



MUST READ BEFORE

FRAMING



IMPORTANT INFORMATION



Town & Country

TC30 Series D2 (IPI)

FRAMING

DIMENSIONS

SPECIFICATIONS

**QR LINK FOR
PDF DIGITAL COPY
OF SPECIFICATIONS:**

Fireplace Dimensions

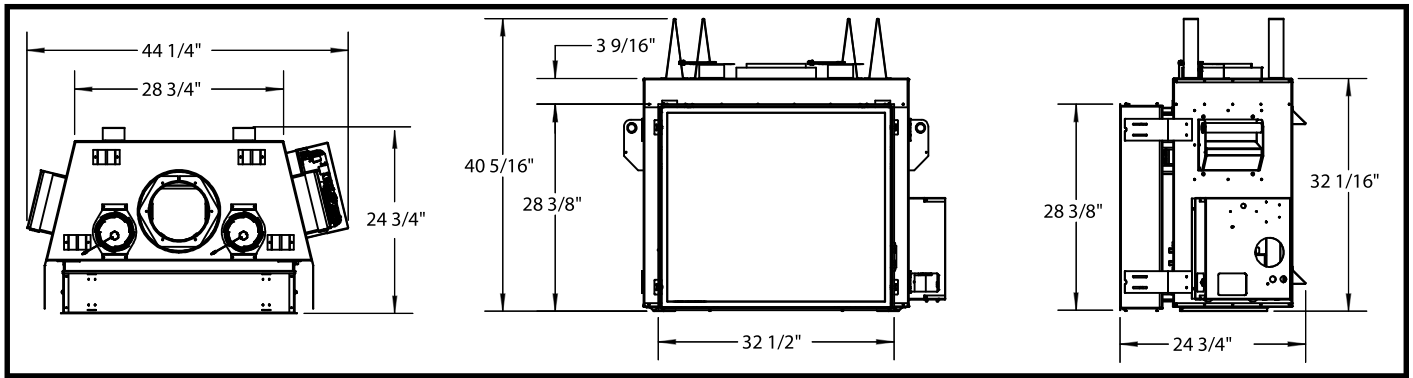


Figure 1: TC30 Dimensions.

Minimum Clearances to Combustible Material

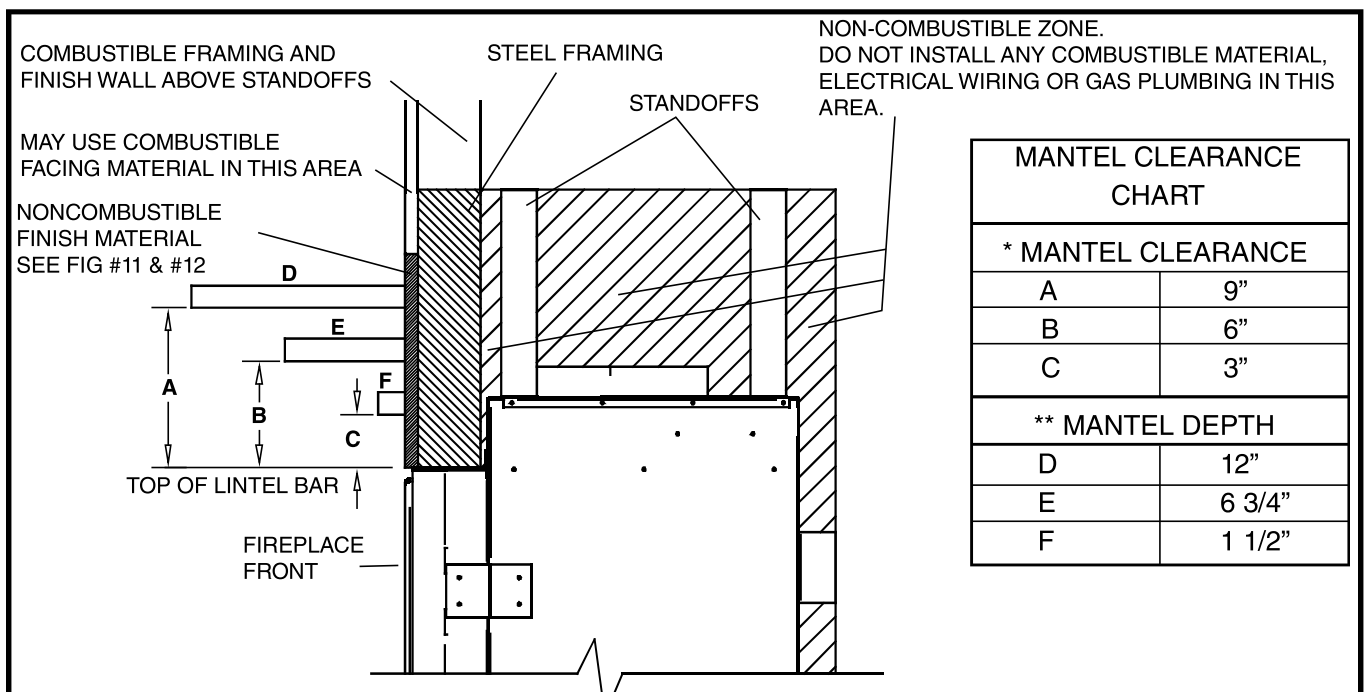


Figure 2: TC30 Mantle clearances.

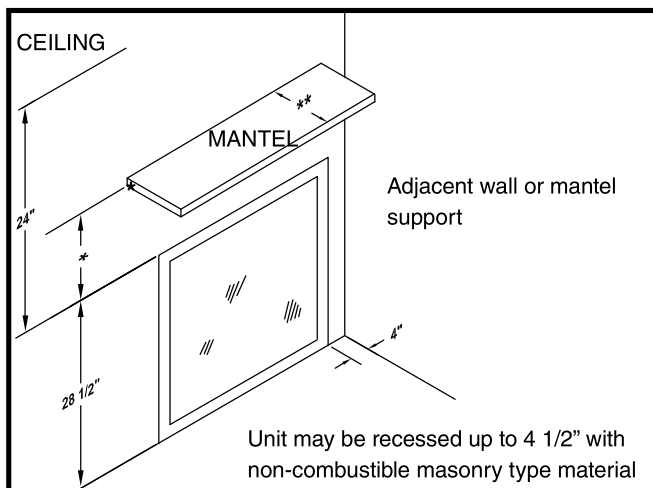


Figure 3: TC30 Mantle.

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)

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 See 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 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.

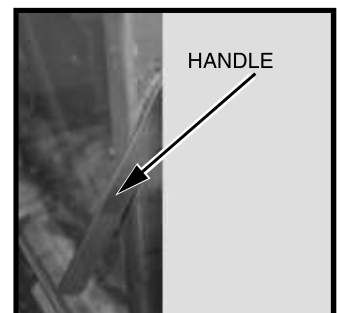


Figure 6: Handle.

Top Standoffs

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

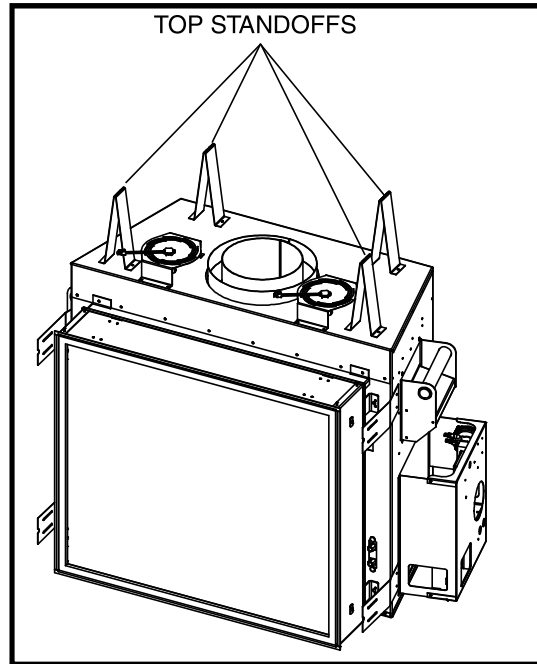


Figure 7: TC30 Standoffs.

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 Figures 2 & 3.

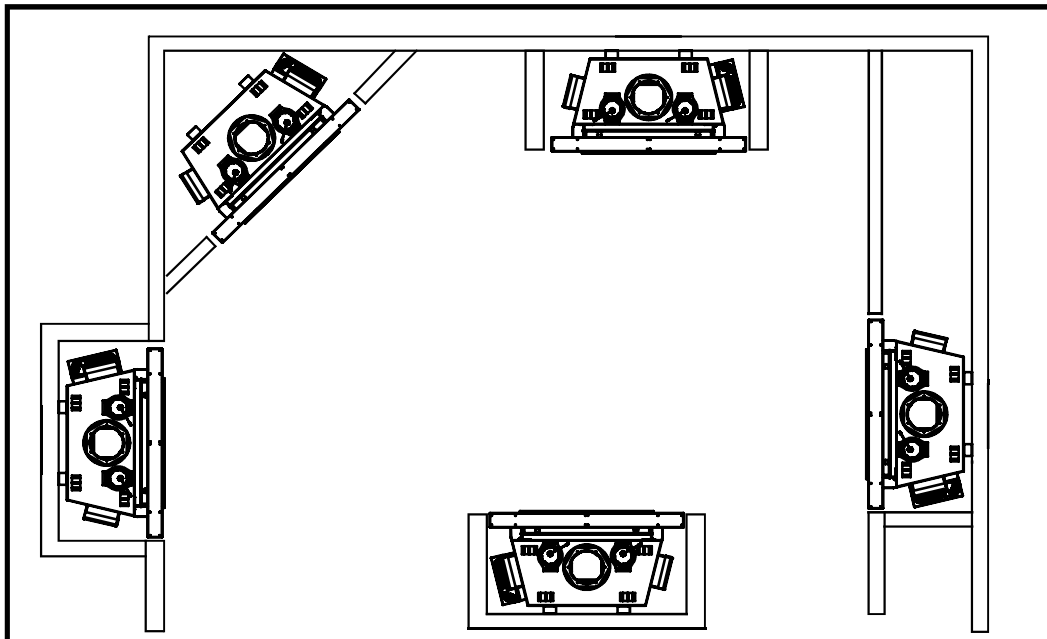


Figure 8: TC30 Common locations.

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 $\frac{3}{4}$ " 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 up to 6 inches proud of the appliance.

The finishing material must not interfere with glass frame access or movement.

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 11 & 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 it's equivalent must be used to sheet in the front of the fireplace, extending 12" above and $5\frac{7}{8}$ " to the side of the framing edge bars (Figure 12). 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 the instructions in (Figure 15) be followed closely.

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 15) BEFORE PROCEEDING.

NOTE:

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

(See "Ceiling Firestop:" on page 25).

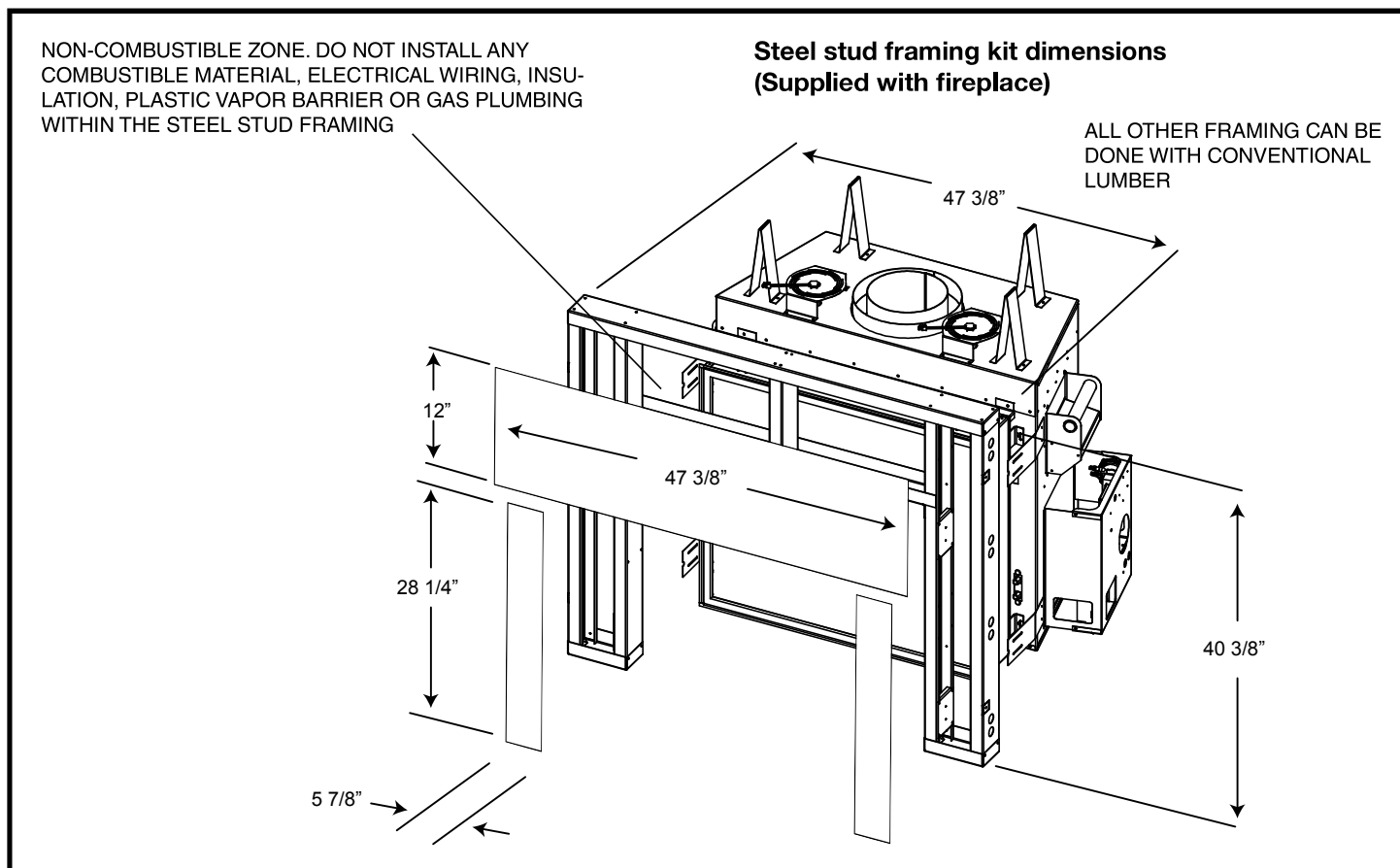


Figure 9: TC30 Framing kit dimensions.

TC30 Minimum Combustible Framing Dimensions

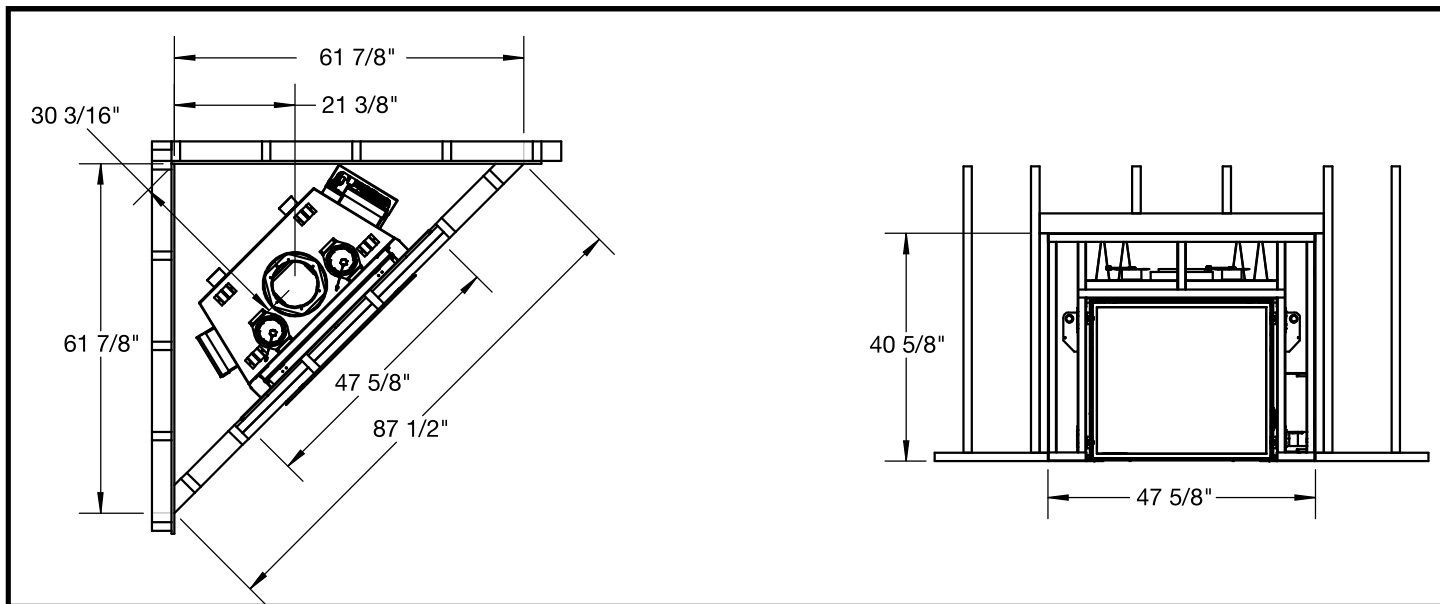


Figure 10: TC30 Minimum Combustible Framing.

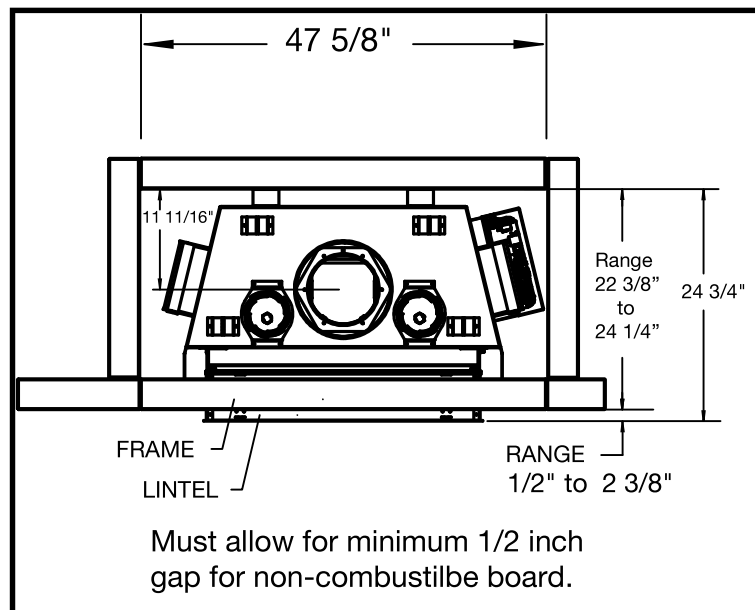


Figure 11: Combustible framing.

Non-combustible board details

NON-COMBUSTIBLE BOARD

NON-COMBUSTIBLE materials must extend 12" above and 5 7/8" to the sides of the framing edges.

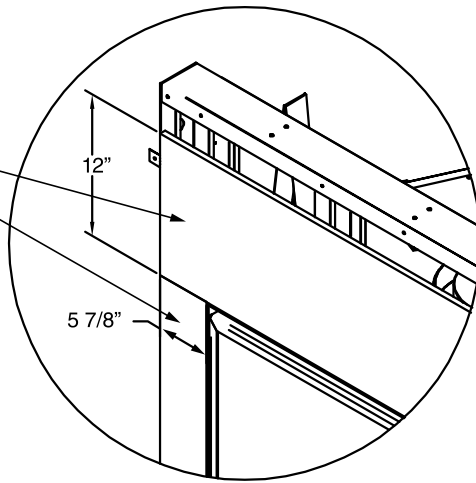


Figure 12: TC30 Non combustible board dimensions.

Non-combustible recessed installation detail

NON-COMBUSTIBLE BOARD

STEEL STUDS

NON-COMBUSTIBLE MASONRY TYPE MATERIAL

4 1/2"

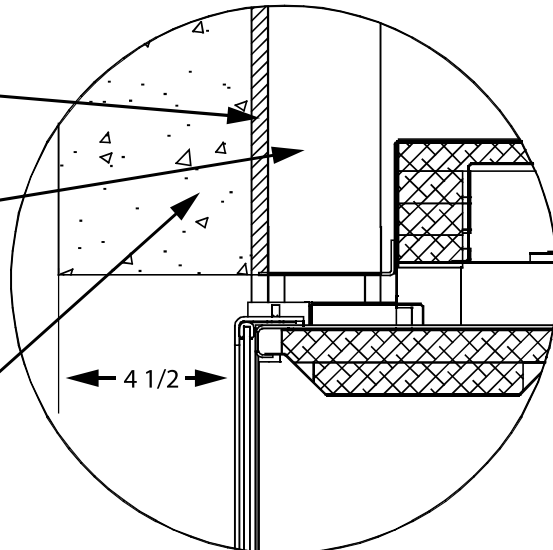


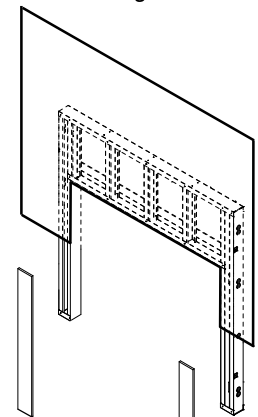
Figure 13: Recessed installation detail.

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 15: Non-combustible material.

Max. 4 1/2"

Finishing material must not interfere with this fireplace safety screen and door being able to open

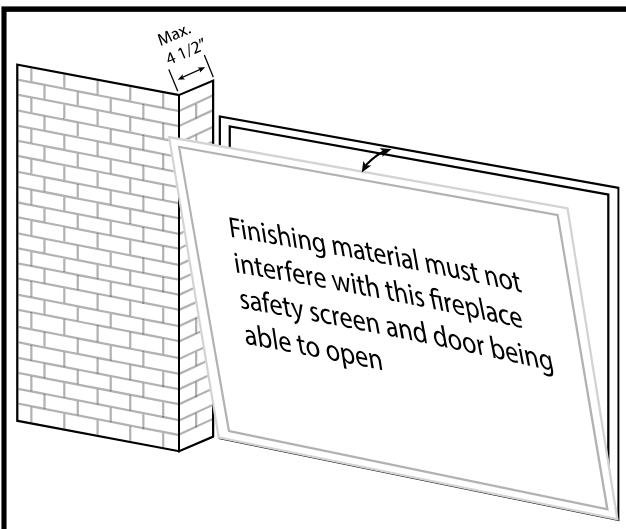


Figure 14: Recessed detail.

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.

TC30 Steel Stud Framing Kit

Each Kit Contains:

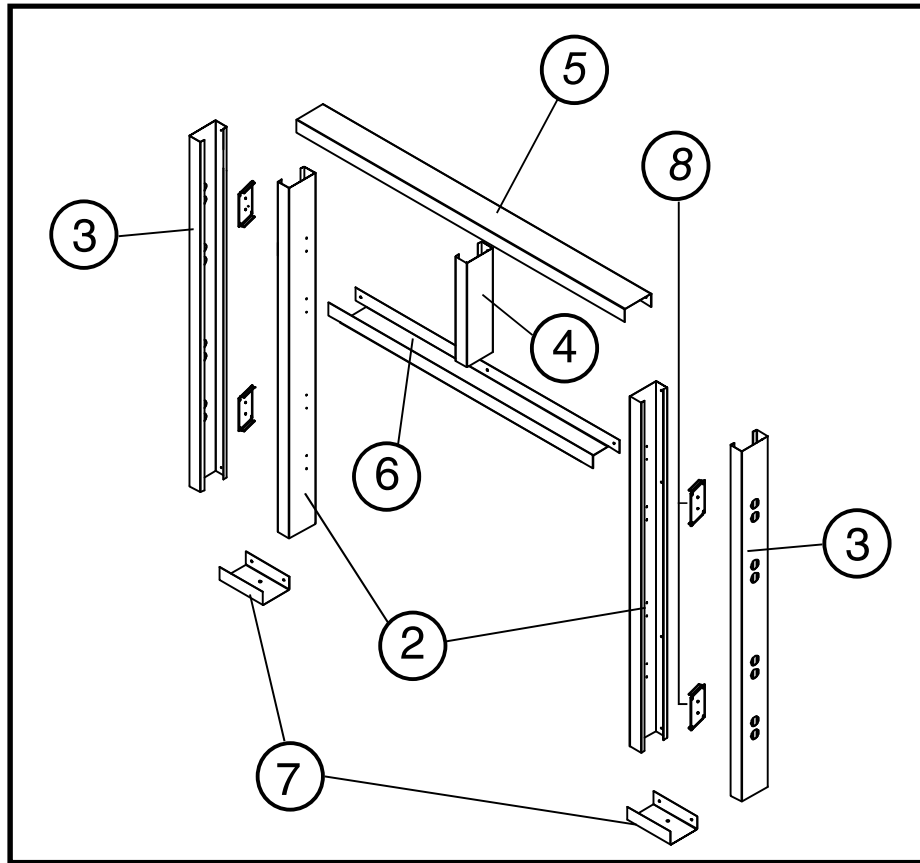


Figure 16: TC30 Framing kit parts.

Item	Description	Qty
1	Screw, Teks #8 x 1/2" (Not Shown)	Pkg 40
2	Stud, Sides Inner, 40 1/4" L	2
3	Stud, Sides Outer, 40 1/4" L	2
4	Stud, Center, 12" L	1
5	Stud, Header Horizontal, 43 1/2" W	1
6	Stud, Plate Horizontal 35 1/16" W	1
7	Base Plate 5 3/4" L	2
8	Framing Plate	4

CAUTION

Edges are sharp, always wear gloves when working with sheet metal.

1. Top Frame Assembly (Figure 16).

- Lay out side studs (2) and center stud (4) on a large flat surface.
- Using the screws provided (1), attach the header stud (5) and the plate stud (6) to the center stud (4).

2. Attach Side Studs (Figure 16).

Fasten the Inner side studs (2) to the header (5) and plate (6) studs.

- Attach the outer side studs (3) to the top of the header stud (5)

Fasten the outer side studs (3) at the bottom using the base plates (7).

3. Attach the Assembled Frame to the Unit

- Align and secure the framing plates (8) to the frame so that they are in line with the framing brackets on the fireplace unit (Figure 17). Align the assembled frame to the unit framing brackets (Figure 17). Attach at 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 stud header (5) and the stud plates (7).

5. Install non-combustible Board Top and Sides

- Use drywall screws to install the non-combustible board top and sides (Figure 18).

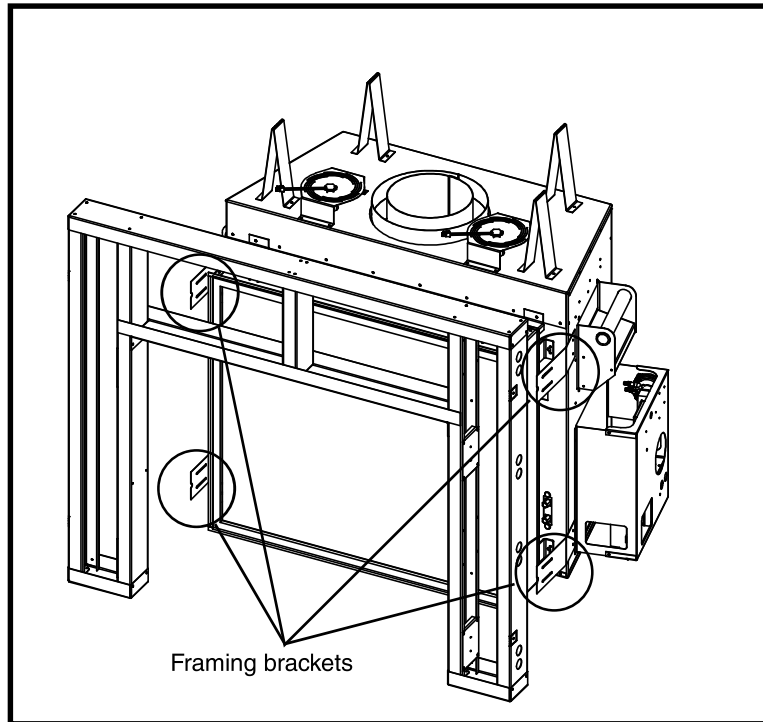


Figure 17: TC30 Framing brackets.

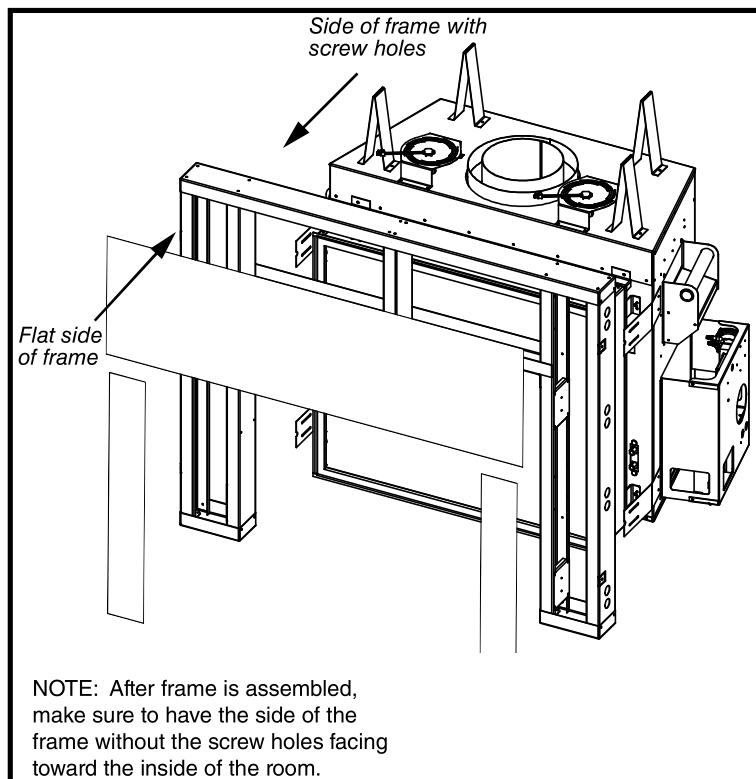


Figure 18: Combustible boards.

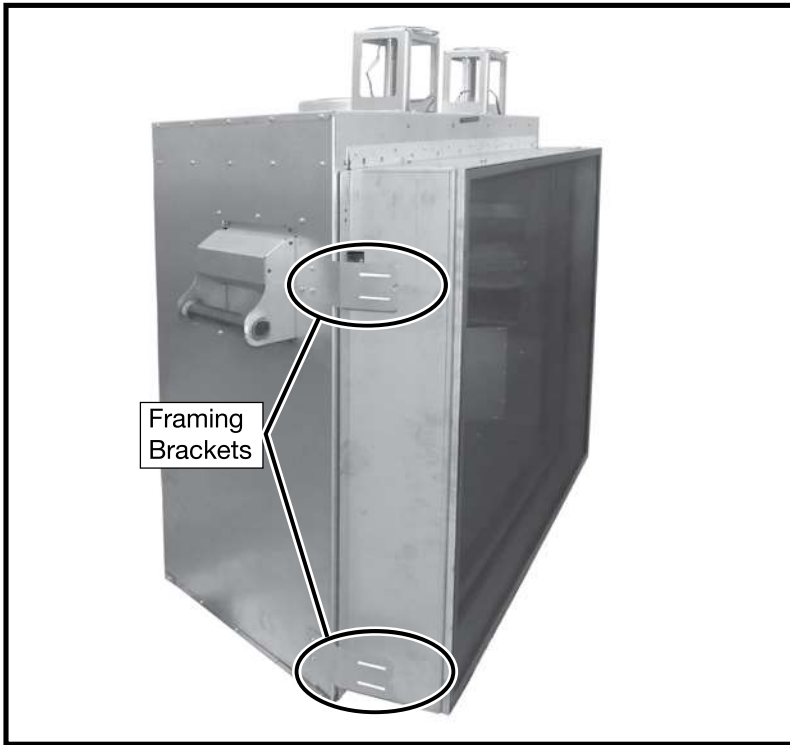


Figure 19: TC30D2 Fixed lintel.

Framing Kit Adjustment

The lintel on the TC30D2 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.

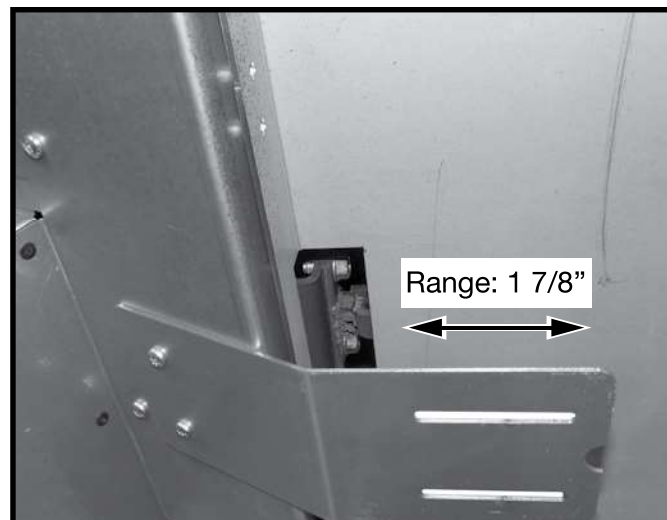


Figure 20: Framing bracket.

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 "Recessed detail." on page 10).

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.

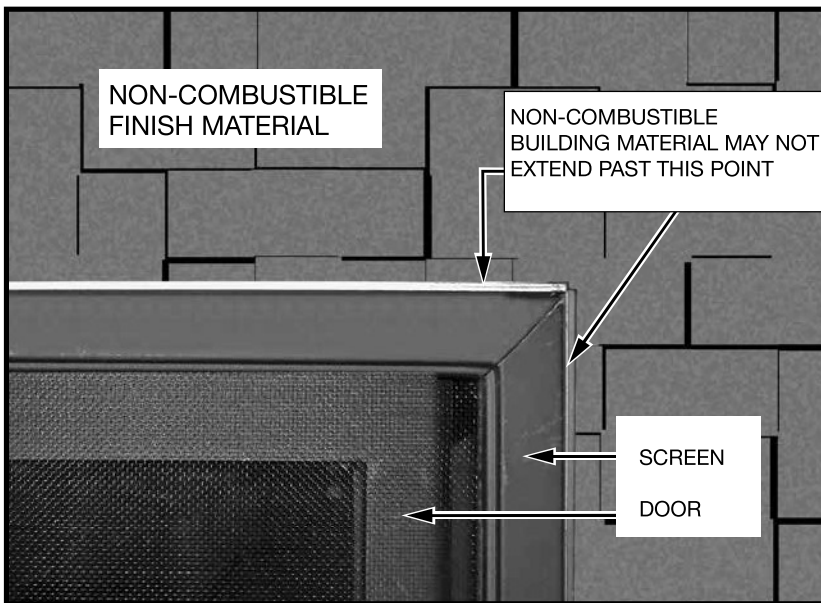


Figure 21: Facing edge location.

Hearth Extension

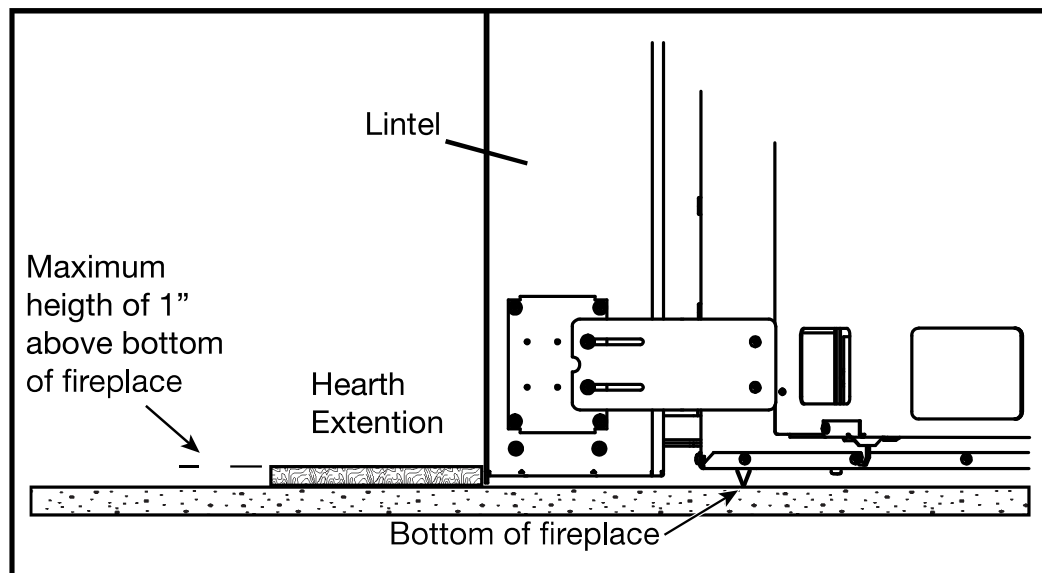


Figure 22: TC30.D Hearth extension.

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 discolouration, 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 door frame when opening.