

Coronado Fire Department

Fire Prevention & Hazardous Materials Division

EXHIBITS, TRADE SHOWS and SPECIAL EVENTS

GENERAL:

Exhibits, trade shows, concerts and other events with an anticipated attendance of more than 1,000 or vehicle displays, flame effects, hot work, smoke or haze effects, pyrotechnics or covered booths exceeding 1000 square feet (regardless of attendance) shall obtain a permit.

Note:

1. Events that occur within venues with fixed seating or that conform to an approved master plan are not required to obtain a Fire Department permit, unless such events include vehicle displays, flame effects, hot work, smoke or haze effects, pyrotechnics or covered booths exceeding 1000 square feet.
2. If a generator or other additional power source is proposed, contact the Building Division prior to installation (619-522-7326). Submittal of three (3) sets of plans and a minimum of four weeks for review may be required. For information on Building Division applications please contact the Building Division at (619-522-7326).

AUTHORITY:

California Fire Code, §§ 105.6, 403.12.2, and 19 CCR § 3.06

DEFINITIONS:

Booths, single and multi-level: Assembled display structures for displaying sales literature and product demonstrations. Multi-level booths are characterized as having human occupancy above the floor or ground.

Class K Fire Extinguisher: Fire extinguisher that has been subjected to special tests on cooking appliances using combustible cooking media.

Cooking: Heat food products to over 200 degrees by baking, boiling, deep fat frying, sautéing, etc.

Exit: That portion of a means of egress system which is separated from other interior spaces of a building or structure by fire-resistance rated construction and opening protection as required to provide a protected path of egress travel between the exit access and exit discharge. Exits include exterior exit doors at ground level, exit enclosures, exit passageways, exterior stairs, exterior exit ramps and horizontal exits.

Hot Work: Working metal, glass, jewelry, or other materials by brazing, soldering, flames, grinding, producing sparks or welding.

PERMIT FEES:

Permit fees are not currently being assessed.

SUBMITTAL REQUIREMENT

1. The application must be submitted a minimum of four weeks prior to the start of the event in order to avoid additional fees. In order to ensure a streamlined process it is strongly recommended that all

application be coordinated and submitted by Convention Center Staff.

2. Application without payment cannot be accepted;
3. A minimum of three sets of scaled plans shall be submitted at time of application:
 - a. Electronic submittals are acceptable;
 - b. Minimum 11-inch x 17-inch paper (a larger paper size may be required depending on scale);
 - c. All drawings shall be drawn to a measurable scale. i.e., 1/8 inch = 1 foot, 1 inch = 10 feet;
 - d. Description and name of the event shall be denoted;
 - e. Information regarding the contact person, his/her cell phone number, email, the move-in and move-out date;
 - f. Plans shall depict the location of all rooms, adjoining rooms and corridors in relation to event to the exterior exit locations;
 - g. Name of all room(s), or area(s) on the plans shall be clearly denoted;
 - h. Length, and width of room(s);
 - i. Location and dimensions of all available exits;
 - j. Location of exit signs and emergency lighting;
 - k. Widths of all aisles and cross aisles;
 - l. Maximum occupant load permitted in the usable area shall be calculated and provided.
 - m. A line legend shall be provided to show the difference between walls, curtains and other items within the room or space;
 - n. Types of exhibition or trade show items on display. Display items: Stages, platforms, equipment, materials, booths, vehicles, cameras, sound booths and food service areas);
 - o. Tables, chairs and booths along with their sizes and seating arrangement;
 - p. Routing of temporary electrical distribution and protection of electrical equipment and cables;
 - q. Location of fire appliances, such as fire alarm audio/visual devices, manual pull stations, fire extinguishers, fire hose cabinets, etc.

INSPECTION SCHEDULING:

After the plans are approved, an inspection will need to be scheduled by the event applicant prior to commencement of any permitted event. Additional inspections may be conducted during the event to ensure continued compliance. Facility Management shall be responsible for correction for all violations identified.

FIRE WATCH REQUIRED:

A Fire Watch is required whenever the fire alarm system is placed in event mode. When required a minimum of two (2) fire inspectors are required for the event and are the responsibility of the hosting facility. Additional fire watch personnel may be required based on the complexity of the event. All fire watch logs will be submitted following the event to the Fire Marshal.

GENERAL REQUIREMENTS:

1. Means of Egress:

- a. Exits and their capacity shall be in accordance California Fire/Building Code, or master egress plans approved by Fire Prevention & Hazardous Materials, and Building Divisions;

- b. The available exit capacity must be greater than or equal to the approved occupant load.
 - i. Occupant Loads are to be controlled by the exhibition or trade show operator and reported accurately in the plan. Exhibit, trade show, or special event permits shall be revoked when the actual occupant load exceeds the approved/reported occupant load.
 - ii. Maximum occupant load shall be calculated versus the total or usable square footage of the room. Maximum occupant load shall be calculated by dividing the square footage of room or space by the applicable occupant load factor below:

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
General Session (Chairs Only/Standing)	7 net*
Registration	15 net
Tables and Chairs (Unconcentrated)	15 net *
Stages and Platforms	15 net*
Exhibition Floors	30 net *
Business Centers	100 gross**
Back Stage	200 gross**
Kitchens	200 gross**

*Net = remaining area excluding non-usable circulation space (e.g. space taken by décor, displays, props, etc.);
 ** Gross = all area including non-usable circulation space (e.g. equipment, pillars, stock items, e t c .)

2. Means of Egress:

- a. Exit capacity of grade exits and doors shall be calculated at 0.2 inches per occupant;
- b. Exit capacity of stairs shall be calculated at 0.3 inch per occupant;
- c. The exit access ways shall not be less than the combined required capacity of the converging aisles. Width of access ways need not be greater than the required width of the exit doors to which they lead;
- d. Exiting shall be provided on at least 2 sides of the room being occupied. If 2 or more exits are required, they must be separated by a minimum distance equal to or greater than one third (1/3) the diagonal distance of the room being used to achieve the adequate exiting separation distance;
- e. The available exit capacity must be great than or equal to the approved occupant load;
- f. Booths, tables, displays and the like shall not restrict the required exit capacity.

3. Loose Chair Set-Up

- a. Loose seats, folding chairs, or similar seating facilities that are not fixed to the floor shall be bonded together in groups of not less than 3.

Exceptions:

- 1) When not more than 200 such seats, chairs, or facilities are provided, bonding thereof may be deleted.
- 2) The bonding of chairs shall not be required when tables are provided as when the occupancy is used for dining or similar purposes.

4. Aisles

- a. When seating rows have 14 or fewer seats, the minimum clear width between rows shall not be less than 12 inches.
- b. For rows of seating served by aisles or doorways at both ends, there shall be no more than 100 seats per row, and the minimum clear width of 12 inches between rows shall be increased by 0.3 inch for every

additional seat beyond 14, but the minimum clear width need not exceed 22 inches. Therefore, if you wish to have between 54 and 100 seats in a row, there must be at least 22 inches between rows.

- c. For rows of seating served by an aisle or doorway at one end only, the minimum clear width of 12 inches between rows shall be increased by 0.6 inch for every additional seat beyond seven, but the minimum clear width need not exceed 22 inches. In addition, the distance to the point where the occupant has a choice of two directions of travel to an exit shall not exceed 30 feet from the point where the occupant is seated. Therefore, if a row of seats is set up against a wall, the row cannot be greater than 30 feet long, and the row must end in an aisle that has two choices for exiting.
- d. All aisles must be at least 48 inches wide and lead to an exit and 36 inches for aisles having seating on only one side.
- e. Aisles must be maintained between tables and the aisles are required to end in a cross aisle that provides a choice of two or more paths of egress to separate exits. In general tables must be set up with a minimum of 54 inches apart.
- f. Aisles shall not exceed 30 feet in length and must terminate in a cross aisle that contains at least two choices to separate exits. The 30 feet is measured from the furthest chair to the cross aisle. If a cross aisle is placed at each end of the aisle, the aisle can be a maximum of 60 feet long.
- g. All cross aisles must end at an exit. The minimum width of cross aisles is 54 inches. When the occupant load of the room exceeds 360 attendees the cross aisles are required to be larger than 54 inches. The width is determined on a "per occupant" basis. In a building that is fire sprinklered 0.15 inches must be provided for each occupant. For a building that is not fire sprinklered the factor of 0.2 inches must be used.

5. Booth Construction:

- a. Booth construction is to be made of materials complying with California Fire Code as follows:
 - 1) Noncombustible materials;
 - 2) Wood exceeding ¼ inch nominal thickness;
 - 3) Wood that is pressure-treated, fire-retardant wood meeting the requirements of NFPA 703, Standard for Fire-Retardant Coatings for Building Materials;
 - 4) Flame-retardant material complying with NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films;
 - 5) Textile wall coverings, such as carpeting and similar products used in wall or ceiling finishes complying with Chapter 8 of the California Fire Code;
 - 6) Plastics limited to a Class A flame spread index;
 - 7) Foamed plastics and materials containing foamed plastics complying with Chapter 8 of the California Fire Code;
 - 8) Cardboard, honeycombed paper, and other combustible materials having a heat release rate for any single fuel package that does not exceed 150 kW where tested in accordance with UL 1975, Standard for the fire Tests for Foamed plastics Used of Decorative Purposes;
 - 9) Covered booths exceeding 1,000 square feet shall be provided with interior automatic sprinkler protection.

6. Fire Protection & Life Safety:

- a. Fire protection and life safety features or components (e.g. EXIT signs, emergency lighting, fire alarm devices, fire extinguisher cabinets, hose cabinets, strobes, and horns) shall be obstructed by decorations or setup materials.

- b. Ceiling suspended curtains, drapes and textiles in exhibition spaces are to have a minimum of 18 inches of clear space between the top of material and the sprinkler deflector.

Exception: Materials hung within six inches of a wall.

- c. Additional fire extinguishers may be required for placement in an exhibition hall assembly to provide;
- d. Special hazards, i.e., hot works and cooking shall be provided with a fire extinguisher suitable for the hazard. A Class K fire extinguisher shall be provided for demonstration cooking

7. Electrical Safety:

- a. All electrical controls, breakers, fuses and switches must be enclosed in approved enclosures and provide adequate working space and clearance;
- b. All electrical systems must be properly grounded;
- c. Extension cords shall be of a grounded type, and of an appropriate rating;
- d. Extension cords and power strips shall not be “daisy chained” (connecting multiple devices);
- e. Relocatable power taps shall be of the polarized or grounded type, equipped with overcurrent protection, and shall be listed in accordance with UL 1363;
- f. Relocatable power taps shall be directly connected to a permanently installed receptacle;
- g. Extension cords and relocatable power tap cords shall not extend through walls, ceilings, floors, under doors or floor coverings, or be subject to environmental or physical damage;
- h. Extension cords shall be plugged directly into an approved receptacle, power tap or multi-plug adapter and, except for approved multi-plug extension cords, shall serve only one portable appliance;
- i. Extension cords shall be maintained in good condition without splices, deterioration or damage;
- j. Extension cords shall be grounded where serving grounded portable appliances.
- k. Open junction boxes and open-wiring splices shall be prohibited. Approved covers shall be provided for all switch and electrical outlet boxes;
- l. Electrical appliances and fixtures shall be tested and listed in published reports of inspected electrical equipment by an approved agency and installed and maintained in accordance with all instructions included as part of such listing;
- m. Temporary wiring attached to a structure shall be attached in an approved manner;
- n. Extension cords on the ground or in areas traveled by the public must be protected by approved covers (i.e., electrical bridges);

8. Decorative Materials:

- a. All decorative materials including (draperies, artificial plants, etc.) used for construction or decoration shall be flame retardant and flame certificates shall be provided;
- b. Artificial vegetation is regulated according with Chapter 8 of the California Fire Code and National Fire Protection Association (NFPA) 701 standard;
- c. Flame resistance compliance is preferred to be indicated by tag affixed to each curtain, drape or textile. Flame resistance certifications shall be available to the Fire Department Inspectors. Decorative textiles, drapes, curtains and the like shall be flame retardant as tested by NFPA 701;
- d. Foam plastics, other than poster boards, shall not be permitted. SCFD will consider foam plastics complying with the currently adopted Building Code. A separate Fire Protection Report

demonstrating compliance with the Building Code is required for foam plastics;

- e. Fire resistant foam board signage, not than 1/2-inch in thickness, is acceptable.

9. **Crowd Managers:**

Where facilities or events involve a gathering of more than 1,000 people, crowd managers shall be provided when determined necessary by the fire code official. The minimum number of crowd managers shall be established at a ratio of one crowd manager for every 500 persons.

Exception: Where approved by the fire code official, the number of crowd managers shall be permitted to be reduced based upon the nature of the event.

Crowd managers are required to be adequately trained, and their duties as crowd managers shall include, but not be limited to:

- a. Conduct an inspection of the area of responsibility and identify and address any egress barriers;
- b. Conduct an inspection of the area of responsibility to identify and mitigate hazards;
- c. Direct and assist the event attendees in evacuation during an emergency;
- d. Assist emergency response personnel where requested;
- e. Other duties required by the fire code official;
- f. Other duties as specified in the fire safety plan.

10. **Public Safety Plan:**

When required, the Public Safety Plan shall include all of the following items:

- a. Emergency vehicle ingress and egress;
- b. Fire protection;
- c. Emergency egress or escape routes;
- d. Emergency medical services;
- e. Evacuation assembly areas;
- f. The directing of both attendees and vehicles, including the parking of vehicles;
- g. Vendor and food concession distribution;
- h. The need for the presence of law enforcement;
- i. The need for fire and emergency medical services personnel.

PLAN REVISIONS & RESUBMITTALS:

1. Revisions to approved plans are required to be submitted and approved prior to the start of the event. Changes to plans shall be identified referencing the date of modification.
2. Re-submittals shall include a written response to each of the previous plan review comments. Changes to the plans shall be identified referencing the date of the modification.