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## CHIMNEY INSPECTION

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JUNE 1, 2022

**Inspection  
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The service recommendations in this report should be completed by licensed, qualified, competent specialists. These specialists may identify additional defects or recommend upgrades that could affect your valuation of the property.

This report is the exclusive property of Inspection Services and the Client whose name appears within. The Client refers to the Home Inspection company and their Client. Use of the report by any unauthorized persons is prohibited.

## Observation Key



**Maintenance & Information** - Components that require routine maintenance or service as part of homeownership. This section may also include observations that do not necessarily require service but were worth noting in the report.



**Attention Recommended** - Service, maintenance, repair, or replacement is recommended. Recommendations for added safety and further inspection by qualified professionals are also included in this section.



**Critical/Important** - Unsafe or non-functional components that should be serviced as soon as possible.

***Items or systems not specifically noted in this report were considered acceptable or functioning at the time of inspection.***

# 1: GENERAL INFORMATION

## Information

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**General: Style Of Building**

Single Family

**General: Weather**

Clear

**General: Temperature**

70° - 75°

**General: Present At Inspection**

None

**General: Fireplace Description**

Wood Burning Masonry Fireplace

**General: Primary Inspector**

Scott Mahley

Please reach out to the primary inspector if you have any questions regarding your inspection.

- Scott Mahley: 913-206-1783 or [scott@inspectionsservicesmn.com](mailto:scott@inspectionsservicesmn.com)

- Jeff Cornia: 651-271-1812 or [jeff@inspectionsservicesmn.com](mailto:jeff@inspectionsservicesmn.com)

**General: Analysis And Recommendations**

This Level II Chimney Inspection was conducted in accordance with the 2019 edition of NFPA 211, the Standard for Chimneys, Fireplaces, Vents, and Solid-Fuel-Burning Appliances. NFPA 211 is not a "code" document, but rather a safety standard.

We recommend that you carefully review this report. The service recommendations that we make in this report should be completed by licensed contractors who are also CSIA Certified Chimney Sweeps.

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**General: Limitation Disclaimer**

This is a visual inspection only. Visual observations by the inspector or an internal camera system may be limited or obstructed by the angle of perspective. There may be one or more areas of the chimney and fireplace system that are not available for inspection. These areas include but are not limited to: attic space, hearth support, hearth extension, basement, crawl space, areas concealed between floors and walls, and areas that the Inspector may not have been given access to at the time of the inspection. Roof construction or weather conditions may limit or prohibit roof access. The Customer understands that the Inspector cannot obtain access to certain portions of the fireplace and certain enclosed adjacent areas. The Inspector makes no representations expressed or implied and will not be responsible for deficiencies, improper installation, or improper equipment in inaccessible areas.

The Inspector cannot control what happens to the chimney and fireplace system after the inspection. Owners and/or tenants may move or construct things that change the clearance to combustibles. Weather, use, misuse, lack of use, vegetation, age, and alterations are some factors that can change the condition of the system. The Inspector will not be held responsible for any of these changes that may affect the suitability for use of the chimney and fireplace system.

**General: Purpose And Scope**

**Suitable for intended use:** The purpose of the inspection is to determine reasonable suitability of use for the chimney and fireplace system as the structure was intended. A fireplace is an ornamental structure that is designed for short term use and not as a source of heat. Use of a chimney and fireplace system in a way that is not intended could present a hazard.

**Measurements:** One or more of the measurements in this report are approximations. These approximations are used to aid the estimator to write a proposal for work. These approximations are also valuable to help determine proper equipment needed to insure the safety of the chimney professionals doing any proposed work. Inaccuracies with these approximations does not invalidate the findings in this report.

**Deficiencies:** When chimney repair is found to be necessary due to hazardous or unsafe conditions, there is no exemption for any portion of the chimney and fireplace system. There is no state or national code that exempts any portion of the system which represents a potential hazard. The findings listed within this report are based on the condition of the chimney and fireplace system at the time of the inspection and may be limited due to access or type of inspection requested.

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## General: Comment Key And Definitions

**Attention Recommended** = The areas, while perhaps functioning as intended, are in need of moderate repair and/or service; are showing signs of wear or deterioration that could result in an adverse condition at some point in the future; or considerations should be made in upgrading the areas to enhance the proper function. Items falling into this category can frequently be addressed by a qualified contractor and are not considered routine maintenance or DIY items.

**Critical/Important** = The areas noted pose a major concern to the chimney system. The areas noted are not functioning as intended or need further evaluation by a qualified contractor or can cause problems to the chimney system. Areas that can be repaired to satisfactory condition may not need replacement.

## 2: CHIMNEY EXTERIOR

### Observations

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#### 2.1.1 Chimney Walls

##### **ACCEPTABLE**

The chimney walls were in acceptable condition.



#### 2.1.2 Chimney Walls

##### **CHIMNEY LOCATED IN ROOF VALLEY**



The chimney was located in a roof valley. This is not an ideal location due to water being directed at chimney walls on a constant basis. The flashing, which directs water away from the chimney, was correctly installed. This area is prone to debris build up which could hold moisture against the chimney and possibly cause leaks. Make sure this area is cleaned of debris on a regular basis.



#### 2.3.1 Chimney Flashing

##### **ACCEPTABLE**

The chimney flashing was in acceptable condition.



#### 2.5.1 Weather Caps

##### **ACCEPTABLE**

The weather cap was in acceptable condition.



## 3: CHIMNEY FLUES

### Information

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**Basement : Height**

310 - 340 inches

**Basement : Flue Size**

8 x 12

### Observations

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## 3.1.1 Basement

 Critical/Important**FLUE JOINTS - DETERIORATED**

There was missing mortar in the joints of the clay flue liner. Without mortar in these joints, hot gases could enter between the clay sections and lead to a chimney fire. Have the chimney repaired by a CSIA Certified Chimney Sweep before using the fireplace.

This is a violation of the 2019 NFPA, Chapter 14.9: "If the flue liner in a chimney has softened, cracked, or otherwise deteriorated so that it no longer has the continued ability to contain the products of combustion (i.e., heat, moisture, creosote, and flue gases), the liner shall be either removed and replaced, repaired, or relined with a listed liner system or other approved material that will resist corrosion, softening, or cracking from flue gases at temperatures appropriate to the class of chimney service."



## 3.2.1 Living Room

**STEEL LINER**

Maintenance &amp; Information

The living room fireplace was installed with a flue liner. This could not be accessed at the time of inspection. This appeared to be a professional installation. Ask the homeowner for documentation about the installation.





# 4: FIREPLACE

## Information

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**Firebox & Smoke Chamber:**  
**Fireplace Opening**  
Basement: 30x23

## Observations

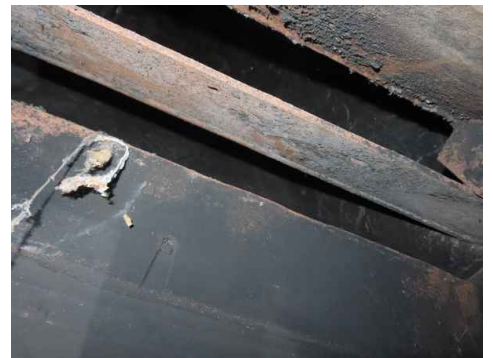
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4.2.1 Firebox & Smoke Chamber

### **DAMPER DIFFICULT TO OPERATE**

The damper in the chimney was difficult to operate and should be serviced.

 Attention Recommended



4.2.2 Firebox & Smoke Chamber

### **SMOKE CHAMBER**

The smoke chamber was in acceptable condition.

 Maintenance & Information



# STANDARDS OF PRACTICE

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