

SUMMARY OF FUEL GAS CODE CHANGES

2004

The base document for the *Florida Building Code, Fuel Gas*, has been updated to the 2003 *International Fuel Gas Code*.

301.7 Fuel types.

- ✓ Allows serving gas supplier to convert gas equipment to a different gas.

304.1 General.

- ✓ Requirements for air for combustion, ventilation and dilution of flue gases for gas utilization equipment installed in buildings (refer to sections 304.5 – 304.9 or 304.6 – 304.9)
- ✓ Direct-vent appliances, gas appliances of other than natural draft design, etc. shall be in accordance with equipment manufacturer's instructions

304 Combustion, ventilation and dilution air.

- ✓ **Indoor combustion air:** Use 304.5.1 or 304.5.2 unless ACH is less than 0.40; then use 304.5.2 to determine required volume of indoor air. Use 304.5.3.1 and 304.5.3.2 to size and locate openings used to connect indoor spaces. **Outdoor** combustion air shall be provided through opening(s) to the outdoors in accordance with Section 304.6.1 or 304.6.2. The minimum dimension of air openings shall be not less than 3 inches (76 mm).
- ✓ **Combination indoor and outdoor combustion air.**
 - Use 304.7.1 through 304.7.3 when using a combination of indoor and outdoor combustion air.
- ✓ **Mechanical combustion air supply.**
 - Where all combustion air is provided by a mechanical air supply system, the combustion air shall be supplied at a rate not less than 0.35 cu ft/min per 1000 Btu/h of total input rating of all appliances in the space.

304.10 Louvers and grilles.

- ✓ Added screens; assume wood louvers will have 25% free area and metal louvers and grilles will have 75% free area; screens shall have a mesh size no smaller than ¼ inch; means have to be provided to prevent main burner from igniting if the louvers fail to open during burner start-up and to shut down the main burner if the louvers close during operation.

402.2 Maximum gas demand

- ✓ Where an input rating is not indicated, the gas supplier, equipment manufacturer or a qualified agency are contacted...or the rating from Table 402.2 shall be used for estimating the volume of gas to be supplied.

404.7 Above-ground outdoor piping.

- ✓ All outdoor piping shall be elevated not less than 3-1/2 inches above ground and, where installed across roof surfaces, shall be elevated not less than 3-1/2 inches above the roof surface.

409 Shutoff Valves

- ✓ Shutoff valves for vented decorative appliances and decorative appliances can be placed in remote areas
- ✓ Equipment shutoff valves located in the firebox of a fireplace shall be installed in accordance with the appliance manufacturer's instructions.

411.1.4 Outdoor appliance connectors.

- ✓ This section provides installation requirements for installing outdoor gas appliances and is consistent with the National Fuel Gas Code.
- ✓ Note that lengths shall not exceed 12 feet (3658 mm) and the connection shall only be made in the outdoor area where the equipment is to be used.

FUEL GAS PROVISIONS OF THE NEW FLORIDA BUILDING CODE, RESIDENTIAL

Most provisions correlate to the *Florida Building Code, Fuel Gas*, although they don't carry the same degree of detail as does the *FBC-FG*.