





## 2012 Codes

This checklist is intended for use to prepare for an inspection. This is only a general list and does not represent the full body of the 2012 International Residential Code (R = Residential, M = Mechanical, G = Gas) or the 2009 International Fuel Gas Code as referenced and modified by the 2012 IRC. IRC references are in parentheses () and IFGC references are in brackets [].

## Please verify the following before calling for a gas pipe inspection

Permi	ts and Plans
	Job address is posted in a visible location. (R319.1)
	Permit and approved plans are on site and accessible to the inspector. (R106.3.1)  Permit information is correct (address, permit number, scope of work, etc.). (R106.1)  Manufacturer's installation information is available if needed. (R1061.2)
	Confirm that all new gas appliances are included on the permit. (R106.1)
Gener	ral
	Permit information is correct (address, permit number, scope of work, etc.). (R106.1) Main shutoff is accessible and ahead of the meter. (G2420.2),
	Pipe is supported per Table G2424.1. (G2418.1&2)
	Gas piping is sized per methods in Section G2413.3
	Pipe must be new or previously used for gas piping only. (G2414.2),
	Bends in plastic are per manufacturer's instructions. (G2416.3),
	Radius of bends in PE pipe are not less than 25 pipe diameters. (G2416.3),
	Gas pipe does not run through air ducts, chimneys, vents, plenums, clothes chutes, dumbwaiters, elevator shafts or through adjoining townhouse party walls. (G2415.3),
	Under floor or outdoor piping is a minimum 3 ½ inches above ground or roof. (G2415.9),
	CSST (Corrugated Stainless Steel Tubing) piping requires electrical bonding per IFGC 310.1.1 and shielding devices per manufacturer which extend 4 inches beyond the CSST. (G2414.5.3),
	Piping other than steel pipe requires nail plate protection if less than 1 and $\frac{1}{2}$ inches from stud face.(G2415.7)
	Ferrous metal piping exposed in external locations is protected from corrosion in a manner satisfactory to the code official. (G2415.10),
Mater	ials and Installation
	Steel (galvanized) or black pipe is okay. (G2414.4.2),
	Ends of pipe are deburred. (G2414.7),
	Cast-iron pipe not used for gas. (G2414.4.1),
	Corrugated stainless steel tubing (CSST) is okay when installed per manufacturer's



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		instructions. (G2414.5.3),		
		Except for black steel pipe, exposed piping is identified by a yellow label marked "Gas" in		
		black letters. (G2412.5),		
		LP gas must have piping/tubing dielectric fittings separating aboveground/underground connections. (G2415.11)		
Joi	ints	s in Pipe or Tubing		
		Ferrous pipe is threaded or welded. (G2414.10.1).		
		Connections for copper tubing can be done by brazing (alloys with less than 0.05% phosphorous) or by approved gas tubing fittings complying with ANSI LC-4. (G2414.10.2).		
		Flared joints okay in nonferrous pipe & tubing only. (G2414.10.3).		
		PE or PB plastic piping are heat fused or mechanically connected per the manufacturer's instructions. Heat fused fittings are marked "ASTM D2513". (G2414.11),		
		No unions or bushings at concealed locations. (G2415.5)		
		Right/left couplings are okay only in accessible locations. (G2415.5).		
Inc	ne	ctions & Tests		
	•	Test gauge has a high reading not more than 5 times the test pressure. (G2417.4),		
		LP Gas tested at least 1 ½ times operating pressure but not less than 3 psi for 10 minutes minimum. (G2417.4.2)		
		Test with air, nitrogen, carbon dioxide or an inert gas. (Oxygen not allowed) (G2417.2)		
		Turn off or cap all outlets before first turning on gas. (G2417.6.2)		
		Detect leaks with an approved type detector or soap suds. (G2417.5.1)		
		Defective piping shall be replaced and not repaired. (G2414.7)		
	_	Testing is required only for new pipe added to an existing system. (G2417.1.3)		
		Equipment that is not to be included in the test is to be disconnected or isolated by blanks, blind flanges or caps. (G2417.3.2)		
Underground				
		Ferrous pipe must be protected from corrosion. (G2415.9)		
		Pipe protective wrapping must be factory (machine) applied. (G2415.11.2) Exception: Field wrapping okay at joints. (G2415.11.2, Exception)		
		Above grade metallic gas piping requires bonding. (G2411.1)		
		Gas piping not used as a grounding electrode. Ferrous underground pipe connected to		
	П	ferrous above ground requires a dielectric fitting. (G2410.1) Minimum burial depth is 12 inches. (G2415.12)		
		Individual gas lines to lights, BBQ's, etc. may have 8 inches of cover if not susceptible to		
	_	damage and approved by authority having jurisdiction (AHJ). (G2415.12.1)		
		18 AWG yellow insulated copper tracer wire run with PE or PB piping. (G2415.17.3		
		PE or PB require ferrous riser before going vertical. (G2415.17.1) Exception: May terminate outside above ground in accordance with manufacturer's instructions or above		



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ground in a sleeved wall head adapter. (G2415.17.1, Exceptions)

Gas p	iping Under Building or Slab		
	Gas piping is not to be buried under or in a slab within the building. Exception: It is allowed below grade under a building if sleeved in schedule 40 steel, iron, or plastic pipe conduit extending at least 4 inches to outside of building. (G2415.14)		
	The interior end of the conduit enclosing the gas pipe is sealed. (G2415.14.1)		
	The exterior end of the conduit is a minimum 4 inches outside of the building, vented above grade and installed so as to prevent the entrance of water and insects. (G2415.14.1)		
	Conduit is protected from corrosion if not plastic. (G2415.14)		
	Gas piping shall not penetrate foundation walls at any point below grade, (G2415.6)		
Shutoff Valves			
	All shutoff valves are accessible. (G2420.1.3)		
	Outdoor shutoff is required for all buildings. (G2420.3)		
	All meters have a shutoff on the supply side. (G2420.2)		
	Accessible shutoff required within 6 feet of an appliance and in the same room. (G2420.5 Shutoff valves installed inside firebox of fireplace are installed per manufacturer's instructions. (G2420.5.1)		
	nnce Fuel Connectors		
	Connector is not concealed within or passes through walls, floors, partitions, ceilings or appliance housings. (G2422.1.2.3)		
	Maximum length per manufacturer's instructions, and may not exceed 6 feet. (G2422.1.2.1)		
	Connectors are sized for the total demand of the appliance. (G2422.1.2.2)		
	Connectors for external use are listed, labeled and installed in accordance with the manufacturer's installation instructions. (2422.1)		
	Pipe dope not allowed at flex connector flared connections. (Per ANSI/manufacturer's regulations).		