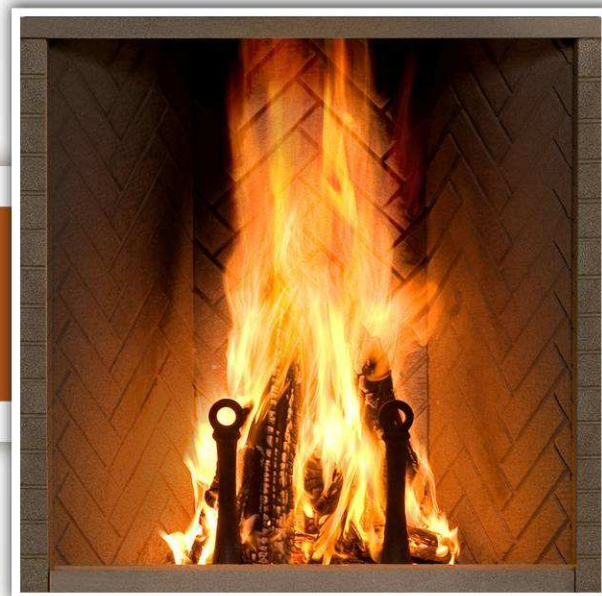


# RUMFORD 1000H

## Architectural Handbook

**THIS BOOKLET IS NOT TO BE USED AS THE INSTALLATION MANUAL  
IT IS MERELY A GUIDE TO ASSIST WITH THE DESIGN PROCESS**



CLEAN DOESN'T MEAN COMPROMISE

**The Product Installation Manual can be downloaded in its entirety at  
[www.renaissancefireplaces.com/en/installation-manuals](http://www.renaissancefireplaces.com/en/installation-manuals)**

**Dear Customer,**

This Booklet is designed to assist with planning for the installation of a Renaissance Rumford Fireplace. It is NOT a replacement for the installation manual itself. Product installation manuals can be downloaded at: <http://www.renaissancefireplaces.com/en/installation-manuals>

The Renaissance Rumford™ 1000H combines technology with elegance, allowing you to enjoy an open fire without compromising environmental quality or losing heated room air.

We at Renaissance Fireplaces™ want to thank you for considering our fireplaces for your project.

Sincerely,

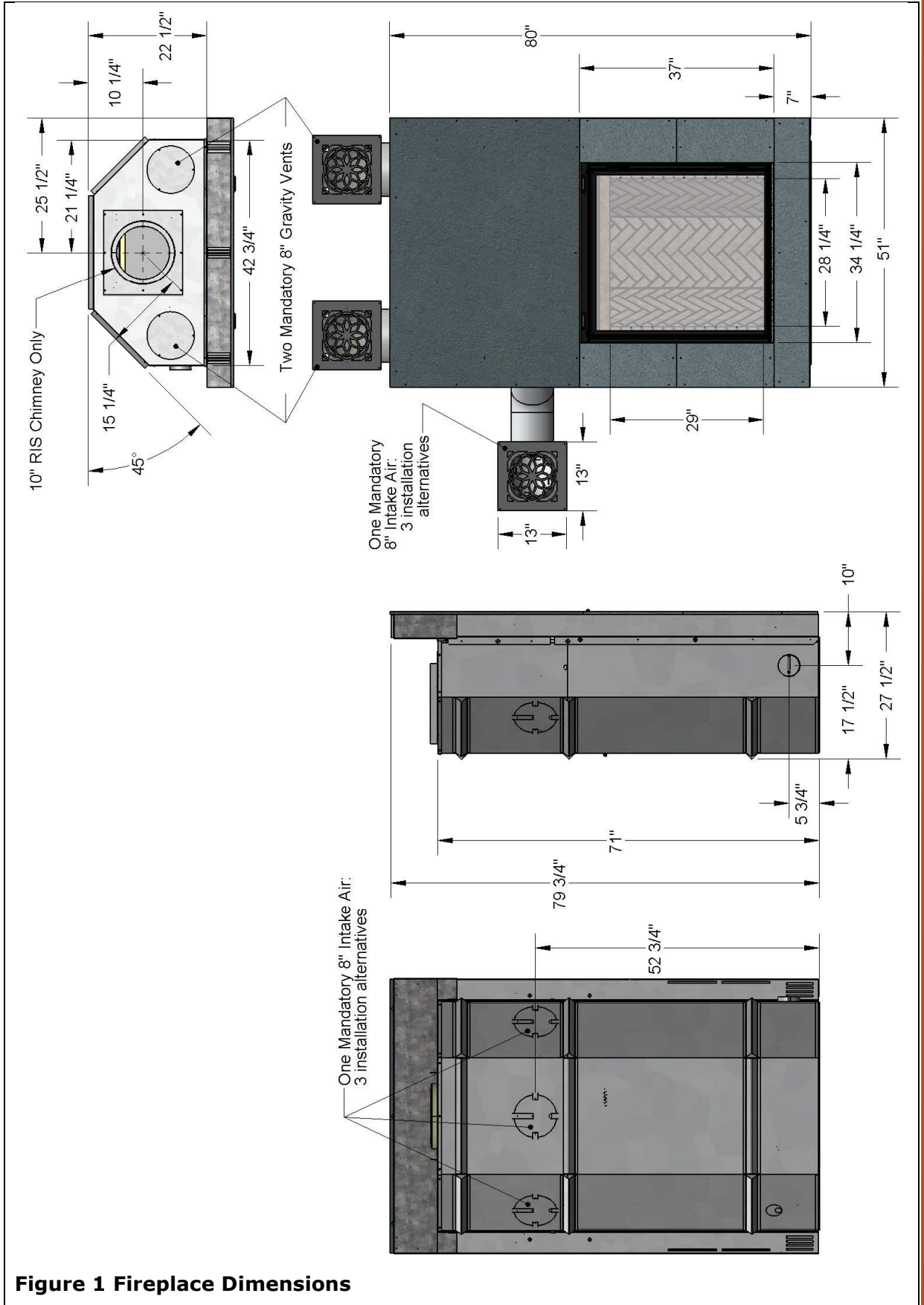
Renaissance Fireplaces™ Team

April, 2010

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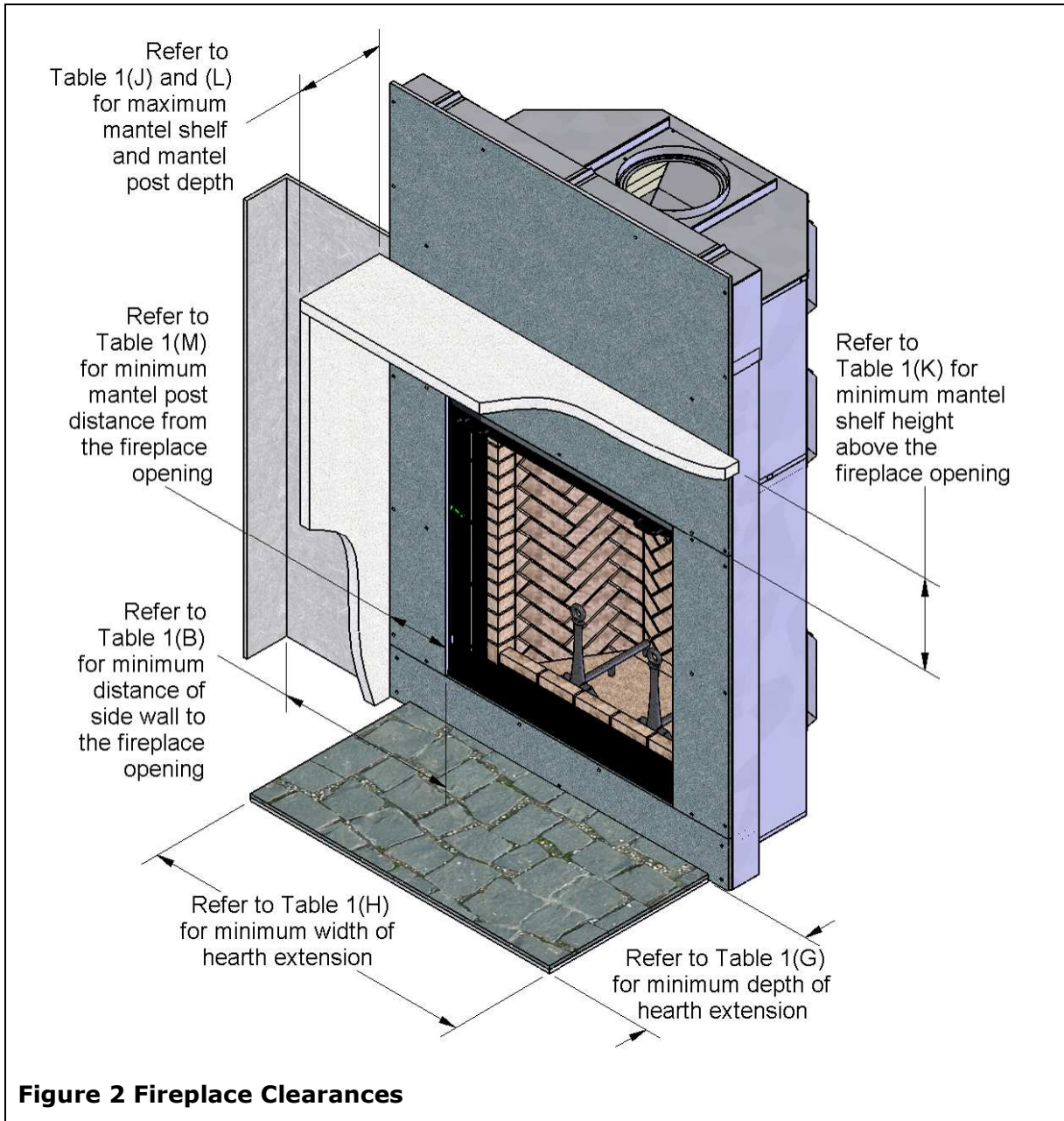
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# DIMENSIONS



**Figure 1 Fireplace Dimensions**

# CLEARANCES



**Table 1 Unit Clearances and Specifications**

A	Distance to combustible material from side, back and top standoffs	0" (0,0 mm)
B	Minimum distance from side wall to the side of the fireplace opening	24" (610 mm)
C	Minimum ceiling clearance: from the base of the fireplace to the ceiling	8' (2.44 m)
D	Minimum chimney height: minimum total chimney height from fireplace top to below the chimney rain cap	12' (3.66 m)
E	Maximum chimney height: maximum total chimney height from fireplace top to below the chimney rain cap	60' (18.3 m)
F	Maximum chimney height supported by the fireplace	15' (4.6 m)
G	Minimum depth of non-combustible hearth extension: from the front of the fireplace (refer to the "Installation: Hearth Extension" section for details)	24" (610 mm)
H	Minimum width of non-combustible hearth extension: total width, must be centered on the firebox opening (refer to the "Installation: Hearth Extension" section for details)	45" (1.14 m)
I	Minimum width of the spark guard	45" (1.14 m)
J	Maximum mantel shelf depth (see Table 2 for other mantel sizes)	12" (305 mm)
K	Minimum height of a combustible mantel shelf above the top of the fireplace opening (to the bottom of the combustible mantel) (refer to the "Installation: Mantel" section for details)	See Table 2
L	Maximum mantel post depth (see Table 3 for other mantel post sizes)	12" (305 mm)
M	Minimum distance between each combustible mantel post and the fireplace opening (refer to the "Installation: Mantel" section for details)	See Table 3
N	Minimum clearance between the outside of the intake duct and any combustible structure above, below or along side	0" (0.0 mm)
P	Minimum height of the intake decorative grill from the floor	0" (0.0 mm)
Q	Minimum clearances between the outside of the gravity vent duct and: <ul style="list-style-type: none"> <li>• Any combustible structure above</li> <li>• Any combustible structure below or along side</li> </ul>	4" (102 mm) 2" (51 mm)
R	Minimum height of the gravity vent decorative grill from the floor: from below the decorative grill to the floor	59" (1.50 m)

**Table 2 Various Mantel Shelf Depths and Corresponding Installation Heights**

Maximum Mantel Shelf Depth	Minimum Installation Height
0" to 6"	6"
12"	12"

No combustible mantel shelf can be installed lower than 6" above the top of the fireplace opening. A combustible mantel shelf cannot be deeper than 12".

For combustible mantel shelf depths between 6" and 12", simply install the mantel shelf at a distance above the fireplace opening corresponding to the mantel shelf depth:

- For example, mantel shelf depth to be installed: **9 ¼"**
- It is between 6" and 12"
- Minimum installation height of a 9 ¼" mantel: **9 ¼"** above the fireplace opening.

If the combustible mantel shelf has a cross-section with variable depth, it has to be installed so that its widest part is not installed lower than the corresponding minimum installation height while making sure that the lowest point of the mantel shelf is not installed lower than the minimum installation height corresponding to its depth.

Refer to the "Installation: Mantel" section for particulars.

**Table 3 Various Mantel Post Depths and Corresponding Installation Distance**

Maximum Mantel Post Depth	Minimum Installation Distance
0" to 3"	6"
12"	10"

No combustible mantel post can be installed closer than 6" from either side of the fireplace opening. A combustible mantel post cannot be deeper than 12".

For combustible mantel post depths between 6" and 12", you can calculate the minimum installation distance between the two mantel posts given as follows:

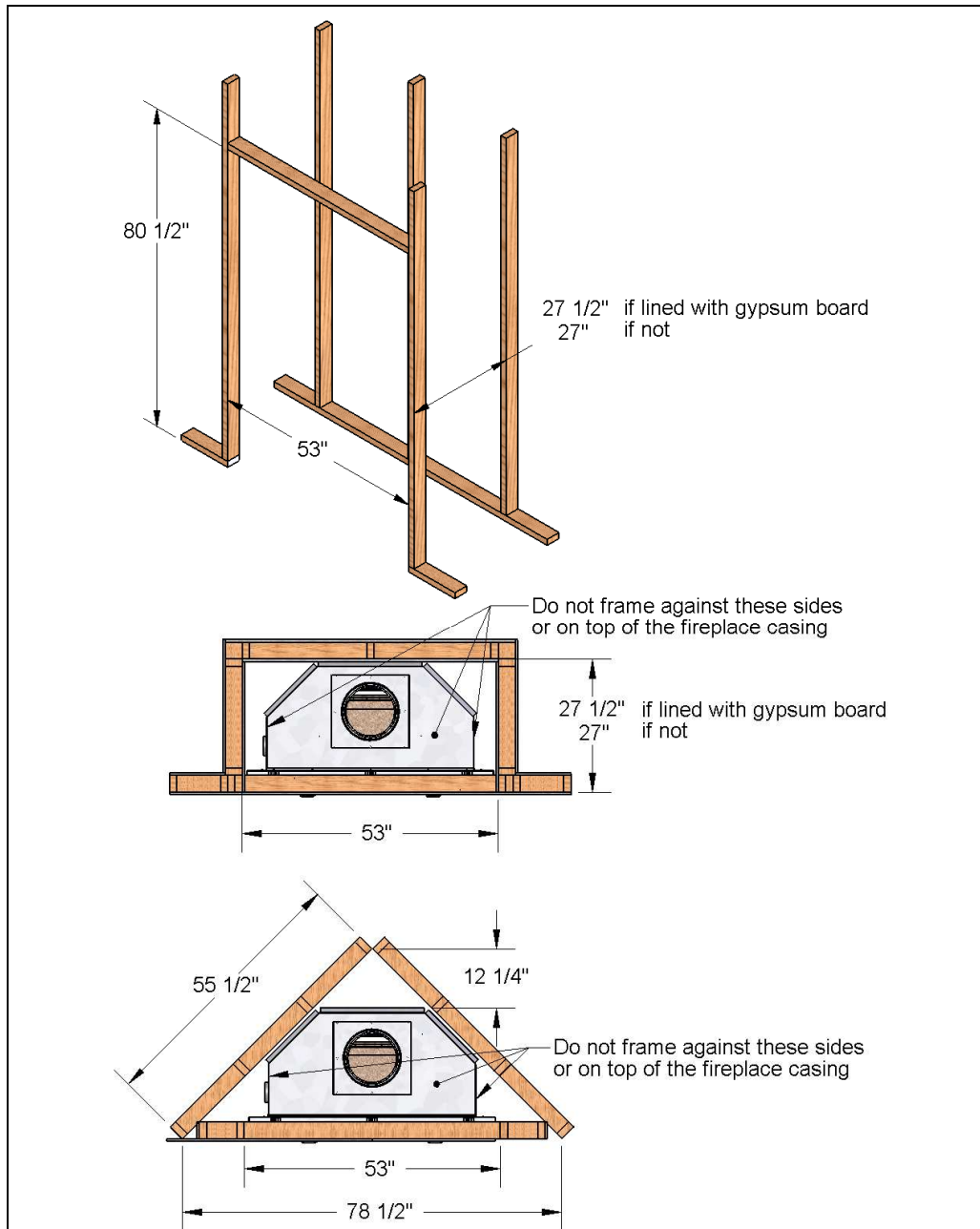
- For example, mantel post depth to be installed: **9 ¼"**
- It is between 3" and 12"
- So:  $(9.25 \times 4/9) + 4.676 = 8.778 = 8 \frac{13}{16}"$
- Minimum installation distance of a 9 ¼" mantel post: **8 13/16"** from either side of the fireplace opening.

If the combustible mantel post has a cross-section with variable depth, it has to be installed so that its thickest part is not installed closer than the corresponding minimum installation distance while making sure that the thinnest point of the mantel post is not installed closer than the minimum installation distance corresponding to its depth.

Refer to the "Installation: Mantel" section for particulars.

# FRAMING

Check with your local authority having jurisdiction (such as municipal building department, fire department, fire prevention bureau, etc.) regarding restrictions and installation requirements, and the need to obtain a permit.



The framing dimensions are larger than required for ease of installation. Do not forget to allow space for the required framing (10 1/2" x 10 1/2") to install the two mandatory gravity vents and the mandatory intake air.

**Figure 3 Fireplace Framing Examples**

## FINISHING

### FIREPLACE FACING

The RUMFORD 1000H is provided with its own ½" cement board panels to cover the front of the fireplace. The James Hardie HardieBacker® quality cement boards allow you to finish the facing of the fireplace with any non-combustible material you like.



**WARNING: DO NOT REPLACE THESE CEMENT BOARD PANELS WITH GYPSUM BOARDS.**

Depending on your desired installation for the hearth extension, you need, or not, to install the bottom panel (see the Hearth Extension section). Using 1" wood screws, install the bottom panel centered and well against the two side panels.

### COVERING THE FIREPLACE FACING

Facing materials must be NON-COMBUSTIBLE such as metal, brick, slate or ceramic tile. Gypsum board is NOT an acceptable facing material. The only combustible material accepted on the facing of the fireplace is for a mantel (shelf and posts).

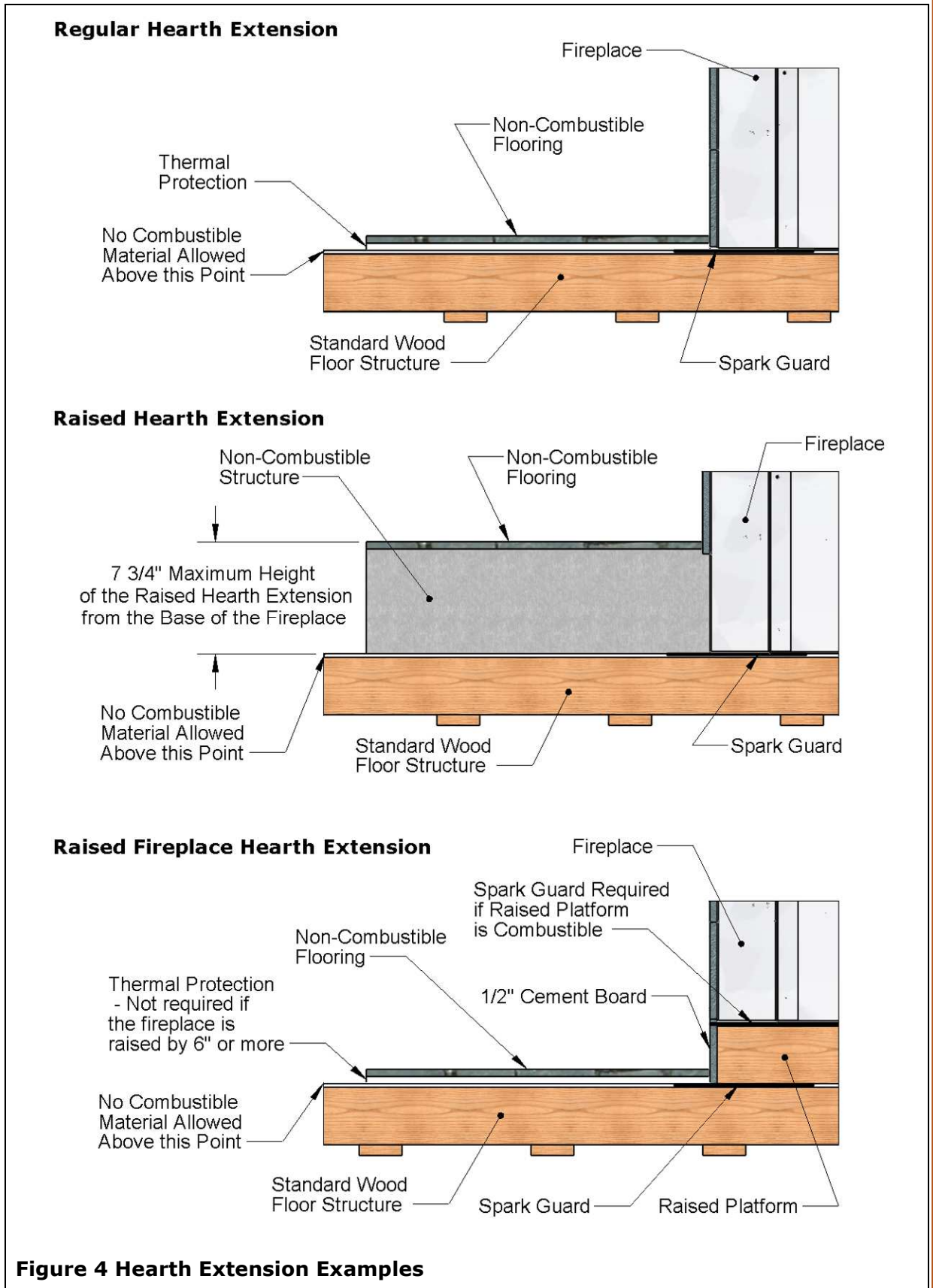
The smooth surface of the HardieBacker® can be painted, textured or tiled just as you would over gypsum boards. The lintels provided with the fireplace are appropriate for thin facing materials. A wider steel lintel may be required for heavy rock. If so, contact your local sheet metal contractor for a custom steel lintel.

### HEARTH EXTENSION

The area immediately in front of the fireplace must be protected. Refer to Table 1 (G-H) for the depth and width that the hearth protection should extend beyond the front and both sides of the fireplace opening (see Figure 2). Refer to Figure 4 for various alternatives of hearth extension installation.

If the RUMFORD 1000H is installed on a non-combustible floor, NO hearth requirements are necessary.

For non-combustible flooring material such as brick, tile, stone or slate, the non-combustible flooring must have the same minimum dimensions as the hearth extension (see Table 1 (G-H)) and must be installed on top of an adequate thermal protection.



PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION  
[WWW.RENAISSANCEFIREPLACES.COM](http://WWW.RENAISSANCEFIREPLACES.COM)

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