FIRE DEPARTMENT - FIRE PREVENTION BUREAU

1039 C Street, San Rafael, CA 94901 - Phone (415) 485-3308 - Fax (415) 453-1627 - www.srfd.org

Informational Bulletin Tents and Other Membrane Structures April 12, 2012

Fire Permit Process

for

Tents and Other Membrane Structures

The construction, operation, and use of Tents and other Membrane structures shall be in accordance with Chapter 24, of the 2010 California Fire Code (CFC).

	TE -	INT DEFINITION Tents and Membrane Structures having an area in excess of 400 square feet					
	OF - -	OPERATIONAL FIRE PERMIT Fee's / City of San Rafael Permit Fee = \$220.00 + archival fees (fees will vary on case by case basis) Re-Inspection Fee (if required) = \$146.00 per hour Note: If an Electrical Permit is required, Permit Fee = \$102.00					
	SI7 - -	Fire Plan / DRAWING Fire Plot Plan (Fire / Life Safety) To include clearance distances between Tents, Canopies and Membrane structures. Electrical: Generators / Exterior Power Tap					
	OPERATIONAL PERIOD						
- Type of Activity: Event address:							
	-	Date(s) of activity: Operational / time: AM to PM to PM					
	-	Date of Tent or Canopy installation:					
	FL	AME RETARDANT TREATMENTS (CFC 2404)					
	- State Fire Marshal Emblem on each partition - Name of the person and firm that applied the flame retards						
		Contractor PH #					
		Contractor LIC No Address:					
	-	Contractor Erecting the Structure					
		Contractor PH #					
		Contractor LIC No Address:					

□ <i>I</i> - -	ACCESS LOCATION & PARKING Fire Apparatus/ Ambulance access. (CFC 5 Location and parking adjacent to the activity NOTE: (for determining required distan the temporary membrane structure or te	minimum 20 feet. (CFC 2403.8.2) ces, support ropes and guy wires shall be considered as part of
□ : - -	STRUCTURAL STABILITY (CFC 2403 Secured to ground / Stakes – anchors. Air-Supported & Inflated Structures (CBC)	.9)
- - - -	1,000 square feet. One (1) additional 2-A fire extinguisher is re At least one (1) 10B-C fire extinguisher shal At least one (1) 10B-C fire extinguisher shal flammable/combustible liquids or flammable One (1) Class K fire extinguisher shall be pr The Fire Marshal may modify or waive an Additional Fire Extinguishers or Size Requireman MAXIMUM OCCUPANT LOAD (CFC 1 Maximum Occupant Load is based on the set by the appropriate occupant load factor four calculated by the Fire Inspector at time of plo Assembly-with chairs only, Assembly-with tables & chairs,	quired in each auxiliary adjacent Tent or Canopy. I be provided with each I be provided in cooking areas, dining areas, locations where gases are used, stored or dispensed and generator location. ovided in each area where deep fat fryers are used. By of these requirements. ed 004) quare footage within the temporary membrane structure divided in CFC Table 1004.1.1. This determination would be an review. Example illustrated below: 7 net 5 net
□ :	SEATING ARRANGEMENTS (CFC 10 Seating #	Number of Rows
-	Tables	Location to exits
	Tables shall be spaced a minimum of 54 inc	ches apart
יו - - -	MEANS OF EGRESS (CFC 2403.12.3) Exit openings remain open unless covered be Curtains shall be free sliding on a metal sup The support shall be a minimum of 80 inches	by a flame-resistant curtain. port.

- The curtains shall be so arranged that, when open, no part of the curtain obstructs the exit and curtains shall be of a color or colors which contrast with the color of the tent.
- All points are 100 feet or less from an exit.
- Aisle shall not be less than 44 inches.

Minimum Number of Means of Egress and Means of Egress Widths

	Minimum Number Minimum Width of E		Each Means of Egress (Inches)	
Occupant Load	Of Means of Egress	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	7	120	96	

	M A	The required width of exits, aisles and passageways shall be maintained at all times to a public way. Guywires, guyropes and other support members shall not cross a means of egress at a height of less than 8 feet. The surface of means of egress shall be maintained in an approved manner.
		The canada an incana an agreement an arrangement and approved manner.
	OE ·	Exits, aisles and passageways shall not be blocked or have their minimum clear width obstructed in any manner, by chairs, equipment, ticket offices, turnstiles, concessions, chairs, poles, guy wires or in anyway whatsoever, nor blocked by persons.
	ME -	EANS OF EGRESS ILLUMINATION (CFC 2403.12.7) Fixtures required for means of egress illumination shall be supplied from a separate circuit or source of power.
	EX - -	KIT SIGNS (CFC 2403.12.6) Exits shall be clearly marked. Exit signs must be installed at required exit doorways and where otherwise necessary to clearly indicate the direction of egress where multiple exits are provided.
\Box	90	DURCES OF IGNITION (CFC 2404)
	- - -	Except as approved by the Fire Marshal, open flame or any heat producing device shall not be permitted inside or located within 20 feet of a Tent or Membrane structure. (CFC 2404.7) Smoking shall not be permitted in Tents and Membrane structures, or in adjacent areas. "NO SMOKING signs shall be conspicuously posted on both sides of the tent or canopy. Designated Smoking area/location shall be 50 feet away of perimeter membrane and entrances. Fireworks and Pyrotechnic special effects shall not be permitted in Tents and Membrane structures. (CFC 2404.8) All tent fabrics and all interior decorative fabrics or materials shall be flame resistant and identified with SFN Label. (CFC 2404 and Title 19)
\Box	~	OOKING AND HEATING EQUIPMENT (CFC 2404.15)
	- - -	Except as approved by the Fire Marshal, cooking shall not be permitted inside or located within 20 feet of a tent or canopy in accordance with (CFC 2404.7 and 2404.15.6) Exception: Operation such as warming foods, cooking demonstrations and similar operations which do no present an ignition hazard. (CFC 2404.15.4) Location: Cooking and heating equipment shall not be located within 10 feet of exits or combustible materials. (CFC 2404.15.3) Cooking Tents: Tents where cooking is approved shall be separated from other Tents and Membrane structures by a minimum of 20 Feet. (CFC 2404.15.5)
\Box	E I	AMMABLE AND COMBUSTIBLE LIQUIDS (CFC 2404.17)
	- -	Flammable—liquid—fueled equipment shall not be used in Tents and Membrane structures. (CFC 2404.17.1) Flammable and Combustible Liquid Storage: Shall be stored outside in an approved manner not less than 50 feet from Tents and Membrane structures. Storage shall be in accordance with CFC Chapter 34. Refueling: Shall be performed in an approved location not less than 20 feet from Tents and Membrane structures. (CFC 2404.17.3)
	DI: -	SPLAY OF MOTOR VIEHICLE (CFC 2404.18) Batteries: Batteries shall be disconnected in an approved manner. (CFC 2404.18.1)

- Fuel systems: Vehicles or equipment shall not be fueled or defueled within a Tent or Membrane structure. (CFC 2404.18.2)
- Fuel quantity limit: Fuel in the gasoline tank shall not exceed one-quarter of the tank capacity or 5 gallons, whichever is less. (CFC Sec 2404.18.2.1)
- Fuel tank openings shall be locked and sealed to prevent the escape of vapors. (CFC 2404.18.2.3)

GENERATORS (CFC 2404.19)

- Generators and other internal combustion power sources shall be separated from Tents and Membrane structures by a minimum of 20 feet and must be isolated from contact with the public by fencing, enclosure or other approved means.
- Power taps that are attached other than direct connect shall require an Electrical Permit that is issued through the Building Inspection Division.

☐ STANDBY PERSONNEL (CFC 2404.20)

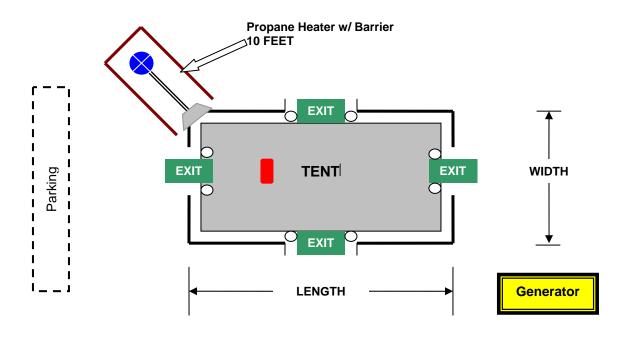
- Where required by the Fire Marshal, standby personnel shall be provided.

HOUSEKEEPING (CFC 2404.21)

- Vegetation Removal: Vegetation shall be removed from the area occupied by a Tent or Membrane structure and from the area within 30 feet of such structures. Combustible materials shall not be stored inside a Tent or Membrane structure, or within 30 feet. Exception: material treated with flame retardant in an approved manner.
- Waste Material: Floor surface inside and outside perimeter within 30 feet shall be kept clear of combustible waste. Such waste shall be stored in approved containers until removed from the premise. (CFC 2404.22)

OTHER FIRE/ LIFE SAFETY INFORMATION/ CONCERNS								

Example Site Plan



STREET NAME

Additional Notes:

Please complete this form prior to making application for an Operational Permit. Have questions or concerns; please call the Fire Prevention Bureau at (415) 485-3308.