



MUST READ BEFORE

FRAMING



IMPORTANT INFORMATION



ontario hearth ltd.

Town & Country

TC36 Series D2 (IPI)

TC36 D2 Arch

FRAMING

DIMENSIONS

SPECIFICATIONS

QR LINK FOR
PDF DIGITAL COPY
OF SPECIFICATIONS:



Fireplace Dimensions

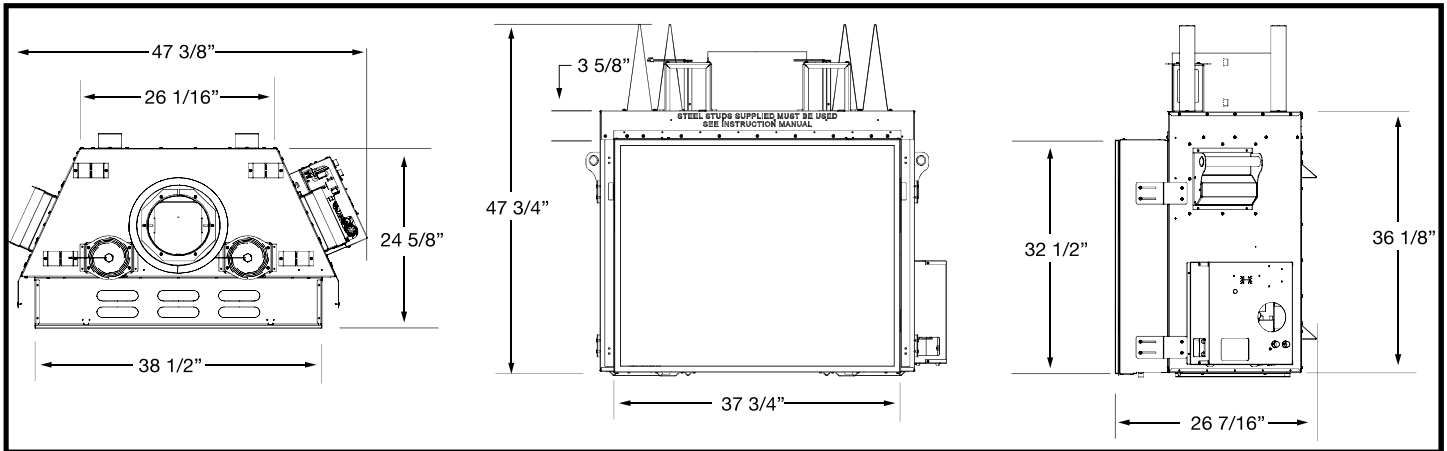


Figure 1: TC36D2 Dimensions.

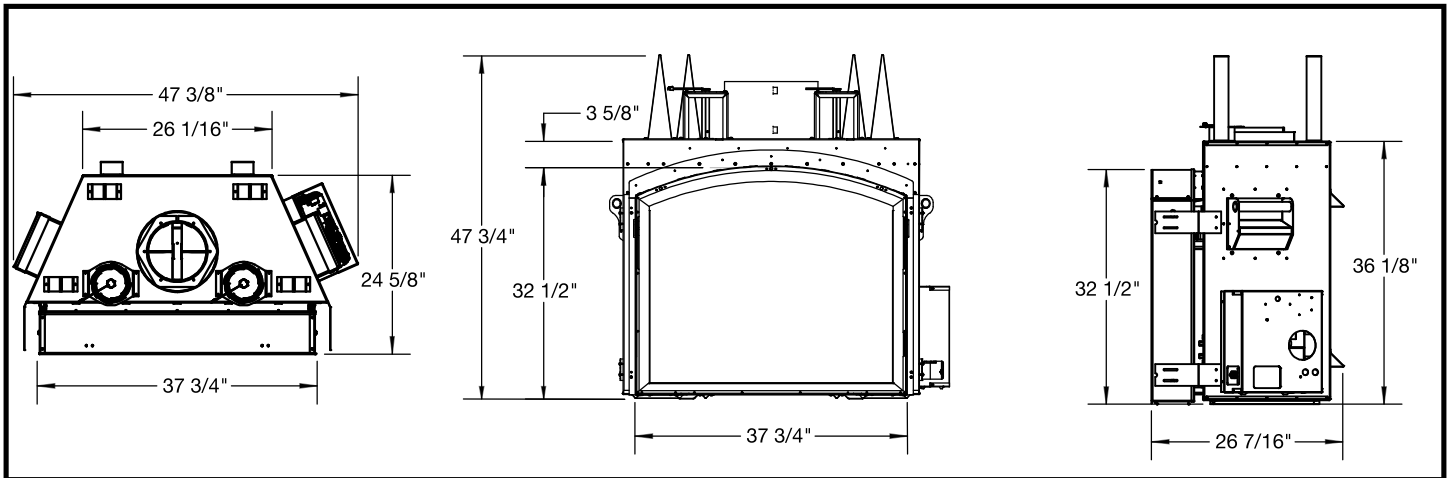


Figure 2: TC 36D2 Arch Fireplace dimensions.

Minimum Clearances to Combustible Material

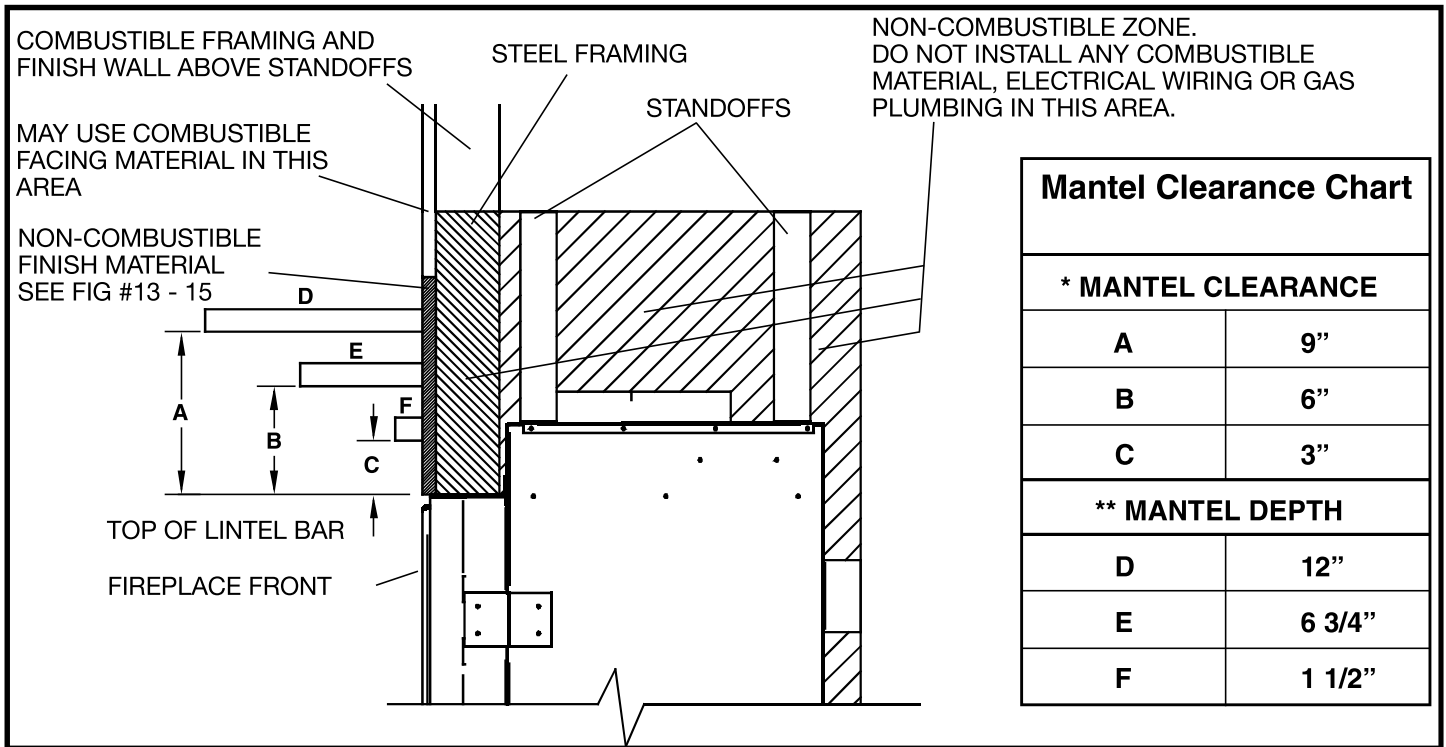


Figure 3: TC36D2 Mantel clearances.

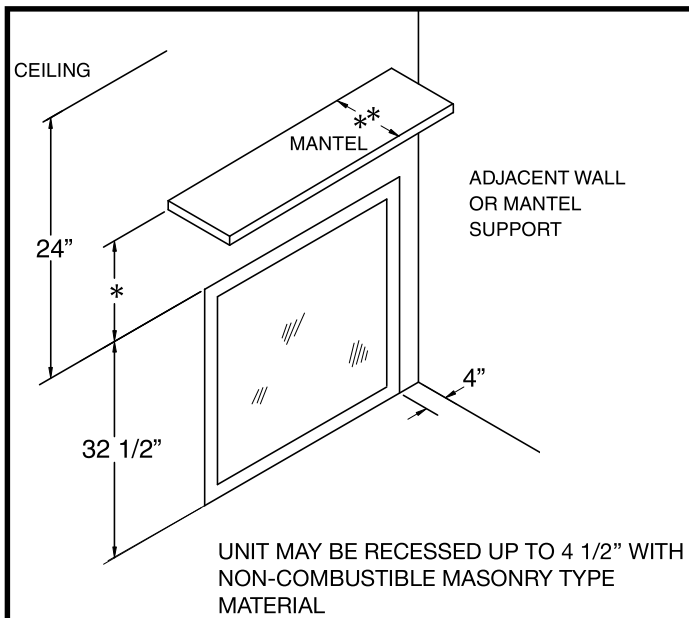


Figure 4: TC36D2 Mantel.

Minimum Clearances:

Side standoffs	0 in.	(0 mm)
Back standoffs	0 in.	(0 mm)
Top standoffs	0 in.	(0 mm)
Bottom of appliance	0 in.	(0 mm)
Adjacent side wall	4 in.	(102 mm)
Ceiling to appliance	24 in.	(610 mm)
*Mantel to appliance	(Figure 3)	
**Maximum Mantel extension	(Figure 4)	
Mantel support	4 in.	(102 mm)
Vertical vent pipe	1 3/4" in.	(45 mm)
Horizontal Vent pipe		
(Top, sides and bottom)	1 3/4" in.	(45 mm)

Installation Requirements

The Town & Country Fireplace installation and venting must conform to the current CAN/CGA-B149 installation code (in Canada) or the current National Fuel Gas Code, ANSI Z223.1 (in the USA), and approved per local codes. Only qualified (licensed or trained) personnel should install this product.

In the state of Massachusetts, only a licensed Plumber and Gas Fitter may install this product.

Manufactured (Mobile) Home

In some jurisdictions, the Town & Country Fireplace may be installed in Manufactured Homes after the "first sale". Consult local codes for approval. The fireplace must be fastened in place.

Install in accordance with the current standard Mobile Homes, CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280 or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites and Communities ANSI/NFPA 501A (in the USA).

Door Frame Removal

Warning: Turn off the fireplace, and allow ample time for the unit to cool before proceeding.

Caution: The ceramic glass is very fragile, and should be handled with care.

The glass door frame is held in place by two spring-loaded latches that are operated by a one-piece latch handle.

1. Remove safety barrier screen (Figure 5) by prying the top portion of the screen toward you, then lift the screen from its tabs (inset) located at the base of the door frame.
2. Remove the TC Finishing Touch Trim Kit from the glass door frame. (If installed)
3. Using a screwdriver (Figure 6) or other similar object, push against the notch in the top of the latch and grab the bottom of the latch handle as it protrudes (Figure 7). Lift handle until latch hook disengages. Repeat for other side while supporting glass door so that it does not tip out.
4. Tilt the top of the glass door frame out to clear the top edge of the unit. Grasp the sides of the frame and lift up and out to disengage from its bottom track.
5. Place the glass door frame in a safe place to avoid damage.
6. Reassemble in reverse order. Latch handle should snap into place and be flush with glass door frame when engaged correctly.
7. Reinstall trim kit if required.
8. Reinstall safety barrier screen.

TIP:

To ensure glass door is properly latched, grasp the top left and right sides of the glass frame. Under moderate pressure it should pull forward and return to original position evenly on both sides.

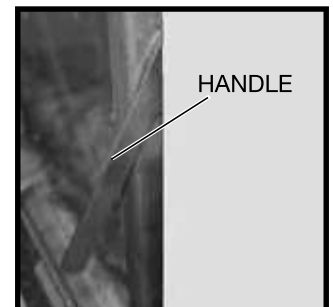


Figure 5: Safety barrier screen. Figure 6: Accessing handle. Figure 7: Handle.

Top Standoffs

The top standoffs are shipped loose inside the fireplace and must be installed on top of the fireplace (Figure 8). Do this once the fireplace is in position.

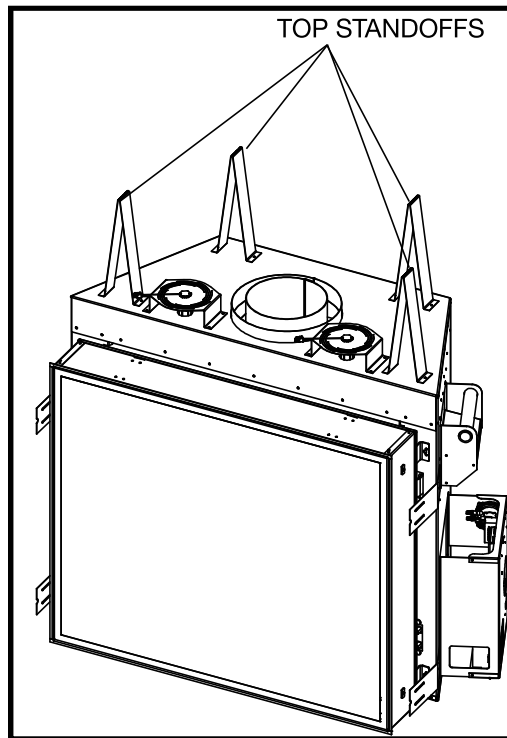


Figure 8: TC 36D Standoffs.

Locating The Fireplace

In planning the installation for the fireplace, it is necessary to determine where the unit is to be installed, location of vent system and where gas supply piping may be plumbed. Various installations are possible, such as, into an existing wall, a corner, a built-in wall or a wall projection (Figure 9). Due to high temperatures, do not locate this fireplace in areas of high traffic or near furniture or draperies.

The minimum clearances from the fireplace to combustible surfaces must be adhered to and are shown in Figure 3 & Figure 4.

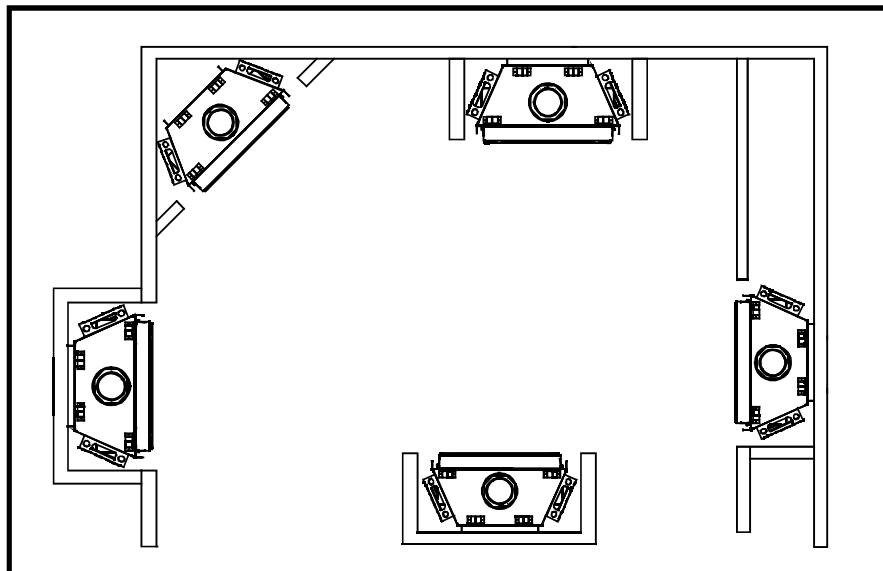


Figure 9: TC36 Possible locations.

Framing and Finishing

Note: The fireplace should be in place and venting installed before framing in or building an enclosure around the unit.

The Town & Country fireplace must be framed in as described below or totally enclosed with non-combustible material, such as facing brick.

Determine the total thickness of facing material to be used. A thickness of 3/4" will allow the finishing surface to be flush with the front of the unit. If preferred, additional masonry type non-combustible material can be installed above and to the sides outward up to 4 1/2 inches of the appliance. The finishing material must not interfere with glass door frame access.

A Steel Stud Framing Kit is supplied with the fireplace and must be used unless the fireplace is totally enclosed with non-combustible material. Assemble the framing kit as per the instructions on pages 12 & 13 of this manual. Attach

the steel frame to the fireplace once the fireplace is in its final position. Secure the steel frame to the framing brackets on each side of the unit. Ensure that the studs are set back far enough to allow for thickness of finishing surface.

The sides, back and top of the fireplace can be framed in up to the steel studs and the fireplace standoffs using conventional lumber. Consult local building codes for specific requirements.

Due to high temperatures, non-combustible backing board, such as cement board or its equivalent, must be used to sheet in the front of the fireplace, extending 12" above and 5 9/16" to the side of the framing edge bars (Figure 13). Standard sheet rock (dry wall) may be used beyond this point.

If the backing board is not to be finished with other non-combustible material such as tiles, it is recommended that top sections of the board be a single sheet of

calcium silicate board or its equivalent. Taped and mudded joints may crack due to the elevated temperatures.

Chase Insulation: When installing this fireplace against a non-insulated exterior wall or chase, it is recommended that the outer walls be insulated to same degree as other exterior walls. Do not place fireplace directly against the insulation. Cover the insulation and plastic vapour barrier with a solid surface, such as dry wall (sheet rock). Consult local codes. Do not insulate or use plastic vapour barrier within the framing kit.

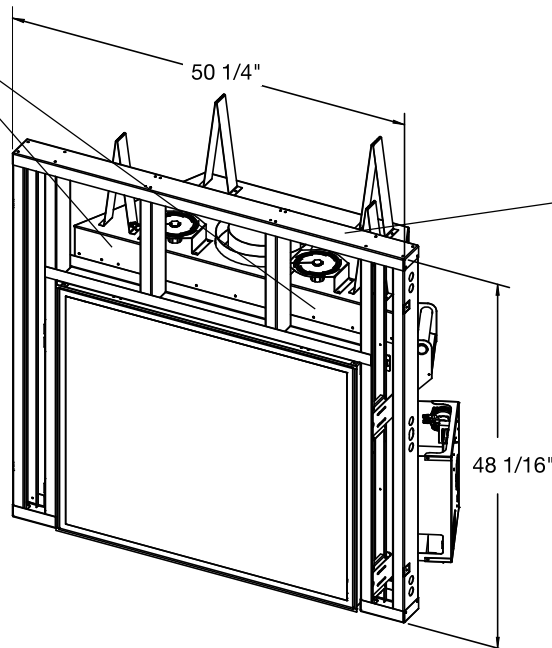
CAUTION: See Figure 16 BEFORE PROCEEDING.

NOTE:

The chase must be properly sealed at the ceiling level or between floors in a multilevel installation.

NON-COMBUSTIBLE ZONE. DO NOT INSTALL ANY COMBUSTIBLE MATERIAL, ELECTRICAL WIRING, INSULATION, PLASTIC VAPOR BARRIER OR GAS PLUMBING WITHIN THE STEEL STUD FRAMING

Steel stud framing kit dimensions (Supplied with fireplace)



ALL OTHER FRAMING CAN BE DONE WITH CONVENTIONAL LUMBER

IT IS HIGHLY RECOMMENDED THAT A FULL HEADER BE INSTALLED ABOVE THE METAL FRAMING KIT

Figure 10: TC 36D with regular frame.

TC36D2 Minimum Combustible Framing Dimensions

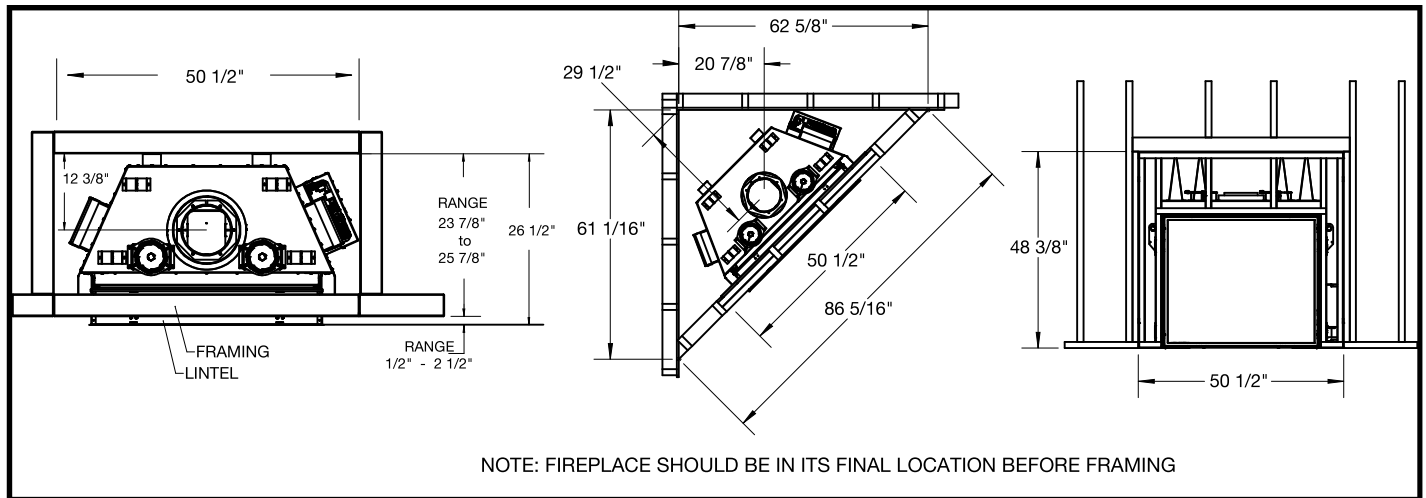


Figure 11: TC 36D Minimum combustible framing dimensions.

TC36D2 Arch Minimum Combustible Framing Dimensions

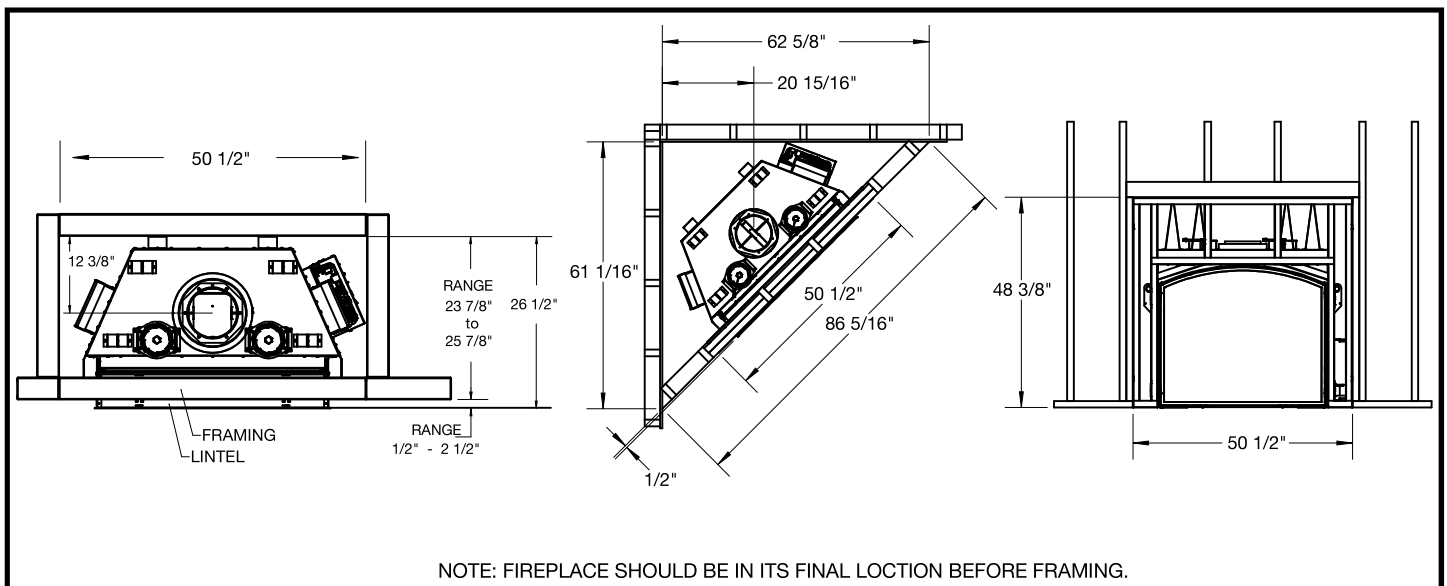


Figure 12: TC 36D Arch Minimum combustible framing dimensions.

Non-combustible board detail

NON-COMBUSTIBLE BOARD

NON-COMBUSTIBLE MATERIALS MUST EXTEND 12" ABOVE AND 5 9/16" TO THE SIDES OF THE FRAMING EDGES.

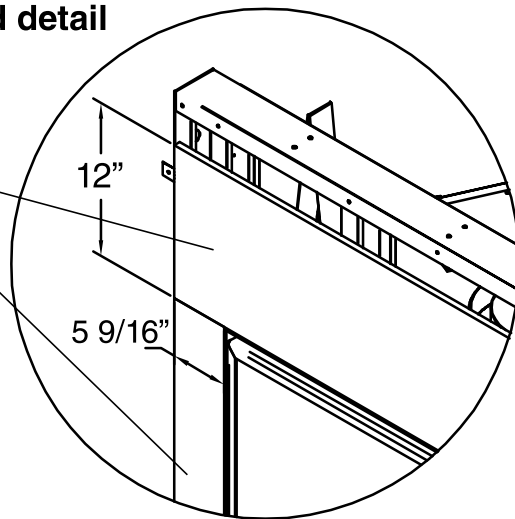


Figure 13: TC 36D Non combustible board dimensions.

Recessed Installation

FIREPLACE FRONT GLASS
STEEL STUD FRAME
NON-COMBUSTIBLE BOARD

NON-COMBUSTIBLE MATERIAL

NON-COMBUSTIBLE RECESSED INSTALLATION DETAIL

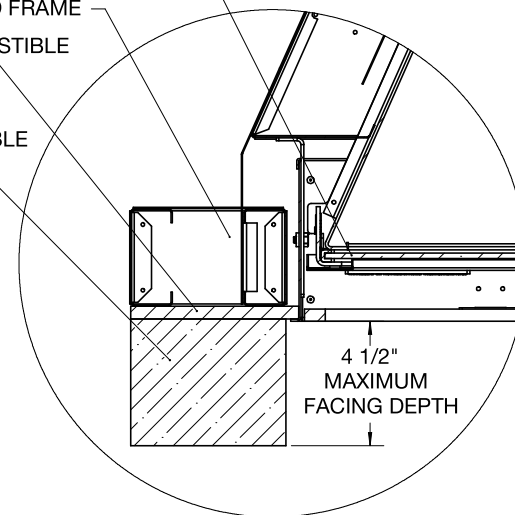


Figure 14: Recessed installation detail.

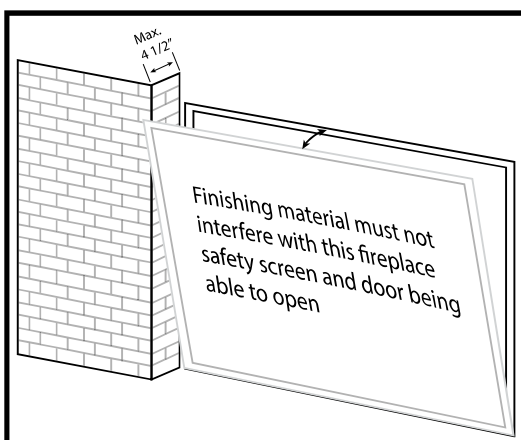


Figure 15: Recessed detail.

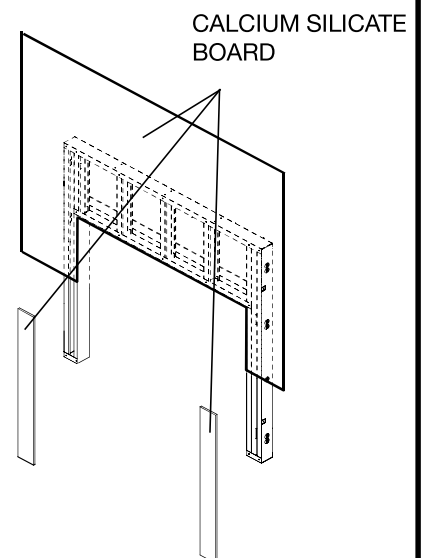
It is important to note that any finishing material used must not interfere with the glass door being able to open in the event of ignition of excess gas buildup.

If finishing the wall above the unit with paint, the framing kit shipped with the unit should be discarded. Use full sheets of calcium silicate board or equivalent and full length metal studs to finish and frame around the unit.

Calcium silicate board is a high grade material with cement, quartz and natural minerals as the main raw materials. (Note: Calcium Silicate is 1/2" thick)

CAUTION: Calcium Silicate board can be damaged if dropped or struck. Handle with care. Inspect board prior to installation and do not use if cracked.

NOTE: It is recommended to pre-drill mounting holes in the board prior to securing to the framing. This will prevent the board from cracking.



FULL SHEET OF A NON-COMBUSTIBLE MATERIAL (NOT INCLUDED IN KIT)

Figure 16: Non combustible calcium silicate board.

TC36D2 Steel Stud Framing Kits (regular and arched)

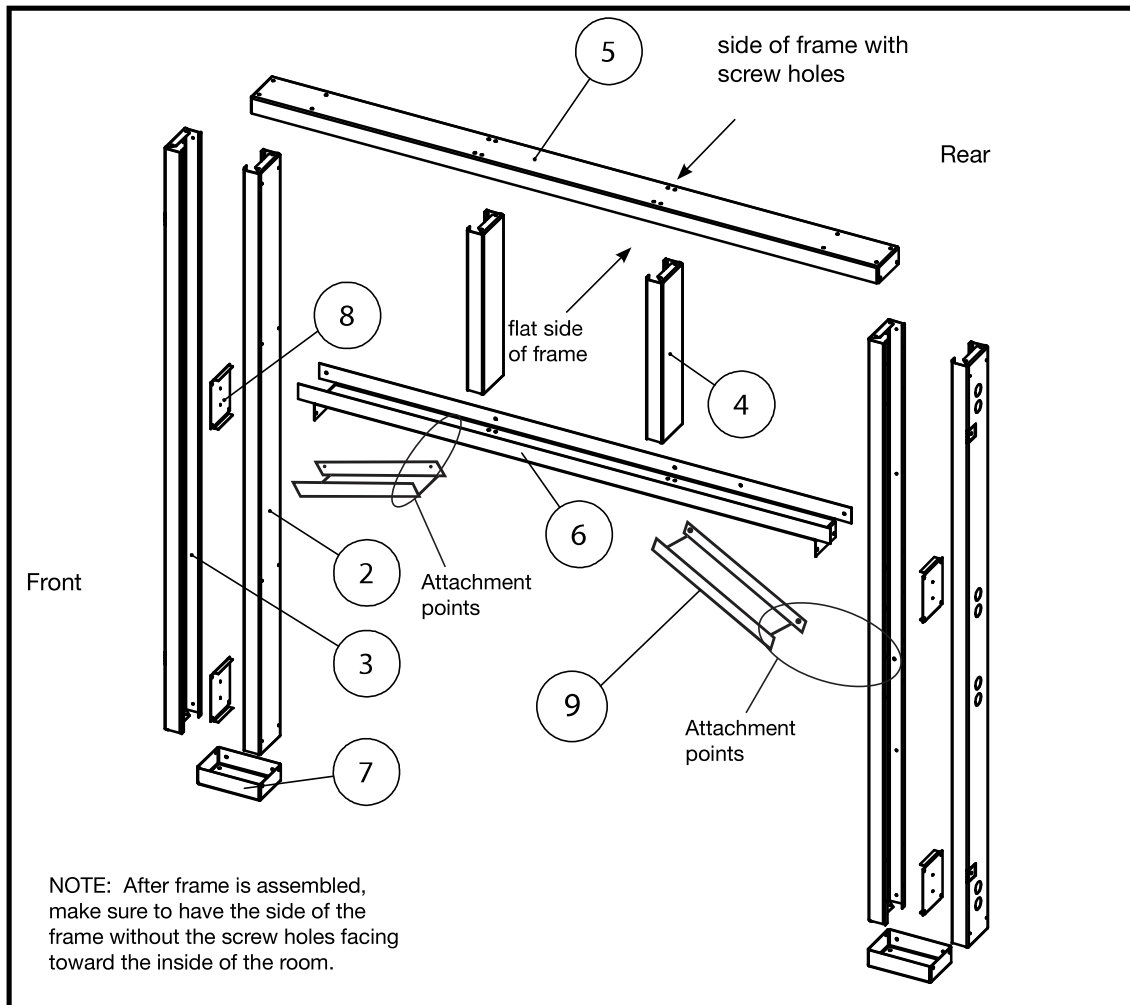


Figure 17: TC 36D Framing with arch components.

REGULAR STUD FRAMING KIT PARTS TC36.B2FRKITA

ITEM NO.	DESCRIPTION	QTY.
1 (not shown)	SCREWS.TEK	40
2	STUD SIDE. INNER 48" L	2
3	STUD VERT. OUTER 48" L	2
4	STUD VERT. CENTER 15 7/16" L	2
5	STUD HEADER, HORIZ. 49 7/8"	1
6	STUD PLATE, HORIZ. 41 1/4 "L	1
7	BASE PLATE 5 15/16" L	2
8	FRAMING PLATE	4

ARCHED STUD FRAMING KIT PARTS TC36.BRFRKITA

ITEM NO.	DESCRIPTION	QTY.
1 (not shown)	SCREWS. TEK	40
2	STUD SIDE. INNER 48" L	2
3	STUD VERT. OUTER 48" L	2
4	STUD VERT. CENTER	2
5	STUD HEADER, HORIZ. 49 7/8"	1
6	STUD PLATE, HORIZ. 41 1/4 "L	1
7	BASE PLATE 5 15/16" L	2
8	FRAMING PLATE	4
9	ARCH SUPPORT	2

1. Top Frame Assembly

Lay out the inner (2) and outer (3) vertical side studs, and vertical center studs (4) on a large flat surface.

Using the screws provided, attach the upper header stud (5) and the stud plate (6) to the vertical center studs (4) (Figure 18 or Figure 19).

2. Attach Side Studs (Legs)

Attach the inner (2) and outer side studs (3) to the top of the upper header stud (5). (Figure 18 or Figure 19).

Fasten the inner and outer vertical side studs (2 & 3) at the bottom using the base plates (7) (Figure 18 or Figure 19).

3. Archway Studs. (if using)

If including the archway, attach the diagonal studs (9) (Figure 19) to the lower horizontal studs and the inner vertical studs.

Turn the assembled frame over to access the remaining fastening points.

4. Attach the Assembled Frame to the unit.

Align the assembled frame to the unit framing brackets. (Figure 20 or Figure 21). Attach at the fastening points through the access holes in the outer side studs. NOTE: Be sure that the side of the frame with the screw holes is facing the fireplace.

5. Secure to Existing Framing

Secure the frame assembly to existing framing through the upper horizontal stud and the stud plates.

6. Install Non-combustible Board

Use drywall screws to install the non-combustible board (Figure 22) or (Figure 23).

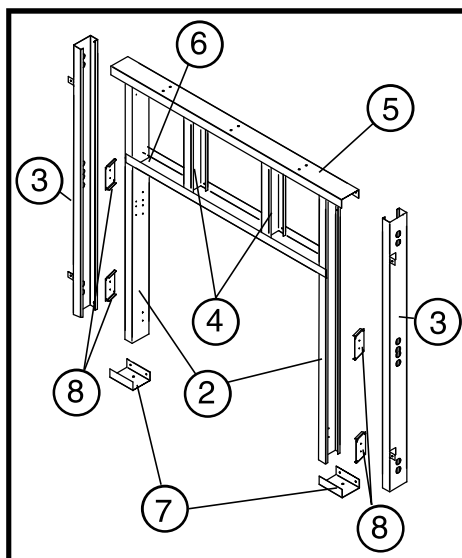


Figure 18: TC 36D regular frame.

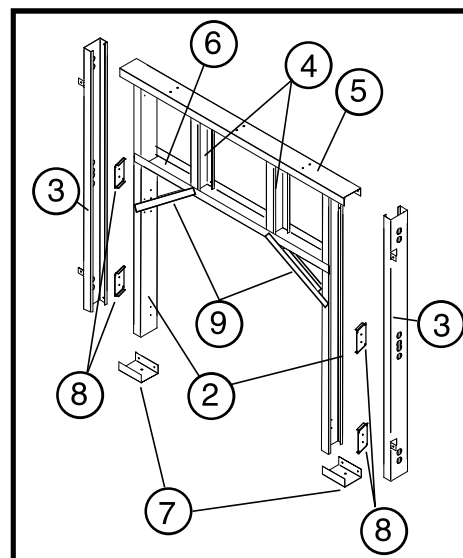


Figure 19: TC 36D arched frame.

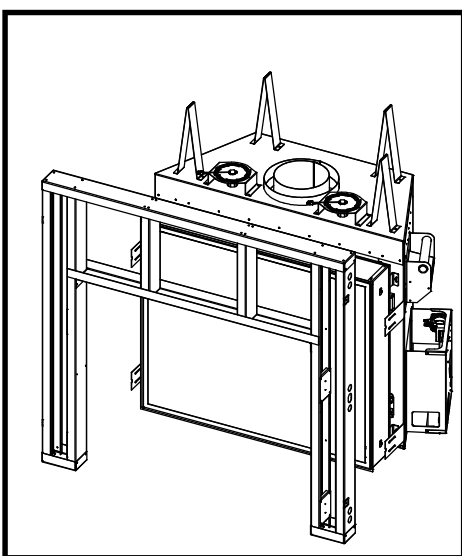


Figure 20: TC 36D regular frame assembled.

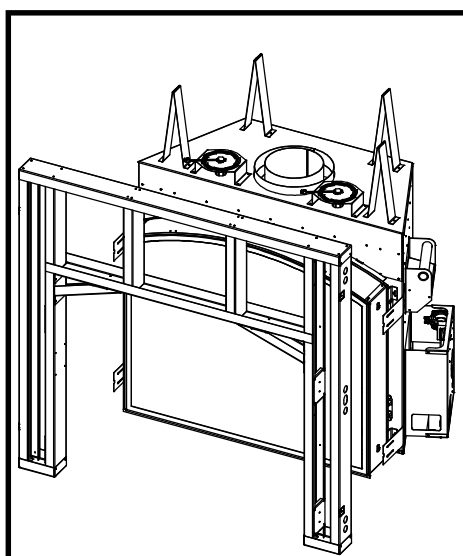


Figure 21: TC 36D arched frame assembled.

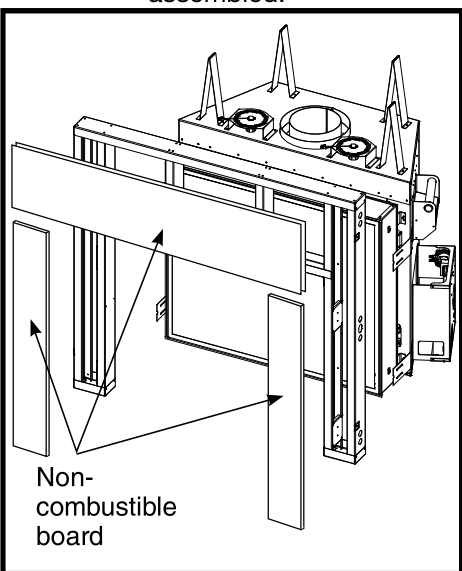


Figure 22: TC 36D regular frame with non-combustible board.

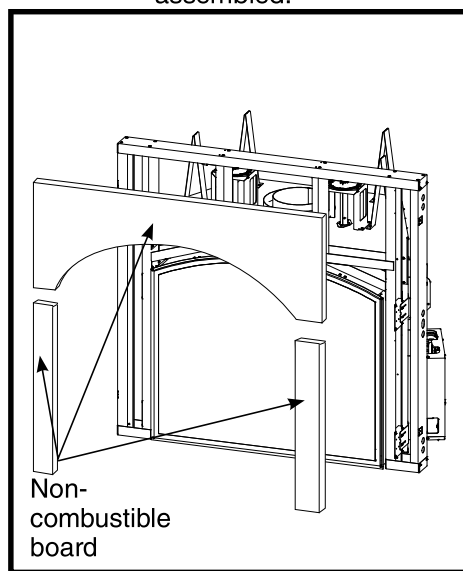


Figure 23: TC 36D arched frame with non-combustible board.

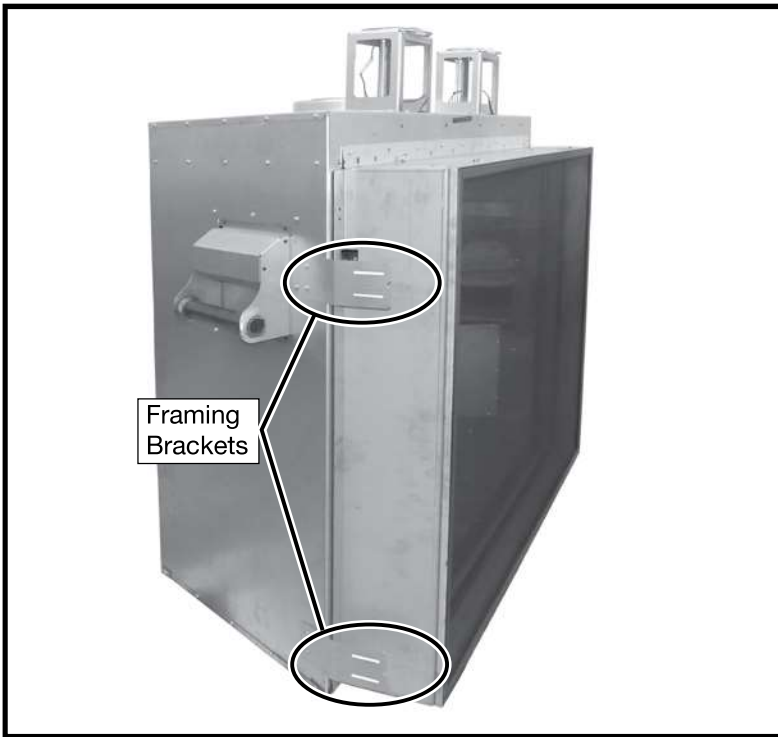


Figure 24: TC36D2 Fixed lintel.

Framing Kit Adjustment

The lintel on the TC36D2 is in a fixed position on the fireplace and there is no adjustment to move the lintel toward you or away from you once the fireplace has been located in its final position. Instead, the fireplace itself must be manoeuvred so that the front face of the lintel determines the final position of the fireplace.

The Framing Kit allows for a 1 7/8 inch adjustment along the Framing Brackets. Use this range to help determine the front of the facing material.

The thickness of the facing material, whether 1/2 inch calcium silicate board or a rock facing must be taken into consideration before settling on a final position of the fireplace. See "Fireplace Facing Allowance" on page 15.

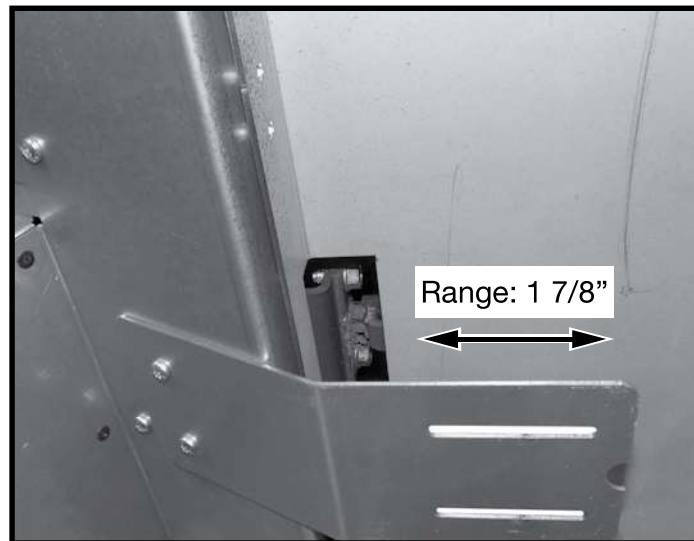


Figure 25: Framing bracket.

Fireplace Facing Allowance

This fireplace is designed to finish either flush with the facing material or can be installed with a 4 1/2 inch recess. See "Figure 14: Recessed installation detail." on page 11.

The fireplace can accommodate facing material up to a thickness of 1 7/8 of an inch if installing flush.

Care should be taken to correctly determine the facing material thickness so that the fireplace is positioned so that the front of the fireplace is flush with the facing material.

Facing material must not interfere with the ability for the door or the screen to open.

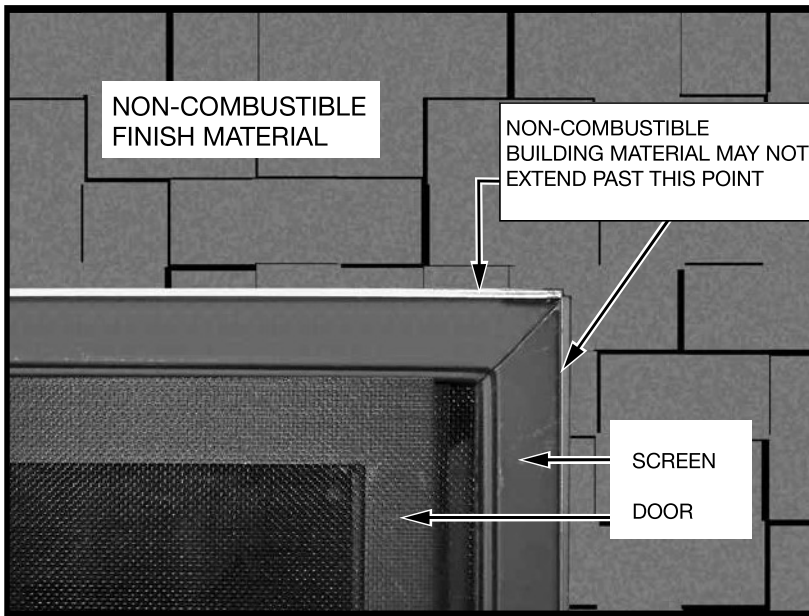


Figure 26: Facing edge location.

Hearth Extension

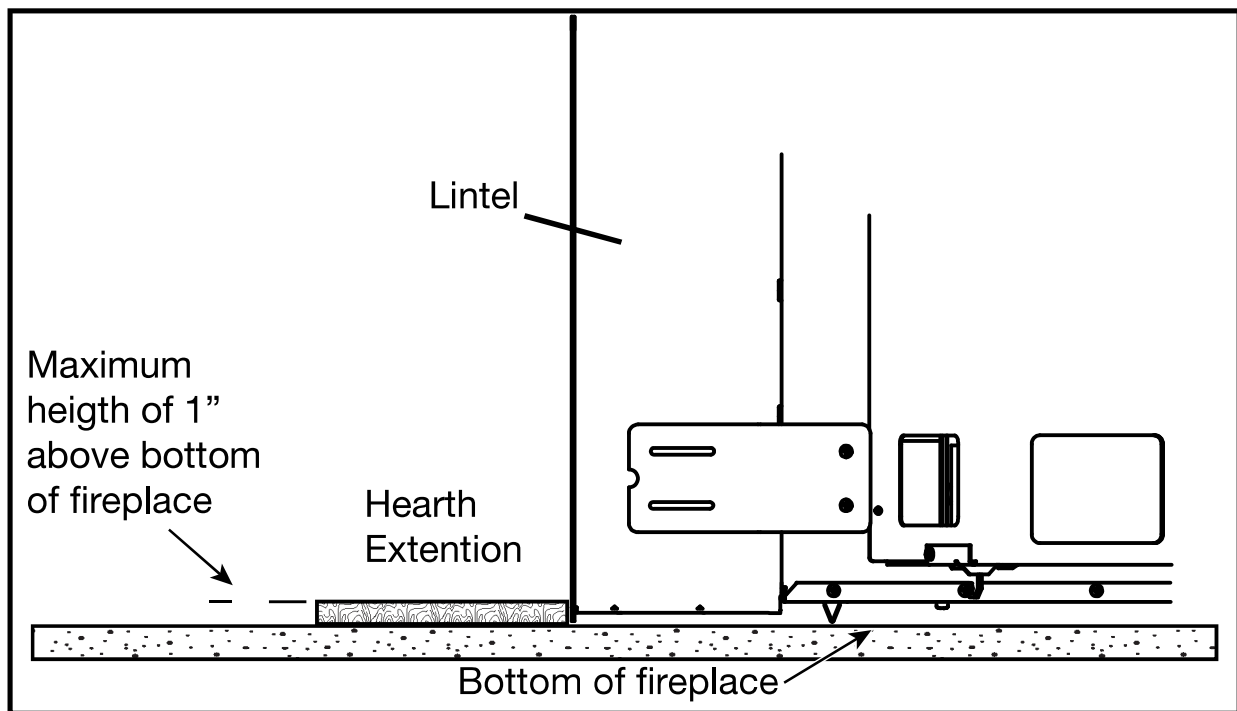


Figure 27: TC36D2 Hearth extension.

Caution: While a hearth extension is not required and combustible flooring materials may be brought directly up to the fireplace, many materials (such as wood flooring) may not tolerate the radiant heat from this fireplace, resulting in discoloration, shrinking and cracking. For this reason, we suggest a non-combustible hearth that is no more than 1" above the bottom of the fireplace. If thicker, fireplace must be raised accordingly.

Caution: Hearth extensions thicker than 1" will interfere with the safety screen and door frame when opening.