

Inspection: [REDACTED] Address: [REDACTED]

Chimney System/Fireplace(s)/Stove(s)

Chimney System

Chimney System Type:

Brick with clay-tile liner.



Chimney Condition:

The chimney above the roof line has mortar joints that are darkened from water running down them and moss or fungal growth in them. There are a few bricks spalled off at the top. The reason water is running down the face of the bricks is the concrete crown is inadequate. Inadequate & cracked concrete crown. A proper concrete crown is supposed to be a minimum 2" thick and overhang the edge of the brick by 1" to prevent water from running down the side of the chimney.

The center clay-tile liner has deteriorated mortar joints. I wasn't tall enough to properly look down the right flue for the basement fireplace, but from the fireplace looking up, the smoke shelf and clay-tile liner had creosote buildup.

The basement floors has settled and slopes towards the chimney indicating that the chimney system has possibly settled a little. I don't think the movement is much.

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Chimney Recommendation:

Recommend having a Chimney Safety Institute of America (CSIA) Certified Chimney Sweep conduct a Level 2 inspection of the entire chimney system and repair as deemed necessary.

The National Fire Protection Association, in their Standard 211 (NFPA 211), recommends an annual evaluation of all chimneys, fireplaces, and vents and defines 3 levels of inspections.

Level 1 inspection is recommended when your appliance or venting system has not changed and you continue to use your system as you have in the past. A Level 1 inspection is recommended for a chimney under continued service, under the same conditions, and with the continued use of the same appliance.

Level 2 inspection is required when any changes are made to the system. Changes can include a change in the fuel type, changes to the shape of, or material in, the fuel, or the replacement or addition of an appliance of a dissimilar type, input rating or efficiency. Additionally, a Level 2 inspection is required upon the sale or transfer of a property or after an operation malfunction or external event that is likely to have caused damage to the chimney. Structure fires, chimney fires, seismic events, and weather events are all

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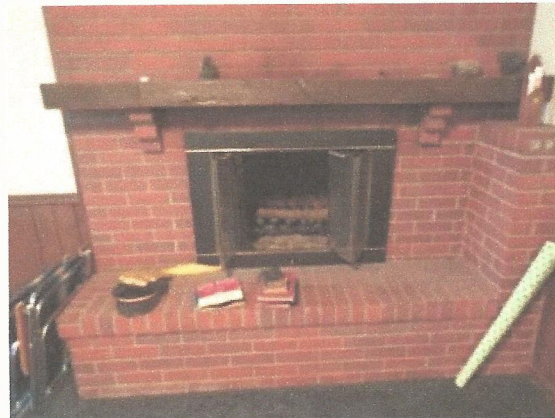
warranted events for an inspection. A Level 2 inspection will include a visual inspection by video scanning or other means in order to examine the internal surfaces and joints of all flue liners incorporated within the chimney.

Level 3 inspection should be performed when a Level 1 or Level 2 inspection suggests a hidden hazard and the evaluation can not be performed without special tools to access concealed areas of the chimney or flue. Removal or destruction of portions of the chimney or building structure will be required for the completion of a Level 3 inspection.

Basement Fireplace

Fuel Type:

Wood.



Fireplace Type:

Wood Burning.

Fireplace Condition:

There is creosote buildup in the smoke shelf. The damper is inoperable. The back of the firebox has some loose bricks leaning inward. The wood mantel extends out too far into the room on this wood burning fireplace. This is a fire hazard and needs to be corrected.



Fireplace Recommendation:

See recommendation above.

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Living Room Fireplace

Fuel Type:

Wood.



Fireplace Type:

Wood Burning.

Fireplace Condition:

The damper is inoperable. This firebox and smoke shelf looked like this one hasn't been used to much.



Fireplace Recommendation:

See recommendation above.