



**MECHANICAL & GAS  
CODE AMENDMENTS  
TO THE**

**2015  
INTERNATIONAL  
RESIDENTIAL  
CODE**

**2015 INTERNATIONAL RESIDENTIAL MECHANICAL & GAS CODE  
AMENDMENTS**

**ADD THE FOLLOWING TO SECTION M1305.1.3**

**M1305.1.3 APPLIANCE IN THE ATTIC**

Appliance access shall be accessible by a pull down stairway, permanent ladder or permanent stairway/no shuttle holes.

**ADD THE FOLLOWING:**

**M1402.4 ROOMS CONTAINING FLAMMABLE, COMBUSTIBLE, OR NOXIOUS GAS**

A separate and individual ventilation system which is not part of any other system shall be provided for ventilation of each room or space containing flammable vapors, noxious gases and flammable ducts or where serving incompatible materials.

**ADD THE FOLLOWING:**

**M1411.3.1 #5**

#5. Condensate drain lines from coil may be  $\frac{3}{4}$  inch minimum with a maximum horizontal drain run of two (2') feet. Any drain exceeding two (2') feet shall be 1.25 inches. No tubing allowed. Contractor shall use approved DWV fittings.

**ADD THE FOLLOWING:**

**M1411.3.2.1**

Install PVC 90 degree elbow at  $\frac{3}{4}$  drain pan line horizontal termination to outside.

**EXHAUST SYSTEMS**

Exhaust systems shall be exhausted to the outside per the code.

**ADD THE FOLLOWING:**

**M1502.3.1 DRYER VENT TERMINATION**

At termination of dryer exhaust, secure grill/louvers with screws.

**ADD THE FOLLOWING:**

**M1502.4.2(A) UNDER SLAB EXHAUST**

Under slab exhaust ducts shall be smooth wall schedule 40 pvc and terminate 12” above grade with damper and be non-screened.

**ADD THE FOLLOWING:**

**M1503.1(A) EXHAUST HOOD**

Exhaust hood shall be installed for all ranges/clearance per manufacturer’s instructions.

**AMEND THE FOLLOWING:**

**M1602.2.1 RETURN AIR REQUIREMENTS**

All occupied rooms shall have a return sized accordingly for that space except for kitchen and bathroom. Undercut of doors do not count as a return.

**AMEND THE FOLLOWING:**

**M1602.2.2 RETURN AIR PLENUM SEAL**

Seal all returns with 100% silicone rubber caulk/HVAC caulk.

**ADD THE FOLLOWING:**

**M1602.2.3 RETURNS & COOKING EQUIPMENT**

No return shall be within ten (10’) feet of cooking equipment.

**RESIDENTIAL GAS CODE AMENDMENTS**

**ADD THE FOLLOWING:**

**G2413.1.1 GAS PIPING**

When the gas pressure is 0.5 pounds per square inch or less, all consumer gas pipe from the point of delivery of the first branch in the house piping shall not be less than one (1”) inch in diameter. The minimum size of pipe outlets shall be ½”.

**ADD THE FOLLOWING:**

**G2415.4.1**

No threaded connectors may be used on piping in solid floors.

**DELETE SECTION G2417.4.1 ENTIRELY AND SUBSTITUTE THE FOLLOWING:**

**G2417.4.1 METHOD OF TESTING**

Low pressure (not in excess of 2 psi gauge) gas piping shall withstand a pressure of 30 psig for a period of not less than 10 minutes without showing any drop in pressure. All high pressure gas piping must have a minimum of 100 psig test. Higher pressure (medical gas) must stand at least 1.5 times normal working pressure for a period of 24 hours without showing any drop in pressure.

**DELETE SECTION G2422.1.2.1 ENTIRELY AND SUBSTITUTE THE FOLLOWING:**

**G2422.1.2.1**

Connectors shall have an overall length not to exceed 18 inches except for range and domestic clothes dryer connectors, which shall not exceed three (3') feet in length. Connectors shall not be concealed within, or extended through walls, floors, partitions, ceilings or appliance housing. A shutoff valve not less than the nominal size of the connector shall be installed ahead of the connector in accordance with section G2420.5. Connectors shall be sized to provide the total demand of the connected appliance.

**ADD THE FOLLOWING:**

**G2432.1.1 DECORATIVE APPLIANCES**

All fireplace log and starters shall be installed according to their listings and have a readily accessible manual shutoff valve within reach of and extraneous to the fireplace. A manual main shutoff valve shall be installed ahead of all controls including the pilot gas valve.

**ADD THE FOLLOWING:**

**G2432.1.2 APPLIANCE CONNECTORS**

Flexible connectors used outdoors shall be listed for outdoor use. Flexible connectors used in fireplaces and fire boxes shall be approved for such use or be stainless steel.

**ADD THE FOLLOWING:**

**G2433.1.1 GAS LOG STARTER SUPPORT**

Log starters shall have support installed on end of starter.

**ADD THE FOLLOWING:**

**G2448.1.2 PROHIBITED WATER INSTALLATION**

Water heaters, with the exception of those having direct vent systems, shall not be installed in bathrooms and bedrooms or in a closet with access only through a bedroom or bathroom. However, water heaters of the automatic storage type may be installed as a replacement in a bathroom, when specifically authorized by the gas official providing they are properly vented and are supplied with adequate combustion air.

**EXCEPTION:** When a closet having a weather stripped solid door, with an approved door closing device has been designed exclusively for the water heater, and where all air for combustion and ventilation is supplied from outdoors.

**ADD THE FOLLOWING:**

**G2450.1.1 ILLUMINATING APPLIANCES**

All illuminating gas appliances must have an accessible manual shut off valve within reach of and extraneous to the appliance.

**ADD THE FOLLOWING APPENDICES:**

**Appendix A**-Sizing & Capacities of Gas Piping

**Appendix B**-Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliance, and Appliances Listed for Use with Type B Vents

**Appendix C**-Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems

**Appendix D**-Recommended Procedure for Safety Inspection of an Existing Appliance Installation

**Appendix E**-Manufactured Housing Used as Dwellings

**ADD TO APPENDIX E AS FOLLOWS:**

**AE 307.1.1 TRAILER PARK PIPING**

Where information is not available on the location of the trailer supply connection, the gas riser to each trailer site should be placed in the rear one third section of the site and not less than 18' from the roadside wall of the trailer. It shall be located and protected or supported so as to minimize the likelihood of damage by moving vehicles. When the gas pressure at the terminal of the gas riser at each trailer site is .5 psig or less, the minimum size of the gas piping shall be one (1") inch for other than undiluted liquefied petroleum gases.

**ADD THE FOLLOWING SECTION:**

**AE 307.1.2 CONNECTION OF TRAILER**

Piping shall not be installed underground beneath manufactured homes or house trailers. Trailers shall be connected to the gas piping system with rigid pipe or listed connections of adequate size and installed so as to be protected against physical damage.

**ADD THE FOLLOWING SECTION:**

**AE 307.1.3 LOCATION OF SHUT OFF VALVES**

Outlets for individual manufactured homes or trailers shall be provided with a readily accessible manual shut off valve located outdoors at the trailer. Trailers shall be connected to the gas piping system with rigid pipe or listed connections for adequate size and installed so as to be protected against physical damage.