



City of Yonkers – Building Department

87 Nepperhan Avenue, 5th Floor, Yonkers, NY 10701

Telephone: (914) 377-6500

TEMPORARY TENT APPLICATION

COMMERCIAL TENTS

Fee: \$300.00

SUBMISSION REQUIREMENTS FOR TEMPORARY TENT PERMITS:

1. Complete the Temporary Tent Permit Application and submit with the following information a minimum of 30 days prior to tent Installation:

- a. **Electrical Application along with the Underwriters Application must be submitted with this application (If any electrical is being used)**
- b. **Plumbing Application must be submitted with this application (If any Plumbing/Gas is being used)**
- c. Fee: \$300.00
- d. Contractor Information:
 - Liability Insurance
 - Workers' Compensation Insurance

2. Once Tent is installed complete a Certificate of Compliance and submit for Inspection

BEFORE USE. (All forms are on our website www.yonkersny.gov/government/departments/housing-buildings/forms-permits)

- a. If Electrical was installed you must have the Electrical Inspection completed and certificate attached to Certificate of Completion Form.

Note: All application materials and fees must be submitted together as a complete set. Piecemeal submissions will not be accepted.

INSURANCE REQUIREMENTS

In accordance with Workers' Compensation Law §57 and §220(8)

3 Separate Insurance Certificates are REQUIRED

1. **LIABILITY INSURANCE:** ONLY liability insurance is permitted on the ACORD form.
2. For **WORKERS' COMPENSATION INSURANCE**, ONLY the following forms are acceptable:
 - CE-200** - Certificate of Attestation of Exemption from NYS Workers' Compensations and/or Disability Benefits Coverage
 - C-105.2** – Certificate of Workers' Compensation Insurance (Note: the State Insurance Fund provides its own version of the form – the **U-26.3**)
 - SI-12** – Certificate of Workers' Compensation Self-Insurance
 - GSI-105.2** – Certificate of Participation in Workers' Compensation Group Self-Insurance

Certificate holder must be listed as: City of Yonkers, 87 Nepperhan Avenue, Yonkers, NY 10701



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Check One: Tent Canopy Membrane Structure

Length: _____ Width: _____ Height: _____ Capacity: _____ No. of Exits: _____ Structural/Frame Material _____
Wood, Metal, etc

The Following Will Be Provided:

Exit Lights General Lighting Fire Extinguishers Emergency Lighting Heating/Cooking Appliances
Fuel Type _____

Check One: Tent Canopy Membrane Structure

Length: _____ Width: _____ Height: _____ Capacity: _____ No. of Exits: _____ Structural/Frame Material _____
Wood, Metal, etc

The Following Will Be Provided:

Exit Lights General Lighting Fire Extinguishers Emergency Lighting Heating/Cooking Appliances
Fuel Type _____

Check One: Tent Canopy Membrane Structure

Length: _____ Width: _____ Height: _____ Capacity: _____ No. of Exits: _____ Structural/Frame Material _____
Wood, Metal, etc

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Length: _____ Width: _____ Height: _____ Capacity: _____ No. of Exits: _____ Structural/Frame Material _____
Wood, Metal, etc

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Exit Lights General Lighting Fire Extinguishers Emergency Lighting Heating/Cooking Appliances
Fuel Type _____

A Westchester County licensed electrician must file for any and all electrical work.



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Use period. Temporary tents, air-supported, air-inflated or tensioned membrane structures and canopies shall not be erected for a period of more than 180 days within a 12-month period on a single premises.

Construction documents. A detailed site and floor plan for tents, canopies or membrane structures with an occupant load of 50 or more shall be provided with each application for approval. The tent, canopy or membrane structure floor plan shall indicate details of the means of egress facilities, seating capacity, arrangement of the seating and location and type of heating and electrical equipment.

Inspections The entire tent, air-supported, air-inflated or tensioned membrane structure system shall be inspected at regular intervals, but not less than two times per permit use period. When required by the code enforcement official, an inspection report shall be provided and shall consist of maintenance, anchors and fabric inspections.

Access. Fire apparatus access roads shall be provided in accordance with Section 503.

Location. Tents, canopies or membrane structures shall not be located within 20 feet (6096 mm) of lot lines, buildings, other tents, canopies or membrane structures, parked vehicles or internal combustion engines. For the purpose of determining required distances, support ropes and guy wires shall be considered as part of the temporary membrane structure, tent or canopy.

Exceptions:

1. Separation distance between membrane structures, tents and canopies not used for cooking, is not required when the aggregate floor area does not exceed 15,000 square feet (1394 m²).
2. Membrane structures, tents or canopies need not be separated from buildings when all of the following conditions are met:
 - 2.1. The aggregate floor area of the membrane structure, tent or canopy shall not exceed 10,000 square feet (929 m²).
 - 2.2. The aggregate floor area of the building and membrane structure, tent or canopy shall not exceed the allowable floor area including increases as indicated in the Building Code of New York State .
 - 2.3. Required means of egress provisions are provided for both the building and the membrane structure, tent or canopy, including travel distances.
 - 2.4. Fire apparatus access roads are provided in accordance with Section 503 of the Fire Code.

Location of structures in excess of 15,000 square feet in area. Membrane structures having an area of 15,000 square feet (1394 m²) or more shall be located not less than 50 feet (15 240 mm) from any other tent or structure as measured from the sidewall of the tent or membrane structure unless joined together by a corridor.

Connecting corridors. Tents or membrane structures are allowed to be joined together by means of corridors. Exit doors shall be provided at each end of such corridor. On each side of such corridor and approximately opposite each other, there shall be provided openings not less than 12 feet (3658 mm) wide.

Fire break. An unobstructed fire break passageway or fire road not less than 12 feet (3658 mm) wide and free from guy ropes or other obstructions shall be maintained on all sides of all tents, canopies and membrane structures unless otherwise approved by the code enforcement official.



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Anchorage required. Tents, canopies or membrane structures and their appurtenances shall be adequately roped, braced and anchored to withstand the elements of weather and prevent against collapsing. Documentation of structural stability shall be furnished to the code enforcement official on request.

Temporary air-supported and air-inflated membrane structures. Shall comply with all regulations outlines in Chapter 24 of the Fire Code of New York State.

§BC3103: TEMPORARY STRUCTURES

§BC3103.1 General.

The provisions of Sections BC3103.1 through BC3103.4 shall apply to structures erected for a period of less than **180** days. Tents and other membrane structures erected for a period of less than **180** days shall comply with the *International Fire Code*. Those erected for a longer period of time shall comply with applicable sections of this code.

§BC3103.1.1 Conformance.

Temporary structures and uses shall conform to the structural strength, fire safety, *means of egress*, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure public health, safety and general welfare.

§BC3103.1.2 Permit required.

Temporary structures that cover an area greater than 120 square feet (11.16 m²), including connecting areas or spaces with a common *means of egress* or entrance that are used or intended to be used for the gathering together of 10 or more persons, shall not be erected, operated or maintained for any purpose without obtaining a *permit* from the *building official*.

§BC3103.2 Construction documents.

A *permit* application and *construction documents* shall be submitted for each installation of a temporary structure. The *construction documents* shall include a site plan indicating the location of the temporary structure and information delineating the *means of egress* and the *occupant load*.

§BC3103.3 Location.

Temporary structures shall be located in accordance with the requirements of Table BC602 based on the *fire-resistance rating* of the *exterior walls* for the proposed type of construction.



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TABLE BC602

**FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS
BASED ON FIRE SEPARATION DISTANCE^{a, d, g}**

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H ^c	OCCUPANCY GROUP F-1, M, S-1 ^f	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U
$X < 5^b$	All	3	2	1
$5 \leq X < 10$	IA	3	2	1
	Others	2	1	1
$10 \leq X < 30$	IA, IB	2	1	1 ^c
	IIB, VB	1	0	0
	Others	1	1	1 ^c
$X \geq 30$	All	0	0	0

For SI: 1 foot = 304.8 mm.

- a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table BC601.
- b. See Section BC706.1.1 for party walls.
- c. Open parking garages complying with Section BC406 shall not be required to have a fire-resistance rating.
- d. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.
- e. For special requirements for Group H occupancies, see Section BC415.6.
- f. For special requirements for Group S aircraft hangars, see Section BC412.4.1.
- g. Where Table BC705.8 permits nonbearing exterior walls with unlimited area of unprotected openings, the required fire-resistance rating for the exterior walls is 0 hours.

§BC3103.4 Means of egress.

Temporary structures shall conform to the *means of egress* requirements of Chapter BC10 and shall have an *exit access* travel distance of 100 feet (30 480 mm) or less.



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CHAPTER FC31 TENTS AND OTHER MEMBRANE STRUCTURES §FC3101: GENERAL

§FC3101.1 Scope.

Tents, temporary stage canopies and membrane structures shall comply with this chapter. The provisions of Section FC3103 are applicable only to temporary tents and membrane structures. The provisions of Section FC3104 are applicable to temporary and permanent tents and membrane structures. Other temporary structures shall comply with the *International Building Code*.

§FC3103: TEMPORARY TENTS AND MEMBRANE STRUCTURES

§FC3103.1 General.

Tents and membrane structures used for temporary periods shall comply with this section. Other temporary structures erected for a period of 180 days or less shall comply with the *International Building Code*.

§FC3103.2 Approval required.

Tents and membrane structures having an area in excess of 400 square feet (37 m²) shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the *fire code official*.

Exceptions:

1. Tents used exclusively for recreational camping purposes.
2. Tents open on all sides that comply with all of the following:
 - 2.1. Individual tents having a maximum size of 700 square feet (65 m²).
 - 2.2. The aggregate area of multiple tents placed side by side without a fire break clearance of 12 feet (3658 mm), not exceeding 700 square feet (65 m²) total.
 - 2.3. A minimum clearance of 12 feet (3658 mm) to all structures and other tents.

§FC3103.3 Place of assembly.

For the purposes of this chapter, a place of assembly shall include a circus, carnival, tent show, theater, skating rink, dance hall or other place of assembly in or under which persons gather for any purpose.

§FC3103.4 Permits.

Permits shall be required as set forth in Sections FC105.6 and FC105.7.

§FC3103.5 Use period.

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.

§FC3103.6 Construction documents.

A detailed site and floor plan for tents or membrane structures with an *occupant load* of 50 or more shall be provided with each application for approval. The tent or membrane structure floor plan shall indicate details of the *means of egress* facilities, seating capacity, arrangement of the seating and location and type of heating and electrical equipment.

§FC3103.7 Inspections.

The entire tent, air-supported, air-inflated or tensioned membrane structure system shall be inspected at regular intervals, but not less than two times per permit use period, by the permittee, *owner* or agent to determine that the installation is maintained in accordance with this chapter.



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Exception: Permit use periods of less than 30 days.

§FC3103.7.1 Inspection report.

Where required by the *fire code official*, an inspection report shall be provided and shall consist of maintenance, anchors and fabric inspections.

§FC3103.8 Access, location and parking.

Access, location and parking for temporary tents and membrane structures shall be in accordance with this section.

§FC3103.8.1 Access.

Fire apparatus access roads shall be provided in accordance with Section FC503.

§FC3103.8.2 Location.

Tents or membrane structures shall not be located within 20 feet (6096 mm) of *lot lines*, buildings, other tents or membrane structures, parked vehicles or internal combustion engines. For the purpose of determining required distances, support ropes and guy wires shall be considered as part of the temporary membrane structure or tent.

Exceptions:

1. Separation distance between membrane structures and tents not used for cooking is not required where the aggregate floor area does not exceed 15,000 square feet (1394 m²).
2. Membrane structures or tents need not be separated from buildings when all of the following conditions are met:
 - 2.1. The aggregate floor area of the membrane structure or tent shall not exceed 10,000 square feet (929 m²).
 - 2.2. The aggregate floor area of the building and membrane structure or tent shall not exceed the allowable floor area including increases as indicated in the *International Building Code*.
 - 2.3. Required *means of egress* are provided for both the building and the membrane structure or tent including travel distances.
 - 2.4. Fire apparatus access roads are provided in accordance with Section FC503.

§FC3103.8.3 Location of structures in excess of 15,000 square feet in area. Membrane structures having an area of 15,000 square feet (1394 m²) or more shall be located not less than 50 feet (15 240 mm) from any other tent or structure as measured from the sidewall of the tent or membrane structure unless joined together by a corridor.

§FC3103.8.4 Membrane structures on buildings.

Membrane structures that are erected on buildings, balconies, decks or other structures shall be regulated as permanent membrane structures in accordance with Section BC3102 of the *International Building Code*.

§FC3103.8.5 Connecting corridors.

Tents or membrane structures are allowed to be joined together by means of corridors. *Exit* doors shall be provided at each end of such corridor. On each side of such corridor and approximately opposite each other, there shall be provided openings not less than 12 feet (3658 mm) wide.

§FC3103.8.6 Fire break.

An unobstructed fire break passageway or fire road not less than 12 feet (3658 mm) wide and free from guy ropes or other obstructions shall be maintained on all sides of all tents and membrane structures unless otherwise *approved* by the *fire code official*.



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§FC3103.9 Anchorage required.

Tents or membrane structures and their appurtenances shall be adequately roped, braced and anchored to withstand the elements of weather and prevent against collapsing. Documentation of structural stability shall be furnished to the *fire code official* on request.

§FC3103.9.1 Tents and membrane structures exceeding one story. Tents and membrane structures exceeding one story shall be designed and constructed to comply with Chapter BC16 of the *International Building Code*.

§FC3103.10 Temporary air-supported and air-inflated membrane structures. Temporary air-supported and air-inflated membrane structures shall be in accordance with Sections FC3103.10.1 through FC3103.10.4.

§FC3103.10.1 Door operation.

During high winds exceeding 50 miles per hour (22 m/s) or in snow conditions, the use of doors in air-supported structures shall be controlled to avoid excessive air loss. Doors shall not be left open.

§FC3103.10.2 Fabric envelope design and construction.

Air-supported and air-inflated structures shall have the design and construction of the fabric envelope and the method of anchoring in accordance with Architectural Fabric Structures Institute ASI 77.

§FC3103.10.3 Blowers.

An air-supported structure used as a place of assembly shall be furnished with not less than two blowers, each of which has adequate capacity to maintain full inflation pressure with normal leakage. The design of the blower shall be so as to provide integral limiting pressure at the design pressure specified by the manufacturer.

§FC3103.10.4 Auxiliary inflation systems.

Places of public assembly for more than 200 persons shall be furnished with an auxiliary inflation system capable of powering a blower with the capacity to maintain full inflation pressure with normal leakage in accordance with Section FC3103.10.3 for a minimum duration of 4 hours. The auxiliary inflation system shall be either a fully automatic auxiliary engine-generator set or a supplementary blower powered by an internal combustion engine that shall be automatic in operation. The system shall be capable of automatically operating the required blowers at full power within 60 seconds of a commercial power failure.

§FC3103.11 Seating arrangements.

Seating in tents or membrane structures shall be in accordance with Chapter FC10.

§FC3103.12 Means of egress.

Means of egress for temporary tents and membrane structures shall be in accordance with Sections FC3103.12.1 through FC3103.12.8.

§FC3103.12.1 Distribution.

Exits shall be spaced at approximately equal intervals around the perimeter of the tent or membrane structure, and shall be located such that all points are 100 feet (30 480 mm) or less from an *exit*.

§FC3103.12.2 Number.

Tents, or membrane structures or a usable portion thereof shall have not less than one *exit* and not less than the number of *exits* required by Table FC3103.12.2. The total width of *means of egress* in inches (mm) shall be not less than the total *occupant load* served by a *means of egress* multiplied by 0.2 inches (5 mm) per person.



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TABLE FC3103.12.2
MINIMUM NUMBER OF MEANS OF EGRESS AND MEANS OF EGRESS WIDTHS
FROM TEMPORARY MEMBRANE STRUCTURES AND TENTS

OCCUPANT LOAD	MINIMUM NUMBER OF MEANS OF EGRESS	MINIMUM WIDTH OF EACH MEANS OF EGRESS (inches)	
		Tent	Membrane Structure
10 to 199	2	72	36
200 to 499	3	72	72
500 to 999	4	96	72
1,000 to 1,999	5	120	96
2,000 to 2,999	6	120	96
Over 3,000 ^a	7	120	96

For SI: 1 inch = 25.4 mm.

a. When the occupant load exceeds 3,000, the total width of means of egress (in inches) shall be not less than the total occupant load multiplied by 0.2 inches per person.

§FC3103.12.3 Exit openings from tents.

Exit openings from tents shall remain open unless covered by a flame-resistant curtain. The curtain shall comply with the following requirements:

1. Curtains shall be free sliding on a metal support. The support shall be not less than 80 inches (2032 mm) above the floor level at the *exit*. The curtains shall be so arranged that, when open, no part of the curtain obstructs the *exit*.
2. Curtains shall be of a color, or colors, that contrasts with the color of the tent.

§FC3103.12.4 Doors.

Exit doors shall swing in the direction of *exit* travel. To avoid hazardous air and pressure loss in air-supported membrane structures, such doors shall be automatic closing against operating pressures. Opening force at the door edge shall not exceed 15 pounds (66 N).

§FC3103.12.5 Aisle.

The width of *aisles* without fixed seating shall be in accordance with the following:

1. In areas serving employees only, the minimum *aisle* width shall be 24 inches (610 mm) but not less than the width required by the number of employees served.
2. In public areas, smooth-surfaced, unobstructed *aisles* having a minimum width of not less than 44 inches (1118 mm) shall be provided from seating areas, and *aisles* shall be progressively increased in width to provide, at all points, not less than 1 foot (305 mm) of *aisle* width for each 50 persons served by such *aisle* at that point.

§FC3103.12.5.1 Arrangement and maintenance.

The arrangement of *aisles* shall be subject to approval by the *fire code official* and shall be maintained clear at all times during occupancy.

§FC3103.12.6 Exit signs.

Exits shall be clearly marked. Exit signs shall be installed at required *exit* doorways and where otherwise necessary to indicate clearly the direction of egress where the *exit* serves an *occupant load* of 50 or more.



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§FC3103.12.6.1 Exit sign illumination.

Exit signs shall be either *listed* and *labeled* in accordance with UL 924 as the internally illuminated type and used in accordance with the listing or shall be externally illuminated by luminaires supplied in either of the following manners:

1. Two separate circuits, one of which shall be separate from all other circuits, for *occupant loads* of 300 or less.
2. Two separate sources of power, one of which shall be an *approved* emergency system, shall be provided where the *occupant load* exceeds 300. Emergency systems shall be supplied from storage batteries or from the on-site generator set, and the system shall be installed in accordance with NFPA 70. The emergency system provided shall have a minimum duration of 90 minutes when operated at full design demand.

§FC3103.12.7 Means of egress illumination.

Means of egress shall be illuminated with light having an intensity of not less than 1 footcandle (11 lux) at floor level while the structure is occupied. Fixtures required for *means of egress* illumination shall be supplied from a separate circuit or source of power.

§FC3103.12.8 Maintenance of means of egress.

The required width of *exits*, *aisles* and passageways shall be maintained at all times to a *public way*. Guy wires, guy ropes and other support members shall not cross a *means of egress* at a height of less than 8 feet (2438 mm). The surface of *means of egress* shall be maintained in an *approved* manner.

§FC3104: TEMPORARY AND PERMANENT TENTS AND MEMBRANE STRUCTURES

§FC3104.1 General.

Tents and membrane structures, both temporary and permanent, shall be in accordance with this section. Permanent tents and membrane structures shall also comply with the *International Building Code*.

§FC3104.2 Flame propagation performance treatment.

Before a permit is granted, the *owner* or agent shall file with the *fire code official* a certificate executed by an *approved* testing laboratory certifying that the tents and membrane structures and their appurtenances; sidewalls, drops and tarpaulins; floor coverings, bunting and combustible decorative materials and effects, including sawdust where used on floors or passageways, are composed of material meeting the flame propagation performance criteria of Test Method 1 or Test Method 2, as appropriate, of NFPA 701 or shall be treated with a flame retardant in an *approved* manner and meet the flame propagation performance criteria of Test Method 1 or Test Method 2, as appropriate, of NFPA 701, and that such flame propagation performance criteria are effective for the period specified by the permit.

§FC3104.3 Label.

Membrane structures or tents shall have a permanently affixed label bearing the identification of size and fabric or material type.

§FC3104.4 Certification.

An affidavit or affirmation shall be submitted to the *fire code official* and a copy retained on the premises on which the tent or air-supported structure is located. The affidavit shall attest to all of the following information relative to the flame propagation performance criteria of the fabric:

1. Names and address of the *owners* of the tent or air-supported structure.
2. Date the fabric was last treated with flame-retardant solution.
3. Trade name or kind of chemical used in treatment.
4. Name of person or firm treating the material.
5. Name of testing agency and test standard by which the fabric was tested.



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§FC3104.5 Combustible materials.

Hay, straw, shavings or similar combustible materials shall not be located within any tent or membrane structure containing an assembly occupancy, except the materials necessary for the daily feeding and care of animals. Sawdust and shavings utilized for a public performance or exhibit shall not be prohibited provided the sawdust and shavings are kept damp. Combustible materials shall not be permitted under stands or seats at any time.

§FC3104.6 Smoking.

Smoking shall not be permitted in tents or membrane structures. *Approved* "No Smoking" signs shall be conspicuously posted in accordance with Section FC310.

§FC3104.7 Open or exposed flame.

Open flame or other devices emitting flame, fire or heat or any flammable or *combustible liquids*, gas, charcoal or other cooking device or any other unapproved devices shall not be permitted inside or located within 20 feet (6096 mm) of the tent or membrane structures while open to the public unless *approved* by the *fire code official*.

§FC3104.8 Fireworks.

Fireworks shall not be used within 100 feet (30 480 mm) of tents or membrane structures.

§FC3104.9 Spot lighting.

Spot or effect lighting shall only be by electricity, and all combustible construction located within 6 feet (1829 mm) of such equipment shall be protected with *approved* noncombustible insulation not less than 9¹/₄ inches (235 mm) thick.

§FC3104.10 Safety film.

Motion pictures shall not be displayed in tents or membrane structures unless the motion picture film is safety film.

§FC3104.11 Clearance.

There shall be a minimum clearance of at least 3 feet (914 mm) between the fabric envelope and all contents located inside membrane structures.

§FC3104.12 Portable fire extinguishers.

Portable fire extinguishers shall be provided as required by Section FC906.

§FC3104.13 Fire protection equipment.

Fire hose lines, water supplies and other auxiliary fire equipment shall be maintained at the site in such numbers and sizes as required by the *fire code official*.

§FC3104.14 Occupant load factors.

The *occupant load* allowed in an assembly structure, or portion thereof, shall be determined in accordance with Chapter FC10.

§FC3104.15 Heating and cooking equipment.

Heating and cooking equipment shall be in accordance with Sections FC3104.15.1 through FC3104.15.7.

§FC3104.15.1 Installation.

Heating or cooking equipment, tanks, piping, hoses, fittings, valves, tubing and other related components shall be installed as specified in the *International Mechanical Code* and the *International Fuel Gas Code*, and shall be *approved* by the *fire code official*.

§FC3104.15.2 Venting.

Gas, liquid and solid fuel-burning equipment designed to be vented shall be vented to the outside air as specified in the *International Fuel Gas Code* and the *International Mechanical Code*. Such vents shall be equipped with *approved* spark arresters where required. Where vents or flues are used, all portions of the tent or membrane structure shall be not less than 12 inches (305 mm) from the flue or vent.

§FC3104.15.3 Location.

Cooking and heating equipment shall not be located within 10 feet (3048 mm) of *exits* or combustible materials.



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§FC3104.15.4 Operations.

Operations such as warming of foods, cooking demonstrations and similar operations that use solid flammables, butane or other similar devices that do not pose an ignition hazard, shall be *approved*.

§FC3104.15.5 Cooking tents.

Tents with sidewalls or drops where cooking is performed shall be separated from other tents or membrane structures by not less than 20 feet (6096 mm).

§FC3104.15.6 Outdoor cooking.

Outdoor cooking that produces sparks or grease-laden vapors shall not be performed within 20 feet (6096 mm) of a tent or membrane structure.

§FC3104.15.7 Electrical heating and cooking equipment.

Electrical cooking and heating equipment shall comply with NFPA 70.

§FC3104.16 LP-gas.

The storage, handling and use of LP-gas and LP-gas equipment shall be in accordance with Sections FC3104.16.1 through FC3104.16.3.

§FC3104.16.1 General.

LP-gas equipment such as tanks, piping, hoses, fittings, valves, tubing and other related components shall be *approved* and in accordance with Chapter FC61 and with the *International Fuel Gas Code*.

§FC3104.16.2 Location of containers.

LP-gas containers shall be located outside. Safety release valves shall be pointed away from the tent or membrane structure.

§FC3104.16.2.1 Containers 500 gallons or less.

Portable LP-gas containers with a capacity of 500 gallons (1893 L) or less shall have a minimum separation between the container and structure not less than 10 feet (3048 mm).

§FC3104.16.2.2 Containers more than 500 gallons.

Portable LP-gas containers with a capacity of more than 500 gallons (1893 L) shall have a minimum separation between the container and structures not less than 25 feet (7620 mm).

§FC3104.16.3 Protection and security.

Portable LP-gas containers, piping, valves and fittings that are located outside and are being used to fuel equipment inside a tent or membrane structure shall be adequately protected to prevent tampering, damage by vehicles or other hazards and shall be located in an *approved* location. Portable LP-gas containers shall be securely fastened in place to prevent unauthorized movement.

§FC3104.17 Flammable and combustible liquids.

The storage of flammable and *combustible liquids* and the use of flammable-liquid-fueled equipment shall be in accordance with Sections FC3104.17.1 through FC3104.17.3.

§FC3104.17.1 Use.

Flammable-liquid-fueled equipment shall not be used in tents or membrane structures.

§FC3104.17.2 Flammable and combustible liquid storage.

Flammable and *combustible liquids* shall be stored outside in an *approved* manner not less than 50 feet (15 240 mm) from tents or membrane structures. Storage shall be in accordance with Chapter FC57.

§FC3104.17.3 Refueling.

Refueling shall be performed in an *approved* location not less than 20 feet (6096 mm) from tents or membrane structures.



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TEMPORARY TENT APPLICATION

COMMERCIAL TENTS

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§FC3104.18 Display of motor vehicles.

Liquid-and gas-fueled vehicles and equipment used for display within tents or membrane structures shall be in accordance with Sections FC3104.18.1 through FC3104.18.5.3.

§FC3104.18.1 Batteries.

Batteries shall be disconnected in an appropriate manner.

§FC3104.18.2 Fuel.

Vehicles or equipment shall not be fueled or defueled within the tent or membrane structure.

§FC3104.18.2.1 Quantity limit.

Fuel in the fuel tank shall not exceed one-quarter of the tank capacity or 5 gallons (19 L), whichever is less.

§FC3104.18.2.2 Inspection.

Fuel systems shall be inspected for leaks.

§FC3104.18.2.3 Closure.

Fuel tank openings shall be locked and sealed to prevent the escape of vapors.

§FC3104.18.3 Location.

The location of vehicles or equipment shall not obstruct *means of egress*.

§FC3104.18.4 Places of assembly.

When a compressed natural gas (CNG) or liquefied petroleum gas (LP-gas) powered vehicle is parked inside a place of assembly, all the following conditions shall be met:

1. The quarter-turn shutoff valve or other shutoff valve on the outlet of the CNG or LP-gas container shall be closed and the engine shall be operated until it stops. Valves shall remain closed while the vehicle is indoors.
2. The hot lead of the battery shall be disconnected.
3. Dual-fuel vehicles equipped to operate on gasoline and CNG or LP-gas shall comply with this section and Sections FC3104.18.1 through FC3104.18.5.3 for gasoline-powered vehicles.

§FC3104.18.5 Competitions and demonstrations.

Liquid and gas-fueled vehicles and equipment used for competition or demonstration within a tent or membrane structure shall comply with Sections FC3104.18.5.1 through FC3104.18.5.3.

§FC3104.18.5.1 Fuel storage.

Fuel for vehicles or equipment shall be stored in *approved* containers in an *approved* location outside of the structure in accordance with Section FC3104.17.2.

§FC3104.18.5.2 Fueling.

Refueling shall be performed outside of the structure in accordance with Section FC3104.17.3.

§FC3104.18.5.3 Spills.

Fuel spills shall be cleaned up immediately.

§FC3104.19 Separation of generators.

Generators and other internal combustion power sources shall be separated from tents or membrane structures by not less than 20 feet (6096 mm) and shall be isolated from contact with the public by fencing, enclosure or other *approved* means.



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§FC3104.20 Standby personnel.

Where, in the opinion of the *fire code official*, it is essential for public safety in a tent or membrane structure used as a place of assembly or any other use where people congregate, because of the number of persons, or the nature of the performance, exhibition, display, contest or activity, the *owner*, agent or lessee shall employ one or more qualified persons, as required and *approved*, to remain on duty during the times such places are open to the public, or when such activity is being conducted.

§FC3104.20.1 Duties.

Before each performance or the start of such activity, standby personnel shall keep diligent watch for fires during the time such place is open to the public or such activity is being conducted and take prompt measures for extinguishment of fires that occur and assist in the evacuation of the public from the structure.

§FC3104.20.2 Crowd managers.

There shall be trained crowd managers or crowd manager/supervisors at a ratio of one crowd manager/supervisor for every 250 occupants, as *approved*.

§FC3104.21 Combustible vegetation.

Combustible vegetation that could create a fire hazard shall be removed from the area occupied by a tent or membrane structure, and from areas within 30 feet (9144 mm) of such structures.

§FC3104.22 Combustible waste material.

The floor surface inside tents or membrane structures and the grounds outside and within a 30-foot (9144 mm) perimeter shall be kept free of combustible waste and other combustible materials that could create a fire hazard. Such waste shall be stored in *approved* containers and removed from the premises not less than once a day during the period the structure is occupied by the public.