall be identified by color code or other marking to identify the product for which it is used. ...

**Regulation: 527 CMR 5.00, 527 CMR 15.00**

42.5.1 Scope.

**Regulation: 527 CMR 5.07(7)**

42.5.2.1 Dispensing devices installed outside at motor fuel dispensing stations shall be located as follows:

42.5.2.3 Fuel dispensing systems, including dispensers, hoses, nozzles, breakaway fittings, swivels, flexible connectors, dispenser emergency shutoff valves, vapor recovery systems, and pumps that are used for alcohol-blended motor fuels shall be listed or approved for the specific purpose.

**Regulation: 527 CMR 5.07(6)**

42.5.3.1 Class I and Class II liquids shall be transferred from tanks by means of fixed pumps designed and equipped to allow control of the flow and prevent leakage or accidental discharge.

**Regulation: 527 CMR 5.07(7)**

42.5.3.2 Dispensing devices for Class I and II liquids shall be listed.

42.5.3.3 A control shall be provided that will permit the pump to operate only when a dispensing nozzle is removed from its bracket or normal position with respect to the dispensing device and the switch on this dispensing device is manually actuated. ...

**Regulation: 527 CMR 5.07(8)** 42.5.3.4 Dispensing devices shall be mounted on a concrete island or shall otherwise be protected against collision damage

**Regulation: 527 CMR 15.09**

42.5.3.4.1 Dispensing devices shall:

42.5.3.6.3 Maintenance.

**Regulation: 527 CMR 5.08(5)**

42.5.3.8 At unattended self-serve motor fuel dispensing facilities, coin- and currency-type devices shall be permitted only with the approval of the AHJ.

**Regulation: 527 CMR 5.07(9)**

42.5.3.9 Where liquid is supplied to the dispensing device under pressure, a listed, rigidly anchored emergency shutoff valve incorporating ...

**Regulation: 527 CMR 5.07(9), 527 CMR 9.05(B) (1)**

42.5.3.10 Where a suction-type dispensing system includes a booster pump or where a suction-type dispensing system is ...

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**Regulation: 527 CMR 5.07(10), 527 CMR 15.04(1) (d)  
(marine fueling – 30ft)**

42.5.5.1 Listed hose assemblies shall be used to dispense fuel. Hose length at automotive motor fuel dispensing facilities shall not exceed 18 ft (5.5 m). ...

**Regulation: 527 CMR 5.07(10)**

42.5.5.2 A listed emergency breakaway device designed to retain liquid on both sides of the breakaway point shall be installed on each hose dispensing Class I and II liquids. ...

**Regulation: 527 CMR 5.08(2), 527 CMR 15.08(7)**

42.5.6 Requirements for Fuel Delivery Nozzles.

42.5.6.1

42.5.6.1.1

**Regulation: 527 CMR 5.07(7), 527 CMR 15.08(7)**

42.5.6.2\* At any installation where an automatic closing-type dispensing nozzle is used, the nozzle valve shall include ...

**Regulation: 527 CMR 5.08(2), 527 CMR 15.08(7) (current regulation does not address latch-open device)**

42.5.6.3 Overhead-type dispensing devices shall be provided with a listed, automatic closing-type hose nozzle valve without a latch-open device. *Exception:* ...

**Regulation: 527 CMR 15.08(7) (current regulation does not address latch-open device)**

42.5.6.4 Dispensing nozzles used at marine motor fuel dispensing facilities shall be of the listed automatic closing-type hose nozzle valve without a latch-open device.

**Regulation: 527 CMR 5.08(5), 527 CMR 15.04(1) (e) (1) (c)**  
42.5.7 Emergency Electrical Disconnects.

**Regulation: 527 CMR 5.08(5) (d)**

42.5.7.1 At attended motor fuel dispensing facilities, the devices or disconnects shall be readily accessible to the attendant.

**Regulation: 527 CMR 9.07(B) (6) (vapor recovery requirement for tanks), 527 CMR 5.08(5) (k)**

42.5.8.1 Dispensing devices that incorporate vapor recovery shall be listed.

**Regulation: 527 CMR 5.07(7), 527 CMR 5.08(5) (k)**

42.5.8.2 Hose nozzle valves used on vapor recovery systems shall be listed for the purpose.

**Regulation: 527 CMR 5.03(1)**

42.6 Building Construction Requirements.

**Regulation: 527 CMR 5.09(6)**

42.6.1.3 Drainage.

**Regulation: 527 CMR 5.08(5) (j)**

42.6.1.4.1\* For an attended, self-serve, motor fuel dispensing facility, additional fire protection shall be provided where required by the State Fire Marshal.

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**Regulation: 527 CMR 5.08(5) (j) (self-serve)**

42.6.1.4.2 Where required, an automatic fire suppression system shall be installed in accordance with the appropriate NFPA standard, manufacturer's instructions, and the listing requirements of the systems.

**Regulation: 527 CMR 5.03(5) (b)**

42.6.2.2 Return air openings in areas of repair garages used for the repair or servicing of vehicles or in a fuel dispensing area shall be not less than 18 in. (455 mm) above floor level measured to the bottom of the openings.

**Regulation: 527 5.03(5) (b)**

42.6.2.3 Combined ventilation and heating systems shall not recirculate air from areas that are below grade level.

**Regulation: 527 CMR 5.04(2), 527 CMR 10.03(7) (a)**

42.6.3.1 Heat-producing appliances shall be installed in accordance with the requirements of ...

**Regulation: 527 CMR 5.04(2)**

42.6.3.3 Heat-producing appliances shall be permitted to be installed in a special room that is separated from areas...

42.6.3.4 Heat-producing appliances using gas or oil fuel shall be permitted to be installed in a lubrication or service room where there is no dispensing or transferring ...

42.6.3.5 Heat-producing appliances using gas or oil fuel listed for use in garages shall be permitted to be installed in lubrication rooms, service rooms, or fuel dispensing areas where ...

**Regulation: 527 CMR 10.03(7)**

42.6.3.9 Heat-producing appliances shall be installed to meet the requirements of NFPA 31, NFPA 54, NFPA 82, NFPA 90A, and NFPA 211 as applicable, except as hereinafter specifically provided. [30A:7.6.9]

**Regulation: 527 CMR 5.01**

42.7.1 Scope.

**Regulation: 527 CMR 5.06 (24hr requirement is new) (UST's only), 527 CMR 9.05(D) (7) (UST's only)**

42.7.2.1\* Inventory Control.

**Regulation: 527 CMR 8.18(4), 527 CMR 9.07(C)**

42.7.2.2.4 Tank filling shall not begin until the delivery operator has determined that the tank has sufficient available capacity (ullage).

**Regulation: 527 CMR 9.07(B) (3)**

42.7.2.2.5 Tanks shall be filled through a liquidtight connection.

**Regulation: 527 CMR 9.05(A) (7) (spill containment manhole), 527 CMR 9.07(B) (3) (liquid tight connection)**

42.7.2.2.5.2 Underground tanks and tanks in below grade vaults shall be filled through a liquid tight connection within a spill container.

**Regulation: 527 CMR 5.08(3)**

42.7.2.3.1\* Class I or Class II liquids shall not be dispensed into portable containers unless ...

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**Regulation: 527 CMR 5.08(3) (limited to 7 gallon containers), 527 CMR 5.08(4), 527 CMR 15.08(4)**

42.7.2.3.3 Portable containers of 12 gal (45 L) capacity or less shall not be filled while they are in or on a motor vehicle or marine craft.

**Regulation: 527 CMR 8.20, 527 CMR 8.21, 527 CMR 5.08(6) (k) (prohibits filling inside garages)**

42.7.2.4 Dispensing from a Tank That Does Not Exceed 120 Gal (454 L) and from Containers Inside Buildings.

**Regulation: 527 CMR 8.20(3)**

42.7.2.4.2 Class I, Class II, and Class IIIA liquids shall not be dispensed by applying pressure to tanks or containers. Listed pumps that take suction through the top of the tank or container or listed self-closing faucets shall be used. [30A:9.2.4.2]

**Regulation: 527 CMR 5.08(6) (j) (25 ft requirement), 527 CMR 5.08(1), 527 CMR 8.21(3)**

42.7.2.5.1 Sources of Ignition.

**Regulation: 527 CMR 5.09(8) (travel distance and type are different), 527 CMR 10.02(1)**

42.7.2.5.2 Fire Extinguishers.

**Regulation: 527 CMR 5.08(5) (j)**

42.7.2.5.3 Fire Suppression Systems.

**Regulation: 527 CMR 5.08(5) (c) (full self-serve), 527 CMR 15.04(2) (marine fueling)**

42.7.2.5.4\* Signs.

**Regulation: New, 527 CMR 5.09(6) (prohibits spillage onto floor or into drainage)**

42.7.2.6.1 Crankcase drainings and waste liquids shall not be dumped into sewers, into streams, or on the ground...

**Regulation: 527 CMR 10.03(9)**

42.7.2.8 Fire Doors.

**Regulation: 527 CMR 5.08(5)**

42.7.3 Operating Requirements for Full-Service Motor Fuel Dispensing Facilities.

42.7.4 Operating Requirements for Attended Self-Service Motor Fuel Dispensing Facilities.

42.7.4.1 “Self-service motor fuel dispensing facility”

**Regulation: 527 CMR 5.08(5) (f)**

42.7.4.2 There shall be at least one attendant on duty while the self-service facility is open for business. ...

42.7.4.2.1 Facilities of 1,000 square feet or less of retail sales area and eight or less fueling positions may be operated by one employee. ...

**Regulation: 527 CMR 5.08(6)**

42.7.4.5 The dispensing of motor fuel by means of self-service automated dispensing systems shall be permitted, provided that the applicant

42.7.6 Refueling from Tank Vehicles.

**Regulation: 527 CMR 5.08(6) (a)**

42.7.6.1 An inspection of the premises and operations shall be made and operations shall not be conducted unless approved by the AHJ.



# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 5.08**

42.7.6.3 The dispensing hose shall not exceed 150 feet in length.

**Regulation: 527 CMR 5.08(6) (f)**

42.7.6.4 The dispensing nozzle shall be a listed, automatic closing-type without a latch-open device.

**Regulation: 527 CMR 5.08(6) (g)**

42.7.6.5 Nighttime deliveries shall only be made in areas deemed adequately lighted by the AHJ.

**Regulation: 527 CMR 5.08(6) (h)**

42.7.6.6 The tank vehicle flasher lights shall be in operation while dispensing operations are in progress.

**Regulation: 527 CMR 5.08(6) (i)**

42.7.6.7 Expansion space shall be left in each fuel tank to prevent overflow in the event of temperature increase.

**Regulation: 527 CMR 26.07 (CNG), 527 CMR 6.02 (LPG)**

42.8 Additional Requirements for CNG, LNG, Hydrogen, and LPG.

42.8.1 Scope.

42.8.2 General Requirements.

42.8.2.1

**Regulation: 527 CMR 26.04(2) (CNG)**

42.8.2.3

**Regulation: 527 CMR 26.07(3)**

42.8.3.2

**Regulation: 527 CMR 26.07(3) (b) (CNG)**

42.8.3.4

**Regulation: 527 CMR 15.00**

42.9.1.1 Section 42.9 shall apply to that portion of a property where liquids used as fuels are stored, handled, and dispensed from equipment ...

**Regulation: 527 CMR 15.01(4) (Bulk and flange-to-flange)**

42.9.1.2 Section 42.9 shall not apply to the following:

**Regulation: 527 CMR 15.01(2) (e)**

42.9.1.2 (4) Foreign vessels regulated under Title 33 CFR 155 and U.S. and foreign public vessels, i.e. warships, naval auxiliaries or other ships owned and operated by a country when engaged in non-commercial service.

**Regulation: 527 CMR 15.04 (1) (e) (1) (h)**

42.9.2.3 Where a tank is at an elevation that produces a gravity head on the dispensing device, the tank outlet shall be equipped with a device, ...

**Regulation: 527 CMR 15.03(3), 527 CMR 15.04(1)**

42.9.3.1 Piping shall be installed in accordance with all applicable requirements of Chapter 5 of NFPA 30A. [30A:11.3.1]

**Regulation: 527 CMR 15.04(1) (a)**

42.9.3.2 Piping systems shall be supported and protected against physical damage and stresses ...

42.9.3.3 Means shall be provided to ensure flexibility of the piping system in the event of motion of the pier. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 15.04(1) (e) (1) (d)**

42.9.3.5 A valve to shut off the liquid supply from shore shall be provided in each pipeline at or near the approach to the pier and at the shore end of each marine pipeline adjacent to the point where each flexible hose is attached.

**Regulation: 527 CMR 15.05**

42.9.3.6 Marine wharves greater than 200 feet in length having a fueling facility shall be equipped with a minimum of four approved shut-off controls.

42.9.3.6.1 One shut-off control shall be a pump switch which will be the control used by the operator to dispense the fuel under normal conditions (approved fuel delivery nozzle).

42.9.3.6.2 The second shut-off control valve shall be located four feet from the base of the metering unit.

42.9.3.6.3 The third shut-off control valve shall be located 15 feet from the metering unit.

42.9.3.6.4 The fourth shut-off control valve shall be located on the shore side of the metering unit at a point where the piping system starts to extend over the water.

42.9.3.6.5 The location of such approved shut-off control devices shall be familiar to the fueling facility operations supervisor.

42.9.3.6.6 Said shut-off controls are to be marked "EMERGENCY FUEL SHUT OFF" in two inch red block capital letters and shall be accessible at all times.

**Regulation: 527 CMR 15.05(9)**

42.9.3.7 Shutoff and check valves shall be equipped with a pressure-relieving device that will relieve any pressure generated by thermal expansion of the contained liquid back to the storage tank.

**Regulation: 527 CMR 15.05(7) (a)**

42.9.3.8 Marine piping systems shall contain a sufficient number of approved valves to control the flow of flammable or combustible liquid during normal operations and to provide adequate shut off protection in the event of fire or physical damage.

**Regulation: 527 CMR 15.04(1) (d) (30 ft)**

42.9.4.1 All hose shall be listed. Where hose length exceeds 18 ft (5.5 m), the hose shall be secured so as to protect it from damage.

**Regulation: 527 CMR 15.02**

42.9.4.1.1 Said hose shall be a rubber like material resistant to petroleum products and petroleum product additives, containing a continuous static ground, not exceeding 30' in length. ...

**Regulation: 527 CMR 15**

42.9.4.2 Dispensing nozzles shall be of the automatic-closing type with a latch-open device.

**Regulation: 527 CMR 15.04(3) (general access)**

42.9.4.3 Dispensing devices shall be permitted to be located on open piers, on shore, or on piers of the solid-fill type and shall be located apart from other structures so as to provide room for safe ingress to and egress from marine craft.

**Regulation: 527 CMR 15.06(2)**

42.9.4.4 Dispensing devices shall be located so that exposure to all other operational marina or pleasure boat berthing area facilities is minimized. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 15.06(2), 527 CMR 15.09(1)**

42.9.4.5 No vessel or marine craft shall be made fast to any other vessel or marine craft occupying a berth at a fuel dispensing location during fueling operations.

**Regulation: 527 CMR 15.10**

42.9.4.7 Each marine motor fuel dispensing facility shall have an attendant or supervisor on duty whenever the facility is open for business. ...

**Regulation: 527 CMR 15.05(7) (c)**

42.9.4.8 If a remote pumping system is used, a labeled or listed rigidly anchored emergency shut off valve incorporating a fusible link or other thermally actuated device, designed to close automatically in event of fire exposure or severe impact, shall be installed ...

42.9.4.8.1 The automatic closing feature of this valve shall be checked at least once a month by manually tripping the hold-open linkage.

42.9.4.8.2 An emergency shut off valve incorporating a slip-joint feature shall not be used.

**Regulation: 527 CMR 15.09(2)**

42.9.4.9 The fueling facility shall be located so as to minimize exposure to all other operational marina or pleasure boat berthing area facilities. ...

**Regulation: 527 CMR 15.09(3)**

42.9.4.10 Fueling of floating marine craft at other than a fueling facility is prohibited except by prior written authorization by the AHJ.

**Regulation: 527 CMR 15.03(3), 527 CMR 15.04(1) (c)**

42.9.5.1 All electrical components for dispensing liquids shall be installed in accordance with Chapter 8 of NFPA 30A.

**Regulation: 527 CMR 15.03(3) (a)**

42.9.5.2 All electrical equipment shall be installed and used in accordance with the requirements of Section 11.1 as it applies to wet, damp, and hazardous locations.

**Regulation: 527 CMR 15.03(3) (c)**

42.9.5.3 Clearly identified emergency electrical disconnects that are readily accessible in case ...

**Regulation: 527 CMR 15.03(3) (b)**

42.9.5.4 All electrical wiring for power and lighting shall be installed on the side of the wharf opposite from the liquid piping system.

**Regulation: 527 CMR 15.07(6) 527 CMR 15.07(8) (b), 527 CMR 15.08(14)**

42.9.5.5 Smoking materials, including matches and lighters, shall not be used within 20 ft (6 m) of areas used for fueling, servicing fuel systems ...

**Regulation: 527 CMR 15.07(8) (a)**

42.9.5.6 The motors of all equipment being fueled shall be shut off during the fueling operation, except for emergency generators, pumps, and so forth, where continuing operation is essential.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 15.04(1) (c)**

42.9.6.1 Where excessive stray currents are encountered, piping handling Class I and Class II liquids shall be electrically isolated from the shore piping.

**Regulation: 527 CMR 15.04(1) (c)** 42.9.6.2\* Pipelines on piers shall be bonded and grounded.

**Regulation: 527 CMR 15.07(8) (g)**

42.9.6.3 The fuel delivery nozzle shall be put into contact with the vessel fill pipe before the flow of fuel commences, and this bonding contact shall be continuously maintained until fuel flow has stopped, to avoid the possibility of electrostatic discharge.

**Regulation: 527 CMR 15.04(1) (c)**

42.9.6.4.1\* Pipelines on piers shall be bonded and grounded. Bonding and grounding connections on all pipelines shall be located on the pier side of hose riser insulating flanges, if used, and shall be accessible for inspection.

**Regulation: 527 CMR 15.07(8) (g)**

42.9.6.4.2 The fuel delivery nozzle shall be put into contact with the vessel fill pipe before the flow of fuel commences and this bonding contact shall be continuously maintained until fuel flow has stopped to avoid possibility of electrostatic discharge.

**Regulation: 527 CMR 15.04(4) (75 ft requirement in 527 CMR), 527 CMR 15.07(8) (f)**

42.9.7.1 Each marine motor fuel dispensing facility shall be provided with fire extinguishers installed, inspected, and maintained ...

**Regulation: 527 CMR 15.05(2) (a) (150 ft requirement in 527 CMR)**

42.9.7.2 Piers that extend more than 500 ft (152 m) in travel distance from shore shall be provided with ...

**Regulation: 527 CMR 15.04(3)**

42.9.7.3 Materials shall not be placed on a pier in such a manner that they obstruct access to fire-fighting equipment or important piping system control valves. ...

**Regulation: 527 CMR 15.05(1)**

42.9.7.4 All marine-fueling facilities shall provide roadways to provide for adequate access ...

42.9.7.4.1 Except when approved by the Head of the Fire Department, a manual standpipe system may be installed along marine wharfs ....

**Regulation: 527 CMR 15.05(2)**

42.9.7.5 A manual standpipe system shall be installed at all fueling wharfs where ....

42.9.7.5.1 The type and location of standpipe systems and standpipe outlets shall be approved by the Head of the Fire Department, but in no case shall they be more than 150 feet ...

42.9.7.5.2 The fire department pumper can be considered as a standpipe system discharge point if it is within 150 ...

42.9.7.5.3 The standpipe piping shall be no less ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 15.05(3)**

42.9.7.6 Shall be provided on marine fueling facility wharfs where fire apparatus is expected to drive onto the wharf to protect a fueling facility.

42.9.7.6.1 The hydrants shall be installed, tested and maintained in accordance ...

42.9.7.6.2 In addition, a hydrant shall be within 100 ft. of the required standpipe connection.

42.9.7.6.3 If available, the type and capacity of the water supply system for the fire hydrants shall be sufficient to deliver adequate water and water pressure ....

**42.9.8.1 Regulation: 527 CMR 15.06 (mobile fueling), 527 CMR 15.08(11)**

42.9.8 Containers and Movable Tanks.

**Regulation: 527 CMR 15.08(4), 527 CMR 15.08(11)**

42.9.8.2\* Class I or Class II liquids shall not be dispensed into a portable container unless ...

**Regulation: 527 CMR 8.21**

42.9.8.4 No cargo tank, portable tank or transfer tank shall be mounted in the bed or body of any vehicle which contains a hoist to raise such bed or body.

**Regulation: 527 CMR 8.21(2)**

42.9.9.8 Vehicles other than approved tank vehicles may transport combustible liquids in transfer tanks provided that an application ...

**Regulation: 527 CMR 15.06**

42.9.9 Cargo Tank Fueling Facilities.

**Regulation: 527 CMR 15.06(4), 527 CMR 15.11(1)**

42.9.9.1 An inspection of the premises and operations shall be made and approval granted by the AHJ.

**Regulation: 527 CMR 15.06(1) (shall meet 527 CMR 8.00)**

42.9.9.2 The tank vehicle shall comply with the requirements of NFPA 385.

**Regulation: 527 CMR 15.06(2) (50 ft travel distance)**

42.9.9.3 The dispensing hose shall not exceed 50 ft (15 m) in length.

**Regulation: 527 CMR 15.08(13)**

42.9.9.5 Nighttime deliveries shall only be made in areas deemed adequately lighted by the AHJ.

**Regulation: 527 CMR 15.06(7)**

42.9.9.6 The tank vehicle flasher lights shall be in operation while dispensing.

**Regulation: 527 CMR 15.07(9)**

42.9.9.7 Fuel expansion space shall be left in each fuel tank to prevent overflow in the event of temperature increase.

**Regulation: 527 CMR 8.21(5)**

42.9.9.9 Any flammable or combustible liquid transported by other than cargo tank, portable tank or transfer tank shall be transported in listed containers, ...

**Regulation: 527 CMR 15.10**

42.9.10.1 The following shall be the responsibilities of the attendant:

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 15.04(19); 9.07(H) (1)**

42.9.10.1(5) In the event of a leak, rupture, spill, overflow or other incident involving the handling of flammable or combustible liquids the fuel facility both the Fire Department and the Marshal shall be notified immediately by the fueling operations supervisor or the permit holder.

**Regulation: 527 CMR 15.07(3), 527 CMR 15.08(13)**

42.9.10.2 Fueling shall not be undertaken at night except under well-lighted conditions.

**Regulation: 527 CMR 15.07(6), 527 CMR 15.08(14)**

42.9.10.3 During fueling operations, smoking shall be forbidden on board the vessel or marine craft and in the dispensing area.

**Regulation: 527 CMR 15.07(8)** 42.9.10.4 Before opening the tanks of the vessel to be fueled, the following precautions shall be taken:

**Regulation: 527 CMR 15.07(9)**

42.9.10.5 After the flow of fuel has stopped, the following shall occur:

**Regulation: 527 CMR 15.08(5)**

42.9.10.6 No Class I liquids shall be delivered to any vessel having its tanks located below deck unless...

**Regulation: 527 CMR 15.07(7)**

42.9.10.7 Owners or operators shall not offer their vessel or marine craft for fueling unless

**Regulation: 527 CMR 15.04(2)**

42.9.10.8 A sign with the following legends printed in 2 in. (50 mm) red capital letters on a white background shall be conspicuously posted at the dispensing area:

Before Fueling:

During Fueling:

After Fueling:

**Regulation: 527 CMR 5. 26**

42.11.1.1.1 Section 42.11 shall apply to the design, installation, operation, appliance and maintenance of gaseous fuels and for fueling vehicle (dispensing) systems, equipment and ...

**Regulation: 527 CMR 26.11**

42.11.1.1.9 Marker Plate, Sign.

**Regulation: 527 CMR 6.00**

42.11.2.1 Fuel dispensing facilities for vehicles using LP-Gas shall comply with NFPA 58, *Liquefied Petroleum Gas Code*, and 42.11.2.

42.11.2.2.1\* Chapter 11 of NFPA 58 applies to engine fuel systems using LP-Gas in internal combustion engines, ...

42.11.2.2.2\* Chapter 11 of NFPA 58 shall apply to the installation of fuel systems supplying engines used to propel all motor vehicles.

42.11.2.2.3 Chapter 11 of NFPA 58 applies to garaging of vehicles where such systems are installed.

42.11.2.2.4 Permits. Permits, where required, shall comply with Section 1.12.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 6.06(3)**

42.11.2.3 Training.

## **Regulation: 527 CMR 6.00**

42.11.2.4.1 Label Requirements.

42.11.2.4.2.1 The label shall be a minimum of ...

42.11.2.4.2.2\* The marking shall consist of a border and the word ...

42.11.2.5 Industrial (and Forklift) Trucks Powered by LP-Gas.

42.11.2.5.1 Scope.

## **Regulation: 527 CMR 6.00**

42.11.2.5.2 Operations.

42.11.2.5.2.2 Where cylinders are exchanged indoors, the fuel piping system shall be equipped to minimize ...

42.11.2.5.2.3 Where LP-Gas–fueled industrial trucks are used in buildings or structures, the following shall apply:

42.11.2.5.2.4 All cylinders used in industrial truck service (including forklift truck cylinders) shall have the cylinder pressure relief valve replaced in accordance with 5.7.2.13 of NFPA 58.

## **Regulation: 527 CMR 10.03(14)**

42.11.2.6 General Provisions for Vehicles Having Engines Mounted on Them (Including Floor Maintenance Machines).

42.11.2.6.1 Scope.

42.11.2.6.1.1 Paragraph 42.11.2.6 applies to the installation of equipment on vehicles that supply LP-Gas as a fuel for engines installed on these vehicles.

42.11.2.6.1.2 Vehicles include floor maintenance and any other portable mobile unit, whether the engine is used to propel the vehicle or is mounted on it for other purposes.

42.11.2.6.2 General Requirements.

42.11.2.6.2.1 Industrial trucks (including forklift trucks) and other engines on vehicles operating in buildings other than those used exclusively to house engines shall have an approved automatic shutoff valve installed in the fuel system.

42.11.2.6.2.2 The source of air for combustion shall be isolated from the driver and passenger compartment, ventilating system, or air-conditioning system on the vehicle.

## **Regulation: 527 CMR 10.03(14)**

42.11.2.6.2.3 Non–self-propelled floor maintenance machinery (floor polishers, scrubbers, buffers) and other similar portable equipment shall be listed.

## **Regulation: 527 CMR 6.00**

42.11.2.6.2.3.1 A label shall be affixed to the machinery or equipment, with the label facing the operator, with the text denoting ...

42.11.2.7 Garaging of Vehicles.

## **Regulation: 527 CMR 5.00**

42.11.3\* Liquefied Natural Gas (LNG).

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**Regulation: 527 CMR 14.03**

42.11.3.1 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 15.07**

42.12.1 Fuel Vessels and Barges  
42.12.2., 42.12.3., 42.12.4 , 42.12.5., 42.12.6 , 42.12.7  
42.12.8 , 42.12.9, 42.12.10, 42.12.11

**Regulation: 527 CMR 15.07(9)**

42.13 Containers and Movable Tanks.  
42.13.1, 42. 13.2 , 42.13.3 , 42.13.4

**Regulation: 527 CMR 12**

42.14.1 All electrical components shall be installed and used in accordance with 527 CMR 12.00: the Massachusetts Electrical Code.

**Regulation: 527 CMR 15.09(1) (b)**

42.14.2. Clearly identified emergency switches readily accessible in case of fire or physical damage ...

**Regulation: 527 CMR 15.09(1) (b)**

42.14.3A readily accessible valve to shut off the liquid supply from shore shall be provided in each pipeline at or near ...

**Regulation: 527 CMR 8.04(5)**

42.15 Transportation by Transfer Tanks  
42.15.

**Regulation: 527 CMR 8.20(1); (2); (3); (4) and (5)**

42.15.2 The vehicle shall be approved for the transportation of the combustible liquid provided that:

**Regulation: 527 CMR 8.21(5)**

42.15.3 Any flammable or combustible liquid transported by other than cargo tank, portable tank or transfer tank shall be transported in listed and labeled containers...

**Regulation: 527 CMR 14.00 (storage)**

42.15.4 No person shall transport by cargo tank or transport vehicle, any combustible liquid within the Commonwealth unless ...

43.1.1.4 Permits. Permits, where required, shall comply with Section 1.12.

**Regulation: 527 CMR 14.03**

43.1.4.4.5 Open containers, supply containers, waste containers, spray gun cleaners, and solvent distillation units that contain Class I liquids shall be located in areas ...

**Regulation: 527 CMR 14.03, 527 CMR 14.04, 527 CMR 33.00 (process)**

43.1.6 Storage, Handling, and Distribution of Flammable and Combustible Liquids.

43.1.6.1\* General.



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**Regulation: 527 CMR 14.03(15)**

43.1.6.2.1 The volume of Class I, Class II, and Class IIIA liquids stored in a storage cabinet shall not exceed 120 gal (454 L).

43.1.6.2.1.1 The total aggregate volume of Class I, Class II, and Class IIIA liquids in a group of storage cabinets shall not exceed the maximum allowable quantity of ...

**Regulation: 527 CMR 14.03(18) (d)**

43.1.6.2.1.2 For industrial occupancies, ...

**Regulation: 527 CMR 40.00**

43.1.7.4.7.2 Sprinklers that have been painted or coated by overspray or residues shall be replaced with new sprinklers.

**Regulation: 527 CMR 10.02(1)**

43.1.7.6 Portable Fire Extinguishers. Portable fire extinguishers shall be provided and located in accordance with Section 13.6.

**Regulation: 527 CMR 1.06(2)**

43.1.8.1\* General.

**Regulation: 527 CMR 1.06(2), 527 CMR 40.00**

43.1.8.1.2 Inspection of extinguishing systems shall be conducted to ensure that the performance of the extinguishing system components will not be affected by overspray and residues.

**Regulation: 527 CMR 34.04(2)**

43.1.8.4.2 At the close of the day's operation, all discarded overspray ...

**Regulation: 527 CMR 34.04**

43.1.8.5.1 Approved waste containers shall be provided wherever rags or waste are impregnated with sprayed ...

**Regulation: 527 CMR 14.04(6)**

43.1.8.7.6 Liquid Storage.

**Regulation: 527 CMR 10.07 (NO SMOKING signage only)**

43.1.8.11 Smoking.

**Regulation: 527 CMR 39.04**

43.1.8.12\* Hot Work.

**Regulation: 527 CMR 10.07**

43.7.7 Smoking.

**Regulation: 527 CMR 14.04(7)**

43.9.1.3 Section 43.9 shall not apply to processes that use only noncombustible liquids for processing and cleaning. ...

**Regulation: 527 CMR 33.00**

43.9.2\* Where unusual industrial processes are involved, the AHJ shall be permitted ...

**Regulation: 527 CMR 28.03(2) (b)**

45.5.3.1 from ¾ hour to 1 hour.

**Regulation: 527 CMR 28.03(3) (a)**

45.6.1.1 No single block or pile shall contain more than 7,500 feet<sup>3</sup> of combustible fibers, exclusive of aisles or clearances. ...

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 11.03**

50.2.1.1 Cooking equipment used in processes producing smoke or grease laden-vapors shall be equipped

## **Regulation: 527 CMR 11.04**

50.2.1.2 Certificates. Certificates, where required, shall comply with Section 1.13.

**Regulation: 527 CMR 11.04.150.5.4.1** If the Head of the Fire Department determines that the exhaust system of such operation has not been inspected...

## **Regulation: 527 CMR 11.6.2.1**

50.5.6.2\* Hoods, grease removal devices, fans, ducts, and other appurtenances shall be cleaned to remove combustible contaminants to a minimum ...

## **Regulation: 527 CMR 11.6.2.1 and 11.6.1.3**

50.5.6.2.1 The owner or operator of the Commercial Cooking Operation, or employee thereof, shall not be prohibited from conducting the actual cleaning ...

50.5.6.2.1.1 A qualified individual who will be offering or conducting cleaning or inspection services shall hold a Certificate of Competency issued by the State Fire Marshal.

## **Regulation: 527 CMR 11.6.14.2**

50.5.6.13 When an exhaust cleaning service is used, a certificate showing the name of the servicing company, the name of the person performing the work, ...

## **Regulation: 527 CMR 11**

50.5.6.14.1 If a qualified individual determines that a Commercial Cooking System, after cleaning or inspection thereof, is not in compliance ...

50.5.6.14.1.1 A record of each inspection for grease and related contaminants and each cleaning activity relating to grease buildup shall be produced by the qualified person who conducted said inspection or cleaning.

## **Regulation 527 CMR multiple chapters/sections**

60.1.1 Applicability.

60.1.2 Subjects Not Regulated.

## **Regulation: 527 CMR 22**

60.1.2 (15)

60.1.2 (16).

60.1.2 (17)

## **Regulation: 527 CMR multiple chapters/sections**

60.1.3 Applicability of Sections.

60.1.3.1 Quantities Not Exceeding the Maximum

60.1.3.2 Quantities Exceeding the Maximum Allowable Quantities per Control Area.

60.1.3.3 Limited Applicability of this Chapter for Specific Material Classes.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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## **Regulation: 527 CMR 33.00**

- 60.1.5.1 Emergency Action Plan.
- 60.1.5.2 Activation.
- 60.1.6.1\* When required by the AHJ, new or existing facilities that store, use, or handle hazardous materials ...
- 60.1.6.2 The HMMP shall be reviewed and updated as follows:
- 60.1.6.3 The HMMP shall comply with the requirements of Section 60.5. [400:1.11.3]
- 60.1.7\* Hazardous Materials Inventory Statement (HMIS).
- 60.1.7.1

## **Regulation: 527 CMR 33.02, 527 CMR 14.00, (527 CMR multiple references)**

- 60.2 Special Definitions.
- 60.2.1 Chemical Name. See 3.3.44.
- 60.2.2 Closed System Use. See 3.3.264.1.
- 60.2.3 Control Area. See 3.3.14.3.
- 60.2.4 Dispensing. See 3.3.91.
- 60.2.5 Flammable Solid. See 3.3.234.2.
- 60.2.6 Hazardous Material. See 3.3.173.3.
- 60.2.7 Health Hazard Material. See 3.3.173.5.
- 60.2.8 Highly Toxic Material. See 3.3.173.6.
- 60.2.9 Incompatible Material. See 3.3.173.8.
- 60.2.10 Liquid. See 3.3.165.
- 60.2.11 Open System Use. See 3.3.264.2.
- 60.2.12 Organic Peroxide. See 3.3.188.
- 60.2.12.1 Organic Peroxide Formulation. See 3.3.188.1.
- 60.2.12.1.1 Class I. See 3.3.188.1.1.
- 60.2.12.1.2 Class II. See 3.3.188.1.2.
- 60.2.12.1.3 Class III. See 3.3.188.1.3.
- 60.2.12.1.4 Class IV. See 3.3.188.1.4.
- 60.2.12.1.5 Class V. See 3.3.188.1.5.

## **Regulation: 527 CMR 33.02, 527 CMR 14.00, (527 CMR multiple references)**

- 60.2.13 Oxidizer. See 3.3.191.
- 60.2.13.1 Class 1. See 3.3.191.1.
- 60.2.13.2 Class 2. See 3.3.191.2.
- 60.2.13.3 Class 3. See 3.3.191.3.
- 60.2.13.4 Class 4. See 3.3.191.4.
- 60.2.14 Physical Hazard Material. See 3.3.173.11.
- 60.2.15 Pyrophoric Material. See 3.3.173.12.
- 60.2.16 Solid Material. See 3.3.235.
- 60.2.17 Toxic Material. See 3.3.173.13.
- 60.2.18 Unstable (Reactive) Material. See 3.3.173.14.
- 60.2.19\* Use. See 3.3.264.
- 60.2.20 Water-Reactive Material. See 3.3.173.15.
- 60.3 Classification of Materials, Wastes, and Hazard of Contents.

# Cross Reference Guide to the newly revised Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, (eff. 1-1-15)

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**Regulation: 527 CMR 33.02, 527 CMR 14.00, (527 CMR multiple references)**

60.3.1\* Hazardous Material Classification. Materials shall be classified into one or more of the following categories of hazardous materials, based on the definitions found in Chapter 3, as applicable, and, where provided, a hazard rating in NFPA 704, *Standard System for the Identification of the Hazards of Materials for Emergency Response*, shall be part of the classification:

- (1) Corrosive solids, liquids, or gases
- (2) Flammable solids
- (3) Flammable gases
- (4) Flammable cryogenic fluids
- (5) Inert cryogenic fluids
- (6) Inert gases
- (7) Organic peroxide formulations
- (8) Oxidizer solids or liquids
- (9) Oxidizing gases
- (10) Oxidizing cryogenic fluids
- (11) Pyrophoric solids, liquids, or gases
- (12) Toxic or highly toxic solids, liquids, or gases
- (13) Unstable (reactive) solids, liquids, or gases
- (14) Water-reactive solids or liquids [400:4.1]

**Regulation: 527 CMR 14**

60.4.2.1.1.3.1 A permit shall not be issued in excess of these quantities until such time it is confirmed that the facility is classified and constructed in accordance with the building code as the appropriate H-use, control area or is exempt.

60.4.2.1.1.3 A permit shall not be issued in excess of these quantities until such time that the building official has confirmed the facility is classified and constructed as the appropriate a H-use, control area or is exempt.

**Regulation: 527 CMR 18.01(8)**

60.5.1.3.2 Control and Mitigation of Unauthorized Releases. Provisions shall be made for controlling and mitigating unauthorized releases. [400:6.1.3.2]

**Regulation: 527 CMR 9.07(H)** 60.5.1.3.4\* Notification of Unauthorized Releases.

**Regulation: 527 CMR 6.04 (LP)**

60.5.1.4\* Personnel Training.

**Regulation: 527 CMR 33.06**

60.5.1.4.3.1 Responsible persons shall be designated and trained to be emergency response (ER) liaison personnel. [400:6.1.4.3.1]

60.5.1.4.3.2 Emergency response liaison personnel shall do the following:

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**Regulation: 527 CMR 10.07, 527 CMR 5.08(6) (j), 527 CMR 18.01(7) (c), 527 CMR 15.07(8) (b), 527 CMR 8.21(3), 527 CMR 14.07(4)**

60.5.1.5.1 Smoking. Smoking shall be prohibited in the following locations:

**Regulation: 527 CMR 10.03(14)**

60.5.1.5.3.1\* Powered Industrial Trucks.

**Regulation: 527 CMR 5.00, 527 CMR 6.00, 527 CMR 8.00, 527 CMR 9.00, 527 CMR 14.00, 527 CMR 26.00, 527 CMR 39.00** 60.5.1.6.1 Design and Construction of Containers and Tanks.

**Regulation: 527 CMR 9.03(D), 527 CMR 9.03(G), 527 CMR 9.05(B), 527 CMR 5.07(9) & (10), 527 CMR 15.04**

60.5.1.6.2 Piping, Tubing, Valves, and Fittings.

**Regulation: 527 CMR 5.08(6) (j), 527 CMR 10.07(7), 527 CMR 18.01(7) (c), 527 CMR 15.04(2), 527 CMR 26.07(6), 527 CMR 6.04, 527 CMR 14.07(4)**

60.5.1.8.3 No Smoking Signs.

**Regulation: 527 CMR 26.07(6), 527 CMR 4.03(6) f), 527 CMR 5.07(8), 527 CMR 18.01(10)**

60.5.1.9 Protection from Vehicles.

60.5.1.9.1

**Regulation: 527 CMR 18.01(5), 527 CMR 14.04(8), 527 CMR 8.12**

60.5.1.10.2 Static Accumulation.

**Regulation: 527 CMR 10.03(4), 527 CMR 10.03(5) (2) (25ft from property line req. in 527 CMR)**

60.5.1.15 Outdoor Storage and Use Areas.

**Regulation: 527 CMR 1.06(2) (maintenance of alarm systems)**

60.5.1.16 Maintenance Required.

60.5.1.16.1

**Regulation: 527 CMR 14.03(18) (industrial/commercial)**

60.5.1.18 Hazardous Materials Storage Cabinets.

**Regulation: 527 CMR 9.00, 527 CMR 4.00, 527 CMR 5.00, 527 CMR 6.00, 527 CMR 14.00, 527 CMR 15.00**

60.5.1.19 Installation of Tanks.

**Regulation: 527 CMR 9.05**

60.5.1.19.1.1 Underground storage tanks are regulated by 310 CMR

**Regulation: 527 CMR 9.05, 527 CMR 9.06, 527 CMR 9.07**

60.5.1.19.1.2 In lieu of providing secondary containment for an underground tank, an aboveground tank in an underground vault complying with NFPA 30, ...

**Regulation: 527 CMR 9.03, 527 CMR 9.04, 527 CMR 4.03, 527 CMR 5.05(1), 527 CMR 6.07(1) (c) & (f)**

60.5.1.19.2 Aboveground Tanks.

**Regulation: 527 CMR 33.06**

60.6 Emergency Action Planning, Fire Risk Control and Chemical Hazard Requirements for Industrial Processes.

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## **Regulation: 527 CMR 33.02**

- 60.7 Performance Alternative.
- 60.8 Hazardous Material Process or Processing
  - 60.8.1 General. .
    - 60.8.1.1 Swimming pools regulated by Department of Public Health under 105 CMR 435;
  - 60.8.2.1 Capacity.
  - 60.8.2.2 Category 3 Hazard Evaluation.
  - 60.8.2.3 Category 4 Limited Safety Program
  - 60.8.2.4 Category 5 Program shall:
  - 60.8.2.5 Competent Professional.
  - 60.8.2.6 Facility.
  - 60.8.2.7 Facility Category.
  - 60.8.2.8 High-hazard Group H..
  - 60.8.2.9 Hazardous Process Category.
  - 60.8.2.10 Incident.
  - 60.8.2.11 Mixture.
  - 60.8.2.12 Person.
  - 60.8.2.13 Vessel.

## **Regulation: 527 CMR 33.03(2)**

- 60.8.3 Multiple Processes.
  
- 60.8.4 Permits.
  - 60.8.4.1, 60.8.4.2, 60.8.4.3, 60.8.4.4

## **Regulation: 527 CMR 33.04**

## **Regulation: 527 CMR 33.05**

- 60.8.5 Compliance Requirements
  - 60.8.5.1

## **Regulation: 527 CMR 33.07**

- 60.8.6 Post-Incident Analysis.
  - 60.8.6.1, 60.8.6.1.1, 60.8.6.1.2, 60.8.6.1.3.

## **Regulation: CMR 2.03; 2:04**

- 60.8.7 Trade Secrets.
  - 60.8.7.1, 60.8.7.2, 60.8.7.3
- 65.1.3 Certificates.

## **Regulation: CMR 2.03**

- 65.1.4 A barrier as used in Chapter 65 is ...
  - 65.1.4.1 *Natural Barrier-*
  - 65.1.4.2 *Physical Barrier-*

## **Regulation: 527 CMR 2.08(2)**

- 65.2.1 The construction, handling, and use of fireworks intended solely for outdoor display as well as the general conduct and operation of the display shall comply with the requirements of NFPA 1123, ....

## **Regulation: 527 CMR 2.06(4) (a)-(c)**

- 65.2.4 Delivery of Fireworks.
  - 65.2.4.1, 65.2.4 .2, 65.2.4.3, 65.2.4.3.1

## **Regulation: 527 CMR 2.08(3) (b)**

- 65.2.5 Requirements for Display Fireworks
  - 65.2.5.1, 65.2.5.2

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**Regulation: 527 CMR 2.08(3) (g)**

65.2.6 Nighttime Fireworks.

65.2.6.1

**Regulation: 527 CMR 2.08(3) (i)**

65.2.7 Fire Department Coordination.

**Regulation: 527 CMR 2.08(4) (a)**

65.2.8 No fireworks display shall include mortars or shells in excess of 12 inches in diameter unless the technician shall have obtained prior written approval from the Marshal.

**Regulation: 527 CMR 2.08(4) (b)**

65.2.9 Multiple shot mortar devices using mortars less than three inches in diameter including, ...

**Regulation: 527 CMR 2.08(4) (c)**

65.2.10 The use of aluminum mortars is prohibited.

**Regulation: 527 CMR 2.08(7) (c)**

65.2.11 All supervised displays of fireworks shall be electrically fired. Mortars shall not be reloaded.

**Regulation: 527 CMR 2.08(7) (d)**

65.2.12 All electrical firing units shall display a decal issued by the Marshal for a term determined by the Marshal. ...

65.2.13 The unit shall be operated in accordance with the manufacturer's instructions.

**Regulation: 527 CMR 2.08(5) (c) 1**

65.2.14 Parrell racks or rows of racks shall be separated by a minimum distance not less than twice the inside diameter of the largest mortar in an adjacent rack.

**Regulation: 527 CMR 2.09(3) (c)**

65.3.4 The use of pyrotechnic special effects indoors is prohibited in nightclubs, discotheques, dance halls, bars or similar occupancies. ...

65.3.5 The use of pyrotechnic special effects indoor in entertainment venues ...

65.3.6 Approval of the use of pyrotechnic special effects shall be subject to such terms and conditions as the Head of the Fire Department may require.

**Regulation: 527 CMR 2.09(10)**

65.3.7 No bombs, salutes, roman candles, skyrockets, firecrackers, torpedoes, or similar pyrotechnic shall be used before a proximate audience unless specifically approved in writing by the Marshal.

**Regulation: 527 CMR 2.09(13)**

65.3.8 The theatre, auditorium, or similar facility shall certify that the proscenium protection is in compliance with the building code.

**Regulation: 527 CMR 2**

65.3.9 Electrical firing panels shall comply with 65.2.12 and 65.2.13. A performer shall not be required to comply with 65.2.12, if firing a single special effect.

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**Regulation: 527 CMR 2.09(3) (b)**

65.4.1.1 The use of flame effects indoors is prohibited in nightclubs, discotheques, dance halls, bars or similar occupancies. ...

**Regulation: 527 CMR 2.05**

65.5.1 The manufacture, transportation, or storage of fireworks shall comply with NFPA 1124 Chapters 1-5 and Chapters 8. Chapters 6 and 7 are deleted.

**Regulation: 527 CMR 2.05(3)**

65.5.1.3 No person shall manufacture fireworks except in accordance with this *Code*. ....  
65.6.1 Permit. Permits where required, shall comply with section 1.12.

**Regulation: 527 CMR 13.09**

65.9.1 The manufacture, transportation, storage, sale, and use of explosive materials shall comply with NFPA 495, *including appendix A, C, D and E*, and NFPA 498,

**Regulation: 527 CMR 13**

65.9.1.1 All magazines containing explosive materials shall be opened and inspected at maximum intervals of 7 days ...

**Regulation: 527 CMR 13.03**

65.9.1.2 Unless otherwise expressly state, the following terms, for the purposes of this section shall have the following meanings:

- 65.9.1.2.1Blasting Mat.
- 65.9.1.2.2Blasting Operation.
- 65.9.1.2.3Boosters.
- 65.9.1.2.4Burden.
- 65.9.1.2.5Electric Squib.
- 65.9.1.2.6Safety Fuse.
- 65.9.1.2.7Special Industrial Explosives Device.
- 65.9.1.2.8Spacing..
- 65.9.1.2.9Stemming.
- 65.9.1.2.10Way.

**Regulation: 527 CMR 13.13**

65.9.3 In addition to the fire resistant provisions in section 3.3.44.1\* of NFPA 495 exterior walls of magazines constructed of wood, may mean fire resistance equivalency provided by sheet metal of not less than 26 gauge.

**Regulation: 527 CMR 13.05(4)**

65.9.4 Storage of Explosives on Water.  
65.9.4.1



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## **Regulation: 527 CMR 13.05(13) and (12)**

65.9.5 The requirements of 65.9 shall be in addition to applicable U.S. Department of Transportation (U.S. Coast Guard) Regulations, 33 CFR 126 and 46 CFR 194.

65.9.5.1 Magazine Alteration.

65.9.5.2 Equivalent Alternate Construction Standards.

65.9.5.3 Magazines shall be sequentially numbered in minimum two inch block numbers plainly visible on the outside....

65.9.5.4 Magazines shall be plainly posted on the interior side of the magazine door with the current Table of Distance storage capacity.

65.9.5.5 Each magazine shall at all times be under the control of a competent person. ...

## **Regulation: 527 CMR 13.05(11)**

65.9.6 Storage of Explosives:

65.9.6.1, 65.9.6.2, 65.9.6.3

## **Regulation: 527 CMR 13.06(4)**

65.9.7 Underground Transportation of Explosives.

65.9.7.1, 65.9.7.2, 65.9.7.3, 65.9.7.4, 65.9.7.5

## **Regulation: 527 CMR 13.09(L) and (M)**

65.9.8 Blast Analysis.

65.9.8.1

65.9.8.2.

65.9.8.3 Blast Plan.

65.9.8.3.1,

65.9.8.4 Blasting Precautions, 65.9.8.4.1, 65.9.8.4.2.

65.9.8.4.3, 65.9.8.4.4

## **Regulation: 527 CMR 13.09(h)**

65.9.9 No blast shall be fired until the blaster-in-charge has made certain that all surplus explosive materials are in a safe place, ...

## **Regulation: 527 CMR 13.09(h) 1**

65.9.10 No blast shall be fired without a positive signal from the blaster-in-charge and only the blaster-in-charge shall fire the blast.

## **Regulation: 527 CMR 13.09(7) (b)**

65.9.12 Whenever quarry blasting is conducted within 500 feet of building(s) ...

## **Regulation: 527 CMR 13.09(7) (c)**

65.9.13 Alternative Allowable Vibration Levels:

## **Regulation: 527 CMR 13.09(8)**

65.9.14 Blaster's Log

65.9.14.1, 65.9.14.2, 65.9.14.3, 65.9.14.4, 65.9.14.4.1

65.9.14.4.2, 65.9.14.4.3

## **Regulation: 527 CMR 13.09(10)**

65.9.15 Preblast Inspection Surveys.

65.9.15.1, 65.9.15.1.1, 65.9.15.1.1.1, 65.9.15.1.1.2

65.9.15.1.1.3, 65.9.15.1.1.4, 65.9.15.1.2, 65.9.15.1.3

## **Regulation: 527 CMR 13.09(11)**

65.9.16 Underwater Blasting.

65.9.16.1, 65.9.16.2, 65.9.16.3, 65.9.16.4, 65.9.16.5.

65.9.16.6, 65.9.16.7.

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**Regulation: 527 CMR 13.09(12)**

65.9.17 Charge Activated Device.

**Regulation: 527 CMR 13.09(13)**

65.9.18 Blasting Regulatory Review

65.9.18.1, 65.9.18.2, 65.9.18.3, 65.9.18.4, 65.9.18.5

**Regulation: 527 CMR 13.10**

65.9.19 Explosive Manufacturing

65.9.19.1, 65.9.19.2, 65.9.19.3, 65.9.19.4

**Regulation: 527 CMR 13.12(3)**

65.9.20 Explosives Transaction Records.

65.9.20.1, 65.9.20.2

**Regulation: 527 CMR 13.12(3) (c)**

65.9.21 Discontinuance of Business:

**Regulation: 527 CMR 13.12(3) (d)**

65.9.22 Any person who transports or delivers explosive materials to any magazine, building or structure shall keep a record ...

**Regulation: 527 CMR 13.12(4)**

65.9.23 Theft.

**Regulation: 527 CMR 13.12(7)**

65.9.24 The Marshal or his designee may, in his discretion, upon discovering a violation ...

**Regulation: 527 CMR 13.12(8)**

65.9.25 Any explosion, fire or collision occurring in connection with the keeping, storage, manufacture, sale, transportation or use of explosive material causing loss of life or injury ...

**Regulation: 527 CMR 13.12(10)**

65.9.26 Any person, firm or corporation in the Commonwealth who keeps, uses, sells, transports or stores any explosive shall keep a record ...

**Regulation: 527 CMR 13.12(12)**

65.9.27 Laboratories: Industrial laboratories, laboratories of technical institutes, colleges, universities, and similar institutions may be permitted to keep, store and use explosives or blasting agents ...

**Regulation: 527 CMR 2.03**

65.10 The possession and use of consumer fireworks is prohibited in the Commonwealth unless part of a Display Firework shows in accordance with 65.2 or part of a Pyrotechnics before a Proximate Audience in conformance with 65.3.

**Regulation: 527 CMR 22.01(1)**

65.11 Cannon or Mortar Firing

65.11.1, 65.11.1.1, 65.11.1.2

**Regulation: 527 CMR 22.03(1)**

65.11.2 Permits. Permits, where required, shall comply with 1.12

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## **Regulation: 527 CMR 22.02**

65.11.3 Definitions. The following terms shall have the meanings assigned to them for purposes of this section of code only:

- 65.11.3.1 Blank-fire.
- 65.11.3.2 Cannon.
- 65.11.3.3 Display.
- 65.11.3.4 Live-fire.
- 65.11.3.5 Mortar.
- 65.11.3.6 Range.

## **Regulation: 527 CMR 22.05**

65.11.4 Range Conditions and Other Pre-firing Requirements

65.11.4.1, 65.11.4.2

65.11.4.3 The firing of the cannon shall comply with the following:

## **Regulation: 527 CMR 22.06**

5.11.5: Magazines and Powder

65.11.5.1 All ammunition and powder shall comply with the following:

## **Regulation: 527 CMR 14**

66.1.1\* The storage, handling, and use of flammable and combustible liquids, including waste liquids, as herein defined and classified, shall comply with ...

## **Regulation: 527 CMR 9.03(c) (1) (b)**

66.21.4.1.6 Pre-fabricated tanks and dikes.

66.21.7.4.3 1 General, Underground Takes...

66.21.7.4.3.2 Temporary Closures.

66.21.7.4.3.2.1

66.21.7.4.3.3 Permanent Closure in Place.

## **Regulation: 527 CMR 18.01(10)**

66.28.1.1 Damage Protection.

66.28.1.2 Bottom Loading Facilities

## **Regulation: 527 CMR 6.07(1)**

69.1.1.1 The storage, use, and handling of liquefied petroleum gases (LP-Gas) upstream from the outlet of the first stage regulator shall comply with the requirements of this chapter; ...

## **Regulation: 527 CMR 1**

69.1.1.4 Certificates. Certificates, where required, shall comply with Section 1.12.8.51 and Section 1.13 applicable.

## **Regulation: 527 CMR 6.03**

69.1.3 Definitions. The following terms and regulatory references shall have the meanings respectively assigned to them:

69.1.3.1 Abandoned.

## **Regulation: 527 CMR 6.4.2**

69.1.4 LP-Container, Filling, Shipment, Odorization, and Testing Requirements.

## **Regulation: 527 CMR 6.4.2.4.1**

69.1.4.1 Railcar Shipments.

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**Regulation: 527 CMR 6.4.2.5**

69.1.4.2 Odorization Thresholds, Testing and filling of Containers:

**Regulation: 527 CMR 6.4.2.6**

69.1.4.3 Records.

69.1.4.3.1 Tests results shall be made available to the AHJ upon request.

**Regulation: 527 CMR 6.4.4**

69.1.4.4 Effective September 1,2014, each person handling LP-gas in the quantities of 42lbs (ten gallons) or greater, shall be trained, ...

**Regulation: 527 CMR 6.4.7**

69.1.4.5 Field Equipment Identification.

69.1.4.5.1 Emergency and Reporting Procedure.

**Regulation: 527 CMR 6.4.8.1.2**

69.1.4.6 In situations where the AHJ has directed an LP-gas provider to take corrective action, the provider shall immediately ...

**Regulation: 527 CMR 6.3.7(1)**

69.3.3.8 The distance measured with a three foot arc from the point of discharge ...

Regulation: 527 CMR 6.07(1)

69.3.12.6.3 The owner of the storage equipment shall be responsible for the installation of the LP-gas facility and for maintaining it in a safe operating condition.

**Regulation: 527 CMR 6.06(2)**

69.3.12.6.4 No person shall install, remove, connect, disconnect, fill or refill any LP-gas container without permission of the owner of the container.

**Regulation: 527 CMR 6.06(3)**

69.3.12.6.5 Only a trained individual ...

**Regulation: 527 CMR 6.06(4)**

69.3.12.6.6 The Marshal may order the user of a system in writing to meet additional requirements:

**Regulation: 527 CMR 6.8.2.1.6(4)**

69.3.13.4.4 "NO SMOKING" and "STOP ENGINE WHEN REFUELING" signs shall be displayed ...

**Regulation: 527 CMR 6.08.2.1.6**

69.5.2.1.6 Areas used for the storage of containers or cylinders awaiting use or resale shall post ... .