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CLARK COUNTY BOARD OF COMMISSIONERS AGENDA ITEM

Petitioner: Jerome A. Stueve, Director of Building & Fire Prevention

Recommendation:

Conduct a public hearing and approve, adopt, and authorize the Chair to sign ordinance amending Title 22, Chapter 22.04 of the Clark County Code to add a New Subsection 22.04.048 entitled Smoke Removal; effective January 1, 2020; and providing for other matters properly relating thereto; or take other action as appropriate. (For possible action)

FISCAL IMPACT:


Fund #:	N/A	Fund Name:	N/A
Fund Center:	N/A	Funded PGM/Grant:	N/A
Amount:	N/A		
Description:	N/A		
Additional Comments:	N/A		

BACKGROUND:

During the preparation of the Southern Nevada Amendments to the 2018 International Building Code, the proposed language related to smoke removal after a fire was inadvertently omitted. This ordinance provides clarity as to the applicability of the smoke removal requirements and allows for the utilization of existing HVAC and/or smoke control systems, under certain conditions.

On December 3, 2019, the Board considered and approved the Business Impact Statement in accordance with NRS 237.090.

The amended ordinance was introduced at the December 3, 2019, Board of County Commissioners' meeting, and a public hearing is scheduled for December 17, 2019 at 10:00am.

Approved
12/17/19


Cleared for Agenda

12/17/2019

Agenda Item #

[Bracketed] material is that portion being deleted
Underlined material is that portion being added

BILL NO. 12-3-19-4

SUMMARY - An ordinance to amend Title 22, Chapter 22.04 of the Clark County Code to add a New Subsection 22.04.048 entitled Smoke Removal effective January 1, 2020; and providing for other matters properly relating thereto.

ORDINANCE NO. _____
(of Clark County, Nevada)

AN ORDINANCE TO AMEND TITLE 22, CHAPTER 22.04 OF THE CLARK COUNTY CODE TO ADD A NEW SUBSECTION 22.04.048 ENTITLED SMOKE REMOVAL EFFECTIVE JANUARY 1, 2020; AND PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO.

THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF CLARK, STATE OF NEVADA, DOES HEREBY ORDAIN AS FOLLOWS:

SECTION 1. Title 22, Chapter 22.04 is amended to read as follows:

22.04.048 - Smoke Removal.

A subsection, designated "403.4.7 Smoke Removal", is amended to read as follows:

403.4.7 Smoke Removal.

To facilitate smoke removal in post-fire salvage and overhaul operations; buildings and structures shall be equipped with natural or mechanical ventilation for removal of products of combustion in accordance with one of the following:

Exceptions:

1. Smoke removal is not required for building renovations where HVAC systems are not being modified.

2. Smoke removal systems are not required for remodels and alterations within existing buildings where the area being remodeled or altered is provided with a smoke control approach consistent with the smoke control requirements of the existing building.
 3. Where permitted by the fire code official, smoke removal systems are not required for minor additions to existing buildings that are not already provided with smoke removal systems.
1. Easily identifiable, manually operable windows or panels shall be distributed around the perimeter of each floor at not more than 50-foot (15 240 mm) intervals. The area of operable windows or panels shall not be less than 40 square feet (3.7 m²) per 50 linear feet (15 240 mm) of perimeter.

Exceptions:

1. In Group R-1 occupancies, each sleeping unit or suite having an exterior wall shall be permitted to be provided with 2 square feet (0.19 m²) of venting area in lieu of the area specified in Item 1.
 2. Where permitted by the fire code official, windows of tempered glass shall be permitted to be fixed provided no coating or film is applied and that glazing can be cleared by firefighters.
 3. Manually operable windows or panels are not required in Group R-1 and R-2 residential units provided the residential units comply with the passive requirements of Section 909 and all corridors between the residential units and the exit enclosures serving the residential units comply with Section 403.4.7, Item 3.
2. Mechanical air-handling equipment providing one exhaust air change every 15 minutes for the area involved. Return and exhaust air shall be moved directly to the outside without recirculation to other portions of the building. The air volume shall be calculated based upon the volume of the space between the floor and the floor or roof structure above. The exhaust air quantity shall be as measured at the exhaust fan.

Exception: Smoke removal is not required for normally unoccupied areas such as mechanical equipment rooms, electrical rooms, storage rooms that do not exceed 500 square feet in area, elevator equipment rooms, or similar areas as approved by the building official.

3. A smoke control system that provides a minimum of one exhaust air change every 15 minutes is provided for the area involved upon manual activation of the smoke removal feature at the smoke control graphics panel. The volume of air shall be calculated based upon the volume of the space between the floor and the floor or roof structure above. The exhaust air quantity shall be as measured at the exhaust fan.

4. Any other approved design that will produce equivalent results where permitted by the Authority Having Jurisdiction.

SECTION 2. If any section of this ordinance or portion thereof is for any reason held invalid or unconstitutional by any court of competent jurisdiction, the other sections of this ordinance shall remain valid.

SECTION 3. All ordinances, parts of ordinances, chapters, sections, subsections, clauses, phrases, or sentences contained in the Code of Clark County in conflict with this ordinance are hereby repealed.

SECTION 4. This ordinance shall take effect January 1, 2020, and be in force from and after the date set forth below, after its passage and the publication thereof by title only, together with the names of the County Commissioners voting for or against its passage, in a newspaper published in and having a general circulation in Clark County, Nevada, at least once a week for a period of two (2) weeks.

PROPOSED on the 3rd day of December, 2019

PROPOSED BY Marilyn Kirkpatrick

PASSED on the ____ day of _____, 2019

AYES: _____

NAYES: _____

ABSTAINING: _____

ABSENT: _____

BOARD OF COUNTY COMMISSIONERS
CLARK COUNTY, NEVADA

BY: _____
Marilyn Kirkpatrick, Chair

ATTEST:

LYNN GOYA, County Clerk

This ordinance shall be in force and effect from and after the 1st day of January, 2020.