

ITEMS FOR FGCNYS TECHNICAL SUBCOMMITTEE REVIEW
2006 FUEL GAS CODE TECHNICAL SUBCOMMITTEE REVIEW
DIVISION OF CODE ENFORCEMENT AND ADMINISTRATION - DEPARTMENT OF STATE
4/16/07

ITEM NO. (✓ - done)	FGCNYS SECTION	2006 IPC SECTION	TITLE	SUMMARY
	CHAPTER 1		GENERAL	
	CHAPTER 2		DEFINITIONS	
FG-2-01	202	202	approved	or other authority having jurisdiction
FG-2-02	202	202	connector	change: connector, chimney or vent add: connector, appliance (fuel)
FG-2-03	202	202	point of delivery	update
FG-2-04		202	regulator, medium-pressure	new
FG-2-05		202	Vent piping	new: breather & relief
	CHAPTER 3		GENERAL REGULATIONS	
FG-3-01	301.3	301.3	Listed & labeled	add: for the application in which they are used
FG-3-02	301.7	301.7	Types of fuels	replace: appliances shall be designed for the use with the type of fuel gas that will be supplied to them
FG-3-03	303.3	303.3	Prohibited locations	rewrite: locations in the sentence; (exceptions) 1. Direct-vent installed in accordance with the conditions of the listing and the manufacturer's installation instructions. 2. Add vented fireplaces, vented gas fireplace heaters 3 & 4 reworded to not be exceptions 5.appliances installed in a room or space that opens only to a bedroom or bathroom ... all combustion air directly from the outside (304.6)
FG-3-04	303.4	303.4	Protection from vehicle impact damage	changed from physical damage & not installed in a location ... except where protected by a approved means delete reference to IFC
FG-3-05	305.3	305.3 305.1	Elevation of ignition source	exc: as listed as flammable vapor ignition resistant (NYS MOD in 2006 code) new: Parking garages Exc: 305.4
FG-3-06		306.5.1	Sloped roof	add platform size
FG-3-07		307.1	Evaporators and cooling coils	new: Condensate drainage systems shall be provided for equipment and appliances containing evaporators and cooling coils in accord. IMC

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FG-3-08		307.5	Auxiliary drain pan	new: Category Iv condensing appliances shall be provided with an auxiliary drain pan where damage to any building component will occur ... IMC 307 exc: automatic shutdown when stoppage of condensate drainage system
FG-3-09		308.3 &.3.1-3.5	clearance for indoor air-conditioning appliances	new: compliance with 308.3.1 thru .5 chg: text added
FG-3-10	310	310	electrical bonding	add: equipment grounding conductor of the circuit supplying the appliance
	CHAPTER 4		GAS PIPING INSTALLATIONS	
FG-4-01	402	402.	Allowable pressure drop	add: shall be that the supply pressure at the appliance is greater than the minimum pressure required for proper appliance operation
		403.5.4	CSST	new: ANSI LC I/CSA 6.26
		403.6.3	Regulator vent piping	PVC only & UL 651
FG-4-02	404.1	404.1	Prohibited locations for gas piping	add: piping installed downstream of the point of delivery shall not extend through any townhouse unit other than the unit served by such piping
FG-4-02	404.5	404.5	Protection against physical damage	cutting, notching and boring change: less than (±) 1.5 inches from the edge also see 704.1.2.3.5
FG-4-03	404.6	404.6	Conduit for piping solid floors	conduit (casing) Add: The conduit shall be vented above grade to the outdoors and shall be installed to prevent the entry of water and insects.
		409.11 TBL 409.1.1	Valve approval Manual gas valve standards	new: ref.stds
FG-4-04	410.3 New	410.3 410.3.1	venting of regulators	reword vent piping shall not be smaller than the vent connection on the pressure regulating device. Vent piping servicing relief vents and combination relief and breather vents shall be run independently to the outdoor and shall serve only a single device vent. Vent piping serving only breather vents is permitted ... Also def: vent piping
FG-4-05	411.1	411.1	Appliance fuel gas connections	exc: 411.1.1 items 1,3,5,6,7 unchanged; item 2 CSST; item 4 add ANSI Z21.24; item 8 new ... ANSI Z21.75/CSA 6.27 and mfg. instr.
FG-4-06	411.1.1 New	411.1.1-3 & 411.2	Commercial cooking appliances	new text, connector install, max. length, min. size, prohibited locations, shutoff valve manufactured home connections
FG-4-07	new	413.2.3	Residential compressed natural gas motor vehicle fuel dispensing system	residential fueling appliances listed. Capacity not exceed 5 standard cubic feet per minute of natural gas

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FG-4-08	new	413.4, .1-.3	Residential fueling appliance installation	plus: gas connection; outdoor installation; indoor installation
FG-4-09	new	416	Overpressure protection devices	for high pressure gas systems All new sections consistent with ANSI A223.1
	CHAPTER 5		CHIMNEYS & VENTS	
FG-5-01		502.7	Protection against physical damage	new: 1.5 inch and plates
FG-5-02	503.6.4	503.6.4	Gas vent termination	replaced: 12 inches or less & over 12 inches
FG-5-03		503.6.6 503.6.7	Roof termination forced air inlets	new
FG-5-04		503.6.9.2	Vent offsets	new
FG-5-05		503.6.10	Gas vent service appliances on more than one floor	add: crawl space ...
FG-5-06		503.10.14	Passage through ceilings, floors or walls	reworded 503. 7.4 & 503.10.14
FG-5-07		504.2.3	Vent offsets	add: for each additional elbow up to 45 degrees, the maximum capacity listed in the venting tables shall be reduced by 5%
FG-5-08		504.2.9	Chimney & vent locations	add: A Type B vent shall not be considered to be exposed to the outdoors where it passes through an unvented enclosure or chase insulated to a value of not less than R-8.
FG-5-09	505.11	505.11	Commercial cooking appliances vented by exhaust hoods	add: Where a solenoid valve is installed in the gas piping as part of an interlock system, gas piping shall not be installed to bypass such valve. Exc: an interlock
	CHAPTER 6		SPECIFIC APPLIANCES	
FG-6-01		621.7.1	Ventless firebox enclosures	Ventless firebox enclosures used with unvented decorative room heaters shall be listed as complying with ANSI Z21.91
	CHAPTER 7		GASEOUS HYDROGEN SYSTEMS	
FG-7-01	703.1	703.1	Hydrogen-generating and refueling operations	delete second sentence also changed natural ventilation, two openings and mechanical ventilation

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FG-7-02	704.1.2.3	704.1.2.3	Hydrogen piping system design	changes to piping design & construction; prohibited locations, interior piping and underground piping deleted piping in solid partitions, piping in concealed locations; piping in solid floors
FG-7-03	705	705	testing, inspection and purging of hydrogen systems	changed text. Added: inspection and purging to section title and added 705.3, pressure test; 705.4, detection of leaks changes ; added: purging of hydrogen ga systems; added: purging

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5/7/07

ITEM NO. (✓ - done)	RCNYS SECTION	2006 IPC SECTION	TITLE	SUMMARY
	PART 6		FUEL GAS	
	CHAPTER 24		FUEL GAS	
RC-24-01	G2403	G2403	approved	add: or other authority having jurisdiction
RC-24-02	G2403	G2403	connector	add: connector, appliance (fuel) Chg: connector, chimney or vent
RC-24-03	G2403	G2403	point of delivery	update definition (move to chapter 2)
RC-24-04		G2403	regulator, medium-pressure	new
RC-24-05	G2403	G2403	vent piping	new def. For breather and relief
RC-24-06	G2404	G2404.3	Listed and labeled	add: for the application in which they are used"
RC-24-04	G2404	G2404.10	Auxiliary drain pan	NEW: Add: for category IV and automatic shutoff exception
RC-24-05	G2405.3	G2405.3	engineered wood products	New: cutting, notching and boring of engineered wood products
RC-24-06	G2406.2	G2406.2	Prohibited locations	new: 5 items
RC-24-07	G2407.11	G2407.11	Combustion air ducts	add: or material having equivalent corrosion resistance, strength and rigidity (to galvanized steel)
RC-24-08		G3411	electrical bonding	add: equipment grounding conductor of the circuit supplying the appliance
RC-24-09	G2413.2	G2413.2	Maximum gas demand	add: manufacturers input ratings of the appliance served
RC-24-10	G2413.5	G2413.5	Allowable pressure drop	add: shall be that the supply pressure at the appliance is greater than the minimum pressure required for proper appliance operation
RC-24-11		G2414.5.3	Corrugated stainless steel tubing	new: ANSI LC I/CSA 6.26
RC-24-12		G2414.6.3	Regulator vent piping	PVC only & UL 651

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RC-24-12	G2415.1	G2415.1	piping system installation prohibited location	add: piping installed downstream of the point of delivery shall not extend through any townhouse unit other than the unit served by such piping
RC-24-13	G2415.5	G2415.5	Protection against physical damage	change 1 inch to 1.5 inches
RC-24-14	G2415.6	G2415.6	Piping in solid floors	add: the conduit shall be vented above grade to the outdoors and shall be installed to prevent the entry of water and insects
RC-24-15	G2417.3.4	G2417.3.4	Valve isolation	operating pressure greater than the test pressure: isolated from the piping ... by equipment shutoff valve
RC-24-16	G2417.6.4	G2417.6.4	Placing appliances in operation	add: after piping has been checked for leakage
RC-24-17	G2420.1.1	G2420.1.1	Valve approval	add: and shall comply with the standards in accordance with Table G2420.1
RC-24-18		Tbl G2420.1	Manual Gas Valve Standards	add table with referenced standards
RC-24-19	G2421.1	G2421.1	Pressure regulators	add: gas line pressure regulators shall be listed and complying with ANSI Z21.80
RC-24-20	G2421.3	G2421.3	Venting regulators	add: The vent shall be designed to prevent the entry of insects, water and foreign objects
RC-24-21		G2421.3.1	Vent piping	new: pressure reg; breathers; manifold or not
RC-24-22	G2422.1	G2422.1	Connecting appliances	add: CSST; listed and labeled connectors ANSI Z21.24, listed and labeled outdoor connectors ANSI Z21.75/CSA 6.27
RC-24-23		G2422.1.2	Connector installation	New? Incl. Max. Length, min.size, prohibited location, & shutoff valve
RC-24-24		G2426.7	Protection from physical damage	new: 1.5 inch and plates
RC-24-25	Tbl 2427.4	Tbl 2427.4	Type of venting system to be used	add: single-wall; listed chimney lining system; and more (all include ref.code sections)
RC-24-26	G2427.5.5.3	G2427.5.5.3	Unsafe chimneys	add: NFPA 211
RC-24-27	G2427.6.4	G2427.6.4	Gas vent termination	replaced: 12 inches or less & over 12 inches
RC-24-28		G2427.6.6	Roof termination	
RC-24-29		G2427.6.7	forced air inlets	
RC-24-30		G2427.6.9.2	Vent offsets	new
RC-24-31			passage through ceilings, floors or walls	new: compliance with G2427.7.4 & G2427.10.15

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RC-24-32	G2428.2.3	G2428.2.3	Vent offsets	add: for each additional elbow up to 45 degrees, the maximum capacity listed in the venting tables shall be reduced by 5%
RC-24-33	G2428.3.15	G2428.3.15	Liner system sizing and connections	add: where double-wall connectors are required, ...
RC-24-34	G2428.3.16	G2428.3.16	Chimney & vent location	add: A Type B vent shall not be considered to be exposed to the outdoors where it passes through an unvented enclosure or chase insulated to a value of not less than R-8.
RC-24-35		G2428.3.19	Draft hood conversion accessories	Draft hood conversion accessories for use with masonry chimneys venting listed Category I fan-assisted appliances ... mfg. install. instr.
RC-24-36		G2445.7.1	Ventless firebox enclosures	Ventless firebox enclosures used with unvented decorative room heaters shall be listed as complying with ANSI Z21.91