



FIRE PREVENTION REGULATIONS GAS PIPING IN A CHIMNEY

CITY OF LACONIA FIRE PREVENTION DIVISION
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FIRE
PREVENTION
Mechanical

300-2

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Gas Piping in a Chimney is allowed in Laconia with the following requirements:

1. A liner must be installed and connected to the appliance following the listed installation instructions.
2. The chimney must be converted to a chase.
3. All cleanouts, thimbles, penetrations in the chimney must be sealed and noncombustible.
4. Gas piping must be installed according to NFPA 54 and be listed for use with the appliance
5. Gas piping must penetrate the chimney/chase and be properly sealed
6. The top of the chimney/chase must be ventilated according to NFPA 54-7.4.3

Definition: A chase is a vertical passage for ducts, pipes, or wires in a building. It is only ventilated at the top to the outdoors. The chase construction must comply with local building codes with respect to the type of construction and may or may not have openings. Because a chase is ventilated at the top, any vented or leaked gas will dissipate to the outdoors, not into the building.

References:

NFPA 54.7.4.2 - Chase construction shall comply with local building codes with respect to fire resistance and protection of horizontal and vertical openings.

NFPA 54.7.4.3 - A chase shall be ventilated to the outdoors and only at the top. The opening(s) shall have a minimum free area [in square inches (square meters)] equal to the product of one-half of the maximum pressure in the piping [in pounds per square inch (kilopascals)] times the largest nominal diameter of that piping [in inches (millimeters)], or the cross-sectional area of the chase, whichever is smaller. Where more than one fuel gas piping system is present, the free area for each system shall be calculated and the largest area used.