

40 Storage of Distilled Spirits and Wines					
4004.4	Bulk Beverage Storage Areas	recommend striking of Bulk or defining the term	No	Yes	Proposal Needed
<b>4004.4 Bulk beverage storage areas.</b> There shall be no storage of combustible materials in the bulk beverage storage areas not related to the beverage storage activities.					
4005.1	Palletized storage of distilled spirits in wooden barrels.	New section		No	
<b>4005.1 Palletized storage of distilled spirits in wooden barrels.</b> The palletized storage of distilled spirits in wooden barrels shall be protected by an <i>approved automatic sprinkler system</i> installed throughout the building in accordance with Section 903.3.1.1 as modified in this section. The palletized storage of metal containers of distilled spirits shall be protected by an <i>approved automatic sprinkler system</i> that complies with Chapter 57.					
4005.1.1	Storage height.	New section		No	
<b>4005.1.1 Storage height.</b> Palletized storage arrays of barrels stored on end shall be limited to a maximum of seven pallets high.					
4005.1.2	Flue spaces.	New section		No	
<b>4005.1.2 Flue spaces.</b> Flue spaces with a minimum width of 6 inches (152 mm) shall be maintained between adjacent pallets.					
4005.1.3	Loading aisles.	New section		No	
<b>4005.1.3 Loading aisles.</b> Palletized storage that is provided with a defined loading aisle between pallet storage areas shall be arranged using one of the following: <ol style="list-style-type: none"> <li>Draft curtains, installed in accordance with Section 4005.1.3.1, shall be provided along the side of palletized storage facing the loading aisle to separate the quick-response sprinklers and standard-response sprinklers.</li> <li>A trench drain shall be provided on each side of the loading aisle, arranged to capture any spilled distilled spirits in the aisle space and remove them from the building to prevent spills from spreading into the barrel storage area.</li> <li>Barrels shall be banded on each pallet to prevent barrels from falling off pallets during transportation and loading into the storage racks.</li> </ol>					
4005.1.3.1	Draft curtains.	New section		No	
<b>4005.1.3.1 Draft curtains.</b> Where installed in accordance with Section 4005.1.3, Item 1, draft curtains shall be designed and constructed in accordance with Sections 4005.1.3.1.1 through 4005.1.3.1.3.					
4005.1.3.1.1	Construction.	New section		No	
<b>4005.1.3.1.1 Construction.</b> Draft curtains shall be constructed of sheet metal, lath and plaster, gypsum board or other <i>approved</i> noncombustible materials that provide equivalent performance to resist the passage of smoke. Joints and <u>connections</u> shall be designed to resist the passage of smoke.					
4005.1.3.1.2	Location.	New section		No	
<b>4005.1.3.1.2 Location.</b> Draft curtains shall be located along loading aisles serving storage areas.					
4005.1.3.1.3	Depth.	New section		No	
<b>4005.1.3.1.3 Depth.</b> Draft curtains shall extend vertically downward from the ceiling for a minimum distance of 20 percent of the ceiling height measured from the floor, with a minimum depth of 6 feet (1829 mm).					
4005.1.4	Automatic sprinkler system design.	New section		No	

**4005.1.4 Automatic sprinkler system design.** Storage heights and automatic sprinkler densities for palletized on-end barrels shall be in accordance with Table 4005.1.4 and Sections 4005.1.4.1 through 4005.1.4.6.

TABLE 4005.1.4	PALLETIZED STORAGE OF DISTILLED SPIRITS WITH UP TO 75 PERCENT ALCOHOL BY VOLUME IN WOODEN BARRELS	New table		No
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TABLE 4005.1.4—PALLETIZED STORAGE OF DISTILLED SPIRITS WITH UP TO 75 PERCENT ALCOHOL BY VOLUME IN WOODEN BARRELS						
PROTECTION AREA	SPRINKLER SYSTEM TYPE	MAXIMUM CEILING HEIGHT (feet)	MAXIMUM STORAGE HEIGHT	CEILING SPRINKLER PROTECTION		
				Response/Nominal Temperature Rating/Orientation	K-Factor (gpm/psi <sup>1/2</sup> )	Design <sup>a</sup> , # of Sprinklers @ Pressure (psi)
Barrel storage	Wet-pipe	30	24 feet or 7 barrels	QR/165°F/Pendent	14.0	12 @ 18
	Dry-pipe			SR/286°F/Upright	16.8	24 @ 13
	Wet-pipe	30	1 barrel	Any/165°F/Any	11.2	30 @ 7
	Dry-pipe			SR/286°F/Upright	11.2	50 @ 7
	Wet-pipe	30	2 barrels	SR/286°F/Any	11.2	50 @ 29
Loading aisle w/ draft curtain	Wet-pipe or Dry-pipe	30	NA	SR/286°F/Any	5.6	100 @ 13
					> 8.0	100 @ 7
Loading aisle w/ trench drains or banded barrels or no permanent loading aisle	Provide the barrel storage design across the entire roof area (i.e., storage area and loading aisle).					

TABLE 4005.1.4—PALLETIZED STORAGE OF DISTILLED SPIRITS WITH UP TO 75 PERCENT ALCOHOL BY VOLUME IN WOODEN BARRELS—continued						
<small>For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m<sup>2</sup>, 1 pound per square inch (psi) = 6.895 kPa, K-factor of 1 gpm/psi<sup>1/2</sup> = 14.395 L/min/bar<sup>1/2</sup>, °C = (°F - 32)/1.8.                      QR = Quick Response; SR = Standard Response; NA = Not Applicable.                      a. Sprinklers shall have a maximum coverage area of 100 square feet.</small>						

4005.1.4.1	Protected product.	New section		No
<p><b>4005.1.4.1 Protected product.</b> The storage and automatic sprinkler requirements in Table 4005.1.4 apply to alcohol-water mixtures greater than 20 percent and up to 75 percent alcohol by volume in wooden barrel sizes not exceeding 130 gallons (492 L).</p>				
4005.1.4.2	Hose stream allowance.	New section		No
<p><b>4005.1.4.2 Hose stream allowance.</b> The automatic sprinkler design shall include a 500 gallons per minute (1900 L/min) hose stream allowance.</p>				
4005.1.4.3	Water supply duration.	New section		No
<p><b>4005.1.4.3 Water supply duration.</b> The automatic sprinkler system water supply duration, including hose stream demand, shall be a minimum of 1 hour.</p>				
4005.1.4.4	Automatic sprinkler system balancing.	New section		No

**4005.1.4.4 Automatic sprinkler system balancing.** Where a permanent loading aisle is provided with a separate *automatic sprinkler system* on the ceiling, the barrel storage automatic sprinkler design and the loading aisle automatic sprinkler design are not required to be balanced at the point of connection.

4005.1.4.5	Dry pipe sprinkler systems.	New section		No	
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**4005.1.4.5 Dry pipe sprinkler systems.** Where dry-pipe sprinkler systems are installed, the sprinkler system shall be designed to deliver water to the most remote four sprinklers within 40 seconds.

4005.1.4.6	Small distilled spirits facilities.	New section		No	
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**4005.1.4.6 Small distilled spirits facilities.** Fire protection for palletized storage of distilled spirits in small distilled spirits facilities not greater than 7,500 square feet (697 m<sup>2</sup>) is permitted to be in accordance with Sections 4005.1.4.6.1 through 4005.1.4.6.3.

4005.1.4.6.1	Ceiling clearance.	New section		No	
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**4005.1.4.6.1 Ceiling clearance.** The clearance from the top of storage to the deflector of the automatic sprinklers at the ceiling shall be a minimum of 18 inches (457 mm) and a maximum of 10 feet (3048 mm).

4005.1.4.6.2	Automatic sprinkler coverage area.	New section		No	
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**4005.1.4.6.2 Automatic sprinkler coverage area.** The automatic sprinkler coverage area shall not exceed 80 square feet (7.4 m<sup>2</sup>) per sprinkler.

4005.1.4.6.3	Fire protection scheme.	New section		No	
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**4005.1.4.6.3 Fire protection scheme.** The storage arrangement and *automatic sprinkler system* design shall be in accordance with Table 4005.1.4.6.3.

TABLE 4005.1.4.6.3	PALLETIZED STORAGE OF DISTILLED SPIRITS IN WOODEN BARRELS IN SMALL DISTILLED SPIRITS FACILITIES	New table		No	
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**TABLE 4005.1.4.6.3—PALLETIZED STORAGE OF DISTILLED SPIRITS IN WOODEN BARRELS IN SMALL DISTILLED SPIRITS FACILITIES**

PROTECTION AREA	SPRINKLER SYSTEM TYPE	MAXIMUM CEILING HEIGHT (feet)	MAXIMUM STORAGE HEIGHT (feet)	CEILING SPRINKLER PROTECTION			
				Response/Temperature Rating/Orientation	K-Factor (gpm/psi <sup>1/2</sup> )	Sprinkler Density (gpm/ft <sup>2</sup> )	Area (square feet)
Barrel storage	<u>Wet-pipe</u>	24	12	SR/286°F/Any	≥ 11.2	0.35	4,000
				SR/165°F/Any	≥ 11.2	0.35	7,500
For SI: 1 foot = 304.8 mm, 1 pound per square inch (psi) = 6.895 kPa, K-factor of 1 gpm/psi <sup>1/2</sup> = 14.395 L/min/bar <sup>1/2</sup> , °C = (°F - 32)/1.8, 1 gallon per minute per square foot = 40.75 L/min/m <sup>2</sup> . SR = Standard Response.							

4005.2	Rack storage in wooden barrels.	New section		No	
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**4005.2 Rack storage in wooden barrels.** The rack storage of distilled spirits and wine greater than 20 percent alcohol shall be protected by an *approved automatic sprinkler system* installed throughout in accordance with Section 903.3.1.1 and Sections 4005.2.1 through 4005.2.3.6.



4005.2.1	Flue spaces for on-side wooden barrels.	New section		No	
<b>4005.2.1 Flue spaces for on-side wooden barrels.</b> Rack storage for on-side wooden barrels shall be provided with a minimum width of 8 inches (203 mm) between adjacent rows of barrels.					
4005.2.1.1	Elevated walkways.	New section		No	
<b>4005.2.1.1 Elevated walkways.</b> Where provided, elevated walkways between barrels shall be constructed in accordance with one of the following: 1. Noncombustible materials that are 50 percent open. 2. Noncombustible materials that are open less than 50 percent, provided that the walkway has a maximum width of 1 foot (305 mm) and a minimum gap of 3 inches (76 mm) is provided between the walkway and the barrel storage. 3. Combustible materials that are provided with a row of automatic sprinklers directly beneath each walkway.					
4005.2.2	Flue spaces for on-end wooden barrels.	New section		No	
<b>4005.2.2 Flue spaces for on-end wooden barrels.</b> Rack storage arrangements with on-end wooden barrels shall be provided with transverse and longitudinal flue spaces with a minimum width of 6 inches (152 mm).					
4005.2.3	Fire protection for rack storage.	New section		No	
<b>4005.2.3 Fire protection for rack storage.</b> Rack storage arrangements of alcohol-water mixtures up to 75 percent alcohol in wooden barrels with sizes not exceeding 130 gallons (492 L) shall be protected in accordance with Sections 4005.2.3.1 through 4005.2.3.6.					
4005.2.3.1	Hose stream allowance.	New section		No	
<b>4005.2.3.1 Hose stream allowance.</b> The <i>automatic sprinkler system</i> design shall include a 500-gallon-per-minute (1900 L/min) hose stream allowance.					
4005.2.3.2	Water supply duration.	New section		No	
<b>4005.2.3.2 Water supply duration.</b> The <i>automatic sprinkler system</i> water supply duration, including hose stream demand, shall be a minimum of 1 hour.					
4005.2.3.3	Dry-pipe automatic sprinkler systems.	New section		No	
<b>4005.2.3.3 Dry-pipe automatic sprinkler system.</b> Where <i>dry-pipe automatic sprinkler systems</i> are installed, the <i>automatic sprinkler system</i> shall be designed to deliver water to the most remote four sprinklers within 40 seconds.					
4005.2.3.4	Ceiling automatic sprinkler systems.	New section		No	
<b>4005.2.3.4 Ceiling automatic sprinkler systems.</b> The <i>automatic sprinkler systems</i> installed at the ceiling shall be designed with a minimum density of 0.2 gallon per minute (0.8 L/min) per square foot with an operating area of 2,000 square feet (186 m <sup>2</sup> ).					
4005.2.3.5	Automatic sprinkler system balancing.	New section		No	
<b>4005.2.3.5 Automatic sprinkler system balancing.</b> The <i>automatic sprinkler system</i> installed at the ceiling and the in-rack sprinkler system shall be balanced at the point of connection.					
4005.2.3.6	Automatic sprinkler system design.	New section		No	

**4005.2.3.6 Automatic sprinkler system design.** The design of the *automatic sprinkler system at the ceiling and the in-rack sprinkler system shall be in accordance with Table 4005.2.3.6.*

FIGURE 4005.2.3.6(1)	IN-RACK SPRINKLER LAYOUT FOR WOODEN BARRELS ON THEIR SIDES (PLAN VIEW)	New figure		No	
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**FIGURE 4005.2.3.6(1)—IN-RACK SPRINKLER LAYOUT FOR WOODEN BARRELS ON THEIR SIDES (PLAN VIEW)**

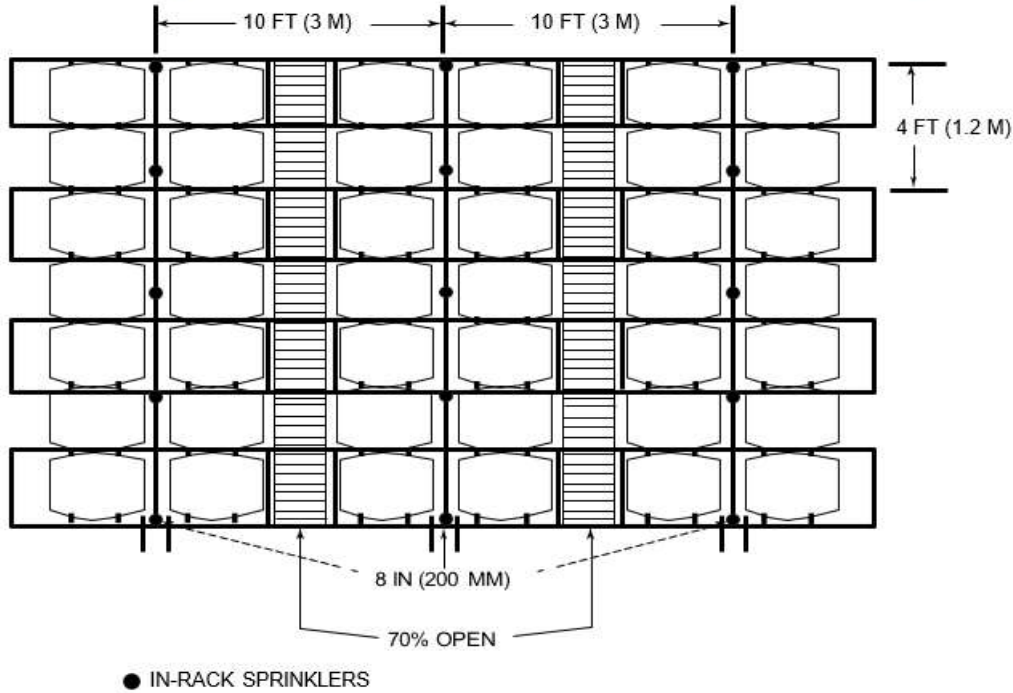


Figure credit: FM Global Property Loss Prevention Data Sheet 7-29

FIGURE 4005.2.3.6(2)	IN-RACK SPRINKLER LAYOUT FOR WOODEN BARRELS ON THEIR SIDES (ELEVATION VIEW)	New figure		No	
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FIGURE 4005.2.3.6(2)—IN-RACK SPRINKLER LAYOUT FOR WOODEN BARRELS ON THEIR SIDES (ELEVATION VIEW)

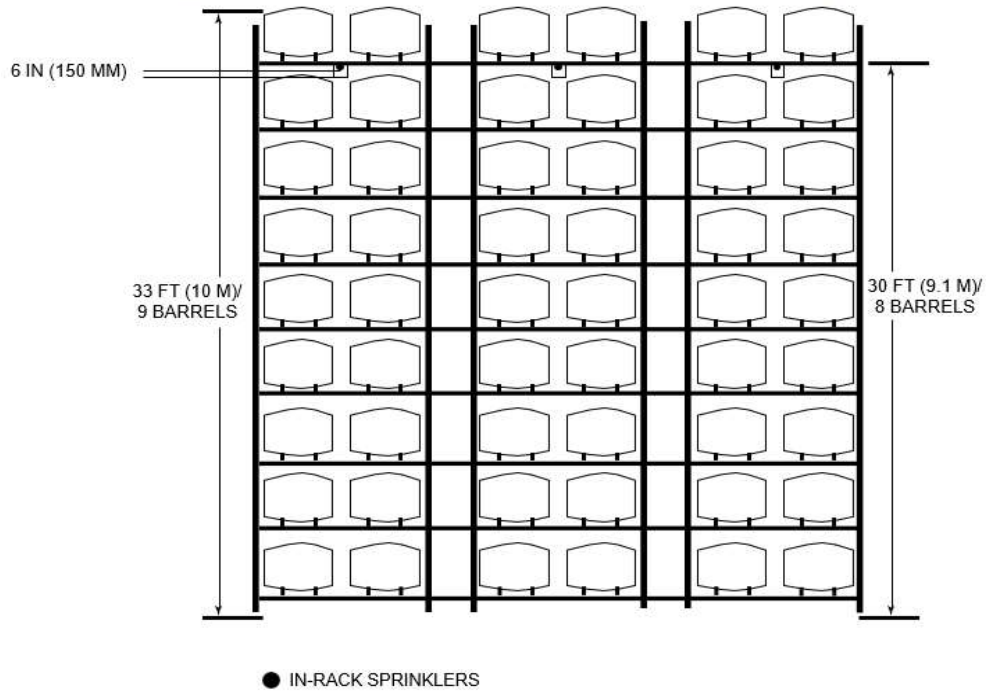


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FIGURE 4005.2.3.6(3)	IN-RACK SPRINKLER LAYOUT FOR SINGLE-ROW RACK OF ON-END WOODEN BARRELS	New figure		No	
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FIGURE 4005.2.3.6(3)—IN-RACK SPRINKLER LAYOUT FOR SINGLE-ROW RACK OF ON-END WOODEN BARRELS

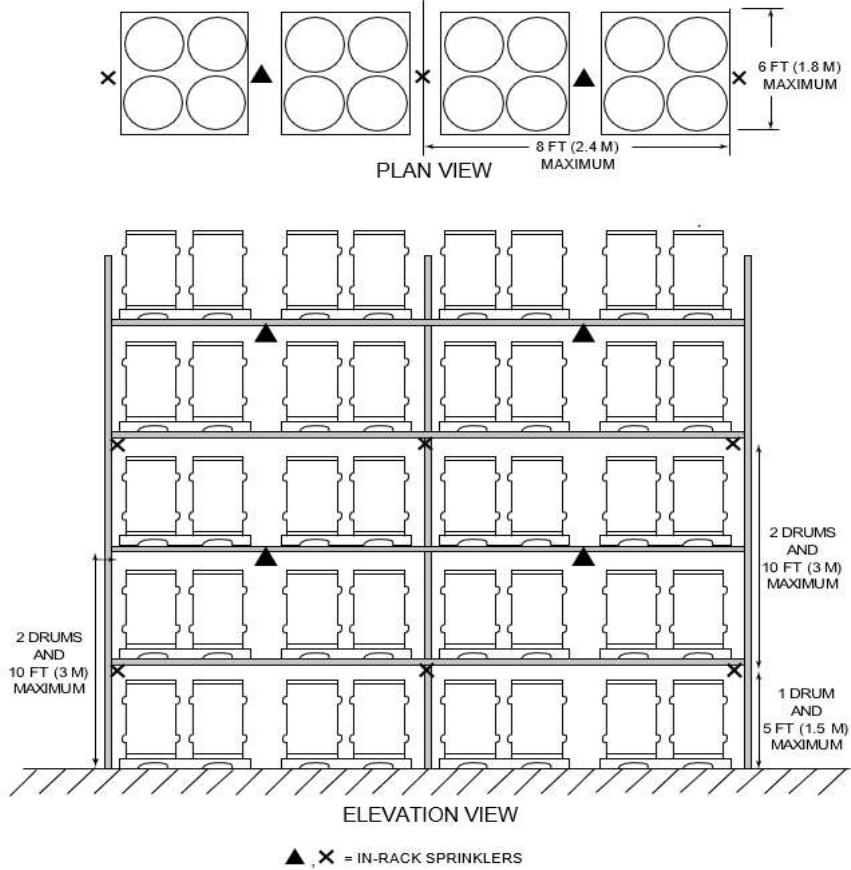


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FIGURE 4005.2.3.6(4)	IN-RACK SPRINKLER LAYOUT FOR DOUBLE-ROW RACK OF ON-END WOODEN BARRELS	New figure		No	
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FIGURE 4005.2.3.6(4)—IN-RACK SPRINKLER LAYOUT FOR DOUBLE-ROW RACK OF ON-END WOODEN BARRELS

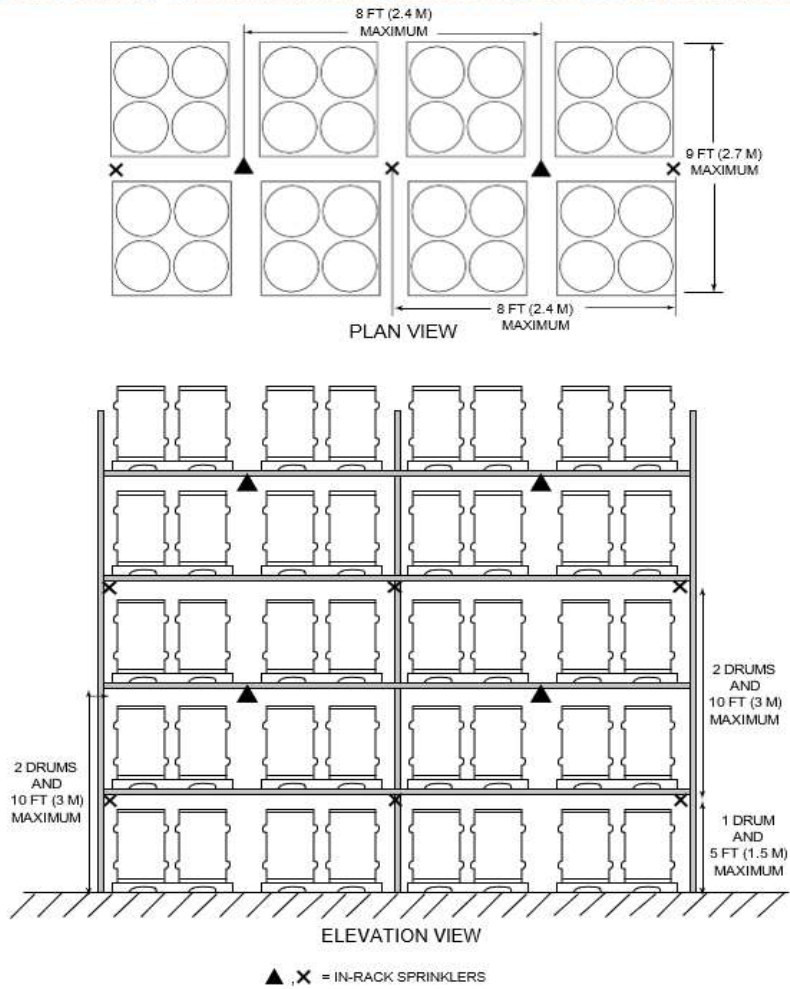


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FIGURE 4005.2.3.6(5)	IN-RACK SPRINKLER LAYOUT FOR MULTI-ROW RACK OF ON-END WOODEN BARRELS	New figure		No	
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FIGURE 4005.2.3.6(5)—IN-RACK SPRINKLER LAYOUT FOR MULTIPLE-ROW RACK OF ON-END WOODEN BARRELS

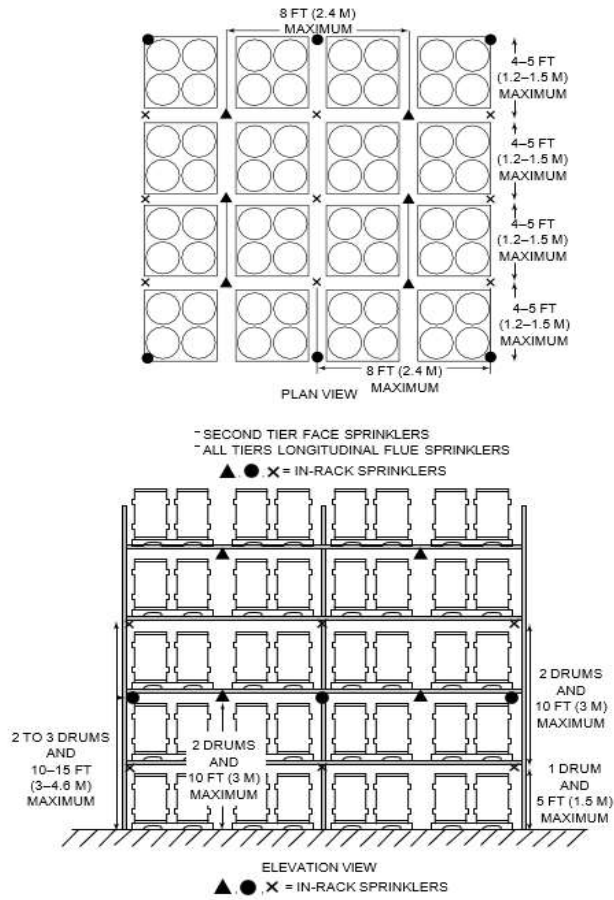


Figure credit: FM Global Property Loss Prevention Data Sheet 7-29

TABLE 4005.2.3.6	RACK STORAGE OF DISTILLED SPIRITS IN WOODEN BARRELS	New table		No	
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**TABLE 4005.2.3.6—RACK STORAGE OF DISTILLED SPIRITS IN WOODEN BARRELS**

BARREL ARRANGEMENT	SPRINKLER SYSTEM TYPE	MAXIMUM CEILING HEIGHT (feet)	MAXIMUM STORAGE HEIGHT (feet)	MINIMUM AISLE WIDTH (feet)	CEILING SPRINKLER PROTECTION			IN-RACK SPRINKLER PROTECTION			
					Response/ Nominal Temperature Rating/ Orientation	K-Factor (gpm/psi <sup>1/2</sup> )	Design, # of Sprinklers @ Pressure (psi)	Layout	Response/ Nominal Temperature Rating/ Orientation	K-Factor (gpm/psi <sup>1/2</sup> )	Design, # of Sprinklers @ Pressure (psi)
On-side	Wet	40	33 feet/ 9 barrels	NA	QR/165°F/ Pendent	14.0	12 @ 37	None			
					SR/286°F/Any	≥ 11.2	20 @ 7	Figures 4005.2.3.6(1) and 4005.2.3.6(2)	QR/165°F/Any	8.0	6 @ 45 (one level of in-racks) or 12 @ 45 (more than one level of in racks)
	Dry	40	33 feet/ 9 barrels	NA	SR/286°F/ Upright	16.8	24 @ 25	None			
					SR/286°F/ Upright	≥ 11.2	20 @ 7	Figures 4005.2.3.6(1) and 4005.2.3.6(2)	QR/165°F/ Upright	8.0	6 @ 45 (one level of in-racks) or 12 @ 45 (more than one level of in racks)
On-end	Wet	30	25 feet/ 5 barrels	8	SR/286°F/Any	≥ 11.2	50 @ 7	Figures 4005.2.3.6(3), 4005.2.3.6(4) and 4005.2.3.6(5)	QR/165°F/Any	≥ 8.0	6 @ 25 (one level) or 12 @ 25 (more than one level)

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m<sup>2</sup>, 1 pound per square inch (psi) = 6.895 kPa, K-factor of 1 gpm/psi<sup>1/2</sup> = 14.395 L/min/bar<sup>1/2</sup>, °C = (°F - 32)/1.8.  
 QR = Quick Response; SR = Standard Response; NA = Not Applicable.  
 a. Sprinklers shall have a maximum coverage area of 100 square feet.

4005.3	Wine with 20 percent or less alcohol content.	New section		No
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**4005.3 Wine with 20 percent or less alcohol content.** The storage of wine in barrels with an alcohol content of 20 percent or less shall be protected by an approved automatic sprinkler system installed throughout in accordance with Section 903.3.1.1.

**Cost Commentary**—One of the conceptual changes is the threshold at which the percentage of alcohol results in a higher classification of hazard. Traditionally, beverages with an alcohol content greater than 16% were considered to present a higher level of hazard and were therefore placed into Group F-1 for manufacturing and packaging and Group S-1 for storage. Recent testing by FM Global demonstrates that the 16% threshold was too conservative and the threshold is being revised to 20%. This code change will not increase the cost of construction. Chapter 40 of the Fire Code already requires an approved fire sprinkler system for new distilleries and storage facilities for distilled spirits. This code change does not increase that requirement but will provide guidance and consistency in how jurisdictions apply the fire sprinkler requirement.

41 Temporary Heating and Cooking Operations					
4101.1	General	Define "Temporary", may need a definition section added or utilize and insert/adopt: <b>3103.4 Use period.</b> Temporary tents, air-supported, air-inflated or tensioned membrane structures shall not be erected for a period of more than 180 days within a 12-month period on a single premises or dependent on the AHJ?	No	Yes	Proposal Needed to define Temporary

<p><b>4101.1 General.</b> The provisions of this chapter shall apply to the use, operation, testing and maintenance of mobile and portable equipment and devices used for temporary heating and cooking. Temporary heating and cooking operations with open flames shall also comply with any additional applicable requirements in Section 308. Definition Consideration for <b>Temporary</b></p> <p><b>Exception:</b> Temporary heating devices used in the course of construction, alteration and demolition of <u>structures</u> shall comply with Section 3304.</p>					
4101.2	Permits	New section no concerns	No	No	
<p><b>4101.2 Permits.</b> Operational permits shall be obtained as set forth in Section 105.5.</p>					
4101.3	Listed equipment	New section no concerns	No	No	
<p><b>4101.3 Listed equipment.</b> Mobile and portable equipment and devices used for temporary heating and cooking shall be <i>listed</i> and <i>labeled</i>. The installation, maintenance and use of equipment and devices shall be in accordance with their listing and the manufacturer's instructions.</p>					
4101.4	Operation and maintenance	New section no concerns	No	No	
<p><b>4101.4 Operation and maintenance.</b> The building owner or the equipment owner/operator shall operate and maintain the <u>equipment</u> in accordance with the manufacturer's operating instructions and this section.</p>					
4101.4.1	Wildfire risk area	New section no concerns	No	No	
<p><b>4101.4.1 Wildfire risk area.</b> Temporary heating and cooking operations shall be in accordance with applicable local wildfire risk area regulations.</p>					
4101.4.2	Attendance	New section no concerns	No	No	
<p><b>4101.4.2 Attendance.</b> Mobile and portable heating and cooking equipment shall be constantly attended while in use and until cooled to a safe temperature.</p>					
4101.4.3	Fire extinguishers	New section no concerns	No	No	
<p><b>4101.4.3 Fire extinguishers.</b> Not fewer than one portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other <i>approved on-site</i> fire-extinguishing equipment shall be available for immediate utilization.</p>					
4101.6.1	General	If new amendment is adopted this will need to be updated to account for my proposed 4101.6.3.1 section.	No	No	
<p><b>4101.6.1 General.</b> LP-gas equipment such as containers, tanks, piping, hoses, fittings, valves, tubing and other related <u>components</u> shall be <i>approved</i> and in accordance with Chapter 61 and with the <i>International Fuel Gas Code</i>.</p>					
4101.6.4	Refueling	New section no concerns	No	No	
<p><b>4101.6.4 Refueling.</b> Exchanging of LP containers shall be conducted in accordance with Chapter 61. Liquid transfer of LP gas shall be in accordance with Chapter 7 of NFPA 58.</p>					
<p><b>4101.7 Oil-fired heaters.</b> Oil-fired cooking and heating equipment shall comply with Section 605 and this chapter.</p>				No	
4101.8	Refueling of flammable and combustible liquid-fueled equipment	Recommend adding "refueling" & 20ft. is consistent with 3108.13.3 Refueiling requirements from tents or membrane structures.	No	Yes	Proposal Needed

<p><b>4101.8 Refueling of flammable and combustible liquid-fueled equipment.</b> Refueling operations for liquid-fueled equipment or devices shall be conducted in accordance with Section 5705 and all of the following:</p> <ol style="list-style-type: none"> <li>1. Refueling operations for liquid-fueled equipment or devices shall be conducted by trained personnel in accordance with the manufacturer's instructions and this code.</li> <li>2. The equipment or device shall be turned off and allowed to cool prior to refueling.</li> <li>3. Refueling operations shall be conducted in a well-ventilated area at a minimum of 10 feet 20 feet (3048 mm) from any building or structure.</li> </ol>					
4101.9	Cooking operations	See word document for recomendation	No	Yes	Proposal Needed
<p><b>4101.9 Cooking operations.</b> Portable cooking equipment using combustible oils or solids shall comply with all of the following:</p> <ol style="list-style-type: none"> <li>1. A noncombustible lid shall be immediately available. The lid shall be of sufficient size to cover the cooking well completely.</li> <li>2. Equipment shall be placed on a noncombustible surface.</li> <li>3. A portable fire extinguisher for protection appropriate to the cooking media shall be provided at a location <i>approved by the fire code official.</i></li> </ol>					
4101.10	Hazard abatement	New section no concerns	No	No	
<p><b>4101.10 Hazard abatement.</b> Operations or conditions deemed unsafe or hazardous by the <i>fire code official</i> shall be abated. Equipment and devices that are modified or damaged and constitute an electrical shock or fire hazard shall not be used.</p>					
4101.10.1	Correction of unsafe conditions	New section no concerns	No	No	
<p><b>4101.10.1 Correction of unsafe conditions.</b> The <i>fire code official</i> shall be authorized to require the owner, the owner's <i>authorized agent</i>, operator or user of the equipment to abate unsafe operations or conditions or cause such conditions to be abated or corrected either by removal, repair, rehabilitation, disposal or other <i>approved</i> corrective action in compliance with this code.</p>					
4104.1	Portable Fuel-Fired Cooking App	New section no concerns	No	No	
<p><b>4104.1 Portable fuel-fired cooking appliances.</b> Portable fuel-fired cooking appliances shall be permitted to be used in all occupancies in accordance with this section.</p>					
4104.2	Open Flame Cooking Devices	Moved Section from 308.1.4 Was not adopted Needs to remain not adopted in new location	No	Yes	Proposal Needed
<p><b>4104.2 Open-flame cooking devices.</b> Charcoal burners and other open-flame cooking devices shall not be operated on combustible balconies or within 10 feet (3048 mm) of combustible construction.</p> <p><b>Exceptions:</b></p> <ol style="list-style-type: none"> <li>1. One- and two-family <i>dwellings</i>.</li> <li>2. Where buildings, balconies and decks are protected by an <i>automatic sprinkler system</i>.</li> <li>3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2<sup>1</sup>/<sub>2</sub> pounds [nominal 1 pound (0.454 kg) LP-gas capacity].</li> </ol>					
4104.3	Indoor cooking	Consideration for storage of wood pizza ovens?	No	No	Industry Proposal Expected
<p><b>4104.3 Indoor cooking.</b> Portable fuel-fired cooking appliances used indoors shall not be located within 10 feet (3048 mm) of exits or combustible materials.</p>					
4104.4	Cooking operations	See word document for recomendation	No	Yes	Proposal Needed



<p><b>4104.4 Cooking operations.</b> Cooking that produces sparks or grease-laden vapors shall not be performed within 10 feet (3048 mm) of a tent or membrane structure except where the following conditions are met:</p> <ol style="list-style-type: none"> <li>1. Cooking devices shall be isolated from the public.</li> <li>2. Cooking devices shall be maintained and used according to the manufacturer's instructions.</li> <li>3. A "Class K" portable fire extinguisher is readily available.</li> <li>4. 3-foot clearance is maintained from cooking operations and combustibles.</li> </ol> <p><b>Exception:</b> Designated cooking tents with an automatic sprinkler system installed in accordance with Section 903.3.1.1.</p>					
4104.5	Seperation	New section no concerns	No	No	
<p><b>4104.5 Separation of cooking tents.</b> Tents with sidewalls or drops where cooking is performed shall be separated from other non-cooking tents or membrane structures by not less than 10 feet (3048 mm).</p> <p><b>Exception:</b> Small tents limited to 100 square feet (9.3 m<sup>2</sup>) that are accessory to the cooking operations of the cooking tent and are not occupied by the public.</p>					
4105.1	Portable electrical cooking appli	New section no concerns	No	No	
<p><b>4105.1 Portable electric cooking appliances.</b> Portable electric cooking appliances shall be permitted to be used in all occupancies in accordance with Sections 4105.1.1 through 4105.1.5.</p>					
4105.1.1	Listed and labeled	New section no concerns	No	No	
<p><b>4105.1.1 Listed and labeled.</b> Portable electric cooking appliances shall be listed and labeled and shall be used in accordance with their listing and the manufacturer's instructions.</p>					
4105.1.2	Power supply	See word document for recomindation	No	Yes	Proposal Needed
<p><b>4105.1.2 Power supply.</b> Portable electric cooking appliances shall be plugged directly into an approved receptacle or connected to an approved and listed a relocatable power tap rated 20 amps (2400 W).</p>					
4105.1.3	Extension Cords	New section no concerns	No	No	
<p><b>4105.1.3 Extension cords.</b> Portable electric cooking appliances shall not be plugged into extension cords.</p>					
4105.1.4	Temorary connections	New section no concerns	No	No	
<p><b>4105.1.4 Temporary connections.</b> Where portable electric cooking appliances are used for temporary operations, the appliance shall be disconnected from the power supply when not in use.</p>					
4105.1.5	Prohibited areas	New section no concerns	No	No	
<p><b>4105.1.5 Prohibited areas.</b> Portable electric cooking appliances shall not be operated within 3 feet (914 mm) of any combustible materials or in Group H occupancies. Portable electric cooking appliances shall be operated only in locations for which they are listed.</p>					
4106	Mobile Food Preparation Vehicles	Moved Section from 2021 Section 319	No	NO	Amendments to this section will be driven by industry proposals
<p><b>SECTION 4106—MOBILE FOOD PREPARATION VEHICLES</b></p>					
4106.1	General	New section no concerns	No	No	Keep existing amendment Coordinate existing amendment from 2021 Section 319 to add or utilize LP-gas or CNG systems.
<p><b>4106.1 General.</b> Mobile food preparation vehicles that are equipped with appliances that produce smoke or grease-laden vapors or utilize LP-gas systems or CNG systems for the purpose of preparing, cooking or serving food shall comply with NFPA 96 and this section. Indoor use of mobile food preparation vehicles is prohibited unless approved by the fire code official.</p>					
4106.4	Maintenance	New section no concerns	No	No	

<b>4106.4 Maintenance.</b> Maintenance of systems on mobile food preparation vehicles shall be in accordance with Sections 4106.4.1 through 4106.4.3.					
4106.4.1	Exhaust systems	New section no concerns	No	No	
<b>4106.4.1 Exhaust system.</b> The exhaust system, including hood, grease-removal devices, fans, ducts and other appurtenances, shall be inspected and cleaned in accordance with NFPA 96.					
4106.4.2	Fire protection systems and dev	Recommend adding fire extinguisher section per 90	No	Yes	
<b>4106.4.2 Fire protection systems and devices.</b> Fire protection systems and devices shall be maintained in accordance with Section 901.6. and section 906.					
4106.4.3	Fuel gas systems	New section no concerns	No	No	
<b>4106.4.3 Fuel gas systems.</b> Fuel gas systems shall be maintained in accordance with Sections 4106.4.3.1 through 4106.4.3.4.					
<b>4106.4.3.1 Lp-gas systems.</b> LP-gas containers installed on the vehicle and fuel gas piping systems shall be inspected annually by an approved inspection agency, person or special expert who is qualified to ensure that system components are free from damage, suitable for the intended service and not subject to leaking.					
4106.4.3.1	LP-gas systems	Recommend removing this section	No	Yes	
<b>4106.4.3.1 Lp-gas systems.</b> LP-gas containers installed on the vehicle and fuel gas piping systems shall be inspected annually by an approved inspection agency, person or special expert who is qualified to ensure that system components are free from damage, suitable for the intended service and not subject to leaking.					
4106.4.3.3	Annual leakage test	Recommend removing this section, see word document for recommendation.	No	Yes	
<b>4106.4.3.3 Annual leakage test.</b> All fuel gas piping systems and appliances shall be checked annually for leakage at the operating pressure of the system using a manometer or pressure gauge. Where leakage is indicated, the gas supply shall be turned off until repairs have been made and the system no longer leaks.					
4106.5	Manual system operaiton for the automatic fire extinguishing systems(s)	New section no concerns	No	Yes	
<b>4106.5 Manual system operation for the automatic fire extinguishing system(s).</b> A manual actuation device shall be provided for the automatic fire extinguishing system(s) provided for the cooking appliance(s). The manual actuation device shall be unobstructed and in view from the means of egress, located at or near a means of egress from the cooking area, and at a location acceptable to the fire code official. The manual actuation device shall be installed not more than 48 inches (1200 mm) nor less than 42 inches (1067 mm) above the walking surface of the means of egress and shall clearly identify the hazard protected. The manual actuation shall require a maximum force of 40 pounds (178 N) and a maximum movement of 14 inches (356 mm) to actuate the fire suppression system.					
4106.6	Solid fuel	Recommend new amendment to take into consideration solid fuel burning such as mobile pizza ovens located within the vehicle. Or determine if we do not allow these types of food truck to be in operation. Concerns with discarded smoldering embers.	Yes	Yes	
<b>4106.6 Solid fuel.</b> The use of wood burning ovens within the mobile food preparation vehicle shall have a listed carbon monoxide detector installed within the vehicle per the manufacture's recommendations.					
4106.7	Oven	Consideration fo the intalltion requirment for wood burning ovens. UL 2126 requirements?	No	Yes	
<b>4106.7 Ovens.</b> Ovens shall have direct venting in accordance with the manufacturer's recommendations.					

42 Reserved

43 Reserved

44 Reserved

45 Reserved

46 Reserved

47 Reserved

48 Reserved

49 Fixed Guideway Transit and Passenger Rail Systems

No Significant Changes

50 Hazardous Materials - General Provisions

TABLE 5003.1.1(5)	HAZARDOUS MATERIALS EXEMPTIONS	New table		No	Proposals May come in for this Table
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TABLE 5003.1.1(5)—HAZARDOUS MATERIALS EXEMPTIONS\*

MATERIAL CLASSIFICATION	OCCUPANCY OR APPLICATION	EXEMPTION
Combustible fiber	Baled cotton	Densely packed baled cotton shall not be classified as combustible fiber, provided that the bales comply with the packing requirements of ISO 8115.
Corrosive	Building materials	The quantity of commonly used building materials that are classified as corrosive materials is not limited.
	Personal and household products	The quantity of personal and household products that are classified as corrosive materials is not limited in retail displays, provided that the products are in original packaging.
	Retail and wholesale sales occupancies	The quantity of medicines, foodstuffs or consumer products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids, with the remainder of the solutions not being flammable, is not limited.  To qualify for this allowance, such materials shall be packaged in individual containers not exceeding 1.3 gallons.
Explosives	Groups B, F, M and S	Storage of special industrial explosive devices is not limited.
	Groups M and R-3	Storage of black powder, smokeless propellant, and small arms primers is not limited.
	Aerosols	Buildings and structures occupied for the storage of aerosol products, aerosol cooking spray products, or plastic aerosol 3 products shall be classified as Group S-1.
	Alcoholic beverages	The quantity of alcoholic beverages in liquor stores and distributors without bulk storage is not limited.
		The quantity of alcoholic beverages in distilling or brewing of beverages is not limited.
		The storage quantity of beer, distilled spirits and wines in barrels and casks is not limited.
		The quantity of alcoholic beverages in retail and wholesale sales



Flammable and combustible liquids and gases		occupancies is not limited. To qualify for this allowance, beverages shall be packaged in individual containers not exceeding 1.3 gallons.
	Cleaning establishments with combustible liquid solvents	The quantity of combustible liquid solvents used in closed systems and having a flash point at or above 140°F is not limited. To qualify for this allowance, equipment shall be listed by an approved testing agency and the occupancy shall be separated from all other areas of the building by 1-hour fire barriers or 1-hour horizontal assemblies, or both, constructed in accordance with the <i>International Building Code</i> .  The quantity of combustible liquid solvents having a flash point at or above 200°F is not limited.
	Closed piping systems	The quantity of flammable and combustible liquids and gases utilized for the operation of machinery or equipment is not limited.
	Flammable finishing operations using flammable and combustible liquids	Buildings and structures occupied for the application of flammable finishes shall comply with Section 416.
	Fuel	The quantity of liquid or gaseous fuel in fuel tanks on vehicles or motorized equipment is not limited.

**TABLE 5003.1.1(5)—HAZARDOUS MATERIALS EXEMPTIONS\*—continued**

MATERIAL CLASSIFICATION	OCCUPANCY OR APPLICATION	EXEMPTION
Flammable and combustible liquids and gases—continued	Fuel—continued	The quantity of gaseous fuels in piping systems and fixed appliances regulated by the <i>International Fuel Gas Code</i> is not limited.
		The quantity of liquid fuels in piping systems and fixed appliances regulated by the <i>International Mechanical Code</i> is not limited.
	Fuel oil	The quantity of fuel oil storage complying with Section 605.4.2 is not limited.
	Hand sanitizer	The quantity of alcohol-based hand rubs (ABHR) classified as Class I or II liquids in dispensers installed in accordance with Sections 5705.5 and 5705.5.1 is not limited. The location of the ABHR shall be provided in the construction documents.
Highly toxic and toxic materials	Retail and wholesale sales occupancies	The quantity of medicines, foodstuffs or consumer products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids, with the remainder of the solutions not being flammable, is not limited.  To qualify for this allowance, such materials shall be packaged in individual containers not exceeding 1.3 gallons.
		The quantity of medicines, foodstuffs or consumer products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids, with the remainder of the solutions not being flammable, is not limited.  To qualify for this allowance, such materials shall be packaged in individual containers not exceeding 1.3 gallons.
Any	Agricultural materials	The quantity of agricultural materials stored or utilized for agricultural purposes on the premises is not limited.
	Energy storage	The quantity of hazardous materials in stationary storage battery systems is not limited.
		The quantity of hazardous materials in stationary fuel cell power systems is not limited.
		The quantity of hazardous materials in capacitor energy storage systems is not limited.
Refrigeration systems	The quantity of refrigerants in refrigeration systems is not limited.	

For SI: 1 gallon = 3.785 L, °C = (°F - 32)/1.8.  
a. Exempted materials and conditions listed in this table are required to comply with provisions of this code that are not based on exceeding maximum allowable quantities in Section 5003.



5003.8.3.5.4	Flammable gas.	New section for control area of flammable gas.		No	Proposals May come in for this Table												
<p><b>5003.8.3.5.4 Flammable gas.</b> The aggregate quantity of Category 1B flammable gas having a burning velocity of 3.9 in/s (10 cm/s) or less stored and displayed within a single control area of a Group M occupancy, in an outdoor control area or stored in a single control area of a Group S occupancy is allowed to exceed the maximum allowable quantities per <i>control area</i> specified in Table 5003.1.1(1) without classifying the building or use as a Group H occupancy, provided that the materials are stored and displayed in accordance with Section 5003.11.2.</p>																	
5003.8.7.2	Doors.	New section		No													
<p><b>5003.8.7.2 Doors.</b> Doors shall be well fitted, self-closing and equipped with a self-latching device.</p>																	
5003.8.7.3	Electrical.	New section		No	Review to identify if WAC for LNI is included in other electrical sections of WA code.												
<p><b>5003.8.7.3 Electrical.</b> Electrical equipment and devices within cabinets used for the storage of hazardous gases or liquids shall be in accordance with NFPA 70.</p>																	
5003.11.2	Category 1B flammable gas with low burning velocity.	New section		No	Proposals May come in for this Table												
<p><b>5003.11.2 Category 1B flammable gas with low burning velocity.</b> The aggregate quantity of Category 1B flammable gas having a burning velocity of 3.9 in/s (10 cm/s) or less stored and displayed within a single control area of a Group M occupancy, in an outdoor control area or stored in a single control area of a Group S occupancy shall not exceed the amounts set forth in Table 5003.11.2.</p>																	
TABLE 5003.11.2	MAXIMUM ALLOWABLE QUANTITY OF LOW BURNING VELOCITY CATEGORY 1B FLAMMABLE GAS IN GROUP M AND S OCCUPANCIES PER CONTROL AREA	New table		No	Proposals May come in for this Table												
<table border="1"> <thead> <tr> <th colspan="3">TABLE 5003.11.2—MAXIMUM ALLOWABLE QUANTITY OF LOW BURNING VELOCITY CATEGORY 1B FLAMMABLE GAS IN GROUP M AND S OCCUPANCIES PER CONTROL AREA*</th> </tr> <tr> <th>CATEGORY 1B (Low BV)*</th> <th>SPRINKLERED IN ACCORDANCE WITH NOTE B</th> <th>NONSPRINKLERED</th> </tr> </thead> <tbody> <tr> <td>Gaseous</td> <td>39,000 ft<sup>3</sup></td> <td>195,000 ft<sup>3</sup></td> </tr> <tr> <td>Liquified</td> <td>40,000 lb<sup>2</sup></td> <td>20,000 lb<sup>2</sup></td> </tr> </tbody> </table> <p>For SI: 1 pound = 0.454 kg, 1 cubic foot = 0.028 m<sup>3</sup>.</p> <p>a. Control areas shall be separated from each other by not less than a 1-hour fire barrier.</p> <p>b. The building shall be equipped throughout with an approved automatic sprinkler system with a minimum sprinkler design density of Ordinary Hazard Group 2 in the area where flammable gases are stored or displayed.</p> <p>c. Where storage areas exceed 50,000 square feet in area, the maximum allowable quantities area is allowed to be increased by 2 percent for each 1,000 square feet of area in excess of 50,000 square feet, up to not more than 100 percent of the table amounts. Separation of control areas is not required. The aggregate amount shall not exceed 80,000 pounds.</p> <p>d. "Low BV" Category 1B flammable gas has a burning velocity of 3.9 in/s (10 cm/s) or less.</p>						TABLE 5003.11.2—MAXIMUM ALLOWABLE QUANTITY OF LOW BURNING VELOCITY CATEGORY 1B FLAMMABLE GAS IN GROUP M AND S OCCUPANCIES PER CONTROL AREA*			CATEGORY 1B (Low BV)*	SPRINKLERED IN ACCORDANCE WITH NOTE B	NONSPRINKLERED	Gaseous	39,000 ft <sup>3</sup>	195,000 ft <sup>3</sup>	Liquified	40,000 lb <sup>2</sup>	20,000 lb <sup>2</sup>
TABLE 5003.11.2—MAXIMUM ALLOWABLE QUANTITY OF LOW BURNING VELOCITY CATEGORY 1B FLAMMABLE GAS IN GROUP M AND S OCCUPANCIES PER CONTROL AREA*																	
CATEGORY 1B (Low BV)*	SPRINKLERED IN ACCORDANCE WITH NOTE B	NONSPRINKLERED															
Gaseous	39,000 ft <sup>3</sup>	195,000 ft <sup>3</sup>															
Liquified	40,000 lb <sup>2</sup>	20,000 lb <sup>2</sup>															
5003.11.2.1	Fire protection and storage arrangements.	New section		No	Proposals May come in for this Table												

**5003.11.2.1 Fire protection and storage arrangements.** Fire protection and container storage arrangements for quantities of Category 1B flammable gases permitted by Table 5003.11.2 shall be in accordance with the all of the following:

1. Storage of Category 1B flammable gases on shelves shall not exceed 6 feet (1829 mm) in height, and shelving shall be metal.
2. Rack storage, pallet storage or piles of Category 1B flammable gas greater than 6 feet 6 inches (1981 mm) in height shall be provided with an automatic sprinkler system with a minimum design density of Extra Hazard Group 1.
3. Combustible commodities shall not be stored above Category 1B flammable gases.
4. Flammable liquids shall be separated from Category 1B flammable gases by a distance of not less than 20 feet (6096 mm). The separation is permitted to be reduced to 10 feet (3048 mm) where secondary containment or diking is provided to retain a flammable liquid spill at a distance of 10 feet (3048 mm) from the Category 1B flammable gas storage.

5003.13	Outdoor rooftop storage, use and handling.	New section		No	Proposals May come in for this Table
5003.13.1	Occupancy classification.	New section		No	Proposals May come in for this Table
5003.13.2	Maximum allowable quantity per rooftop or canopy.	New section		No	Proposals May come in for this Table
5003.13.3	Story adjustment.	New section		No	Proposals May come in for this Table
5003.13.4	Other requirements.	New section		No	Proposals May come in for this Table
5003.13.5	Weather protection.	New section		No	Proposals May come in for this Table

**Cost Commentary**--This change coordinates the requirements for flammable gas with the change in definition to "flammable gas." The change in definition results in two categories of flammable gas, Category 1A and Category 1B. The code change proposal will decrease the cost of construction.

This code change reduces the cost of construction. By modifying the maximum allowable quantities for Category 1B flammable gas, the construction costs are lowered. The construction costs for Category 1A flammable gas remain unchanged, neither increased nor decreased in the cost of construction.

**51 Aerosols Reserved**

**52 Reserved**

**53 Compressed Gases**

5306.5	Medical gas systems and equipment	WA amendment revises section and title.	N	N	Go with model Code
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**54 Corrosive Materials**

No Significant Changes

**55 Cryogenic Fluids**

No Significant Changes

**56 Explosives and Fireworks**

No Significant Changes

**57 Flammable and Combustible Liquids**

No Significant Changes

**58 Flammable and Combustible Liquids**

5809	ON-DEMAND HYDROGEN MOBILE FUELING OPERATIONS	New section		No	Proposals May come in for this Section
5809.1	General.	New section		No	Proposals May come in for this Section
<b>5809.1 General.</b> On-demand <i>hydrogen mobile fueling</i> operations that dispense gaseous hydrogen into the fuel tanks of motor vehicles shall comply with Sections 5809.1 through 5809.6.5.					
5809.1.1	Approval required.	New section		No	Proposals May come in for this Section
<b>5809.1.1 Approval required.</b> <i>Hydrogen mobile fueling</i> operations shall not be conducted without first obtaining a permit and approval from the <i>fire code official</i> . <i>Hydrogen mobile fueling</i> operations shall occur only at <i>approved locations</i> . The <i>fire code official</i> is authorized to approve individual locations or geographic areas where <i>mobile fueling</i> is allowed.					
5809.2	Hydrogen mobile fueling vehicle or trailer.	New section		No	Proposals May come in for this Section
<b>5809.2 Hydrogen mobile fueling vehicle or trailer.</b> An on-demand <i>hydrogen mobile fueling vehicle</i> or <i>mobile fueling trailer</i> shall be that which is utilized in on-demand fueling operations for the dispensing of gaseous hydrogen into the fuel tanks of motor vehicles.					
5809.2.1	Hydrogen mobile fueling vehicle requirements.	New section		No	Proposals May come in for this Section
<b>5809.2.1 Hydrogen mobile fueling vehicle requirements.</b> Each <i>hydrogen mobile fueling vehicle</i> or <i>mobile fueling trailer</i> shall comply with all local, state and federal requirements, as well as the following: <ol style="list-style-type: none"> <li>1. The <i>hydrogen mobile fueling vehicle</i> or <i>mobile fueling trailer</i> and its equipment shall be in compliance with the <u>appropriate requirements of NFPA 2</u>.</li> <li>2. <i>Hydrogen mobile fueling vehicles</i> or <i>mobile fueling trailers</i> shall only contain and dispense gaseous hydrogen.</li> <li>3. The <i>hydrogen mobile fueling vehicle</i> or <i>mobile fueling trailer</i> and its equipment shall be maintained in good repair.</li> <li>4. Fueling a hydrogen motor vehicle shall be from tanks or containers mounted on a <i>mobile fueling trailer</i> or from tanks or containers mounted on a <i>mobile fueling vehicle</i>. A <i>mobile fueling operation</i> shall not combine a <i>mobile fueling vehicle</i> with a <i>mobile fueling trailer</i>.</li> <li>5. <i>Mobile fueling vehicles</i> and trailers shall be provided with at least one minimum 10-pound ABC dry-chemical portable fire extinguisher with an agent discharge rate of 1 pound per second (0.454 kg/s) or greater.</li> </ol>					
5809.3	Required documents.	New section		No	Proposals May come in for this Section
<b>5809.3 Required documents.</b> Documents developed to comply with Sections 5809.3.1 through 5809.3.3 shall be updated as <u>necessary</u> by the owner of the <i>mobile fueling operation</i> and shall be maintained in compliance with Section 110.3.					
5809.3.1	Safety and emergency response plan.	New section		No	Proposals May come in for this Section
<b>5809.3.1 Safety and emergency response plan.</b> <i>Hydrogen mobile fueling operators</i> shall have an <i>approved written safety and emergency response plan</i> that establishes policies and procedures for fire safety, release and control, personnel training and compliance with other applicable requirements of this code.					
5809.3.2	Training records.	New section		No	Proposals May come in for this Section
<b>5809.3.2 Training records.</b> <i>Hydrogen mobile fueling vehicles</i> or <i>mobile fueling trailers</i> shall be operated only by designated personnel who are trained on proper fueling procedures and the safety and emergency response plan. Training records of operators shall be maintained.					
5809.3.3	Site plan.	New section		No	Proposals May come in for this Section



<p><b>5809.3.3 Site plan.</b> Where required by the <i>fire code official</i>, a site plan shall be developed for each location at which <i>hydrogen mobile fueling</i> occurs. The site plan shall be of sufficient detail to indicate the following:</p> <ol style="list-style-type: none"> <li>1. All buildings and structures.</li> <li>2. Lot lines or property lines.</li> <li>3. Solar photovoltaic parking lot canopies.</li> <li>4. Appurtenances on-site and their use or function.</li> <li>5. All uses adjacent to the lot lines of the site.</li> <li>6. Hydrogen fueling locations.</li> <li>7. Scale of the site plan.</li> </ol>					
5809.4	Hydrogen mobile fueling areas.	New section		No	Proposals May come in for this Section
<p><b>5809.4 Hydrogen mobile fueling areas.</b> <i>Hydrogen mobile fueling</i> shall not occur on public streets, in public ways or inside buildings. Fueling on the roof level of parking structures or other buildings is prohibited unless access to the roof level is available without entering the structure or building.</p>					
5809.4.1	Seperation.	New section		No	Proposals May come in for this Section
<p><b>5809.4.1 Separation.</b> The point of connection of the vehicle being fueled shall not take place within the distances specified by NFPA 2 Table 7.2.2.3.2 based on the maximum rated capacity of the <i>hydrogen mobile fueling</i> vehicle.</p>					
5809.4.2	Sources of ignition.	New section		No	Proposals May come in for this Section
<p><b>5809.4.2 Sources of ignition.</b> Smoking, open flames and other sources of ignition shall be prohibited within 25 feet (7620 mm) of fuel-dispensing activities. Signs prohibiting smoking or open flames within 25 feet (7620 mm) of the vehicle or the point of fueling shall be prominently posted on the <i>hydrogen mobile fueling</i> vehicle. The fuel cell of vehicles being fueled shall be shut off during fueling.</p>					
5809.5	Equipment.	New section		No	Proposals May come in for this Section
<p><b>5809.5 Equipment.</b> <i>Hydrogen mobile fueling</i> equipment shall comply with Sections 5809.5.1 and 5809.5.2.</p>					
5809.5.1	Dispensing hoses, nozzles and equipment.	New section		No	Proposals May come in for this Section
<p><b>5809.5.1 Dispensing hoses, nozzles and equipment.</b> Dispensing hoses, nozzles and equipment shall comply with NFPA 2.</p>					
5809.5.2	Fire extinguisher.	New section		No	Proposals May come in for this Section
<p><b>5809.5.2 Fire extinguisher.</b> An <i>approved</i> portable fire extinguisher complying with Section 906 with a minimum rating of 4-A:80-B:C shall be provided on the <i>hydrogen mobile fueling</i> vehicle with signage clearly indicating its location.</p>					
5809.6	Operations.	New section		No	Proposals May come in for this Section
<p><b>5809.6 Operations.</b> <i>Hydrogen mobile fueling</i> vehicles or <i>mobile fueling</i> trailers shall be operated in accordance with this section and NFPA 2.</p>					
5809.6.1	Attendant.	New section		No	Proposals May come in for this Section
<p><b>5809.6.1 Attendant.</b> <i>Hydrogen mobile fueling</i> vehicles or <i>mobile fueling</i> trailers shall be attended at all times during fueling <u>operations</u>, with brakes set and warning lights in operation.</p>					
5809.6.2	Emergency access roads.	New section		No	Proposals May come in for this Section
<p><b>5809.6.2 Emergency access roads.</b> <i>Hydrogen mobile fueling</i> vehicles shall not obstruct emergency vehicle access roads.</p>					
5809.6.3	Dispensing hose.	New section		No	Proposals May come in for this Section
<p><b>5809.6.3 Dispensing hose.</b> Where equipped, <i>hydrogen mobile fueling</i> vehicles or <i>mobile fueling</i> trailers shall be positioned in a manner to preclude traffic from driving over the dispensing hose. The dispensing hose shall be properly placed on an <i>approved</i> reel or in an <i>approved</i> compartment prior to moving the <i>mobile fueling</i> vehicle.</p>					



5809.6.4	Safety cones.	New section		No	Proposals May come in for this Section
<b>5809.6.4 Safety cones.</b> Safety cones or other visual barriers shall be employed as warning devices to highlight the vehicle fueling area.					
5809.6.5	Vehicle lights.	New section		No	Proposals May come in for this Section
<b>5809.6.5 Vehicle lights.</b> The hydrogen mobile fueling vehicle or mobile fueling trailer flasher lights shall be in operation while dispensing operations are in progress.					
5809.6.6	Nighttime deliveries.	New section		No	Proposals May come in for this Section
<b>5809.6.6 Nighttime deliveries.</b> Nighttime deliveries shall be made only in areas deemed adequately lighted by the fire code official.					
5809.6.7	Spill reporting.	New section		No	Proposals May come in for this Section
<b>5809.6.7 Spill reporting.</b> Releases shall be reported where required by Section 5003.3.1.					
<b>Cost Commentary:</b> This proposal was submitted by the ICC Fire Code Action Committee (FCAC). As a mobile fueling service there is no impact on construction costs.					
<b>59 Flammable Solids</b>					
No Amendments					
<b>60 Highly Toxic and Toxic Materials</b>					
No Amendments					
<b>61 Liquefied Petroleum Gases</b>					
6108.1	General.	6108.1 General. Storage, handling and transportation of liquefied petroleum gas (LP-gas) and the installation of LP-gas equipment pertinent to systems for such uses shall comply with this chapter and NFPA 58. Properties of LP-gas shall be determined in accordance with Appendix B of NFPA 58. EXCEPTION: The use and storage of listed propane fired barbeque grills on R-2 decks and balconies with an approved container not exceeding a water capacity of 20 pounds (9 kg) that maintain a minimum clearance of 18 inches on all sides, unless listed for lesser clearances.		Yes	
<b>62 Organic Peroxides</b>					
No Amendments					
<b>63 Oxidizers, Oxidizing Gases and Oxidizing Cryogenic Fluids</b>					
No Amendments					
<b>64 Pyrophoric Materials</b>					
No Amendments					
<b>65 Pryoxylin (Cellulose Nitrate) Plastics</b>					

No Amendments					
<b>66 Unstable (Reactive) Materials</b>					
No Amendments					
<b>67 Water-Reactive Solids and Liquids</b>					
No Amendments					
<b>68 Reserved</b>					
<b>69 Reserved</b>					
<b>70 Reserved</b>					
<b>71 Reserved</b>					
<b>72 Reserved</b>					
<b>73 Reserved</b>					
<b>74 Reserved</b>					
<b>75 Reserved</b>					
<b>76 Reserved</b>					
<b>77 Reserved</b>					
<b>78 Reserved</b>					
<b>79 Reserved</b>					
<b>80 Referenced Standards</b>					
Chapter 80	NFPA	NFPA 13 - amendment to remove the requirements for sprinklers in hydraulic elevator pits.		Yes	NFPA is in the process of revising the 2025 edition of NFPA 13 and will be removing the elevator pit sprinkler requirement.