

PROPOSAL

"The ones to trust when safety is a must"

Highest Rated & Reviewed Chimney service in Vermont!
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Follow up: Date July 16, 2020
Time _____

Description: Chimney repair and oil liner

Item Description	Qty.	Amount
Roof & chimney access - set up and take down	1.0000	\$250.00
Demolition of chimney to the roofline includes site removal and dump fees	1.0000	\$570.00
Labor and materials to rebuild chimney (126 brick) Includes Mason & Tender Labor, Bricks, Mortar, & Flues	1.0000	\$1,759.50
Concrete Crown/Wash Designed to shed water away from the flue liner and chimney. An improper crown may allow water to permeate into the chimney causing damage to the house and chimney structure.	1.0000	\$699.00
5.5" X 35" 316 Light Wall Tee Kit - Stainless Steel Chimney Liner - Lifetime Warranty - Installed by Brickliners CSIA Certified Chimney Technicians.	1.0000	\$2,499.00
Allowance for the need to Knock Out Flues - The process of removing the existing flue tiles to make room for a new chimney liner. If unforeseen issues arise getting the liner down the clay flue tiles will have to be knocked out if this is required then estimate will increase by \$1149.00.	1.0000	\$0.00
TOTAL PROPOSAL COST \$		<u>\$5,777.50</u>

Monthly Payment Plan

Yes

No

OR Low Monthly Payment \$ 113.82 per month (60 mos)

50% Deposit Collected

yes

no

<p align="center">Customer Verification</p> <p>Signature _____</p> <p>I understand that if I default on payment and it can't be resolved, I will also be charged service charges that will be greater to or equal to any attorney fees, collection agency fees, and or any costs associated with collecting any incurred debt.</p> <p align="center">*Financing options require approved credit*</p>	<p align="center">Technician's Signature</p> <p>Signature_ <u>M.R.</u></p> <p align="center">This proposal is valid for 30 days from the date shown above.</p>
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Schedule _____ File _____ OTSP _____ OTSC _____ #G 2 /#D 1.5 Keep _____ Permit _____ Scaffold _____ Lift _____ H&T _____



Michael Casey
385 Maple Street, Stowe, Vermont

Inspection date
July 09, 2020

Reason for inspection
Transfer of property

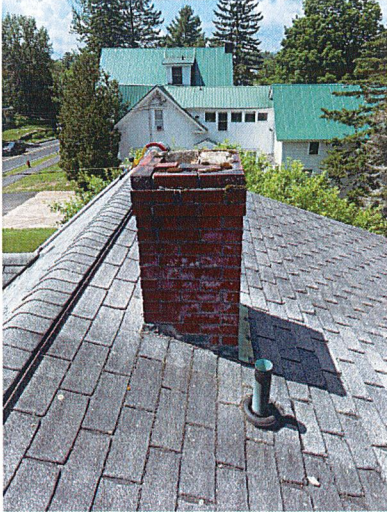
Level of inspection
Level II

Prepared by
Mike Remington - CSIA #9922
Brickliners Corp

BRICKLINERS
www.brickliners.com
CUSTOM MASONRY & CHIMNEY SERVICES

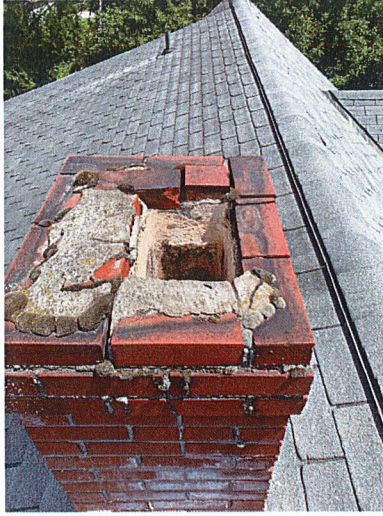
Masonry Chimney

- **Description and photos:**



- **Roof Type:** Asphalt
- **Expansion joint between flue and wash:** Not applicable
- **Trees/vegetation or other objects that could present a hazard:** No
- **Seismic reinforcement and anchorage:** Not applicable
- **Cricket: presence / condition:** Not applicable
- **Basement / Crawl space:** Not applicable
- **Material:** Brick
- **Chimney height 3-2-10 rule:** Yes

- **Mortar Condition:** Does not meet industry standards



There is significant deterioration, or missing mortar between the bricks. This can not only allow water intrusion into the chimney and cause potential leaks inside the home, but it also allows water into the chimney which can damage the chimney structure. The chimney is potentially unstable

- **Crown / Wash cap:** Does not meet industry standards



The crown / wash cap of the chimney is not constructed in a way that properly protects the chimney. The crown should be constructed with concrete. It must have an expansion joint around the flue tile. It should overhang the main structure to allow a drip edge to protect the chimney. A properly made crown will help protect the chimney from water intrusion and damage.

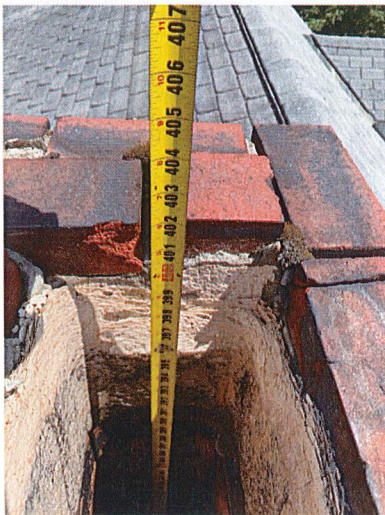
- **Flashing:** Needs attention

The flashing is pulling away from the chimney. It is no longer able to prevent water intrusion

- **Crown Width: 25**



- **Approximate height above ground: 33.5**



- **Attic space:** Does not meet industry standards

Ceiling joists in the attic are with 2" of the chimney on leeward sloping side.

- **Moisture resistance:** Potential hazard

Water is being absorbed into the chimney exterior walls. Water in the masonry can cause deterioration over a period of time. Water leaching through the masonry walls can lead to water intrusion into the chimney or even into the home. Water that is in masonry can freeze in cold weather and cause damage to the structure.

- **Chimney location:** Interior

- **Approximate Roof Pitch: 9/12**
- **Crown Length: 21.125**



- **Approximate height above roof: 37**



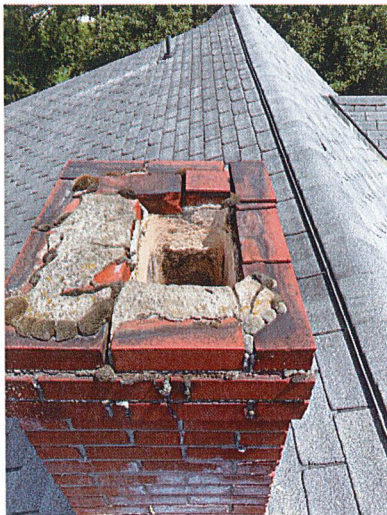
• **Brick / Stone / Chimney walls condition: Deteriorated**



The bricks are cracked and / or deteriorated and should be replaced

Flue

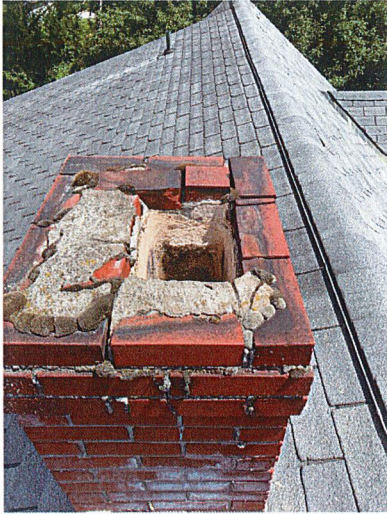
• **Description and photos:**



8x12 Clay Flue

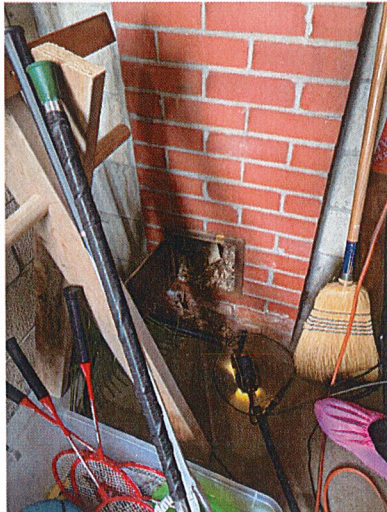
• **Internal flue opening length: 10**

- **Height of liner above crown:** Does not meet industry standards



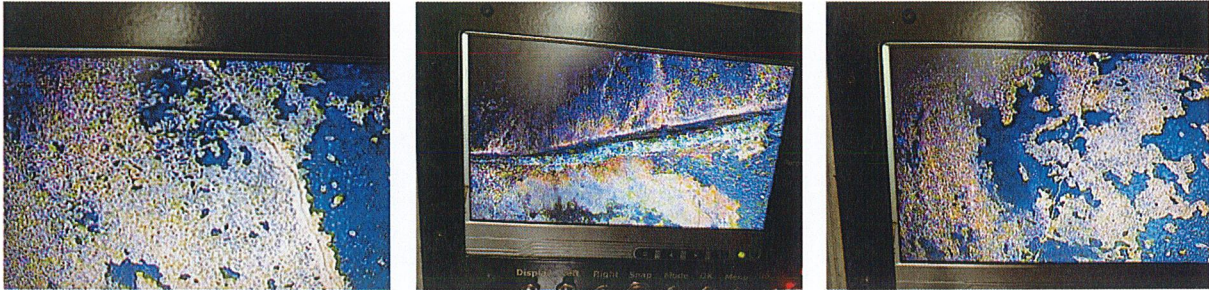
Due to deterioration the flue is no longer extending the required 2" above the crown.

- **Flue clean out presence and condition:** Meets industry standards



- **Installation and condition of offsets in flue if present:** Not applicable
- **Chimney cap / spark guard / Top damper:** Needs attention
The chimney cap is rusty and should be replaced. A rusty chimney cap will allow rust stains to stain or damage the lower structure
- **This flue was inspected:** Internal camera inspection system
- **Chimney liner / re-lining system support:** Meets industry standards

- **Flue shape (used to determine flue size ratio to fireplace opening):** Rectangular
- **Verification that the flue is not blocked or significantly restricted or obstructed:** Meets industry standards
- **Indications the flue is not drafting properly:** No
- **Chimney liner presence, condition regarding readily visible defects, holes, cracks, missing mortar joints, spalling, mortar protrusions, and proper alignment:** Does not meet industry standards



There are tiles that have vertical cracks. Vertical cracks are an indication that there has been a sudden rapid heating of the tile. This rapid heating causes thermal shock to the tile. Thermal shock causes the inside of the tile to heat more rapidly than the exterior of the tile. Heat causes the inside of the tile to expand more rapidly than the exterior of the tile. When this occurs the tile will crack vertically. This flue tile can no longer perform its intended function. The chimney must be relined. 2016 NFPA 211 14.9

- **Lining material:** Clay tile
- **Approximate flue length to appliance :** 33.5
- **Internal flue opening width:** 6.75
- **Level of cleanliness of venting system:** Meets industry standards
- **Unused flue openings:** Meets industry standards
- **Thimble installation:** Meets industry standards
- **Appropriateness of the chimney liner type for the appliance:** Meets industry standards

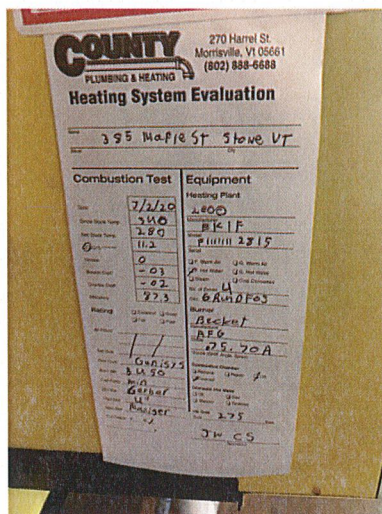
Freestanding

- Description and photos:



System 2000 Boiler

- General condition of appliance: Meets industry standards
- Fuel: Oil
- Appliance: Boiler
- Burner capacity G.P.H.: .75



- Nozzle size: 70a

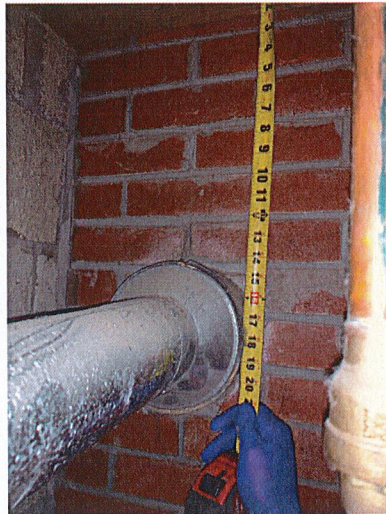
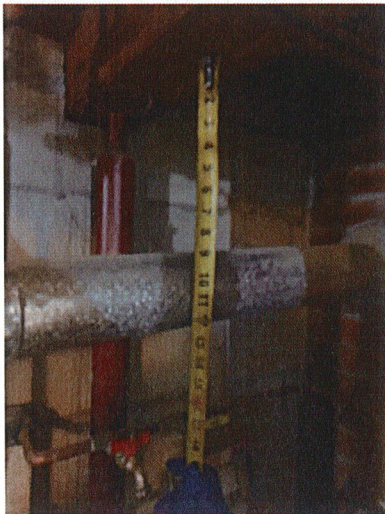
- **Barometric damper:** Not applicable
- **Does this appliance have a U.L listing label attached?:** Yes
- **Does the appliance meet the clearances listed on this label?:** Yes

Connector pipe

- **Description and photos:**

Galvanized Connector

- **Connector pipe type, material, size, suitability for the appliance condition:** Meets industry standards
- **Slope and proper clearance to combustibles:** Needs attention



Vent does not meet the proper clearance to combustibles. IRC 2006 TABLE M1803.3.4. Along the 4' run of the connector pipe, the slope of a 1/4" per foot is maintained however the 18" of clearance to the floor joists and ceiling is not met.

- **Thimble proper construction and clearance to combustibles:** Meets industry standards
- **Length of pipe to the thimble or manifold (specify which):** 60
- **Connector pipe type:** Single wall
- **Chimney and Connector pipe diameter is proper for appliance(s) connected:** Meets industry standards
- **Chimney or Connector pipe and its connector for general suitability for appliance:** Meets industry standards
- **Number of 90 degrees elbows in this section of the connector pipe:** 1

- **Number of 45 degrees elbows in this section of the connector pipe: 0**
- **Connector pipe security, support and stability:** Meets industry standards