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2006 International Fuel Gas Code®

The City and County of Broomfield Building Division has adopted the 2006 *International Fuel Gas Code®*, effective February 28, 2008. **This handout will summarize the major changes in the 2006 IFGC compared to the previously adopted 2003 IFGC.**

1. Section 101.2 scope has changed to include gaseous hydrogen systems.
2. Section 202, has clarified that the point of delivery for undiluted liquefied petroleum gas systems shall be considered to be the outlet of the first regulator that reduces pressure to 2 psig or less.
3. Section 202, under vent piping: explains **Breather** piping from pressure regulating device and **Relief** piping for safe venting of pressure regulating device in the event of excessive pressure in piping system.
4. Section 301 .3 now requires that appliances regulated by this code shall be listed and labeled **for the application in which they are used.**
5. Section 301.7.1 is now more specific that appliances shall not be converted to utilize a different fuel gas except where complete instructions are provided by the installation instructions, the serving gas supplier, or the appliance manufacturer.
6. Section 303.3 has been rewritten, outlining the prohibited locations with Items 1 through 5 listing exceptions.
7. Section 304.11 now requires combustion air ducts to be constructed of galvanized steel complying with Chapter 6 of the 2006 IMC **or of materials having equivalent corrosion resistance, strength and rigidity.**
8. Section 305.3.1 has added a section addressing elevation of ignition sources in parking garages. Connection of a parking garage with any room in which there is a fuel-fired appliance shall be by means of a vestibule providing a two-doorway separation, except that a single door is permitted where the sources of ignition are elevated in accordance with Section 305.3. It also provides an exception for appliance installations complying with Section 305.4.
9. Section 306.5.1 has added language addressing design of platforms and guards for equipment on sloped roofs to be consistent with Section 306.6. (Also in IMC).
10. Section 306.6 is changed by deleting the word 'fan' and by adding roof hatch openings to locations that require guards. (Also in IMC).
11. Section 307.1 adds a scoping requirement that evaporators and cooling coils shall be provided with condensate drainage systems in accordance with the IMC.
12. Section 307.5 adds a requirement for auxiliary drain pans or condensate drain stoppage sensors for category IV condensing appliances.

13. Table 402.2 - has been corrected per errata.
14. Section 403.6.3 added to clarify that plastic regulator vent piping shall be UL 651 PVC only and that PVC vent piping shall not be installed indoors.
15. Section 404.1 has added language regarding multi-family buildings: piping installed downstream of the point of delivery **shall not extend through any townhouse unit other than the unit served by such piping.**
16. Section 409.1.1 reworded to reference new Table 409.1.1 indicating manual gas valve standards for various pressures.
17. Section 410.3.1 has been added to cover the installation of vent piping from pressure regulating devices.
18. Section 411 has been revised and expanded to include manufactured homes.
19. Section 411.1 adds corrugated stainless steel tubing installed per the manufacturer's instructions as an appliance connector as well as listed and labeled outdoor appliance connectors.
20. Section 413 - compressed natural gas motor vehicle, fuel-dispensing facilities - this section has been expanded to include residential fueling appliances.
21. Section 416.1 - over pressure protection devices - this is a new section.
22. Section 502.7 has been added to require protection against physical damage for vents. Shield plates are required on appliance vents in concealed locations when located within 1-¹/₂" of the face of a stud, joist, rafter or similar member.
23. Section 503.3.6 is a new section regulating venting systems that pass through an above-ceiling air-handling spaces
24. Section 503.6.10 now clarifies that multi floor common venting of appliances shall be designed in accordance with approved engineering methods. It also adds language stating that crawl spaces, basements and attics are considered as floor levels for purpose of this section.
25. Section 504.3.9.1 - tee and wye fittings, when connected to a common vent shall be constructed of materials consistent with the common vent.
26. Section 505.1.1 now specifically prohibits a gas pipe bypass where a solenoid valve is installed in the gas piping as part of a commercial cooking appliance and exhaust hood interlock system. An exception is allowed for systems using heat sensors or other approved means to automatically activate the exhaust hood system when cooking occurs.
27. Chapter 7 - hydrogen gas - majority of this chapter has been rewritten. See additions particularly in Section 704, Piping, Use and Handling.