

## FIRE REGULATIONS

### REGULATIONS GOVERNING EXHIBITS AND DISPLAYS IN PUBLIC BUILDINGS

#### DISPLAY MATERIALS

1. The following materials shall be flameproof if used for display or decorative purposes: Artificial flowers or foliage, plastic materials, split wood and bamboo fibres, textiles, paper-(cardboard or compressed paperboard less than 1/8" in thickness is considered to be paper). Wallpaper is permissible if pasted securely to walls or wall board backing. Foam plastic cored art board shall be coated on all sides with a fire retardant paint, or varnish. Edges to be encased in a metal "U" channel or metal "muffler- tape. Tape must extend at least 3/8" on face and reverse of board.

2. The use of the following materials shall be prohibited: Acetate fabrics, corrugated paper box boards, no-seam paper, paper backed foil, unless glued securely to suitable backing.

3. It is not necessary to flameproof textiles, paper and other combustible merchandise on display for sale, but the quantity so used shall be limited to the displaying of one salvageable length. Each sample must differ in colour, weave or texture.

#### FLAME PRODUCING DEVICES

All exhibits having open flame devices must be accepted by the Fire Department. The general rules are:

1. Flame shall not be used solely to attract attention.

2. Exhibits utilizing flame producing devices must be attended at all times.

3. The use of an open flame is limited to certain articles of merchandise where the operation of an approved appliance or device definitely helps to promote the sale of such equipment.

4. Where candles are offered for sale, not more than four candles may be lit at any one time, and they must be shielded by hurricane type chimneys. If glass contained candles are lighted, the flame must not extend above the rim of the container.

#### FLAMMABLE GAS

1. 1x5 lb. propane cylinder only as approved under the Propane Storage, Handling and Utilization Code for demonstration purpose. When a cylinder is used with a self-contained propane hand torch or similar equipment it shall have a maximum WC of 2 1/2 lbs

2. Equipment must be set up as remote as possible from public aisles, and installed in a manner to comply with approved safety standards.

3. 1x40 cu. ft. cylinder of acetylene will be permitted for use in Arts & Crafts type displays and for demonstration purposes

#### AEROSOLS

1. It is permissible to exhibit one pressurized container, not exceeding one pint capacity of each product classified as a flammable liquid

2. Non-flammable products are not restricted

#### VEHICLES

1. Motor vehicles or gasoline-powered equipment on display must be equipped with lock-on type gasoline tank caps, and batteries are to be disconnected. Gasoline tanks must not be filled beyond the 3/4 mark in order to allow for expansion of product. Vehicles unable to be equipped with lock-on type caps must have caps sealed in a manner acceptable to the Fire Department.

2. Running of display vehicles during exhibit is prohibited unless approved by the Fire Department.

3. Shows requiring vehicles to run as part of a performance or contest must fill vehicle outdoors from approved safety containers.

4. Propane charged cylinders are not permitted on self-propelled vehicles or trailers on display inside buildings.

5. If at any time an Inspector deems that equipment is being operated in a manner dangerous to public safety, he shall cancel the privilege of the exhibitor concerned.

#### DISPLAY LAYOUT

1. Display must not encroach on exit doorways.

2. No portion of a display shall project into any aisle as designated for the show concerned.

3. The aisle clearance at the bottom and top of a stairway shall be equal to the width of the stairway. Access to exits shall be maintained clear.

4. Where the occupant load exceeds 200 persons in the assembly occupancy containing non-fixed seating, the seats shall be fastened together in units not less than 4 or more than 12, or each end seat abutting an aisle shall be securely fastened to the floor if the area is enclosed, approved illuminated EXIT signs are required.

5. a) If fire protection equipment is located within the exhibit space. It shall be the responsibility of Show Management to provide direct and unobstructed access to such equipment.

b) A fire extinguisher bearing the Underwriters' Laboratories of Canada designation 2-A shall be provided and maintained for each 3000 square feet of floor area.

c) In every eating establishment wherein cooking is conducted, there shall be provided and maintained therein, one dry chemical fire extinguisher bearing the Underwriters' Laboratories of Canada Designation 40-BC.

d) In every eating establishment and exhibit or display in which commercial cooking equipment producing grease-laden vapors are used, the cooking equipment shall be installed and exhaust ventilated in conformance with the requirements of the Ontario Building Code.

e) An approved fire extinguisher must be installed in exhibit areas where flame producing devices are used, or when required by an Inspector.

6. Hay, straw, shredded paper and excelsior packing must be removed from the building unless it can be returned to tightly closed packing containers.

7. Any enclosed showroom with an excess of 2,000 sq. ft. or an occupancy of 60 persons must have two means of egress as remote as possible.

8. Boxes, crates and cartons from which merchandise has been removed, must be piled neatly in a storage area designated by Show Management.

9. Construction of ceiling decorations of show booths must not impede operation of sprinkler system. Not more than 50% of a ceiling may be covered.

10. No-width shall exceed 48" without an equal opening.

11. To test materials Hold materials to be tested in a vertical position, apply flame to the lower edge for a minimum of twelve (12) seconds.

12. To pass a test of satisfactory resistance to flame spread, a material should not continue to flame for more than two (2) seconds after the test flame is removed.

### REGULATIONS GOVERNING WELDING & CUTTING

These rules and regulations are part of the Ontario Fire Code and must be adhered to if you are conducting any welding or cutting operations in your booth.

5.17.1.1 The protection of persons and property from injury or damage by fire or other causes arising from electric and gas welding and cutting equipment, its installation, operation and maintenance, shall conform to CSA W 117.2-1974, "Code for Safety in Welding and Cutting (Requirements for Welding Operators)," and to the requirements in this Section.

#### 5.17.2. USE AND MAINTENANCE OF EQUIPMENT

5.17.2.1. The operation of acetylene generating systems and the storage and generation of welding fuel gases shall conform to NFPA 51-1977, "Design and Installation of Oxygen-Fuel Gas Systems for Welding and Cutting," Chapter 6.

5.17.2.2. Acetylene gas shall not be piped through copper tubing or piping.

5.17.23. Cylinders stored inside buildings shall conform to the requirements in Section 5.6

5.17.2.4. Gas fuel cylinders, whether full or empty, whose valves are not in a recessed or protected location shall have their caps in place and their valves rightly closed when in storage.

5.17.2.5. Torches, regulators, hoses and other oxyacetylene welding and cutting equipment which have been damaged shall not be used

5.17.2.6. All equipment in use shall be examined daily for defects, and welding and cutting equipment shall be tested for leaks with an approved leak test solution.

5.17.2.7. All valves shall be closed and lines bled when equipment is not in actual use. 5.17.2.8. Oil or grease shall not be used for lubrication of welding and cutting equipment.

#### 5.173. PREVENTION OF FIRES

5.17.3. 1 (1) Except as provided in Sentence (2), welding and cutting operations in buildings shall be carried out in areas free of combustible and flammable contents, with walls, ceilings and floors of noncombustible construction or lined with noncombustible materials.

(2) When it is not practicable to undertake welding and cutting operations in areas described in Sentence (1), combustible and flammable materials shall either be removed at least 11 m from the work area or otherwise protected against ignition by sheet metal, asbestos blankets or other noncombustible material.

5.17.3.2. When welding or cutting is to be carried out near piping containing flammable gas, the section of the piping located within 1 m of the torch shall be covered with wet noncombustible insulating material at least 6 mm thick.

5.17.3.3. (1) Welding or cutting of metal containers shall not be undertaken until all containers and all compartments within such containers have been cleaned of flammable and combustible materials and checked with an approved explosion meter.(2) Welding or cutting operations shall not be undertaken on a totally enclosed container.