

2009 IRC Section	Current Mesquite - 2009 International Residential Code Amendments	2015 IRC Recommended Amendments	BO Recommendation
This table does not list amendments in the current code that are being retained in the proposed ordinance.			
R104.10.1		Flood Hazard - delete code section in its entirety (flood hazards are covered in Engineering standards)	Approve
R105.2	delete in its entirety	Amend Section 105.2 by removing #'s 1, 2, 3, 5, 7, 10 and re-number the remaining appropriately	Approve <i>Some of the items need to be listed and not deleted</i>
R104.10.1		Flood Hazard - delete code section in its entirety (flood hazards are covered in Engineering standards)	Approve
R105.3.1.1		Flood Hazard - delete code section in its entirety (flood hazards are covered in Engineering standards)	Approve
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</p> <p>This will help keep work moving and have less partially built projects</p>
R106.1.4		Flood Hazard - delete code section in its entirety (flood hazards are covered in Engineering standards)	Approve

	Amend by deleting the section in its entirety and adding a new Section R111.2 to read as follows:		Remove 2009 amendment. 2015 IRC reads the same as amendment does
R111.2	Temporary connection of utilities. The Building Official shall have the authority to authorize and approve the temporary connection of the building system to the utility source of energy, power or water.	<i>Local amendment not needed - adopt code section as written</i>	
R112.2.2	Amend by deleting Section R112.2.2 in its entirety.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. Section does not exist
R202 Glazing Area	Amend by adding the definitions of "Glazing Area" and "Naturally Durable Wood" to Section R202 to read as follows: Glazing area. Total area of the glazed fenestration measured using the rough opening and including sash, curbing or other framing elements that enclose the conditioned space. Glazing area includes the area of glazed fenestration assemblies in walls bounding conditioned basements. For doors where the daylight opening area is less than 50 percent of the door area, the glazing area is the daylight opening area. For all other doors, the glazing area is the rough opening area for the door including the door and the frame.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. Needs to match definition in 2015 IECC
R202 Naturally durable wood	Naturally durable wood. The heartwood of the following species with the exception that an occasional piece with corner sapwood is permitted if 90 percent or more of the width of each side on which it occurs is heartwood. Decay Resistant. Redwood, cedars, black locust and black walnut. Termite resistant. Redwood and Eastern red cedar.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. needlessly limits wood that can be used
R302.1	Open metal carport structures may be constructed when also approved within adopted ordinances.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. Redundant

Amend by deleting the exception in its entirety and adding a new exception to Section R302.2 to read as follows:

R302.2

A common two-hour fire-resistance-rated wall assembly, or one-hour fire-resistance-rated wall assembly when equipped with a sprinkler system is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing. Electrical installations shall be installed in accordance with the National Electrical Code. Penetrations of electrical outlets shall be in accordance with Section R302.4.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
2015 IRC Matches the Local Amendment

Amend by deleting the fifth exception in its entirety and adding a new fifth exception to read as follows:

R302.2.4

Townhouses separated by a common two-hour fire-resistance-rated wall, or one-hour fire resistance rated wall when equipped with an automatic sprinkler system, as provided in Section R303.2.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
Covered in the 2015 IRC

Amend Section R302.5.1 to read as follows:

R302.5.1 not addressed

Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors

Approve

Amend by deleting the exception in the section in its entirety and adding a new exception to Section R303.3 to read as follows:

R303.3

Exception: The glazed areas shall not be required where artificial light and a mechanical ventilation system complying with one of the following are provided: 1. The minimum ventilation rates shall be 50 cfm (24 L/s) for intermittent ventilation or 20 cfm (10 L/s) for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside. 2. Bathrooms that contain only a water closet, lavatory or combination thereof may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
This is included in 2015 IRC

Amend by deleting the section in its entirety and adding a new Section R303.8 to read as follows:

R303.8

Required heating. Every dwelling unit shall be provided with heating facilities capable of maintaining a minimum room temperature of 68° F (20° C) at a point three feet (914 mm) above the floor and two feet (610 mm) from exterior walls in all habitable rooms at the design temperature.

Local amendment not needed - adopt code section as written

Remove 2009 amendment.
This is included in 2015 IRC

Amend by deleting the section in its entirety and adding a new Section R309.1 to read as follows:

R309.1

Floor surfaces. Garage floor surfaces shall be of reinforced concrete material designed to specifications as required by City code.

Amend by deleting the first sentence and adding a new first sentence to Section R309.1 read as follows:

Floor surfaces. Garage floor surfaces shall be of reinforced concrete material designed to specifications as required by City code.

Approve
Local amendment left out needed information

<p>Section R309.2. Amend by deleting the section in its entirety and adding a new Section R309.2 to read as follows:</p> <p>R309.2 Carports. Carport floor surfaces shall be reinforced concrete designed to specifications as required by City ordinance, policy or other approved surfaces as allowed by City ordinance.</p>	<p>Amend by adding a sentence to the end of the first paragraph to Section R309.2 to read as follows:</p> <p>Carport floor surfaces shall be reinforced concrete designed to specifications as required by City ordinance, policy or other approved surfaces as allowed by City ordinance.</p>	<p>Approve <i>Local amendment left out needed information</i></p>
<p>R326.1 Pools and Spas</p>	<p>delete section 326.1 in its entirety and refer to <i>Mesquite pool ordinance</i></p>	<p>Approve</p>
<p>R401.2</p>	<p>Amend by adding a new second paragraph: Every foundation and/or footing, or any size addition to an existing post-tension foundation, regulated by this code shall be designed and sealed by a Texas-registered engineer.</p>	<p>Approve</p>
<p>Amend by adding a new Section R903.2 to read as follows:</p> <p>R902.3 Minimum roof class. All roof coverings shall be a minimum Class C. All individual replacement shingles or shakes shall be a minimum Class C. Exception: 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 of U-occupancies may use non-rated non-combustible coverings.</p>	<p>Code reference is now R902.1 Amend by adding exception # 5 to read as follows:</p> <p>5. 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 of U-occupancies may use non-rated non-combustible coverings.</p>	<p>Approve <i>Matches IBC now</i></p>
<p>R907.1 All individual replacement shingles or shakes shall comply with Section R902.3.</p>	<p><i>Local amendment not needed - adopt code section as written</i></p>	<p>Remove 2009 amendment. Redundant</p>
<p>Chapter 11 Energy Efficiency</p>	<p>NCTCOG recommends deleting entire chapter with reference to Energy Code</p>	<p>Approve <i>Adopt 2015 IECC</i></p>

Amend by deleting the section in its entirety and adding a new Section M1305.1.3 to read as follows:

M1305.1.3

Appliances in attics. Attics containing appliances requiring access shall be provided with an opening and a clear and unobstructed passageway large enough to allow removal of the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 20 feet (6,096 mm) in length when measured along the centerline of the passageway from the opening to the appliance. The passageway shall have continuous unobstructed solid flooring not less than 30 inches (762 mm). A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present along all sides of the appliance where access is required. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger where such dimensions are not large enough to allow removal of the largest appliance. As a minimum, access to the attic space shall be provided by one of the following: 1. A permanent stair. 2. A pull-down stair. 3. An access door from an upper floor level. 4. Access panel may be used in lieu of items 1, 2 and 3 with prior approval of the Code Official due to building conditions. Exceptions: 1. The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening. 2. Where the passageway is unobstructed and not less than six feet (1829 mm) high and 22 inches (559 mm) wide for its entire length, the passageway shall be not more than 50 feet (15,250 mm) long.

Amended by deleting the section in its entirety and adding a new section M1305.1.3 to read as follows:

Appliances in attics. Attics containing appliances requiring access shall be provided with an opening and a clear and unobstructed passageway large enough to allow removal of the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559mm) wide and not more than 20 feet (6,096 mm) in length when measured along the centerline of the passageway from the opening to the appliance. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A level service space at least 30 inches (762 mm) wide shall be present along sides of the appliance where access is requires. The clear access opening dimensions shall be a minimum of 20 inches (508 mm) by 30 inches (762 mm) or larger where such dimensions are not large enough to allow removal of the largest appliance. As a minimum, access to the attic space shall be provided by one of the following: 1. A permanent stair. 2. A pull-down stair with a minimum of a 300-pound (136 kg) capacity. 3. An access door from an upper floor level. 4. An access panel may be used in lieu of items 1, 2 & 3 with prior approval of the Code Official due to building conditions. Exception: The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening.

Approve
*This matches
Mechanical code.*

Section M1305.1.4.1. Amend by deleting the section in its entirety and adding a new Section M1305.1.4.1 to read as follows:

M1305.1.4.1

Ground clearance. Appliances supported from the ground shall be level and firmly supported on a concrete slab or other approved material extending above the adjoining grade, a minimum of three inches (76 mm). Appliances suspended from the floor shall have a clearance of not less than six inches (152 mm) above the ground.

Local amendment not needed - adopt code section as written

Remove 2009
amendment.
*This is included in
2015 IRC*

M1305.1.4.3	Section M1305.1.4.3. Amend by adding a sentence at the end of the paragraph in Section M1305.1.4.3 to read as follows: Low voltage wiring of 50 volts or less shall be installed in a manner to prevent physical damage.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. <i>Already stated in R1305.1.3.1</i>
M1411.3	Section M1411.3. Amend by deleting the first sentence and adding a new first sentence in Section M1411.3 to read as follows: Condensate disposal. Condensate from all cooling coils or evaporators shall be conveyed from the drain pan outlet to a sanitary sewer through a trap, by means of a direct or indirect drain.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. <i>Matches all other ICC codes now</i>
M1411.3.1	Section M1411.3.1. Amend by adding a new last sentence to items 3 and 4 in Section M1411.3.1 to read as follows: 3. A water level detection device may be installed only with prior approval of the Building Official. 4. A water level detection device may be installed only with prior approval of the Building Official.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. <i>Code is within regional practices</i>
M1411.3.1.1	Amend by adding a last sentence in Section M1411.3.1.1 to read as follows: Water level monitoring devices. A water level monitoring device may be installed only with prior approval of the Building Official.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. <i>Code is within regional practices</i>
M1502.4.4.1	Amend by deleting the first sentence in the section in its entirety and adding a new first sentence in Section M1502.4.4.1 to read as follows: Specified length. The maximum length of the exhaust duct shall be 35 feet (10668 mm) from the connection to the transition duct from the appliance to the outlet terminal.	<i>Local amendment not needed - adopt code section as written</i>	Remove 2009 amendment. <i>This is included in 2015 IRC</i>

M2005.2	Amend by deleting the section in its entirety and adding a new Section 2005.2 to read as follows: Prohibited locations. Fuel-fired water heaters shall not be installed in a room used as a storage closet, bedroom, bathroom or within any attic space or cavity.	Prohibited locations. Fuel-fired water heaters shall not be installed in a room used as a storage closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that combustion air will not be taken from the living space. Access to such enclosure may be from the bedroom or bathroom when through a solid door, weather-stripped in accordance with the exterior door air leakage requirements of the International Energy Conservation Code and equipped with an approved self-closing device. <u>All Combustion air shall be taken from the outdoors in accordance with Section 304.6 of The International Fuel Gas Code.</u>	Approve <i>Meets the requirements of the IECC</i>
G2412.5		Amend by adding a Second Paragraph to Section G2412.5 to read as follows: Both ends of each section of medium pressure gas piping shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag: "Warning 1/2 to 5 psi gas pressure DO NOT REMOVE"	Approve Matches othe ICC Codes
G2415.9.1	amend by deleting Section G2415.9.1 in its entirety	<i>Local amendment not needed - adopt code section as written</i>	Approve
G2417.4.2	Amend by deleting the section in its entirety and adding a new Section G2417.4.2 to read as follows: Test duration. Test duration shall be held for a length of time as established by departmental policy but in no case for less than 15 minutes. For welded piping and for piping carrying gas at pressures in excess of 14-inches water column pressure (3.48 kPa), the test duration shall be held for a length of time as established by departmental policy but in no case for less than 30 minutes.	Amend by deleting the section in its entirety and adding a new Section G2417.4.2 to read as follows: Test Duration. Test duration shall be held for a length of time satisfactory to the Building Official but in no case less than 15 minutes. For welded piping and piping carrying gas at pressures in excess of 14 inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Building Official, but in no case less than 30 minutes.	Approve <i>Matches other ICC codes</i>
G2422.1.2.3		delete Exception 1 and Exception 4.	Approve

<p>Amend by deleting the section in its entirety and adding a new Section G2445.2 to read as follows:</p> <p>G2445.2 Prohibited use. One or more unvented room heaters shall not be used as the sole source of comfort heating in a dwelling unit. Exception: Existing approved unvented heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, unless the Building Official determines an unsafe condition exists as described in the International Fuel Gas Code, Section 108.7.</p>	<p>Remove 2009 amendment. This is included in 2015 IRC</p>
<p>Amend by deleting the section in its entirety and adding a new Section G2448.1.1 to read as follows:</p> <p>G2448.1.1 Installation requirements. The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with this code.</p>	<p>Amend by deleting the section in its entirety and adding a new Section G2448.1.1 to read as follows:</p> <p>Installation requirements. The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with The International Plumbing Code.</p> <p>Approve Matches IFGC</p>
<p>Amend by adding a second paragraph at the end of the first item in Section P2503.5.1 to read as follows: Shower receptors shall be tested for water tightness by filling with water to the level of the rough threshold. The drain shall be plugged in a manner so that both sides of pans shall be subjected to the test at the point where it is clamped to the drain.</p> <p>P2503.5.1</p>	<p>Local amendment not needed - adopt code section as written</p> <p>Remove 2009 amendment. Addressed in G2503.6</p>
<p>P2503.6 amend by deleting Section G2503.6 in its entirety</p>	<p>Local amendment not needed - adopt code section as written</p> <p>Approve</p>
<p>Amend by deleting the section in its entirety and adding a new Section P2503.7.1 to read as follows:</p> <p>P2503.7.1 Testing. Reduced pressure principle backflow preventers, double- check valve assemblies, double-detector check assemblies and pressure vacuum breaker assemblies shall be tested at the time of installation, immediately after repairs or relocation and at regular intervals as required by applicable state or local provisions.</p>	<p>Local amendment not needed - adopt code section as written</p> <p>Remove 2009 amendment. Addressed in P2503.8</p>

Amend by deleting the section in its entirety and adding a new Section P2717.3 to read as follows:

P2717.3 Sink, dishwasher and food grinder. The combined discharge from a sink, dishwasher and waste grinder is permitted to discharge through a single 1.5-inch (38 mm) trap. The discharge pipe from the dishwasher shall be increased to a minimum of 0.75-inch (19.1 mm) in diameter and shall connect with a wye fitting between the discharge of the food-waste grinder and the trap inlet or to the head of the food grinder. The waste line of a domestic dish washing machine discharging into a kitchen sink tailpiece or food waste grinder shall connect to a deck mounted air break.

Local amendment not needed - adopt code section as written

Remove 2009 amendment. Covered in the 2015 IRC and matches IPC

P2801.6.1

Amend to read: Pan size and drain. The pan shall be not less than 11/2 inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 3/4 inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4. Multiple pan drains may terminate to a single discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions.

Approve

Tables
2905.4, P2905.5 and P2905.6 Amend by deleting all references to the following materials in Tables P2905.4, P2905.5 and P2905.6: Polybutylene (PB) plastic pipe and tubing

Table references have changed to P2906.4, P2906.5, P2906.6 but deletion not needed in new code - Local amendment not needed - adopt code section as written

Approve