
Comments:

Masonry chimney with two flues; one for the Lopi Endeavor free standing wood stove and one unused which originates in the basement.

Exterior-

1. There is no expansion joint around the top flue tiles. An expansion joint is to allow the chimney flue to expand and contract without causing damage to the masonry material on top of the chimney. As a result, cracks have formed in the masonry. This will cause the chimney to deteriorate until repaired.

Lopi Endeavor-

2. The stainless steel liner is bent and damaged near the top of the chimney. The liner is also bent where two pieces of liner have been connected. While using a coupler to join multiple sections of liner is allowed, having damage to the liner in these areas can allow heat, smoke and soot to escape the liner.

3. Evidence suggests that the stainless steel liner is not properly insulated. There was pour type chimney insulation found at the base of the chimney liner. When insulating with pour type chimney insulation, a minimum 1" thickness is required around the entire liner. This would not be possible to achieve if the pre existing clay flue liner was not removed. Insulation is required for stainless steel liners connected to wood burning appliances for performance and safety.

Recommend to not use the chimney in its current condition as multiple observations are considered operational safety hazards.

- Recommended repairs for the wood stove include:
- Obtain any required permits for installation
 - Scaffolding setup and chimney access
 - Removal and disposal of the existing stainless steel lining system
 - Removal and disposal of clay chimney flue liner
 - Installation of a fully insulated stainless steel lining system

Estimated costs for wood stove repairs start at \$5,500 plus permits

- Recommended repairs to the exterior include:
- Scaffolding setup and chimney access
 - Fill in large crack on top of chimney
 - Apply flexible crown sealant to top of chimney
 - Installation of chimney cap with large lid that overhangs entire chimney

Estimated costs for exterior repairs start at \$3,000.

C.S.I.A. Certified Sweep
F.I.R.E. Certified Fireplace & Chimney Inspector
N.F.I. Wood Burning Specialist

Description	Qty	Unit Price	Amount
Masonry Chimney	1	349.00	349.00
Freestanding Wood Stove	1	100.00	100.00
		Subtotal	449.00
		Sales Tax	26.94
		Total	\$475.94

Customer understands that Technician cannot access certain enclosed and concealed areas of the system. Technician makes no representation, written or implied, and will not be responsible for deficiencies within these areas. This report is a result of the conditions at the time of service and maybe limited due to accessibility or weather. I, Customer, have read and understand the contents of this service report. I understand the apparent condition of my fireplace/heating appliance/venting system. Recommendations have been explained and I understand them thoroughly.

Balance: 0.00

Method: VISA

Customer Signature



Exterior



Crack in mortar



Lopi Endeavor



Damaged liner near top of chimney



Damaged liner at coupler



Damaged liner at coupler

