



MUST READ BEFORE

FRAMING



IMPORTANT INFORMATION



EST. 2004

ontario hearth ltd.

Town & Country

TC42 Series D2 (IPI)

FRAMING

DIMENSIONS

SPECIFICATIONS

QR LINK FOR
PDF DIGITAL COPY
OF SPECIFICATIONS:



Fireplace Dimensions

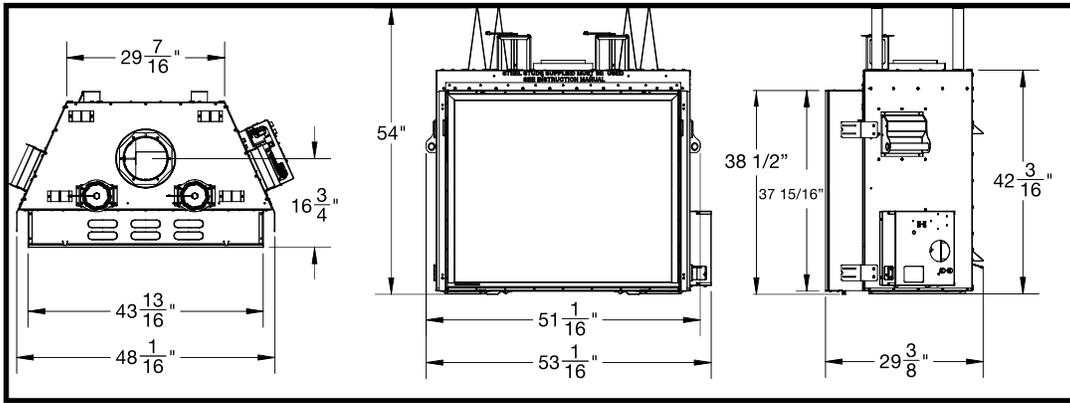


Figure 1: TC42D2 Overall dimensions.

Minimum Clearances to Combustible Material

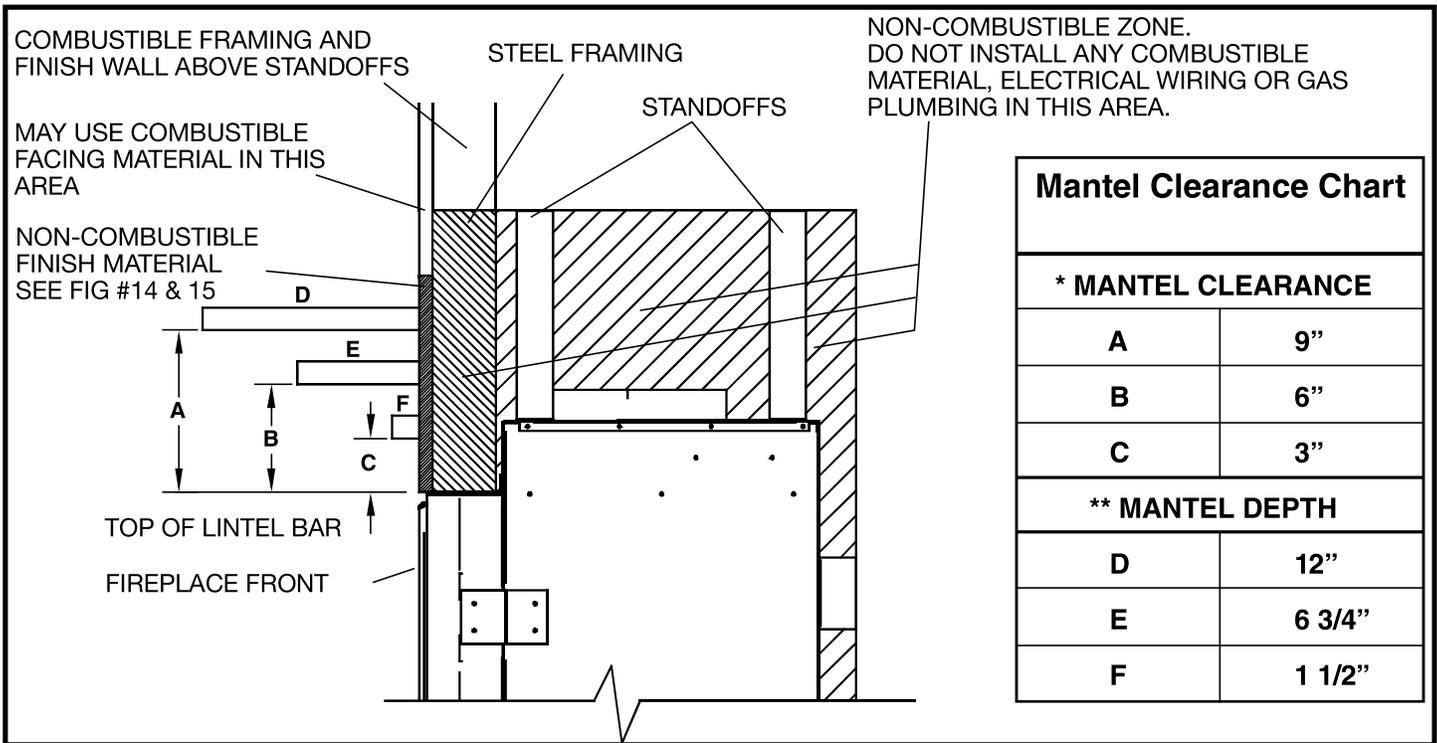
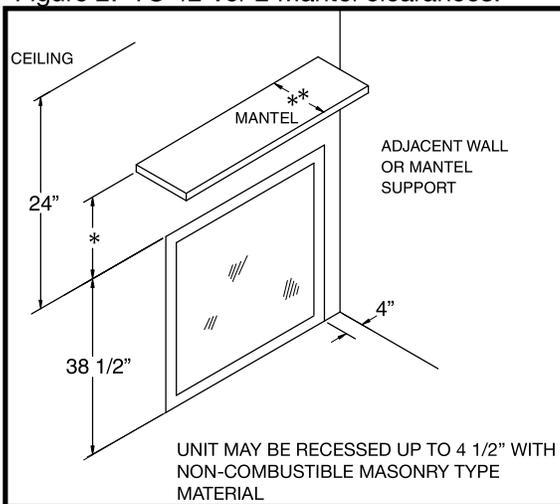


Figure 2: TC 42 Ver 2 Mantel clearances.



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 See Figure #2
- **Maximum Mantel extension See Figure #2
- 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)

Figure 3: TC 42D Ver 2 Mantel.



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 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 4) 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 door frame. (If installed)
3. Using a screwdriver (Figure 5) 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 6). Lift handle until latch hook disengages. Repeat for other side while holding glass so it does not tip out.
4. Tilt the top of the 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 door frame in a safe place to avoid damage.
6. Re-assemble in reverse order. Latch handle should snap into place and be flush with 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.

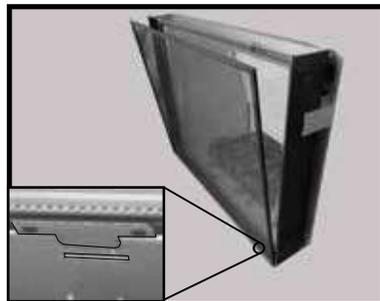


Figure 4: Safety barrier screen.



Figure 5: Accessing handle.

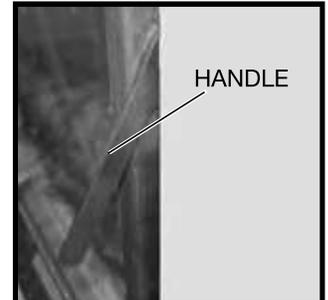


Figure 6: Handle.

Top Standoffs

The top standoffs are shipped loose inside the fireplace and must be installed on top of the fireplace (Figure 7). Do this once the fireplace is on site and in position.

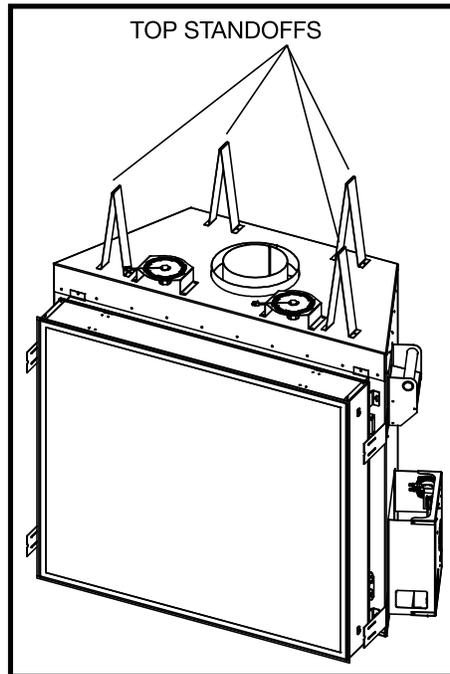


Figure 7: TC42D Standoffs.

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 8). 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 2 & Figure 3.

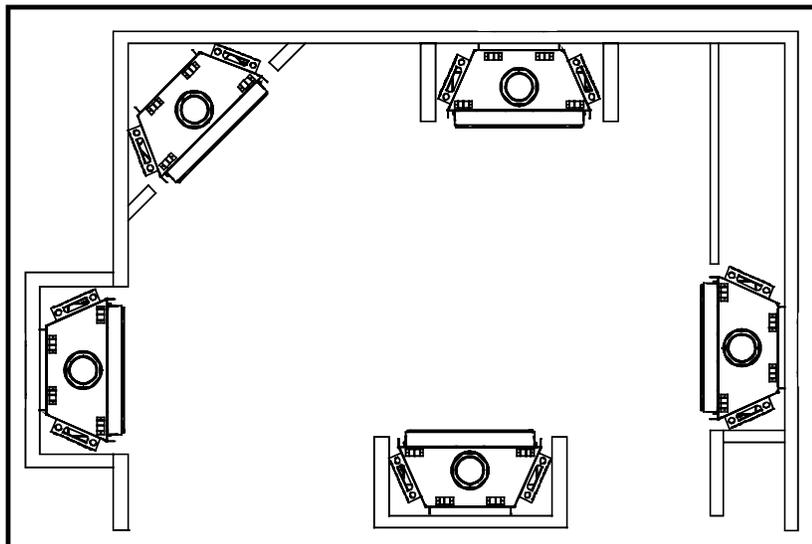


Figure 8: TC42D Possible locations.



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.

If preferred, additional masonry type non-combustible material can be installed above and to the sides up to 4 1/2 inches proud of the appliance. The finishing material must not interfere with glass 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 page 11 & page 12 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 backer board, such as cement board or its equivalent, must be used to sheet in the front of the fireplace, extending 12" above and 5 1/2" to the side of the framing edge bars. (Figure 10) Standard sheet rock (dry wall) may be used beyond this.

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

the framing kit be covered with 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 12 on page 9 BEFORE PROCEEDING.

NOTE:

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

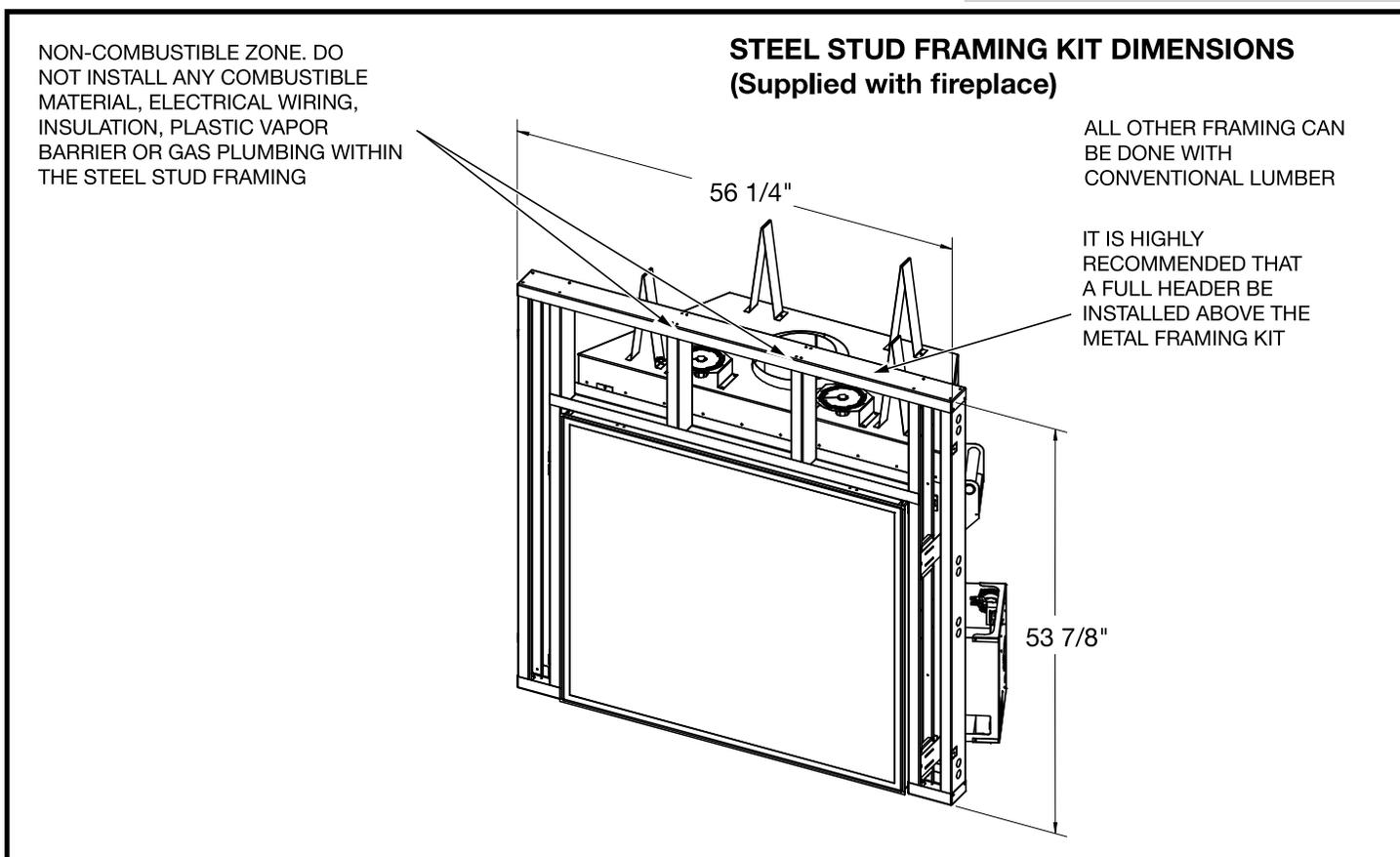
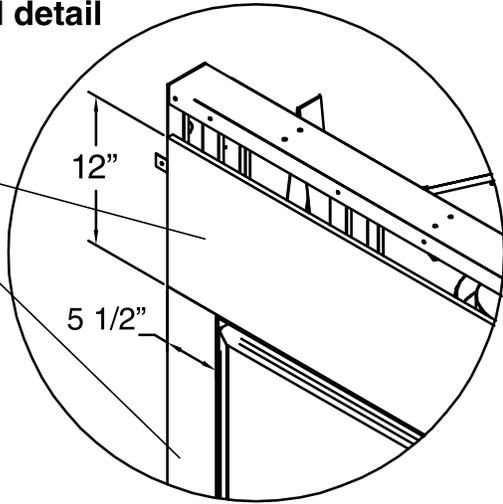


Figure 9: TC42D with supplied steel frame.

TC42D Minimum Combustible Framing Dimensions

Non-combustible board detail

NON-COMBUSTIBLE BOARD



NON-COMBUSTIBLE MATERIALS MUST EXTEND 12" ABOVE AND 5 1/2" TO THE SIDES OF THE FRAMING EDGES.

Figure 10: TC 42D Non combustible board dimensions.

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.

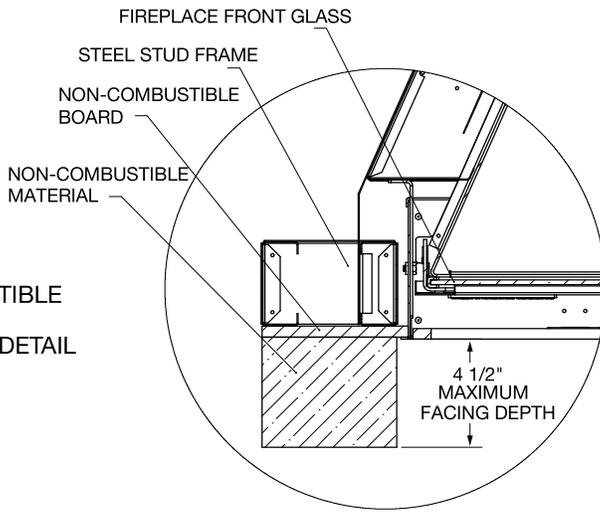
Calcium silicate board is a high grade material with cement, quartz and natural minerals as the main raw materials. (Note: Calcium Silicate is 1/2" thick)

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.

Recessed Installation

NON-COMBUSTIBLE RECESSED INSTALLATION DETAIL



Top - down view

Figure 11: Recessed installation detail.

NON-COMBUSTIBLE BOARD

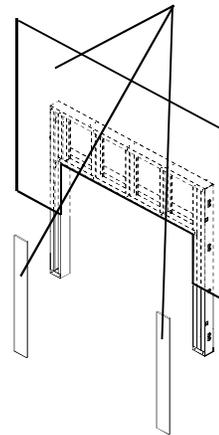


Figure 12: Non combustible calcium silicate board.

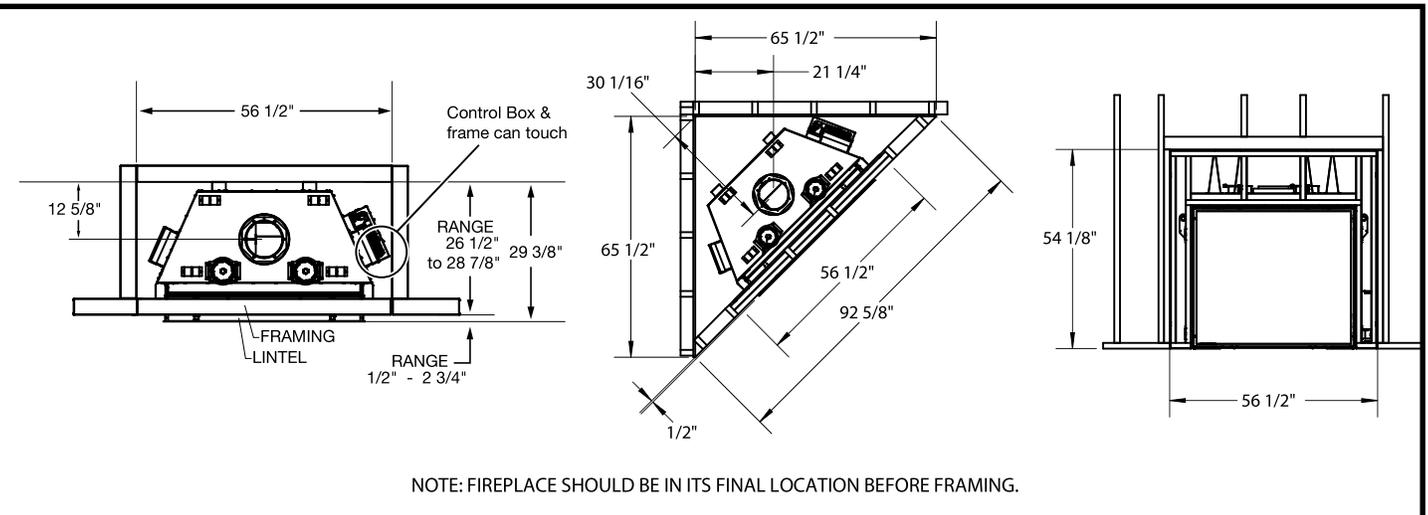


Figure 13: TC42D2 minimum combustible framing dimensions.



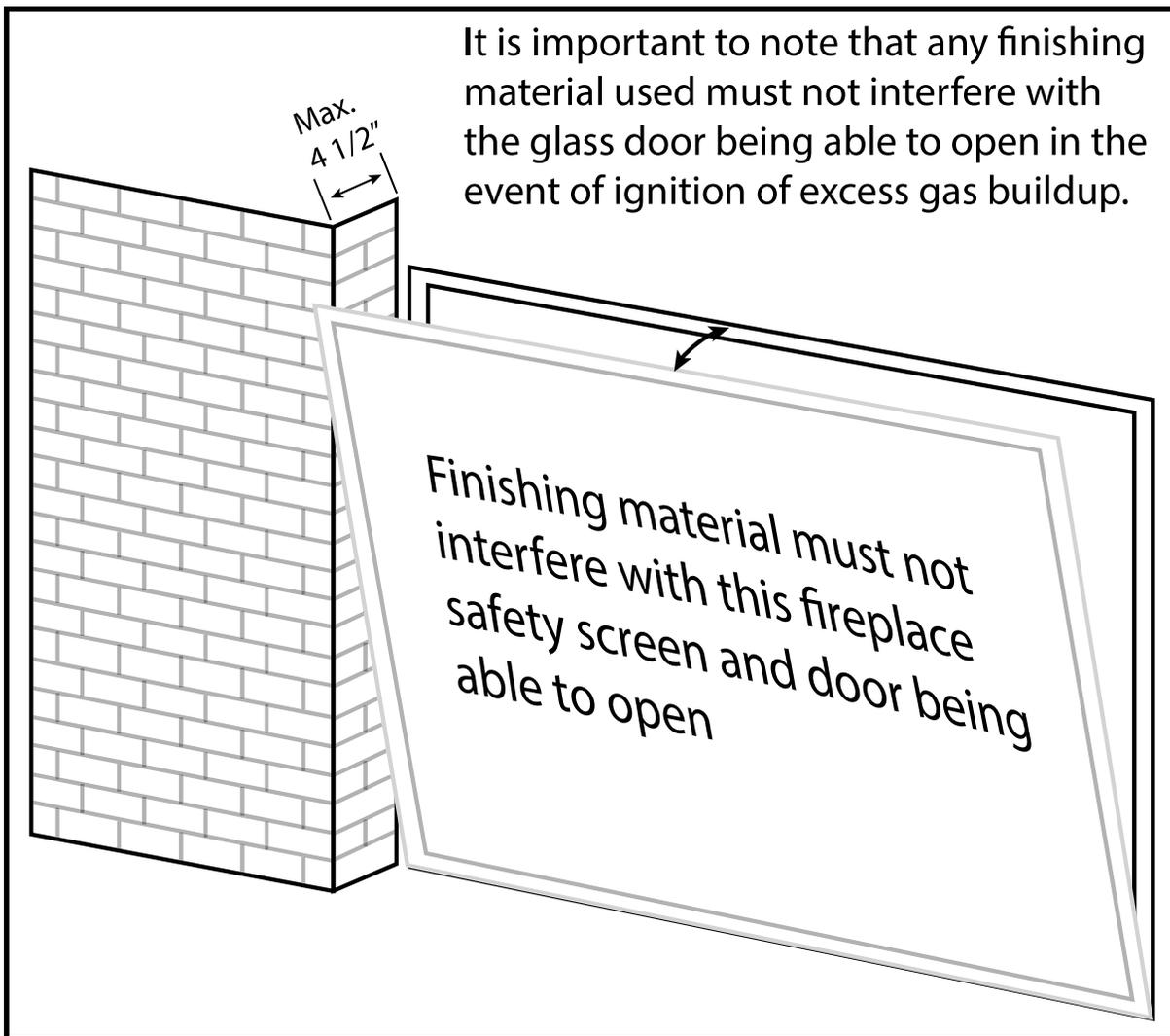


Figure 14: Recessed installation details.

TC42 Steel Stud Framing Kit

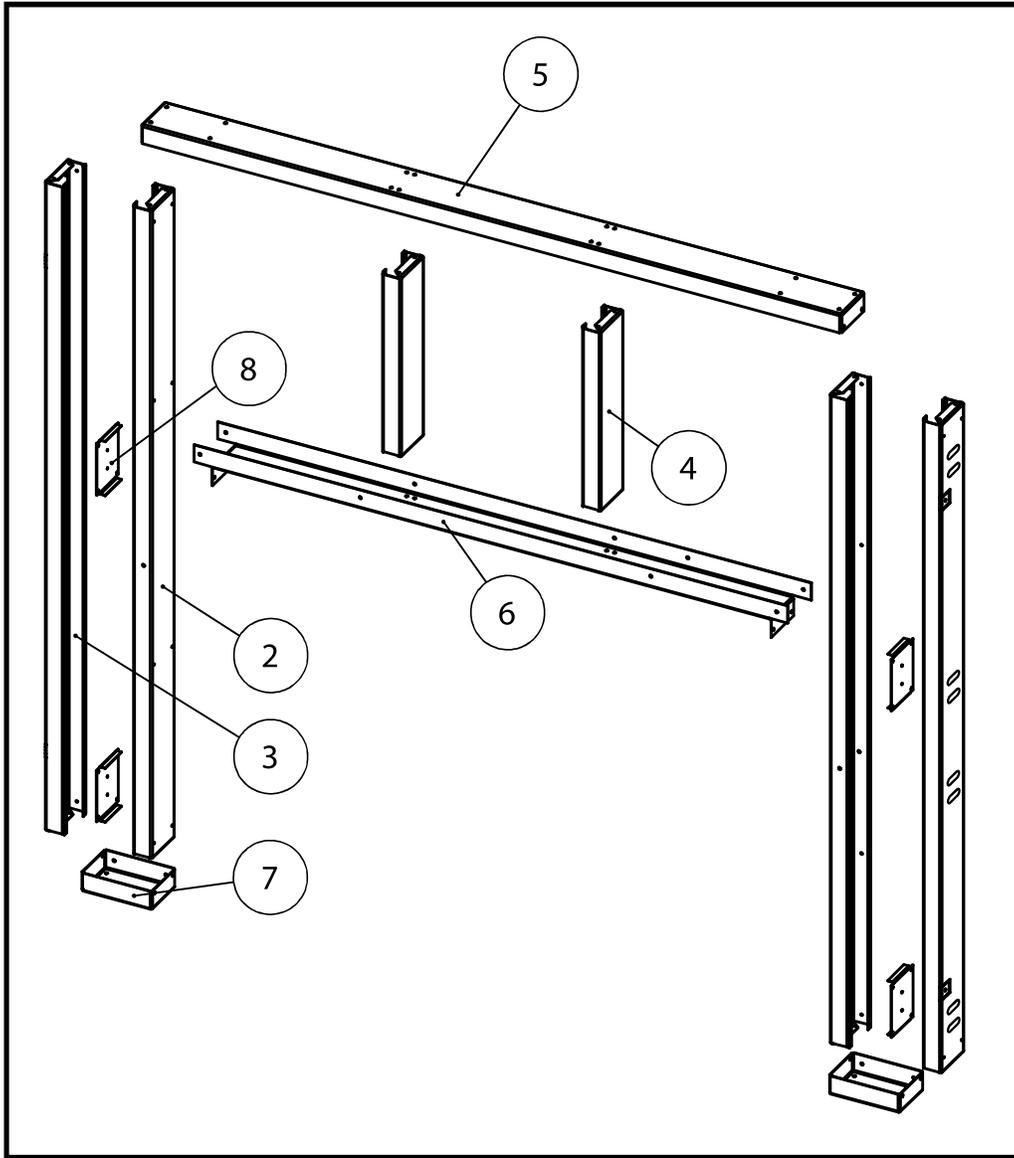


Figure 15: TC42D2 Steel frame parts.

Each Kit Contains:

ITEM	DESCRIPTION	QTY.
1	SCREW, TEKS #8 X 1/2 (NOT SHOWN)	PKG 40
2	SIDE STUD, VERTICAL INNER 53 3/4" L	2
3	SIDE STUD, VERTICAL OUTER 53 3/4" L	2
4	CENTER STUD, VERTICAL SHORT	2

ITEM	DESCRIPTION	QTY.
5	STUD, HEADER HORIZONTAL 58 1/4" L	1
6	STUD PLATE, HORIZONTAL	1
7	BASE PLATE	2
8	FRAMING PLATE	4



Steel frame assembly instructions

1. Top Frame Assembly

Lay out the horizontal header stud (5) on a large flat surface. (Position all pieces on their narrow edges as shown in the illustration (Figure 15).

Position the two 15 1/2" center studs (4) perpendicular to the horizontal header stud, and align with the two innermost sets of screw holes. Fasten with the screws (1) provided.

Position the 41 1/4" horizontal stud plate (6) at the bottom end and perpendicular to the vertical center studs (4). Align the bottom ends of the vertical center studs to the two innermost sets of screw holes and fasten with the screws provided.

2. Attach Side Studs (Legs)

Lay the inner vertical side studs (2) so that it's top end aligns with the 2nd set of screw holes of the header stud (5). The side stud should attach to, and be perpendicular to the 41 1/4" stud plate (6). Fasten with the screws provided.

Fasten the vertical outer side studs (3) to the ends of the horizontal header stud (5).

Position the base plate (7) at the bottom of the inner and outer side stud legs and fasten with the screws provided.

Turn the assembled frame over and install screws to the remaining fastening points.

3. Attach the Assembled Frame to the Unit

Align the assembled frame to the unit framing brackets (Figure 16). Align the framing plates (8) to the fastening points through the access holes in the outer side studs (3).

4. Secure to Existing Framing

Secure the frame assembly to existing framing through the horizontal top stud (5) and the base plates (7).

5. Install Non-combustible Board

Use drywall screws to install the concrete board.

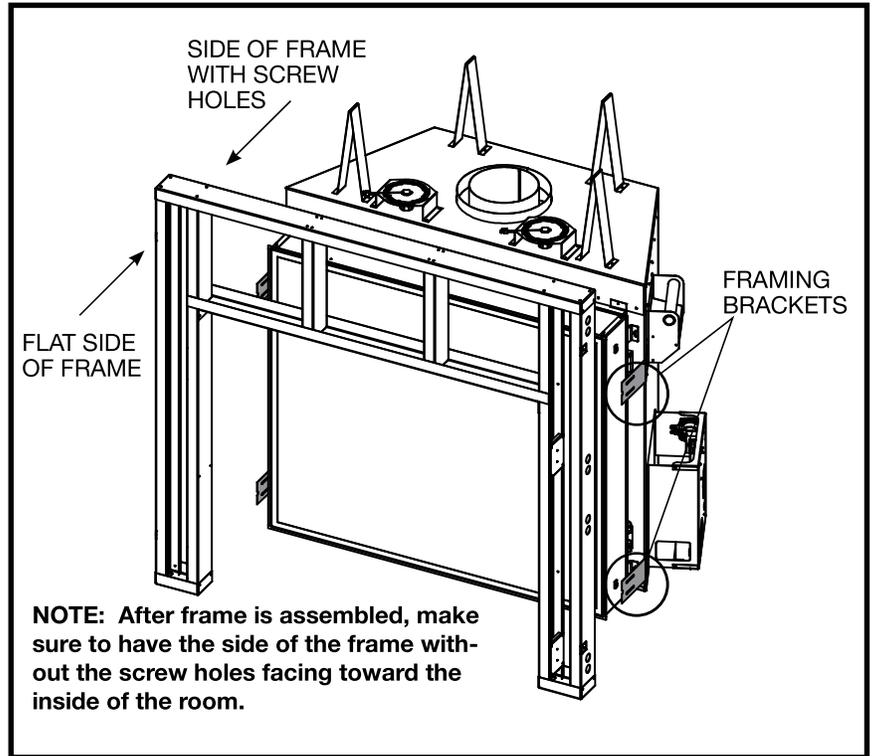


Figure 16: TC42 body with steel frame.

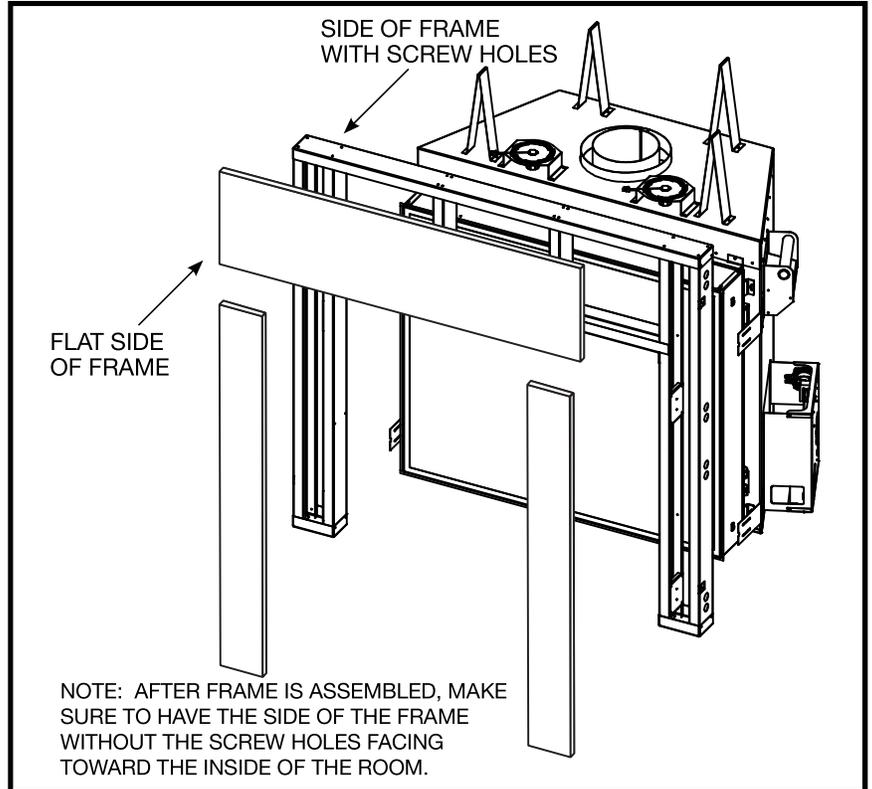


Figure 17: New TC42 updated body with cement board.

Framing Kit Adjustment

The lintel on the TC42D2 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 14.

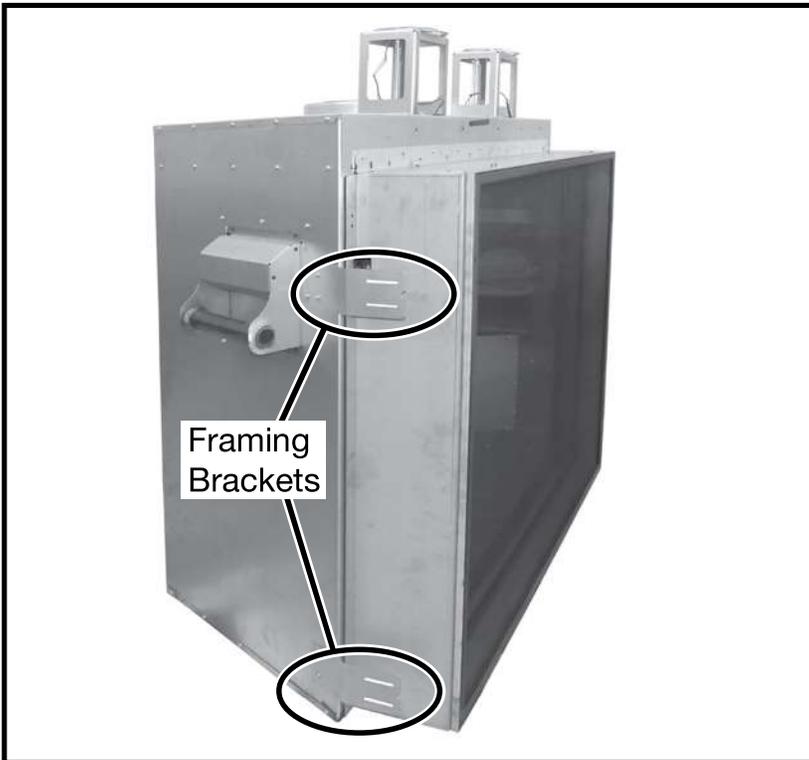


Figure 18: TC42D2 Fixed lintel.

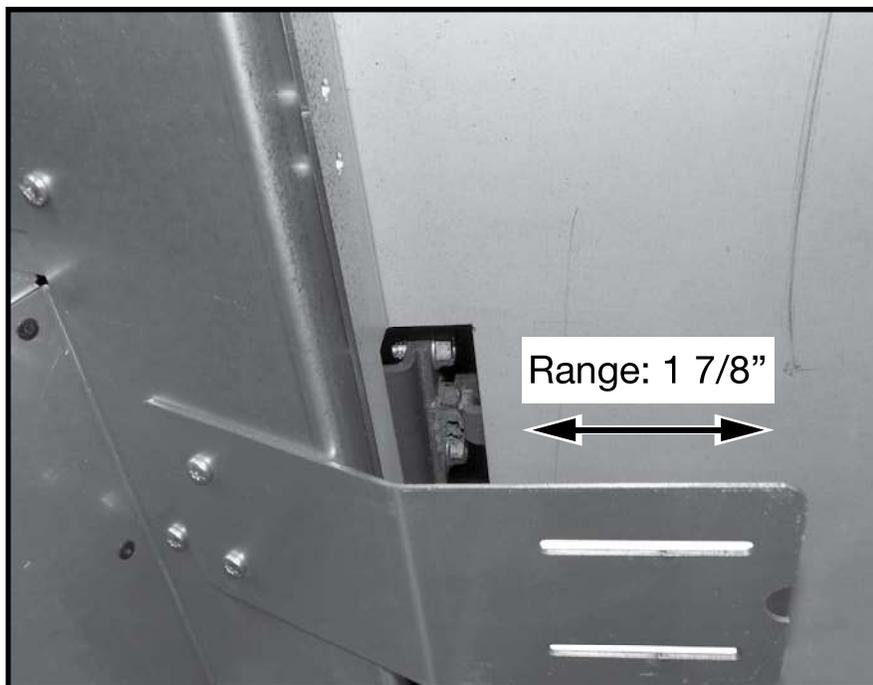


Figure 19: Framing bracket.



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 10: TC 42D Non combustible board dimensions.” on page 9.

The fireplace can accommodate facing material thickness from 1/2 of an inch to 2 1/4 inches 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.

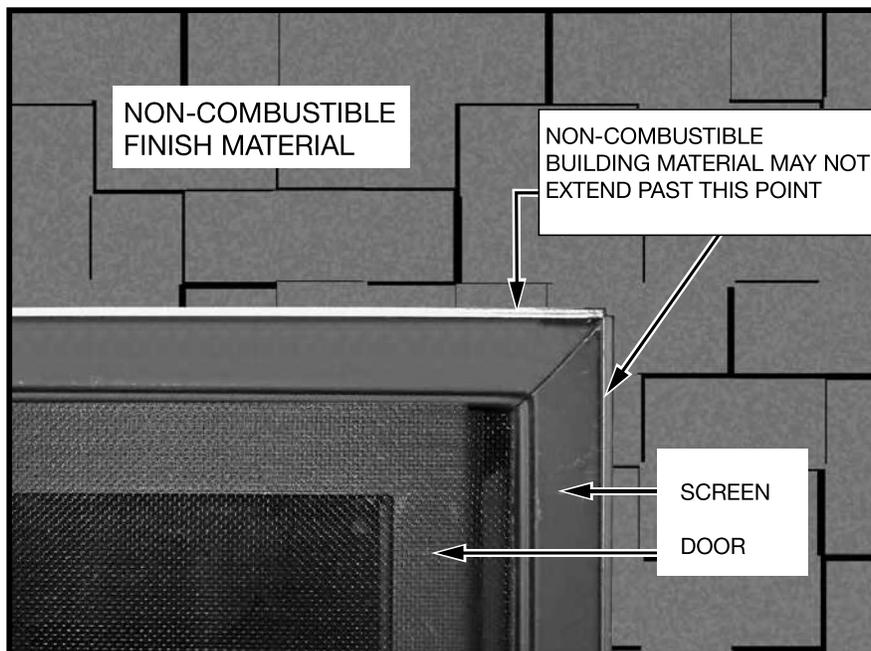


Figure 20: Facing edge location.

Hearth Extension

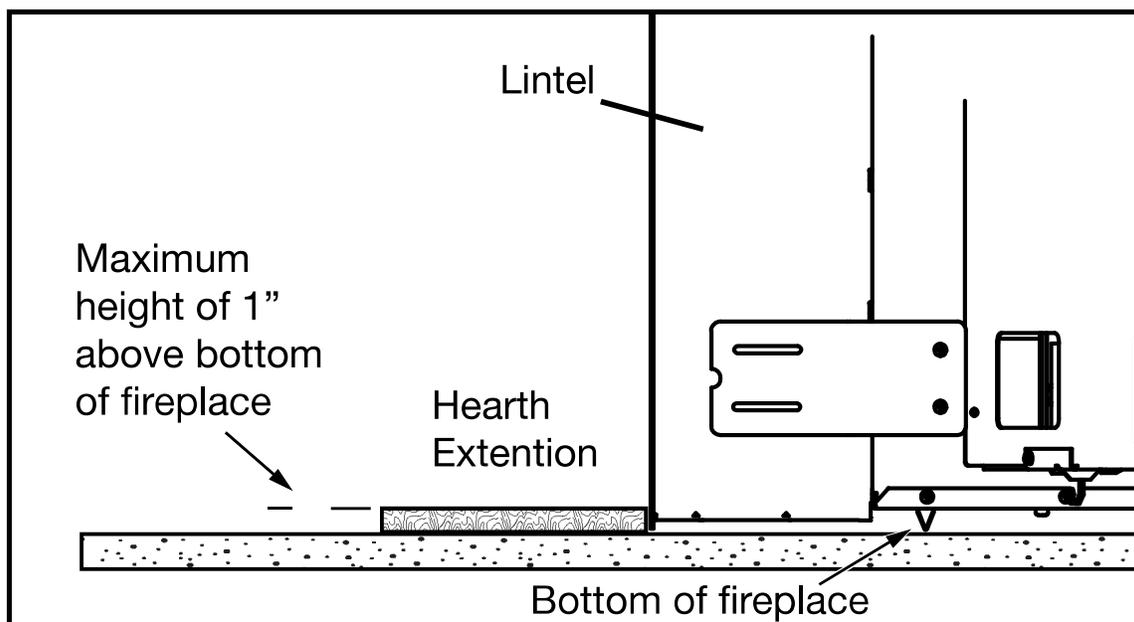


Figure 21: TC42D Hearth extension.

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.