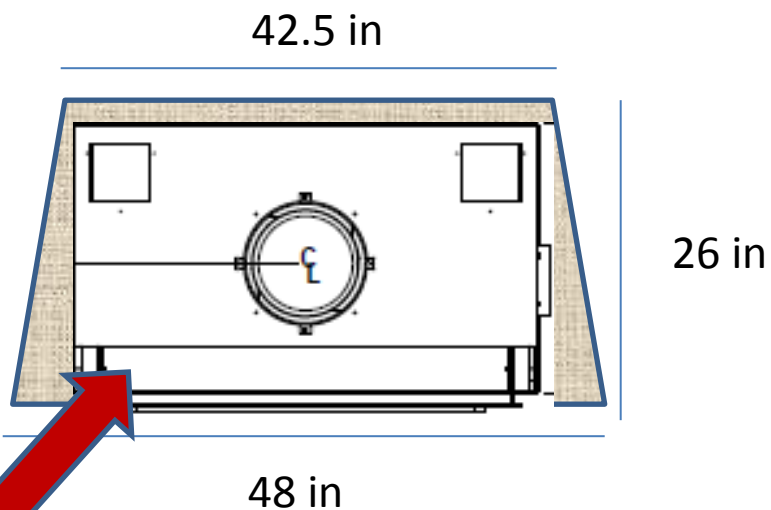


## Current Masonry Fireplace

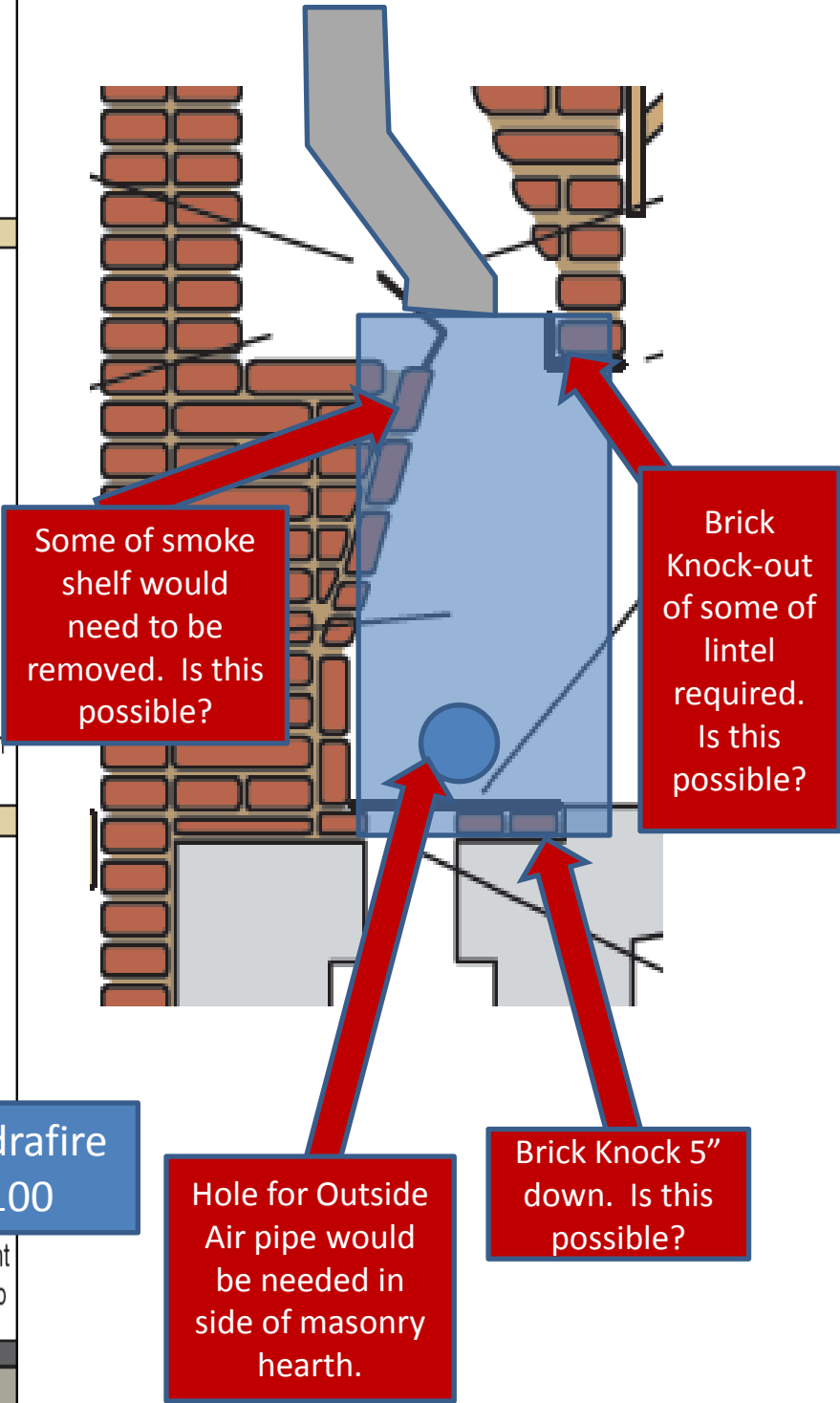
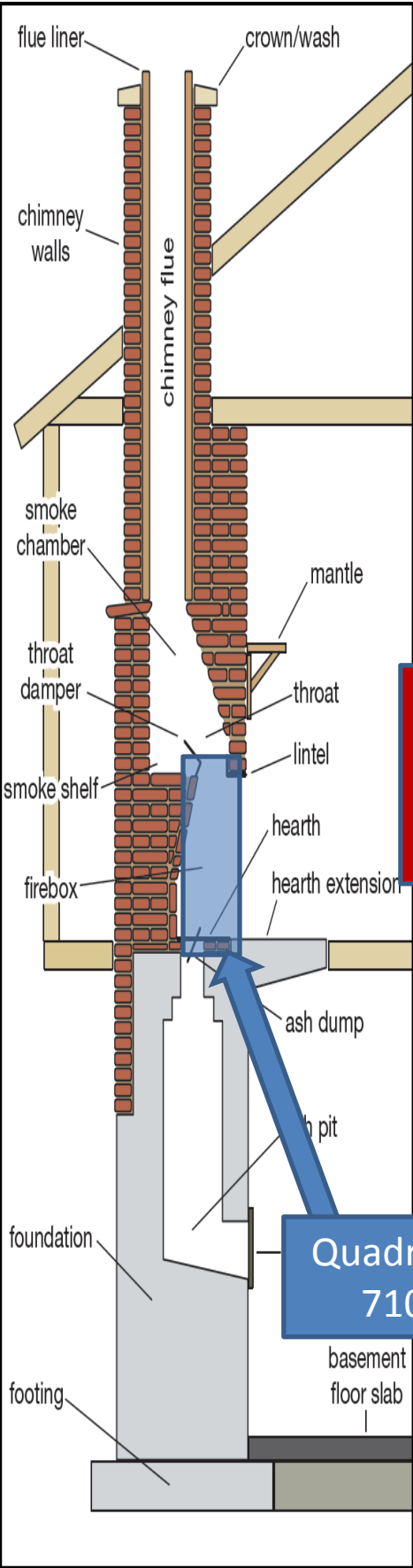


Current Dimensions at Bottom of Masonry Fireplace



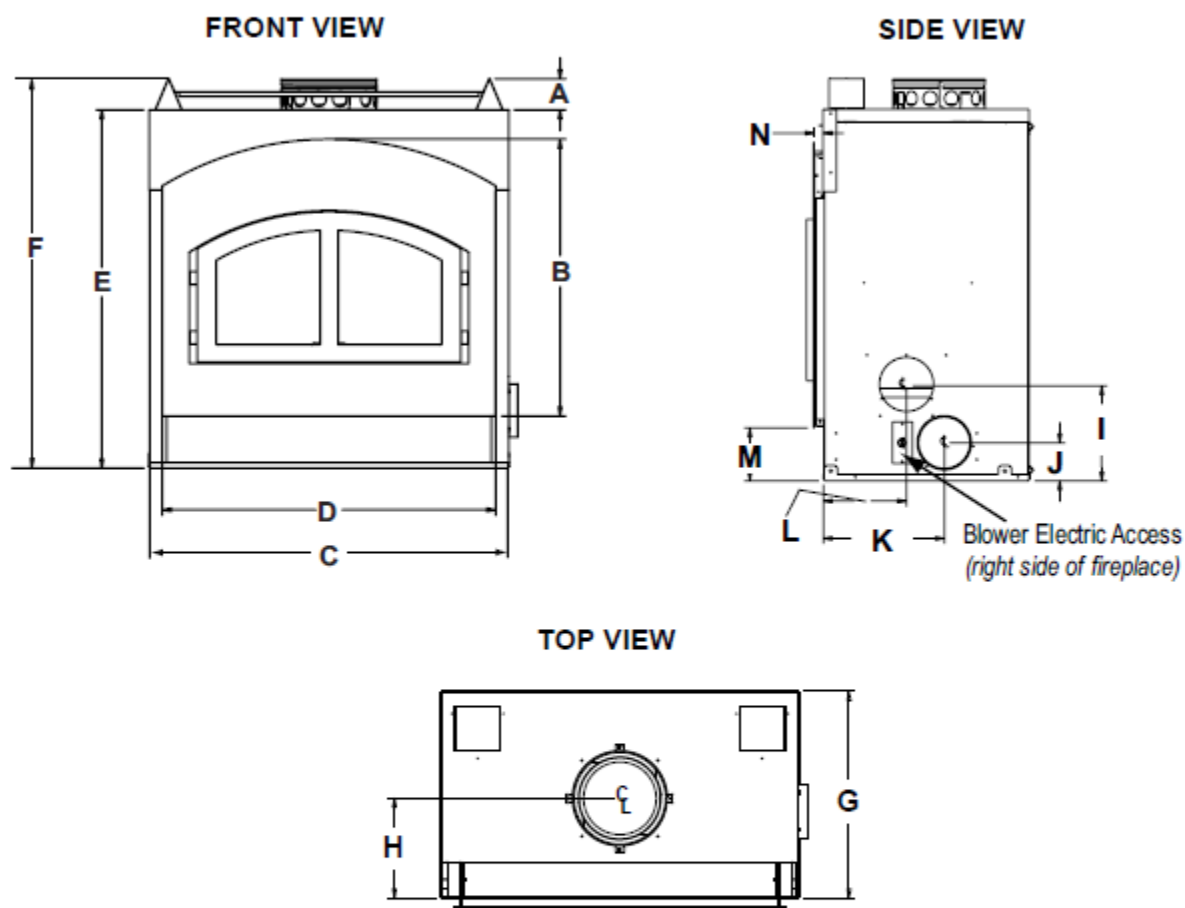
Size of the Quad  
7100 at Bottom  
of existing  
masonry hearth

# Current Masonry Fireplace



# 12 Reference Materials

## A. Fireplace Dimensions



7100FP	A	B	C	D	E	F	G
in.	3-1/2	32-1/2	38	40	42-5/16	45-13/16	23-7/16
mm	89	826	965	1016	1075	1148	595
	H	I	J	K	L	M	N
in.	13-3/16	10-13/16	4-5/16	13-3/4	9-7/16	6	1
mm	335	259	109	349	240	152	25

Figure 12.1

## 6 Framing and Clearances

### A. Selecting Fireplace Locations

Several options are available to you when choosing a location for your fireplace. This fireplace may be used as a room divider, installed along a wall, across a corner or used in an exterior chase. See Figure 6.1

Locating the fireplace in a basement, near frequently opened doors, central heat outlets or returns, or other locations of considerable air movement can affect the performance and cause intermittent smoke spillage from the front of the fireplace when no outside air is used. Outside air must be used for combustion. The 7100FP comes equipped with an outside air inlet to feed combustion air from outside the home, along with an outside air termination cap. Consideration should be given to these factors before deciding on a location. See Sections 4 and 5.

**NOTICE:** In addition to these framing dimensions, also reference the following sections

- Clearances (Section 6.B)

**NOTICE:**

- Illustrations and photos reflect typical installations and are **FOR DESIGN PURPOSES ONLY**.
- Illustrations/diagrams are not drawn to scale.
- Actual installation/appearance may vary due to individual design preference.
- Hearth & Home Technologies reserves the right to alter its products.

**NOTICE:**

A minimum 1/2 in. air clearance must be maintained at the back and to the sides of the fireplace assembly.

Chimney sections at any level require a 2 in. minimum air space clearance between the framing and chimney sections.

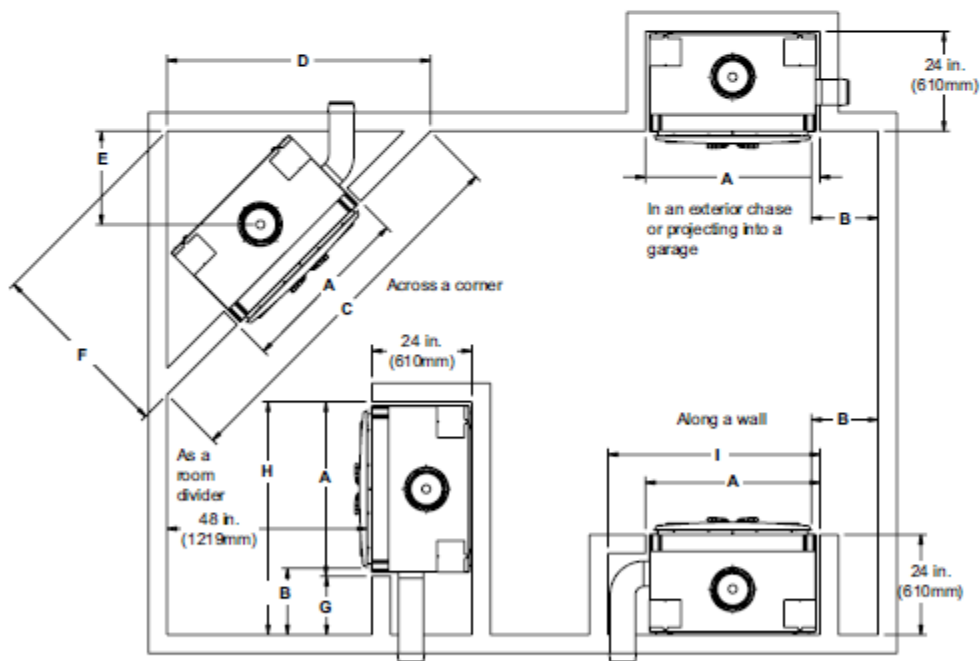


Figure 6.1 Fireplace Locations

Model # 7100 FP	A	B	C	D	E	F	G	H	I
(Dimensions for finished walls)	in. 41-7/8	16	89-1/2	63-5/16	22-7/16	44-3/4	14-1/16	55-15/16	50-7/8
	mm 1063	408	2273	1608	570	1137	357	1421	1282

## B. Clearances

### **WARNING! Risk of Fire!**

You must comply with all minimum air space clearances to combustibles as specified in Figure 6.2. **DO NOT** pack required air spaces with insulation or other materials. Framing or finishing material used on the front of, or in front of, the appliance closer than the minimums listed, must be constructed entirely of non-combustible materials (i.e., steel studs, concrete board, etc.). Failure to comply may cause fire.

Is the clearance  
above the unit  
still required if it  
is non-  
combustible  
Brick masonry?

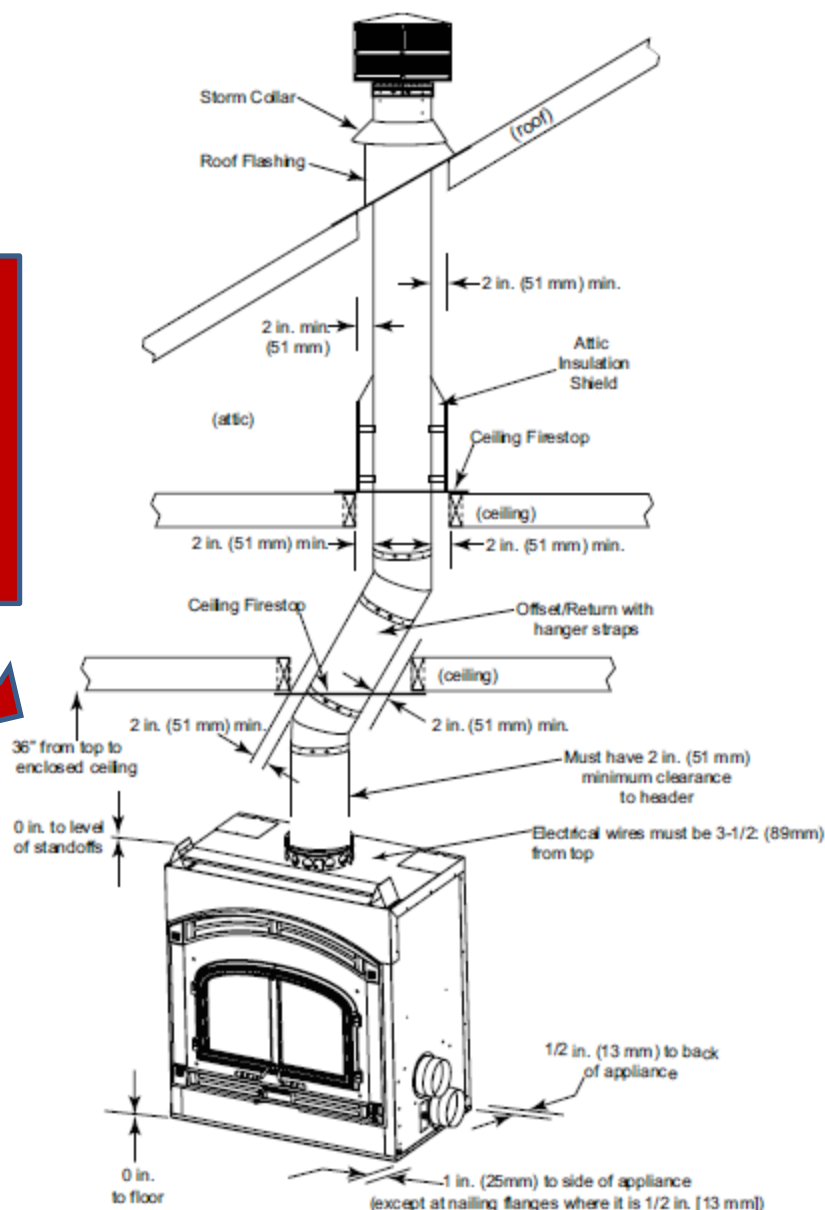


Figure 6.2 Clearances to Combustible Materials

## 1. MINIMUM CLEARANCES TO COMBUSTIBLES

<b>WITHIN ENCLOSURE AREA</b>	
Appliance to backwall	1/2 in. (13 mm)
Appliance to sidewall	1 in. (25 mm)
Duct boots to framing	0 in. (0 mm)
Top standoffs to header	0 in. (0 mm)
Door opening to sidewall	22-7/8 in. (581 mm)
<b>EXPOSED SURFACES</b>	
Faceplate to sidewall	16 in. (406 mm)
Heat zone air grills to ceiling	12 in. (305 mm)
<b>MANTEL</b>	
Mantel minimum height	60 in. (1524 mm)
Maximum mantel depth	12 in. (305 mm)

## 2. REDUCED MANTEL HEIGHT / OPTIONAL FRAMING CONSTRUCTION REQUIRED:

**Non-combustible** mantel material minimum height from base of fireplace to underside of mantel 46 in. (1168mm) when the following enclosure construction materials are used:

**Non-combustible framing materials must be used above fireplace to height of 84 in. (2134mm) or to the ceiling from base of fireplace for all construction materials, framing members, sheeting, and all finish materials.**

## 3. NON-COMBUSTIBLE MATERIALS

Materials which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials, in a Vertical Tube Furnace at 750°C, shall be considered non-combustible materials.

## 4. COMBUSTIBLE MATERIALS

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other materials that can ignite and burn, whether flame proofed or not, or whether plastered or un-plastered shall be considered combustible materials.

## 5. CHIMNEY SECTIONS

Chimney sections at any level require a 2 in. (51 mm) minimum air space clearance between the framing and chimney section.

### Warning Fire Risk!

*Non-combustible mantels installed at a reduced height may GET EXTREMELY HOT during use of the fireplace. DO NOT TOUCH or place heat sensitive combustible items on the mantel.*

### Warning Fire Risk!

*Hearth & Home Technologies is not responsible for discoloration, cracking or other material failures of finished materials due to heat exposure or smoke.*

*Choose finishing materials carefully.*

## C. Frame the Fireplace

**NOTICE:** Wiring for fans must be done before framed enclosure is completed. If using a Heat Zone kit, it also must be installed before enclosure is complete.

The 7100FP Fireplace will fit a framed opening height of 45-7/8 in. (1165 mm) tall and width of 42 in. (1067 mm). The finished cavity depth must be no less than 24 in. (610 mm). Framing must extend straight up all the way to the ceiling.

Figure 6.3 shows a typical framing (using 2 x 4 lumber) of the fireplace, assuming combustible materials are used. All required clearances to combustibles around the fireplace must be adhered to. See Figure 6.2, on previous page. Any framing across the top of the fireplace must be above the level of the top standoffs. (No recess above standoffs.)

