



CLARK COUNTY FIRE DEPARTMENT
Fire Prevention Bureau
575 E. Flamingo Road, Las Vegas, NV 89119
(702) 455-7316 FAX (702) 455-7347



105.8.c.1

TITLE: CANDLES AND OPEN FLAME IN ASSEMBLY AREAS

SCOPE: The Clark County Fire Department requirements for the submittal of decorative open flame devices for use in public spaces including but not limited to, assembly, business, and places of worship.

Other uses such as food warming open flames, fire performers, flame effects, temporary candle and open flame, and flaming food and beverage preparation require separate permits.

PURPOSE: To standardize plan/permit requirements required by the Clark County Fire Department in accordance with 2005 Clark County Fire Code. Permits issued for open flame devices expire one year after the date of issue. Permits for the same devices may be renewed.

DEFINITIONS:

Assessor's Parcel Number (APN): A unique number assigned to each property by the Clark County Assessor's office.

Open-flame decorative device: Candles, torches, oil lamps and the like used as decorations and lighting.

Candle Assembly: Candle assemblies are described as a decorative base (if applicable), the votive/vase/holder, the type of candle (standard wax, liquid or self-extinguishing liquid), and other items included in these arrangements (plant or floral arrangements, linen skirting, statues, water, gels, rocks, etc.).

PERMIT PROCEDURE INFORMATION:

Permit fees shall be assessed in accordance with the Permit Fee Schedule, as adopted in the 2005 Clark County Fire Code. For applications that are expedited, additional fees shall apply.

SPECIFICATIONS AND REQUIREMENTS:

An application must be completed for each submittal. A minimum of three (3) sets of plans shall be submitted with the permit application. Plans shall show compliance in accordance with Article 11 and Article 25 of the 2005 Clark County Fire Code.

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Each candle assembly requires a separate permit. Candle assemblies may be permitted for several locations within the same facility.

Provide one (1) complete candle assembly for testing. Note if the device is intended for use in multiple locations.

Each submitted sample will be tested according to Article 11, Section 1109.8.2 of the 2005 Clark County Fire Code. Design and Test criteria for candle assemblies include those given as items 1 thru 5 of Article 11, Section 1109.8.2 of the 2005 Clark County Fire Code noted as follows:

- Class I and Class II liquids and LP-gas shall not be used.
- Liquid or solid fueled lighting devices containing more than eight (8) ounces of fuel must self-extinguish and not leak fuel at a rate of more than 0.25 teaspoon per minute (1.26 ml per minute) if tipped over.
- The device or holder shall be constructed to prevent spillage of liquid fuel or wax at a rate more than 0.25 teaspoon per minute (1.26 ml per minute) when the device or holder is not in an upright position.
- The device or holder shall be designed so that it will return to the upright position after being tilted to an angle of 45-degrees from vertical. (See exception for self-extinguishing candles in the Fire Code.)
- The flame shall be enclosed except where openings on the side are not more than 0.375 inch diameter or where openings are on top and the distance to the top is such that a piece of tissue paper placed on top will not ignite in 10 seconds.

Required Submittals:

Plans and reports shall address the following:

1. Scaled floor plans for each level showing dimensions of egress elements and fire and life safety equipment (i.e. fire extinguishers, exit signs, emergency lighting and fire alarm features), seating arrangements, furniture, booths, displayed vehicles etc. Each candle submittal requires a separate floor plan.
2. Photographs of every candle assembly must be provided. The entire candle assembly must be photographed as depicted in the detailed description.
3. Photographs must be taken of every candle assembly in every desired display location and must be provided with each submittal. Each display location must be

photographed with the entire candle assembly in the exact location requested for the display. Pictures must provide a clear representation of each candle assembly as it will be displayed.

4. A detailed written description of the entire candle assembly, including dimensions, must be provided for each submittal. Each item listed in the candle assembly must be described in detail with dimensions provided. Excluding the candle itself, all items must be inherently fire resistant and certificates of fire resistance must be provided. *(Example: Candle assembly #1 consists of a 4-inch tall by 5-inch diameter fishbowl shaped clear glass Votive filled with a 2-inch tall by 2-inch wide brown square votive housing a 1-inch tall by 1-inch (1 ounce) Self-extinguishing, liquid-fueled candle).*
5. A detailed written description of each candle assembly display location must be provided. Each separate location requires a description. *(Example: Candle assembly #1 is used as a center piece display on a 12-foot round dining table in Ballroom #A for food service events and behind beverage bars during same event).*

PERMIT REVISIONS AND RESUBMITTALS:

Revisions to approved devices or plans are required to be submitted and approved. Revisions will be assessed additional plan review fees. A copy of the previously approved plan or sample of device shall accompany the revised submittal to facilitate the review. Clearly indicate all changes to the revised plans by clouding the change with a delta number to signify the date of plan change. When several changes have been made, a detailed list of changes is required.

Re-submittals to address a Letter of Correction will require a full submittal. These plans require a copy of the red-lined plan from the previous submittal to facilitate the review. Clearly indicate all changes by clouding the change with the delta number to signify the date of plan change.

PLANS CHECK STATUS INSTRUCTIONS:

The status of the review can be checked by logging on to:
www.accessclarkcounty.com/fire.

INSPECTIONS THAT MAY BE REQUIRED AND SCHEDULING INSTRUCTIONS:

If approved, an inspection will need to be scheduled. To schedule an inspection, also go to: www.accessclarkcounty.com/fire. A fire inspector will review your site in accordance with the approved device, plans and this guideline.

Each open flame device will be inspected in its location and condition of use.

The Fire Prevention Bureau (FPB) may perform testing, acceptance, and maintenance of fire & life safety systems as required by and within the scope and authority of the 2005 Clark County Fire Code.

This Guideline does not take the place of the 2005 Clark County Fire Code and does not take precedence over any fire code requirement or position taken by the Fire Chief. When a conflict exists between the requirements of this Guideline and the 2005 Clark County Fire Code or the opinion of the Fire Chief, the Fire Code or opinion of the Fire Chief prevails.

Technical Assistance when required by the Fire Chief will require a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the property owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.

Acceptance of Alternative Materials and Methods requires a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the property owner. The Fire Chief is authorized to require design submittals to bear the
| Wet Stamp and Signature of a professional engineer.