



Job #3097931

Masonry Thimble Chimney Serving Appliance

Customer Name

Location Address

Location of the appliance in the home

-

Appliance Information

1A

What type of appliance is installed?

Stove

1B

What type of fuel is being used?

Wood

1C

What type of Material is surrounding the appliance?

Brick

1D

What is the Appliance Manufacturer?

Dovre

1E

What is the model number of the appliance?

-



1F

What is the serial number of the appliance?

-

1G

What is the BTU input of the appliance?

Na

1H

What is the flue outlet size of the appliance?

6

1I

Does the appliance work properly?

Yes

1J

Any visible damage to the face of the appliance?

No

1K

Any damage to the baffle?

No

1L

Any damage to the flue collar?

No

1M

Damper if present operates freely?

Yes

1N

Catalyst checked for condition?

N/A

Connector Pipe & Appliance Clearances

2A

Is the connector pipe secured properly?

No

"The thimble pipe should extend into the chimney"

2B

Is the connector pipe sloped properly?

Yes

2C

Connector pipe is made of correct material, gauge and is in good condition?

Yes

2D

Connector pipe meets clearances?

Yes

2E

Connector pipe properly sized for the appliance?

Yes

2F

Inner diameter of connector pipe

6

2G

Does the connector pipe have a barometric damper and does it operate properly?

N/A

2H

Is there a draft hood in place and is it allowing dilution air to enter?

N/A

2I

Does the draft hood allow dilution air to enter?

N/A

2J

Are the appliance clearances meet in accordance with the Manufacturer's label?

Yes

2K

Are the appliance clearances in accordance with NFPA or IRC Guide Lines?

Yes

2L

Is the floor protection for the appliance in accordance Manufacturer's instructions?

Yes

Thimble, Wall Pass-Through & Wall Croc

3A

Is the thimble masonry or manufactured?

Masonry

3B

Is the thimble installed properly?

Yes

3C

Is the thimble far enough away from any combustible material to meet the manufacture's recommended clearances?

Yes

3D

Does the thimble have any defects?

Soot Build Up

Creosote

3E

Does the thimble make a good connection to the flue?

Yes

Flue Lining

4A

Does the flue lining appear to obstructed?

No

4B

Does the flue lining have any defects?





"Upon arrival noticed in top portion of flue tiles that heavy 3rd degree glaze creosote had obviously caught fire and expanded all curled up and puffy balls of expanded creosote. After a full camera inspection of the flue tiles after cleaning found that indeed there was a sudden occurrence of a chimney fire in the flue tiles towards the upper 1/3. 4 of the flue tiles has cracked vertically top to bottom. Evidence of air being sucked into the cracks causing it to burn even hotter. Due to the damage the flue tile will need to be replaced with a stainless steel liner system"

4C

What is the condition of the mortar joints?



"Several of the mortar joints have crumbled from expansion of the flue tiles due to the chimney fire"

4E

What is the condition of the offsets?



4D

Level of buildup in the flue lining?

- Heavy
- Heavily Glazed

Viewed from the Roof



5A

Is there evidence of a Wythe or divider between flue tiles?

Yes
"Before and after cleaning, note how clean it is at the top where it burned off extremely hot"

5B

Are there any visible structural deterioration defects of the exterior chimney?

Cracked Material

"The top crown has cracked from tile expansion"

5C

What is the condition of the chimney cap?

Black Steel

"The customer removes the cap in the winter and puts back on in the spring. "

5D

Trees over hanging the chimney?

No

5E

Does the flashing appear in good condition, does it have any deterioration?

5F

Is the chimney properly counter flashed?

Yes

5G

Does the crown or wash appear free from defects?





5H

Is there an expansion joint between the liner and crown/wash?

"The crown has split in different areas from expansion of the flue tiles. It will need to be replaced"

No

5I

Does the crown meet Brick Institute of America standards by having an overhanging edge?

No

5J

Does the exterior of the chimney have discoloration or efflorescence?



5K

Is the chimney 3' higher than the roofline?

Yes

5L

Is the chimney at least 2' higher than anything within 10' radius?

Yes

5M

Is the chimney 30" wide or more and parallel to the roof line.

Yes, and this is a potential water problem, this chimney should have a small diverter roof to shed water and debris away from the chimney. See 2015 IRC section R1003.20



"Unfortunately it is too close to the peak for a cricket"

Viewed from the Ground

6A

Is there a cleanout door and does it seal securely?

Yes

6B

Any combustibles near the clean out door?

No

6C

Is there any noticeable deterioration at the base of the chimney?

No

6D

What is the condition of the shoulders?

N/A

6E

Are there any visual signs that the chimney has settled? (Pulling away from the house)

No

6F

Are mortar joints, missing, loose or eroded?

No

6G

Are the mortar joints water resistant, such as concave or "V" joints? Flushed or raked joints almost always cause leaking or water permanence problems.

Yes

6H

Are the mortar joints too wide, which may be causing leakage?

No

6I

Are the mortar joints well filled? Vertical head joints should receive special attention as they are often improperly filled during the original construction.

Yes

6J

Are there vines or excessive plant growth on the masonry? This can be a sign of excessive moisture in the system. Plants such as ivy can weaken the mortar joints.

No

6K

Are there any gutters directed toward the chimney?

No

6L

Is there any uncapped masonry units on the chimney? (Exposed brick cores on shoulders)

No

6M

Any evidence of efflorescence, darkening, vegetative growth, or water collection on the chimney?



6N

Is there excessive darkening or visible moisture present in the masonry for several days after a rainfall?

N/A

60

Are there any drainage issues or water collection at the base of the chimney?

N/A

Attic Access (Interior Chimneys Only)

7A

Can the attic be accessed without harm to the technician or the homeowners property?

N/A

7B

Does the fireplace structure have at least a 2" clearance to combustibles?

N/A

7C

Does the chimney have any other deficiencies?

N/A

7D

Any evidence of efflorescence or water damage?

N/A

Technician Notes or Summary:

Due to the damage of a sudden occurrence of a chimney fire this wood stove and chimney should not be used until repairs are made.

Signature

Signature:

The above list gives an indication of some items included in a inspection to the extent that they are readily accessible and visible. It should not be considered all inclusive. The evaluation does not include areas that were obstructed or inaccessible at the time of evaluation. It does not imply that the system was built to code or there are proper clearances to combustibles. This is not a certification of fire worthiness or safety. Any recommendations by the technician should be completed before the appliance is used. I have read this form and now understand which areas of my wood burning system appear to be satisfactory and which areas are not satisfactory.