



CLARK COUNTY DEPARTMENT OF BUILDING

Fire Prevention Bureau

4701 West Russell Road, Las Vegas, NV 89118
(702) 455-7316 FAX (702) 455-7347

OTC-013

Effective Date: 09/30/2013

Revision Date:

**TITLE: OVER THE COUNTER (OTC) PLAN REVIEW
PLACES OF ASSEMBLY – TEMPORARY TIER I**

SCOPE: Use Group A Places of Assembly Permits for buildings or spaces with permanent places of assembly having contiguous area of up to 14,999 square feet.

The following is required for all drawings, diagrams or plans:

- Plans shall be on 11 by 17 inch paper or larger
- Plans must show routes to the common egress system
- Dimensions of the place of assembly: Must be < 15,000 sq ft for OTC
- Point of Contact: phone number and/or email of responsible charge
- Name of property or business
- Usable area and total area of assembly space
- Maximum Occupant Load (see example calculation)
- Exit capacity (see example calculation)
- Exit capacity must exceed the occupant load

Prepared By 	Concurred By 	Approved By
Edward Kaminski Fire Dept Protection Engineer	Girard Page Senior Deputy Fire Chief	Ron Lynn Building Official
Reviewed By 	Reviewed By 	
Kurt Gottschalk Deputy Fire Marshal	Donna Starkes Deputy Fire Marshal	

- Exit doors shall swing in the direction of travel
- At least two exits separated by at least 1/3 the diagonal of the space
- Dead-end aisles do not exceed 20-feet.
- Banquet style seating - minimum of 6-feet spacing from table edge to table edge
- Spacing of table edge to wall not less than 4 feet, 6 inches
- Aisles around high tops (tall cocktail tables without chairs) to be at least 3 feet wide
- Temporary seats in theater style seating to have aisles measuring at last 12-inches from the back of the chair to the nearest projection. If the number of chairs in a row exceeds 14, the width is to be increased by 0.3 inch for each chair
- Classroom style seating where chair are in front of tables shall have at least 3-feet, 8-inches aisles.
- Note that, when the number of chairs exceeds 200, chairs not permanently secured to the floors shall be banded together in groups of three.
- Plans to include a note stating that fire protection equipment, i.e. fire extinguishers, fire alarm strobes and hose valves, shall not be obstructed

Sample Occupant Load Calculations:

The Occupant Load is based on the area of the assembly space according to the following factors:

Permanently fixed seats:	actual seat count
Concentrated seating / chairs only:	7 sq ft per person
Standing space:	5 sq ft per person
Unconcentrated Seating / tables and chairs:	15 sq ft per person

Example: Assembly space tables and chairs in 12,000 sq ft area and 1,500 sq ft of standing space at the bar:

$$\begin{aligned} \text{Occupant Load} &= (12,000 \text{ sq ft} \div 15 \text{ sq ft / person}) + (1,500 \text{ sq ft} \div 5 \text{ sq ft / person}) \\ &= 800 + 300 = \mathbf{1,100 \text{ persons}} \end{aligned}$$

Sample Exit Capacity Calculation:

For a room having both: (1.) two sets of double doors leading to the egress system and (2.) a single door leading to a stairway

1. Two sets of double doors, each leaf = 3 feet exit width.

3 feet x 2 doors x 2 sets = 12 feet

12 feet x 80 persons/foot = **960 persons** can use the two sets of double doors

2. One 3 foot door leading to a 3-2/3 foot wide stair. (Use the stair width if stair capacity is less than door capacity)

For the single door:

3 feet x 80 persons/foot = 240 persons can use the door

For stairs:

3-2/3 foot x 60 persons/foot = **220 persons** can use the stairs

Since the stair capacity (220) is less than the door capacity (240), use the stair capacity only.

Total exit capacity for the room is the sum: $960 + 220 = 1,180$ persons.

Since the Exit Capacity of 1,180 persons is greater than the Occupant Load of 1,100 persons the exit system is acceptable with respect to exit capacity.