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RETAIL SALES OF CONSUMER FIREWORKS within the CITY OF GLENDALE NFPA 1124 CHAPTER 7; 2009 IFC; City of Glendale, AZ

NOTE: The requirements listed below are general in nature and not inclusive of all the requirements detailed in the 2006 Edition of NFPA 1124. Chapter 7 of this Standard only applies when the net weight of pyrotechnic content of consumer fireworks exceeds 125lbs or 250lbs in buildings protected by an approved automatic fire sprinkler system. Where the net weight of pyrotechnic content of consumer fireworks is below 125lbs and 250lbs as described above, the Code for the City of Glendale shall be enforced. Also note, an on-site inspection is required prior to the storage or sale of consumer fireworks.

GENERAL REQUIREMENTS FOR ALL RETAIL SALES:

- A permit and inspection from the Glendale Fire Department is required to sell consumer fireworks in a general merchandise store when above the Maximum Allowable Quantities, or any amount in tents.
- Sales shall be limited to mercantile occupancies defined in NFPA 101, Life Safety Code. (NFPA 1124, sec 7.2.2)
- Retail sales of display fireworks are *prohibited*.
- Signs reading “**FIREWORKS – NO SMOKING**” in letters at least 2 in. high on contrasting background shall be posted at each entrance or within 10 ft of every aisle directly serving the consumer fireworks retail sales area. (NFPA 1124 7.3.11.2)
- 25 % of the total gross weight including packaging of the consumer fireworks may be used as the total quantity of the pyrotechnic composition when the actual pyrotechnic composition weight is not available. (NFPA 1124, sec 7.3.1.2)
- An approved Fire safety and evacuation plan shall be prepared in writing according to (NFPA 1124 7.3.13 & INTERNATIONAL FIRE CODE 404.3.1 & 404.3.2) See Attached*
- Consumer fireworks displayed for sale in stores shall comply with the following: (NFPA 1124, sec 7.5.1.2)
 - Such fireworks shall be under the visual supervision of a store employee or other responsible party while the store is open to the public.
 - Such fireworks shall be packaged fireworks merchandise.

Extinguishers:

- A minimum of two fire extinguishers are required.
 - One shall be pressurized water type, 2A minimum rating. (NFPA 1124, sec 7.3.6.3)
 - One shall be a multipurpose dry chemical type, 4A minimum rating. (NFPA 1124, sec 7.3.8.1)
- Maximum travel distance to a fire extinguisher shall not exceed 75 ft. (NFPA 1124, sec 7.3.8.3)

Exits, Aisles, Doors, Exit Signs, and Emergency Lighting:

- There shall be at least three exits from the retail sales area. (NFPA 1124, sec 7.3.14.1.1)
- The required means of egress shall not be allowed to pass through storage rooms. (NFPA 1124, sec 7.3.14.1.2)
- Aisle shall have a minimum clear width of 48 in. (NFPA 1124, sec 7.3.14.3.1.1)
- The required width of aisles shall be maintained unobstructed at all times the facility is occupied by the public. (NFPA 1124, sec 7.3.14.3.1.2)
- Not less than one aisle shall lead directly to an exit. (NFPA 1124, sec 7.3.14.3.2.1)
- Other required exits shall be located at or within 10 ft of the end of an aisle or cross-aisle. (NFPA 1124, sec 7.3.14.3.2.2)
- Dead –end aisles are prohibited. (NFPA 1124, sec 7.3.14.3.2.4)
- Egress doors shall have a minimum width of 36 in. with a minimum clear width of 32 in. (NFPA 1124, sec 7.3.14.4.1)
- Egress doors with a latching device shall be provided with panic hardware. (NFPA 1124, sec 7.3.14.4.2)
 - Main entrance doors meeting the requirements of IFC 1008.1.8.3 shall be exempt per the Fire Code Official.
- Exits shall have approved self-luminous or internally or externally illuminated exit signs. (NFPA 1124, sec 7.3.14.5)
- Emergency lighting shall be required for the means of egress and exit discharge and shall comply with the NFPA 101, Life Safety Code. (NFPA 1124, sec 7.3.14.6)

Retail Sales Displays, Shelving and Consumer Fireworks:

- No consumer fireworks shall be displayed or stored within 5 ft of any public entrance. (NFPA 1124, sec 7.3.19.2.1)
- Shelving and display cases shall not impede visual access of the sales area and shall not exceed 6 ft in height. (NFPA 1124, sec 7.3.15.2)
- Combustible materials and merchandise shall not be displayed or stored directly above the consumer fireworks display without a horizontal barrier installed per NFPA 430. (NFPA 1124, sec 7.3.15.7)
- Only consumer fireworks meeting the criteria for covered fuses shall be permitted. (NFPA 1124, sec 7.3.15.5.1)
 - A covered fuse firework is a device contained within a packaged arrangement, container or wrapper that is configured such that the fuse of the device cannot be touched directly by a person handling the item without opening the wrapper or package in some way. (NFPA 1124, sec 7.3.15.5.2)

TENTS:

Clearances Must Be A Minimum Of:

- 20 Feet to Buildings. (NFPA 1124, Table 7.4.7.2)
- 20 Feet to Combustibles. (NFPA 1124, Table 7.4.7.2)
- 20 Feet to Other Tents. (NFPA 1124, Table 7.4.7.2)
- 20 Feet to Storage of Fireworks. (NFPA 1124, Table 7.4.7.2)
- 10 Feet to Vehicle Parking. (NFPA 1124, Table 7.4.7.2)
- 30 Feet to Dry Grass, Dry Brush and Combustible Debris. (NFPA 1124, sec. 7.4.6.1)
- 20 Feet for Cooking Equipment of any type. (NFPA 1124, sec. 7.4.9.3.1)

- 50 Feet for Open Flame Cooking Equipment. (NFPA 1124, sec. 7.4.9.3.2)
- 20 Feet to Portable Generators and the Storage of Generator Fuels. (NFPA sec.7.4.9.2 and 7.4.9.3)

Extinguishers and Signage:

- A minimum of two fire extinguishers are required.
 - One shall be pressurized water type, 2A minimum rating. (NFPA 1124, sec 7.3.6.3)
 - One shall be a multipurpose dry chemical type, 4A minimum rating. (NFPA 1124, sec 7.3.8.1)
- Maximum travel distance to a fire extinguisher shall not exceed 35 ft. (NFPA 1124, sec 7.4.5.2)
- The evacuation plan shall be posted in a conspicuous location that is accessible to the public as well as to persons employed or otherwise working in the CFRS facility. (NFPA 1124, sec 7.4.8.2 & INTERNATIONAL FIRE CODE sec. 404.3.1, 404.3.2) *See Attached**
- Exit openings from tents shall have a clear opening width of not less than 44 in. (NFPA 1124, sec 7.4.8.5)
- Minimum of three exits required. (NFPA 1124, sec 7.3.14.1.1)
- Exits shall have approved self-luminous or internally or externally illuminated exit signs. (NFPA 1124, sec 7.3.14.5)
- Emergency lighting shall be required for the means of egress and exit discharge and shall comply with the NFPA 101, Life Safety Code. (NFPA 1124, sec 7.3.14.6)
- Sign posted on exterior of all sides required with 4" letters: **"NO FIREWORKS DISCHARGED WITHIN 300 FEET"** (NFPA 1124, sec 7.4.6.3)
- Signs reading **"FIREWORKS – NO SMOKING"** in letters at least 2 in. high on contrasting background shall be posted at each entrance or within 10 ft of every aisle directly serving the consumer fireworks retail sales area. (NFPA 1124 7.3.11.2)

Source of Ignition:

- Temporary Electrical Equipment: Battery-powered equipment, electrical equipment, and electrical cords that are used in conjunction with a CFRS facility area shall be listed and shall be used in accordance with their listing. (NFPA SEC. 7.4.9.1)
- Where temporary electrical conductors are placed on top of an outdoor surface to connect the permanent power source to the temporary CFRS facility's temporary electrical system, the conductors shall be provided with physical protection against damage caused by pedestrian or vehicular traffic. (NFPA 1124, sec 7.4.9.1.2)

Portable Generators:

- Portable Generators supplying power shall use only Class II or Class III combustible liquid fuel. (NFPA 1124, sec. 7.4.9.2.1)

Attached 2009 IFC Document for Fire Safety and Evacuation Plans

2009 INTERNATIONAL FIRE CODE sec. 404.3.1 states that fire evacuation plans are to include the following:

1. Emergency egress or escape routes and whether evacuation of the building is to be complete or, where approved, by selected floors or areas only.
2. Procedures for employees who must remain to operate critical equipment before evacuating.
3. Procedures for assisted rescue for persons unable to use the general means of egress unassisted.
4. Procedures for accounting for employees and occupants after evacuation have been completed.
5. Identification and assignment of personnel responsible for rescue or emergency medical aid.
6. The preferred and any alternative means of notifying occupants of a fire or emergency.
7. The preferred and any alternative means of reporting fire and other emergencies to the fire department or designated emergency response organization.
8. Identification and assignment of personnel who can be contacted for further information or explanation of duties under the plan.
9. A description of the emergency voice/alarm communication system alert tone and preprogrammed voice messages, where provided.

2009 INTERNATIONAL FIRE CODE sec. 404.3.1 states that fire safety plans are to include the following:

1. The procedure for reporting a fire or other emergency.
2. The life safety strategy and procedures for notifying, relocating or evacuating occupants.
3. Site plans indicating the occupancy assembly point, the location of fire hydrants and the normal routes of fire department vehicle access.
4. Floor plans identifying the locations of the following:
 1. Exits,
 2. Primary evacuation routes,
 3. Secondary evacuation routes,
 4. Accessible egress routes,
 5. Areas of refuge,
 6. Exterior areas for assisted rescue,
 7. Manual fire alarm boxes,
 8. Portable fire extinguishers,
 9. Occupant-use hose stations,
 10. Fire alarm annunciators and controls.
5. A list of major fire hazards associated with the normal use and occupancy of the premises, including maintenance and housekeeping procedures.
6. Identification and assignment of personnel responsible for maintenance of systems and equipment installed to prevent or control fires.
7. Identification and assignment of personnel responsible for maintenance, housekeeping, and controlling fuel hazard sources.