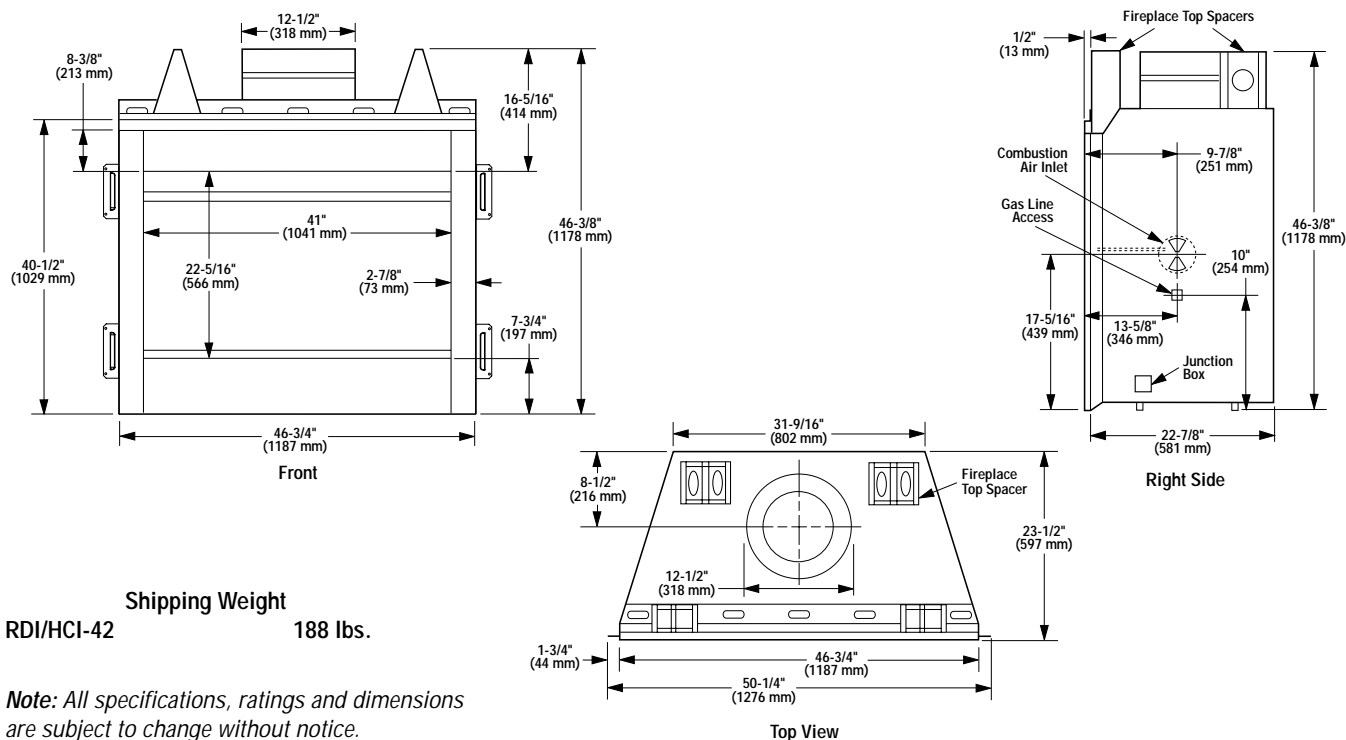


# MERIT™ SERIES RDI-42 & HCI-42

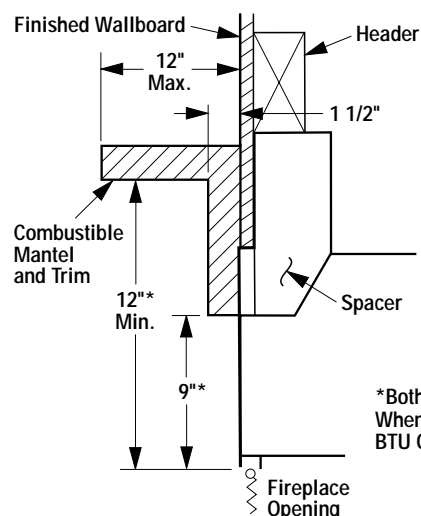
## Appliance Specifications



## Fireplace Finishes

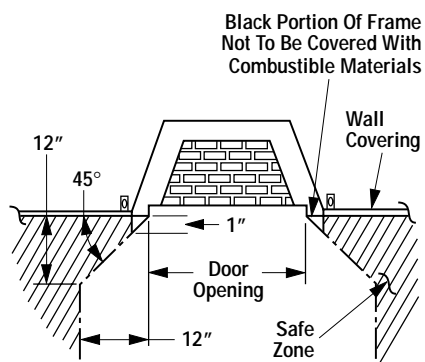
### Mantels And Trim

Combustible mantels and trim may be installed 12" (305 mm) above the fireplace opening as per NFPA 211; Section 7-2.3.3. and the Mantel limitation diagram. If a mantel is of a noncombustible material, it is exempt from these requirements as long as it does not interfere with the installation or operation of glass doors.



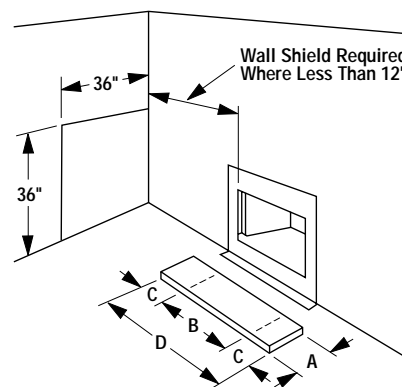
### Vertical Surround Limitations

Combustible materials may project beyond the sides of the fireplace opening as long as they are kept within the shaded areas illustrated in the diagram below.



### Hearth Extensions

A hearth extension must be installed with all fireplaces. Its purpose is twofold. It protects a combustible floor in front of the fireplace from both radiant heat and sparks and it distinguishes the prescribed hearth extension area from other non-protected surfaces.



### Hearth Extension Dimensions

A	16" (406mm)
B	38" (965 mm)
C	8" (203 mm)
D	54" (1372 mm)

\*Both Of These Dimensions Must Be At Least 18" When An Unvented Gas Log Set Rated At 32,000 BTU Or Higher Is Used. (Maximum 40,000 BTU)

**LENNOX**  
HEARTH PRODUCTS

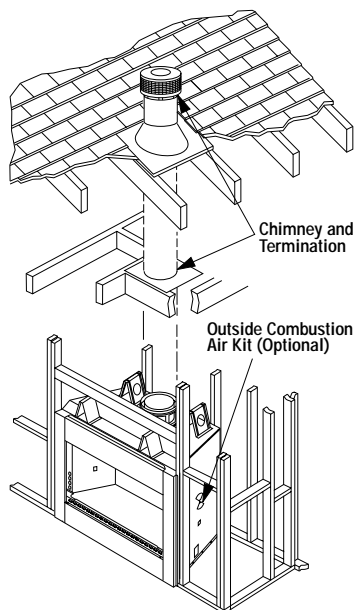
NOTE: DIAGRAMS & ILLUSTRATIONS NOT TO SCALE.

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# MERIT™ SERIES RDI-42 & HCI-42

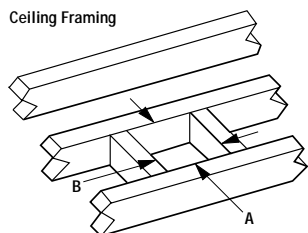
## Framing Specifications

### Typical Installation



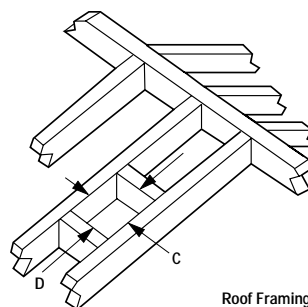
### Radiant Model Shown

#### Ceiling Framing



#### Framing Dimensions for Ceiling

Flue Type	A	B
FTF8 Vertical	16 1/2"	16 1/2"
FTF8 Offset 30°	16 1/2"	27"



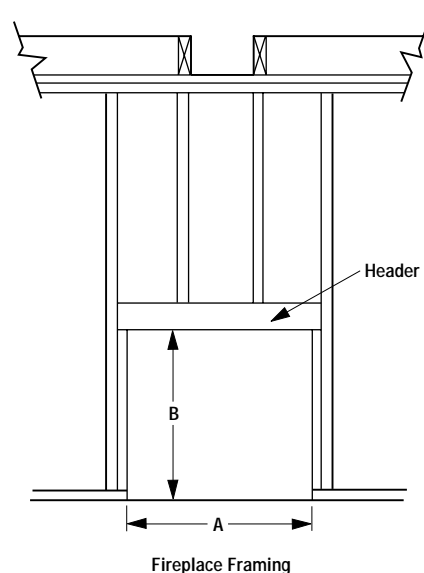
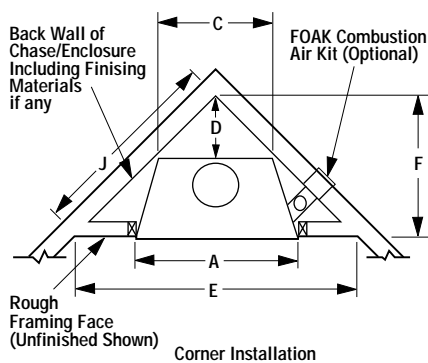
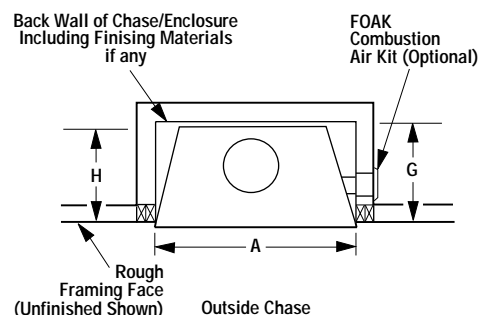
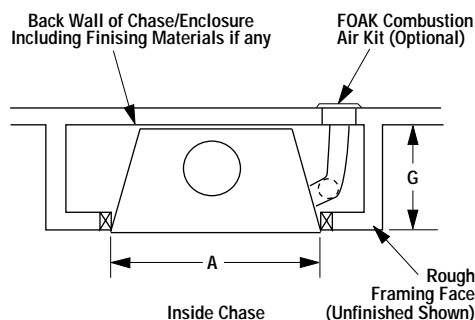
#### Roof Framing

#### Framing Dimensions for Roof

Pitch	C	D*
0/12	16 1/2"	16 1/2"
6/12	16 1/2"	19"
12/12	16 1/2"	23 1/2"

\* Perpendicular to roof ridge

**Note:** All framing dimensions calculated for 1/2" dry wall at the appliance face. If sheathing the chase or finishing with other thickness materials, calculations will need to be made.



**Note:** For millimeters multiply by 25.4

### Framing Dimensions

	A	B	C	D	E	F	G	H	J
RDI/HCI-42	49"	46-1/2"	33"	17-1/2"	81"	40-3/8"	24"	23"	57-1/4"

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NOTE: DIAGRAMS & ILLUSTRATIONS NOT TO SCALE.

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