

| 2015 IBC Section | Current Mesquite - 2009 International Building Code | 2015 IBC Recommended Amendments | BO Recommendation and Comments |
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| This table does not list amendments in the current code that are being retained in the proposed ordinance. | | | |
| 105.2 | <p>Amend by deleting the section in its entirety and adding a new Section 105.2 to read as follows:</p> <p>Permit exemptions. No building permit fee shall be required for the construction or repair of any building or structure the title of which is directly vested in the federal government, state, county, city or any independent school district. When a request for permit is made, this exemption request shall be made in writing to the Code Official.</p> <p>Exception. Building permit fees shall be paid by all public schools or public day care operations used in connection therewith.</p> | <p><i>Local amendment not needed</i> -- Section supplanted by City Code Section 5-20(f).</p> <p>Delete items # 1, 2, 4, 6, 9, 10, & 12. Renumber accordingly</p> | <p>Remove 2009 amendment. Approve deletions.</p> |
| 105.5 | | <p>Amend by deleting Section 105.5 in its entirety and adding a new Section 105.5 to read as follows:</p> <p>Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 30 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 90 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.</p> | <p>Approve This will help keep work moving and have less partially built projects</p> |

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| 202 | <p>Amend by adding a definition of Assisted Living Facilities to read as follows:</p> <p>ASSISTED LIVING FACILITIES. A building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff.</p> | <p>Approve Needed a definition for this</p> |
| 202 | <p>Amend by changing the definition of atrium to read as follows:</p> <p>ATRIUM. An opening connecting two <u>three</u> or more stories....{Balance remains unchanged}</p> | <p>Approve</p> |
| 202 | <p>Amend by adding a definition of Repair Garage to read as follows:</p> <p>REPAIR GARAGE. A building, structure or portion thereof used for servicing or repairing motor vehicles. This occupancy shall also include garages for minor repair, modification and servicing of motor vehicles for items such as lube changes, inspections, windshield repair or replacement, shocks, minor parts replacement and other such minor repair.</p> | <p>Approve Needed a definition for this</p> |
| 303.1.3 | <p>Amend by adding a sentence to the end of section 303.1.3 to read as follows:</p> <p>Except when applying the assembly requirements of Chapter 10 and 11</p> | <p>Approve</p> |

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| 310.1 | Amend by adding a second paragraph under R-3 in Section 310.1 to read as follows: Adult care and child care facilities with five or fewer unrelated persons that are within a single-family home are permitted to comply with the International Residential Code. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. <i>included in 2015 IBC</i> |
| 403.3 | Amend by deleting Exception 2 in Section 403.3 in its entirety. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. |
| 404.1.1 | Amend by deleting the definition of "Atrium" in the section in its entirety and adding a new definition of "Atrium" in Section 404.1.1 to read as follows: Atrium. An opening connecting three or more stories other than enclosed stairways, elevators, hoist ways, escalators, plumbing, electrical, air-conditioning or other equipment, which is closed at the top and not defined as a mall. Stories, as used in this definition, do not include balconies within assembly groups or mezzanines that comply with Section 505. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. <i>Definition has moved</i> |
| 403.3.2 | | Amend by replacing 420 feet with <u>120 feet (36.5 m)</u> | Approve |
| 423.4.1 | | Amended by adding a new Section 423.4.1 to read as follows: Minimum Capacities. The required occupancy capacity of all storm shelters on the site shall be the greater of the following: 1. The total occupancy load of the classrooms and offices in the Group E occupancy; or 2. The occupancy load of any all-school assembly space that is associated with the Group E occupancy. 3. Exception: Where a new building is being added to an existing Group E occupancy campus, the storm shelter shall at a minimum accommodate the occupancy load for the new building. | Approve This clarifies the areas to figure the practical occupancy for a school and still covers the occupants |

423.5

Amended by adding a new Section 423.5 to read as follows:

Modifications. The Building Official, upon application of the owner or owner's representative, shall have the authority to grant modifications to the size of storm shelters in Group E occupancies based upon the practical capacity of educational space and subject to Peer Review in Section 106 of ICC 500. The approved capacity of the storm shelter shall be noted on the facility certificate-of-occupancy.

Approve

508.2.5

Amend by adding a sentence at the end of Section 508.2.5 to read as follows:

An incidental accessory occupancy shall be classified in accordance with the occupancy of that portion of the building which it is located.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Covered in 509.1 in 2015 IBC

708.2

Amend by deleting Exception 7 in the section in its entirety and adding a new Exception 7 in Section 708.2 to read as follows:

In other than Groups I-2 and I-3, a shaft enclosure is not required for a floor opening or an air transfer opening that complies with the following:

7.1 Does not connect more than two stories.

7.2 Is not part of the required means of egress system except as permitted in Section 1022.1.

7.3 Is not concealed within the building construction of a wall or a floor/ceiling assembly.

7.4 Is separated from floor openings and air transfer openings service other floors by construction conforming to required shaft enclosures.

7.5 Is limited to the same smoke compartment.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Exceptions have been removed in 2015 IBC

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| 712.1.9 | | <p>Amend by changing item 4 to read as follows:</p> <p>4. Is not open to a corridor in Group I and H occupancies.</p> | Approve |
| 906.1 | <p>Amend by deleting the exception to Item 1 in the section in its entirety and adding a new exception to Item 1 in Section 906.1 to read as follows:</p> <p>In R-2 occupancies, portable fire extinguishers shall be required only in locations specified in Items 2 through 6 where each dwelling unit is provided with a portable fire extinguisher having a minimum rating of 1-A: 10-B: C.</p> | <p><i>Local amendment not needed - adopt code section as written</i></p> | <p>Remove 2009 amendment. included in 2015 IBC</p> |
| 910.3. | <p>Amend by deleting the title of the first row of the table and adding a new title to the first row of Table 910.3 to read as follows:</p> <p>Group H, F-1 and S-1</p> | <p><i>Local amendment not needed - adopt code section as written</i></p> | <p>Remove 2009 amendment. Table is no longer in IBC</p> |
| 910.3.2.2 | <p>Amend by adding a second paragraph to read as follows:</p> <p>The automatic operating mechanism of the smoke and heat vents shall operate at a temperature rating at least 100 degrees Fahrenheit (approximately 38 degrees Celsius) greater than the temperature rating of the sprinklers installed.</p> | <p><i>Local amendment not needed - adopt code section as written</i></p> | <p>Remove 2009 amendment. This is addressed in the following amendments</p> |
| 910.3.4 | | <p>Amend by adding Section 910.3.4 to read as follows:</p> <p>910.3.4 Vent Operations. Smoke and heat vents shall be capable of being operated by approved automatic and manual means. Automatic operation of smoke and heat vents shall conform to the provisions of Sections 910.3.2.1 through 910.3.2.3</p> | Approve |

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| 910.3.4.1 | <p>Amend by adding Section 910.3.4.1 to read as follows:</p> <p>910.3.4.1 Sprinklered Buildings. Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically. The automatic operation mechanism of the smoke and heat vents shall operate at a temperature rating at least 100 degrees F (approximately 38 degrees Celsius) greater than the temperature rating of the sprinklers installed.</p> | Approve |
| 910.3.4.2 | <p>Amend by adding Section 910.3.4.2 to read as follows:</p> <p>910.3.4.2 Nonsprinklered Buildings. Where installed in buildings not equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically by actuation of a heat-responsive device rated between 100 degrees F (56 degrees C) and 220 degrees F (122 degrees C) above ambient.</p> <p>Exception: Listed gravity-operated drop out vents.</p> | Approve |
| 910.4.3.1 | <p>Amend Section 910.4.3.1 by removing the word "manual or" from the paragraph</p> | Approve |
| 910.4.4 | <p>Amend by changing Section 910.4.4 to read as follows:</p> <p>910.4.4 Activation. The mechanical smoke removal system shall be activated automatically by the automatic sprinkler system or by approved fire protection system. Individual manual controls shall also be provided.</p> <p>Exception: Manual only systems per Section 910.2</p> | Approve |

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| 1004.1.1 | Amend by deleting the exception in Section 1004.1.1 in its entirety. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. |
| 1008.1.9.8 | Amend by adding occupancy Groups I-1 and I-2 to the occupancies in the first paragraph. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. <i>included in 2015 IBC</i> |
| 1015.7 | Amend by adding a new Section 1015.7 to read as follows: Electrical rooms. For electrical rooms, special exiting requirements may apply. Reference the Electrical Code as adopted. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. NEC Is adopted |
| 1016.3 | Amend by adding a new Section 1016.3 to read as follows: Roof vent increase. In buildings that are one story in height, equipped throughout with automatic heat and smoke roof vents complying with Section 910 and equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, the maximum exit access travel distance shall be 400 feet for occupancies in Group F-1 or S-1. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. <i>included in 2015 IBC</i> |
| 1018.1 | Amend by adding Exception 5 to Section 1018.1 to read as follows: In Group B office buildings, corridor walls and ceilings need not be of fire-resistive construction within office spaces of a single tenant when the space is equipped with an approved automatic fire alarm system within the corridor. The actuation of any detector shall activate alarms audible in the areas served by the corridor. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. <i>included in 2015 IBC</i> |
| 1018.6 | Amend by deleting the section in its entirety and adding a new Section 1018.6 to read as follows: Corridor continuity. All corridors shall be continuous from the point of entry to an exit and shall not be interrupted by intervening rooms. Exception: Foyers, lobbies or reception rooms constructed as required for corridors shall not be construed as intervening rooms. | <i>Local amendment not needed - adopt code section as written</i> | Remove 2009 amendment. <i>included in 2015 IBC</i> |

Amend by adding Exceptions 8 and 9 to Section 1022.1 to read as follows:

1022.1

8. In other than occupancy Groups H and I, a maximum of 50 percent of egress stairways serving one adjacent floor are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Any two such interconnected floors shall not be open to other floors.

9. In other than occupancy Groups H and I, interior egress stairways serving only the first and second stories of a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Such interconnected stories shall not be open to other stories.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
included in 2015 IBC

Amend by deleting the section in its entirety and adding a new Section 1022.9 to read as follows:

1022.9

Smoke-proof enclosures and pressurized stairways. In buildings required to comply with Sections 403 or 405, each of the exit enclosures serving a story with a floor service not more than 55 feet (16,764 mm) above the lowest level of fire department vehicle access or more than 30 feet (9,144 mm) below the finished floor of a level of exit discharge serving such stories shall be a smoke-proof enclosure or pressurized stairway in accordance with Section 909.20.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Amended in 403.5.4

Amend by deleting the section in its entirety and adding a new Section 1024.1 to read as follows:

General. Approved luminous egress path markings delineating the exit path shall be provided in buildings of Groups A, B, E, I, M and R-1 having occupied floors located more than 55 feet (16,764 mm) above the lowest level of fire department vehicle access in accordance with Sections 1024.1 through 1024.5.

1024.1

Exceptions:

1. Luminous egress path markings shall not be required on the level of exit discharge in lobbies that serve as part of the exit path in accordance with Section 1027.1, Exception 1.

2. Luminous egress path markings shall not be required in areas of open parking garages that serve as part of the exit path in accordance with Section 1027.1, Exception 3.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
included in 2015 IBC

Amend by deleting Exception 4 in the section in its entirety and adding a new Exception 4 in Section 1026.6 to read as follows:

4. Separation from the open-ended corridors of the building is not required for exterior ramps or stairways connected to open-ended corridors, provided that Items 4.1 through 4.4 are met:

4.1. The building, including corridors, ramps and stairs, shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2.

4.2. The open-ended corridors comply with Section 1018.

4.3. The open-ended corridors are connected on each end to an exterior exit ramp or stairway complying with Section 1026.

4.4. At any location in an open-ended corridor where a change of direction exceeding 45 degrees (0.79 rad) occurs, a clear opening of not less than 35-square-feet (3.3 m²) or an exterior ramp or stairway shall be provided. Where clear openings are provided, they shall be located so as to minimize the accumulation of smoke or toxic gases.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
included in 2015 IBC

1026.6

Amend by deleting Footnotes "b" and "c" in the table in their entirety and adding a new Footnote "b" to Table 1505.1 to read as follows:

1505.1 Non-classified roof coverings shall be permitted on buildings of U occupancies having not more than 120-square feet of projected roof area. When exceeding 120-square feet of projected roof area, buildings on U occupancies may use non-rated, non-combustible roof coverings.

Amend by deleting Footnotes "b" and "c" in the table in their entirety and adding a new Footnote "b" to Table 1505.1 to read as follows:

Non-classified roof coverings shall be permitted on one-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 sq. ft. When exceeding 120-square feet of floor area, buildings on U occupancies may use non-rated, non-combustible roof coverings.

Approve
Matches IRC now

Amend by adding a new Section 2308.4.3 to read as follows:

Application to engineered design. When accepted by the Building Official, any portion of this section is permitted to apply to buildings that are otherwise outside the limitations of this section provided that:

2308.4.3

1. The resulting design will comply with the requirements specified in Chapter 16;
2. The load limitations of various elements of this section are not exceeded; and
3. The portions of this section which will apply are identified by an engineer in the construction documents.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Covered in 2015 IBC

Amend by deleting the section in its entirety and adding a new Section 2902.1 to read as follows:

Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number as follows:

1. Assembly occupancies: At least one drinking fountain shall be provided at each floor level in an approved location.

Exception: A drinking fountain need not be provided in a drinking or dining establishment.

2902.1 2. Groups A, B, F, H, I, M and S occupancies: Buildings or portions thereof where persons are employed shall be provided with at least one water closet for each sex except as provided for in Section 2902.2.

3. Group E occupancies: Shall be provided with fixtures as shown in Table 2902.1.

4. Group R occupancies: Shall be provided with fixtures as shown in Table 2902.1.

It is recommended, but not required, that the minimum number of fixtures provided shall comply with the number shown in Table 2902.1. Types of occupancies not shown in Table 2902.1 shall be considered individually by the Building Official. The number of occupants shall be determined by this code. Occupancy classification shall be determined in accordance with Chapter 3 .

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Needs to match Plumbing codes, this did not

2902.2 Amend by deleting Exception 3 in the section in its entirety and adding a new Exception 3 to Section 2902.2 to read as follows:

Separate facilities shall not be required in mercantile occupancies in which the maximum occupant load is 100 or less.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Covered in 2015 IBC

3006

Amend by adding a new Section 3006.1 and renumbering the remaining sections. The new Section 3006.1 is to read as follows:

General. Elevator machine rooms shall be provided.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Some elevators are designed without a machine room