



FIRE PREVENTION REGULATIONS GAS-FIRED APPLIANCE CHECKLIST

CITY OF LACONIA FIRE PREVENTION DIVISION
848 NORTH MAIN STREET, LACONIA, NH 03246
Call (603) 524-6881 for appointments and information

**FIRE PREVENTION
Mechanical**

300-4-C
January 2017

P F (P) - Pass - (F) - Fail/Violation

PIPING SYSTEMS

		Piping material must be one of the following: Cast Iron Shall Not Be Used
		Plastic
		Seamless Copper Tubing
		Corrugated Stainless Steel Tubing (CSST)
		Black Iron
		Exposed gas supply piping must be secured as follows:
		Iron Pipe - 1/2 inch (every 6 feet) - 3/4 inch - 1 inch (every 8 feet) - C
		Tubing - 1/2 inch (every 4 feet) - 1/2 inch - 3/4 inch (every 6 feet) - C
		All piping that passes through masonry, concrete or stone foundation, above or below ground, or any basement wall below grade shall be SLEEVED and SEALED to protect the piping and entry of water, debris or gas.
		CSST tubing shall be bonded to the building electrical panel or grounding point by a #6 gauge wire per the manufacturers installation instructions. The bonding strap shall be affixed to the CSST per the manufacturer's instructions.
		Plastic pipe may be used UNDERGROUND ONLY . Plastic pipe must be terminated underground and metallic pipe extended above ground. CSST may be installed through walls and floors and shall be installed to the manufacturer's installation instructions and the Fuel Gas Code. CSST may be used for connection to appliances OTHER THAN boilers, furnaces, water heaters, provided it is sleeved through partitions and is less than 2 feet in length.
		Gas shut off requirements;
		Located at the meter on the supply side.
		On the supply side of every outlet, appliance or flexible pipe section.
		It is accessible
		Is within 6 feet walking distance of the appliance being served and o
		Sediment drip traps shall be installed at all appliances, except for ranges, dryers, grills, lighting appliances and decorative fire places and shall be a minimum of 3 inches in length. The cap must be capable of being removed.
		Buried gas lines shall be a minimum of 12 inches below grade and imbedded, 6 inches top and bottom in screened sand.
		Sand for backfilling shall be on site during the inspection and in sufficient quantity to protect the piping.
		Where unable to attain 12 inches in depth, the piping shall be encased in a protective conduit.
		Where pipe passes under driveways, roads, paths or areas of high travel, the pipe shall be installed 18 inches below grade and embedded in sand or conduit as listed above.
		Buried plastic pipe shall have a copper trace wire or metallic tape installed above the piping for future identification.

APPLIANCE

		Burner and equipment must be UL/AGA/CGA approved (see installation manual or unit nameplate).
		Pipe venting shall be listed. If a masonry chimney is used it shall be lined. Clearance from vent piping to combustibles shall be provided (see manufacturer's installation manual for minimum clearances).
		Vent piping into masonry chimneys shall be cemented in. Individual sections of vent pipe must be assembled and sealed.
		Sidewall vents shall be a minimum of 12 inches above final grade and shall slope upward unless otherwise noted.
		Appliances shall not be installed so their combustion, ventilation and dilution air are obtained only from a bedroom or bathroom unless listed for that use and the bedroom or bathroom has the required volume.
		The electric supply shall be from a separate circuit, marked and properly grounded. <u>Non-motorized</u> equipment may be connected to an existing general-purpose circuit if allowed in the manufacturer's installation instructions.
		Gas-fired appliances in closets shall require make-up air in accordance with the Fuel Gas Code. A minimum of 1 sq. inch of ventilation (upper and lower) for each 1000 total BTU output. Make-up air openings shall be within 12 inches of the floor and ceiling with a minimum 10 inch x 10 inch (100 sq. in.).
		Furnaces and water heaters in residential garages shall be a minimum of 18 inches above the floor. In commercial garages 8 feet above the floor.
		Check the clearance to combustible materials requirements for all appliances.

