

Infinite Series

Installation Instructions

Model Numbers: MQRB4436N, MQRB4436NE, MQRB4436LP, MQRB4436LPE
MQRB5143N, MQRB5143NE, MQRB5143LP, MQRB5143LPE
MQRB6961N, MQRB6961NE, MQRB6961LP, MQRB6961LPE

Certified to: ANSI Z21.50-2014 • CSA 2.22-2014
ZERO CLEARANCE VENTED GAS FIREPLACE

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WARNING:

FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Leave the building immediately.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

 **WARNING:** If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

 **DANGER**



HOT GLASS WILL
CAUSE BURNS.
DO NOT TOUCH GLASS
UNTIL COOLED.
NEVER ALLOW CHILDREN
TO TOUCH GLASS.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

 **marquis**
COLLECTION | by Kingsman

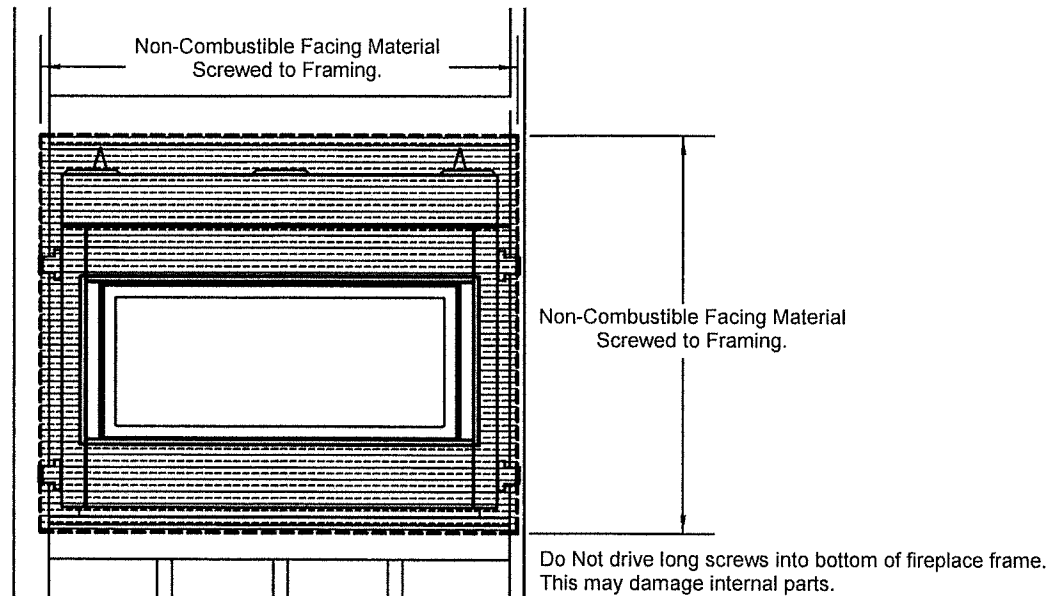


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Recommendations for Finishing of Clean View Linear Products

When finishing the wall around the fireplace, it is critical that the wall covering be fastened properly. It is acceptable to pre-drill holes and use self-tapping screws which may be used to fasten a backer for tile, marble, etc. Screws being installed through non-combustible board should be self-tapping type with a maximum length of 2 inches. Wall covering fasteners, such as screws or nails, are not permitted in some locations. Do not drill or install longer screws which may penetrate into the lower cover panel area as this may damage internal components.

- Only **non-combustible** materials may be used over the face of the appliance.
- We recommend that DUROCK (non-combustible material) be tied in to the entire perimeter of the fireplace for durability.



Finishing Recommendations (Obtained from professional construction contractors and finishers):

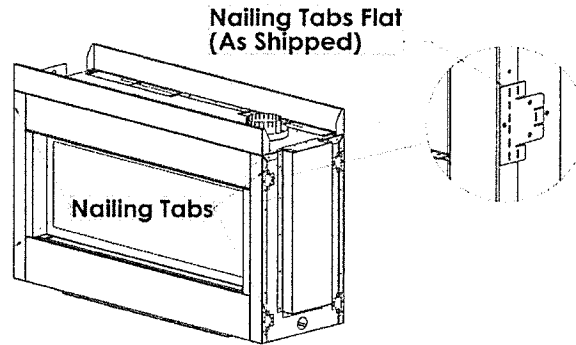
- Minimum of 1/2" DUROCK cement board (this **non-combustible** panel is ULC listed as a wall shield/floor protector) and fasten to the entire perimeter framing.
- Use fiberglass (mesh) tape for all joints in area of the fireplace.
- Use Yellow joint mud (contains high amounts of glue) – two coats, finishing with one coat of green topping mud, sand and prep for painting.
- If not using a surround, a metal "L" Trim may be used to finish perimeter of DUROCK.
- Running the fireplace before final finishing will help drive out moisture.
- Always use tape over joints.
- Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.
- Pre-drill holes and use self-tapping screws.
- Refer to the following website for more information on using DUROCK Cement Board: www.cgcinc.com

OTHER NOTES:

- A **full single sheet** of non-combustible board (no joints) above the unit is recommended if possible.
- It is preferred to attach the non-combustible board to **framing only** and not directly to the unit to allow for expansion and contraction during normal operation.
- Lighter colored painted surfaces may discolor due to heat exposure.

MQRB4436 / MQRB5143 / MQRB6961 Nailing Tab Guide

[Qty] 2 Nailing Tabs are located on each corner of the fireplace.

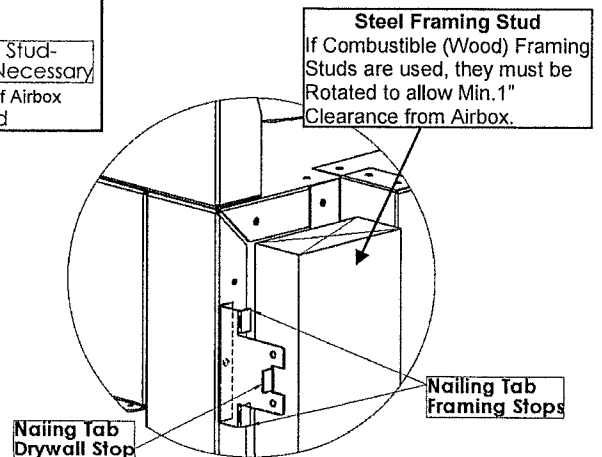
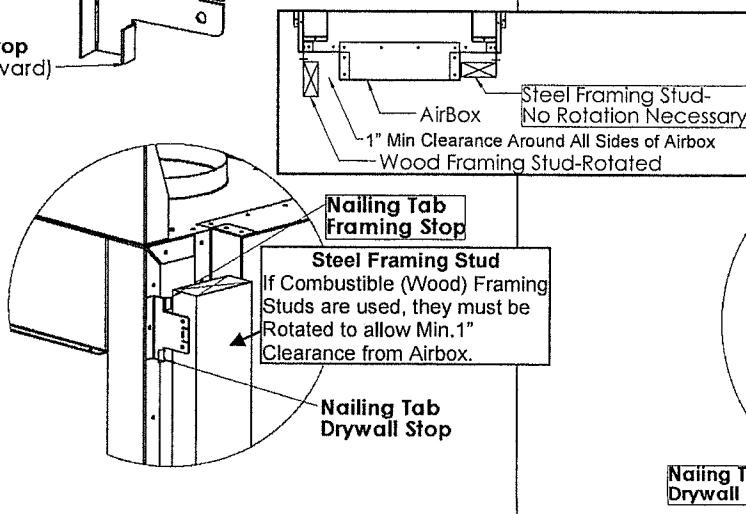
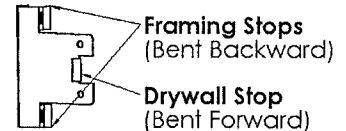
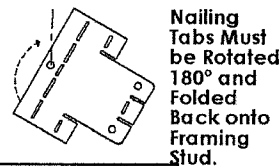
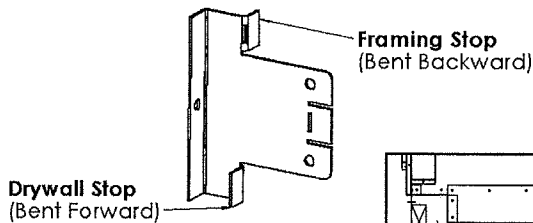
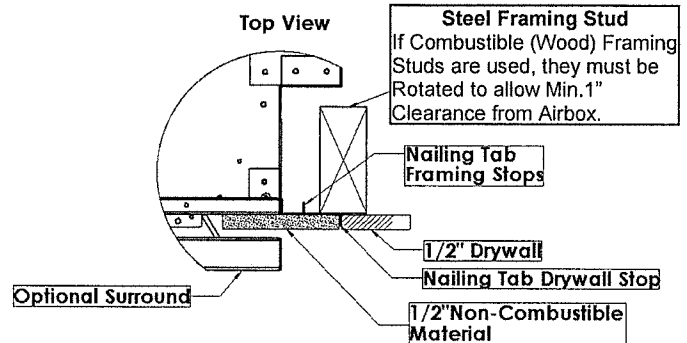
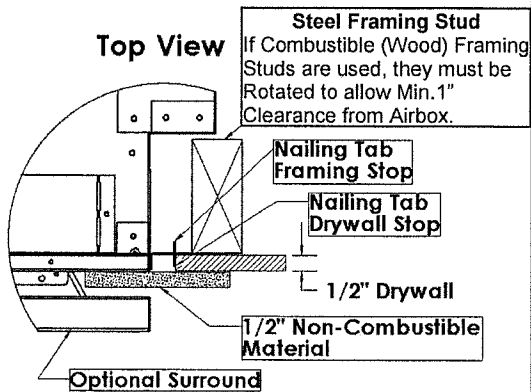


The Nailing Tabs on the MQRB4436, MQRB5143 or MQRB6961 can be used in two ways:

1/2" Drywall Flush with Face of Fireplace –Fireplace and Combustible Wall to be covered with Non-Combustible Materials (e.g. Tile around Fireplace).
Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

Framing Flush with Face of Fireplace -Fireplace to be covered with Non-Combustibles (e.g. Concrete Board) for **Flat Wall** appearance.
Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

[Steel Stud Framing Shown.]



MQRB6961: Framing Your Gas Fireplace

This section is intended for qualified installers only. Before beginning, make note of where the gas and electrical accesses are located on the unit. This will streamline the construction process. Furthermore, familiarize yourself with the venting and clearance requirements (see Venting section) for this appliance. Failure to comply with those requirements can seriously compromise the safety and operation of the fireplace.

Specifications

1. Cold climate installation recommendation: When installing this fireplace against non insulated exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall & vapor barrier must be installed over insulation to prevent contact of insulation and unit.
2. Choose fireplace location and frame in accordance with the fireplace framing dimensions specified. Airbox on flue side must maintain Min. 1" Clearance from Combustible (Wood) Framing (see framing diagrams).
3. Drywall or other combustible material can extend up to the Drywall Stops located on the sides of the unit, and up to the bottom and top.
4. When installing horizontal with a 90 degree bend maintain a minimum of six and one half inches [6-1/2"] for MQRB6961 above the bend with the Wall Thimble Shield [Z57WTS] in enclosures below seventy-eight inches [78"]. See MQRB6961 Combustible Enclosure Heights page.
5. A Hearth is not required for this unit.

Vertical Venting in Cold Climates

In cold climate conditions where temperatures go below -10 degrees Celsius or 14 degrees Fahrenheit, we recommend that the chase be insulated and where the vent pipe enters into the attic space that the pipe be wrapped with an insulated Mylar sleeve. This will increase the temperature of the vent and help the appliance to vent properly in cold weather conditions.

It is also important in vertical vented direct vent appliances that the appliance be operated daily during the winter months as this will help stop the termination from freezing up. We recommend using a thermostat **[In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-Decorative)]**, set at room temperature to allow the unit to cycle.

For IPI models it may be necessary to set the appliance to Standing Pilot mode to maintain heat in the cavity. The purpose of this procedure is to prevent cold air from penetrating the chimney and then onto the living space. Therefore, when the internal temperature is slightly elevated the fireplace is able to freely exhaust its combustion and hence making it easier to startup.

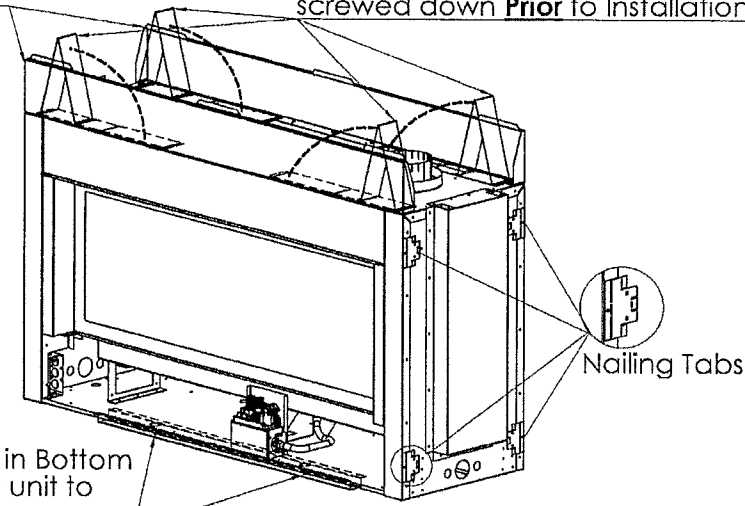
Certified for installation in a bedroom or bedsitting room. In Canada must be installed with listed millivolt thermostat **[In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-Decorative)]**. In USA see local codes.

Stand-off Locations

Make note of where the stand-off locations are. These stand-offs are provided as indicators to illustrate the boundaries for framing. Therefore, no framing material is permitted to extend beyond these stand-offs.

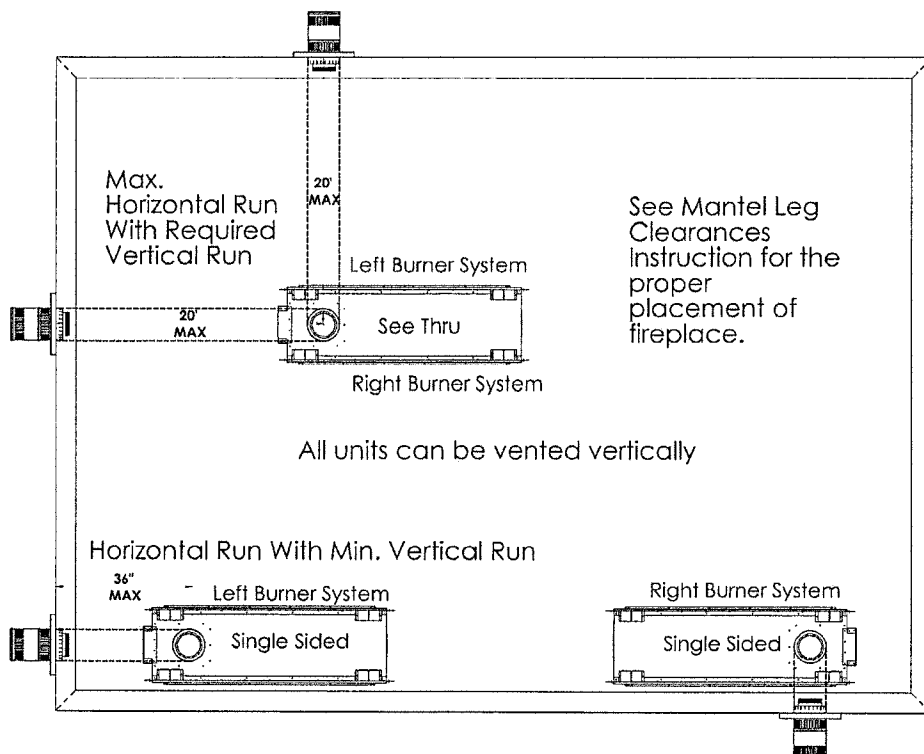
Both Header Panels must be attached to the top of the unit.

Caution: All 4 Standoffs on top of the unit must be folded into position & screwed down **Prior** to installation.

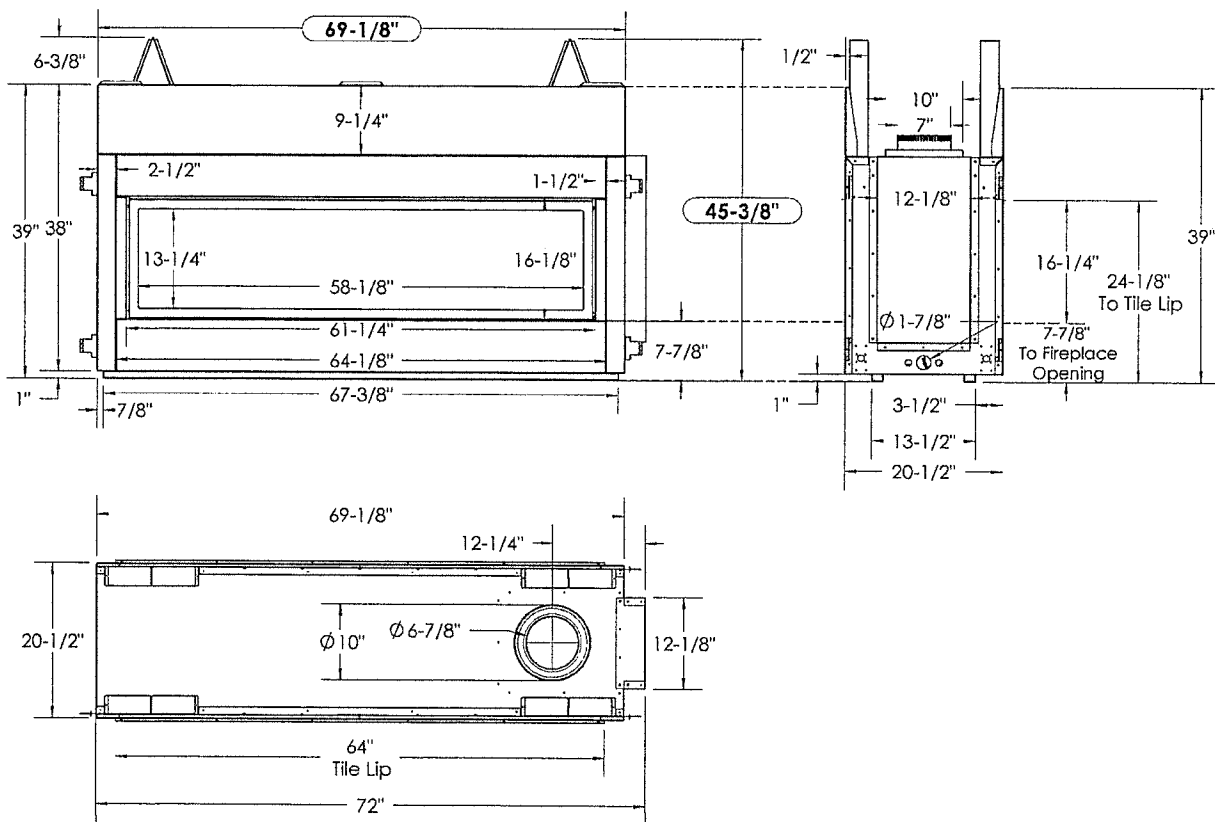


MQRB6961 Locating Your Appliance

All units are Factory Set for a Left Hand Burner System. Right Hand Burner System Requires Valve to be relocated to right side of unit.



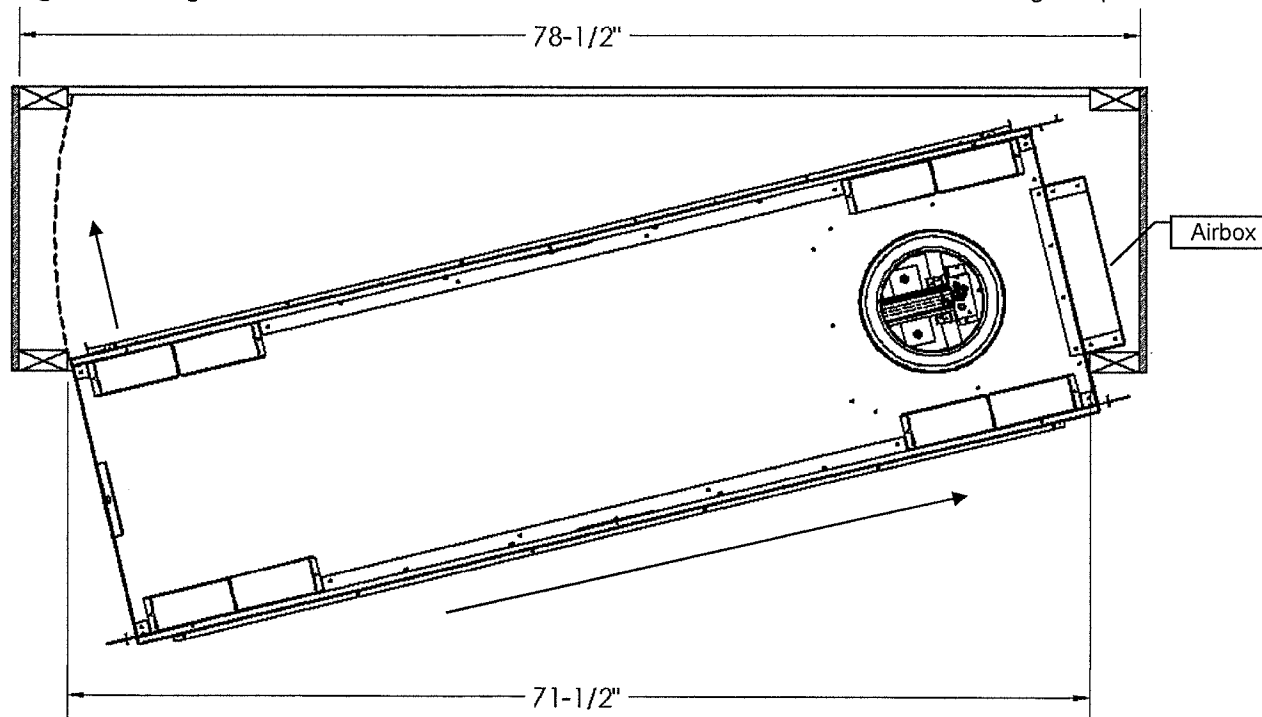
MQRB6961 Fireplace Dimensions



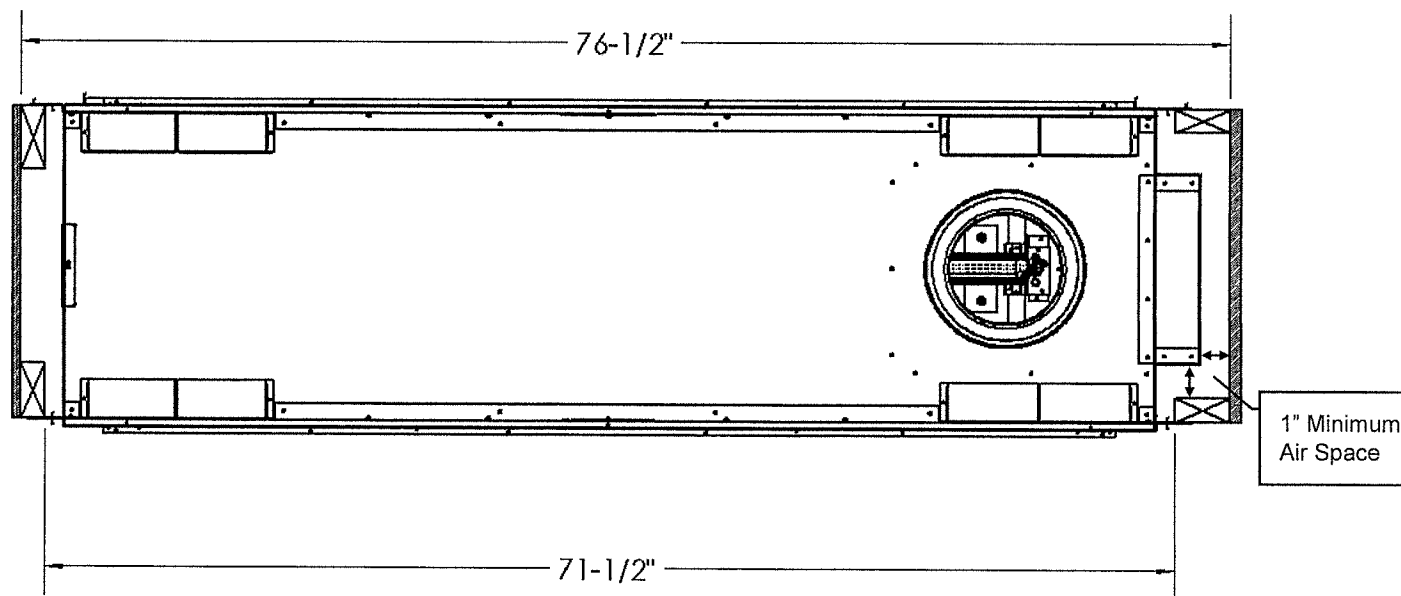
MQRB6961 - Pre-existing Enclosures vs Framing Enclosure Around Fireplace

Inserting Unit Into Pre-existing Enclosure: Enclosure must be $78\frac{1}{2}"$ inside width.

Opening should be greater than $71\frac{1}{2}"$ minimum. Insert airbox on side of unit first and swing into place.



Framing Enclosure Around Fireplace: If unit is in place before enclosure is built, minimum clearances for opening can be followed.



MQRB6961 See Thru Framing

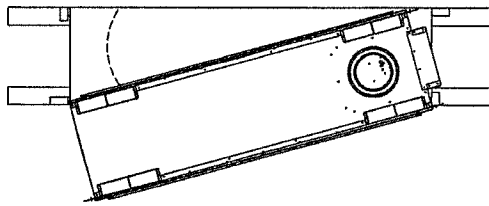
MQRB6961SK Kit is required for a See Thru Installation.

Before you begin Framing- Determine whether the **Wall Surface** will be flush with the face of the fireplace (Fireplace and wall to be covered with Non-Combustibles, such as tile), or the **Framing** will be flush with the face of the fireplace (Flat Wall appearance).

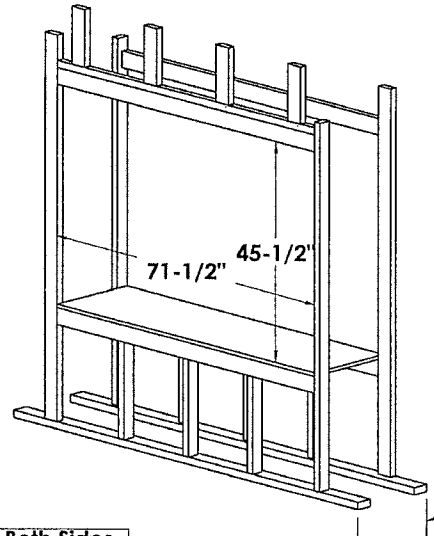
Note: If using optional surround, maximum thickness for non-combustible material is 3/4".

Framed Opening 71-1/2" x 45-1/2"

Framing style shown is for illustration purposes only.
This structure is NOT load bearing.
[Steel Stud Framing Shown]



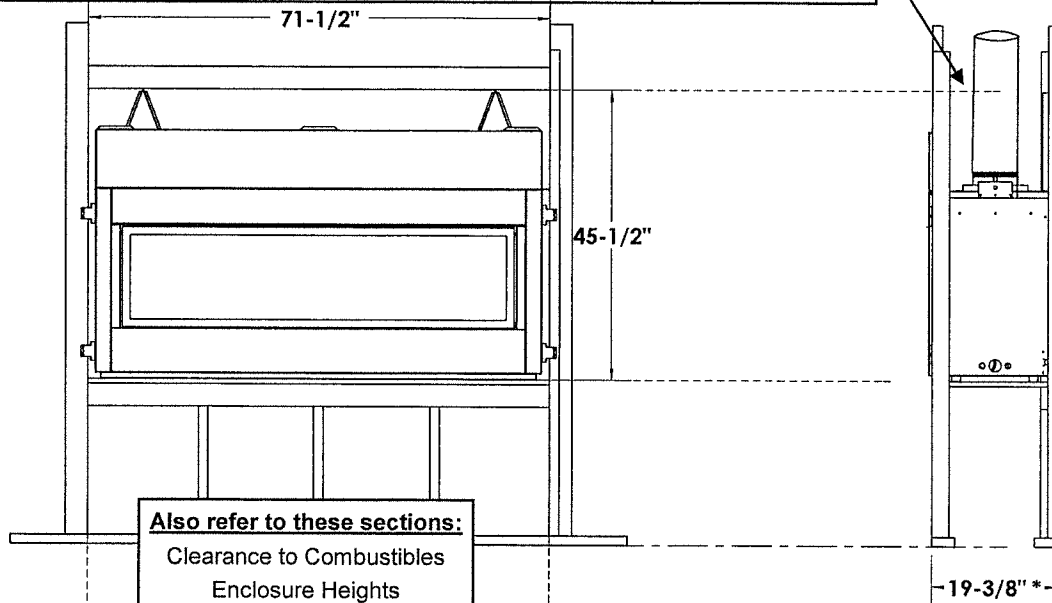
Parallel Park Unit into Framing.



* 19-3/8" Dimension is for Wall Surface Flush with Unit on Both Sides.
Add 1/2" to this Dimension for each side where a non-combustible wall surface will cover the unit (See Nailing Tab Guide Page Also).

19-3/8" *

Fireplace vent MUST maintain min. 1" clearance from combustible (Wood) framing.
However, if steel stud framing is used, 1" vent clearance is not required.

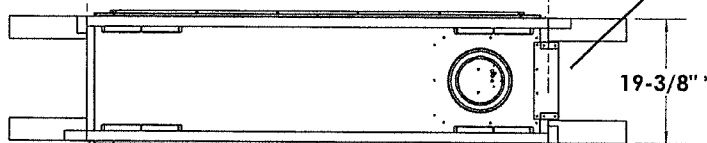


Also refer to these sections:

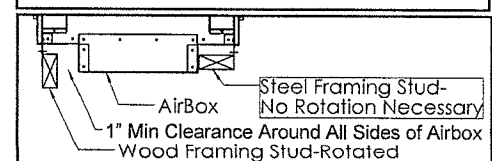
Clearance to Combustibles
Enclosure Heights
Venting

19-3/8" *

Note: If Combustible (Wood) Framing Studs are used, they must be rotated to allow Min. 1" Clearance from Airbox.



19-3/8" *

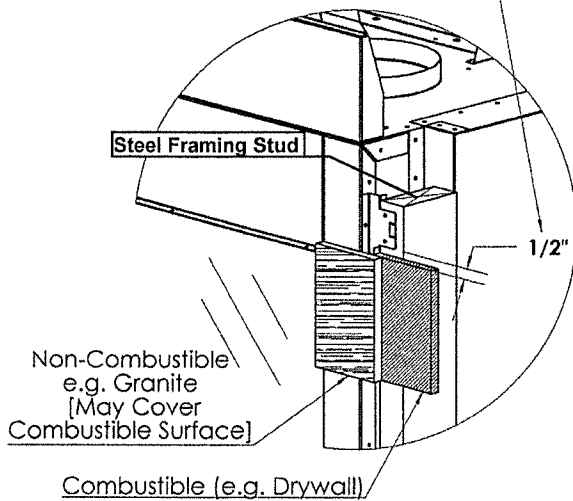


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Wall Surface Flush With Face of Fireplace

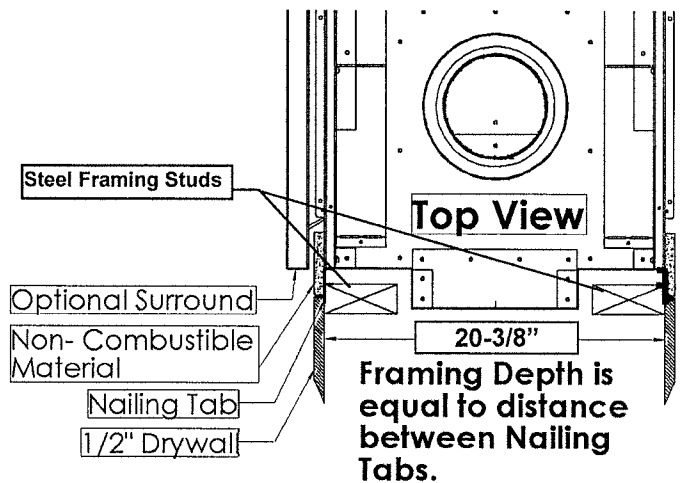
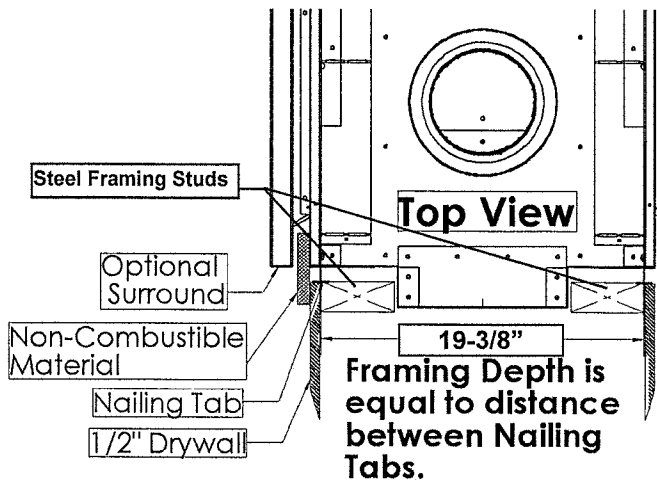
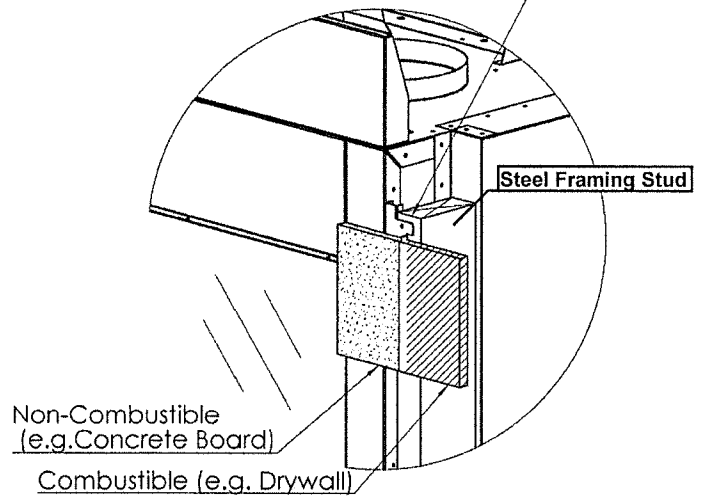
[Steel Stud Framing Shown.]

Framing is 1/2" From Face of Unit



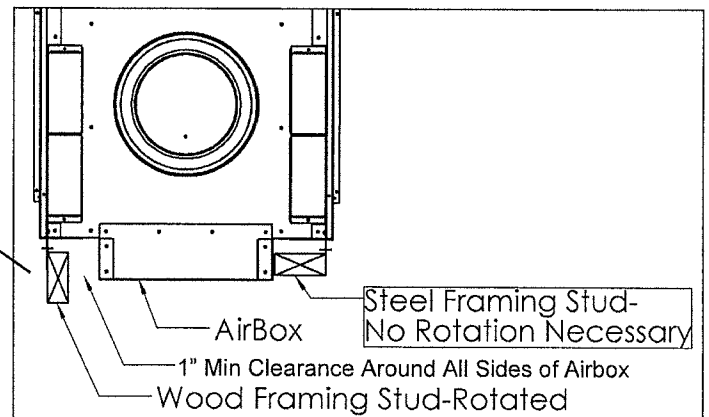
Framing Flush With Face of Fireplace

Framing is Flush with Face of Unit



Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

Note: If Combustible (Wood) Framing Studs are used, they must be rotated to allow Min. 1" Clearance from Airbox.



See the "Nailing Tab Guide" and "MQRB5143SK / MQRB6961SK" pages before placing unit into the framed opening.

MQRB6961 Single Sided Framing

An MQRB6961BK Kit is required for a Single Sided Installation.

Before you begin Framing- Determine whether the **Wall Surface** will be flush with the face of the fireplace (Fireplace and wall to be covered with Non-Combustibles, such as tile), or the **Framing** will be flush with the face of the fireplace (Flat Wall appearance).

Note: If using optional surround, maximum thickness for non-combustible material is 3/4".

FRAMED OPENING 71-1/2" X 45-1/2"
CANTILEVER FINISHED MINIMUM OPENING IS 77-1/2" WIDE

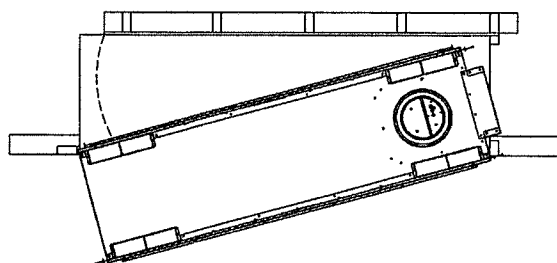
Framing Style shown is for illustration purposes only.

This structure is NOT load bearing.

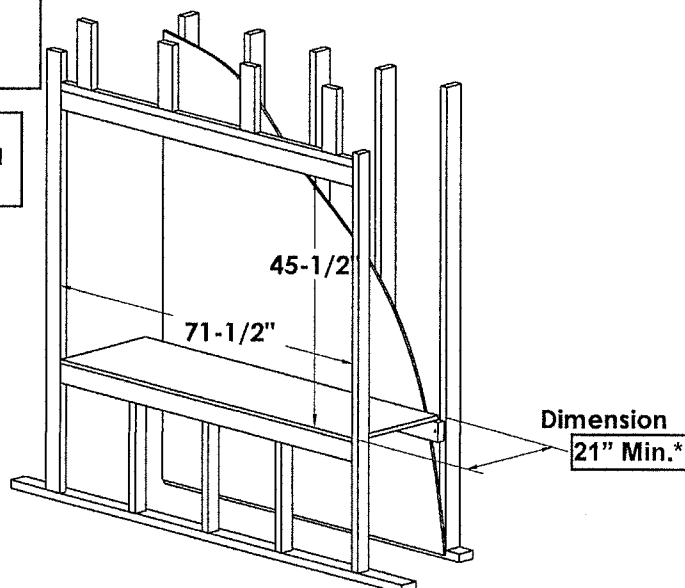
Steel Stud Framing Shown

***21" Min.** Dimension is for Wall Surface Flush with fireplace.

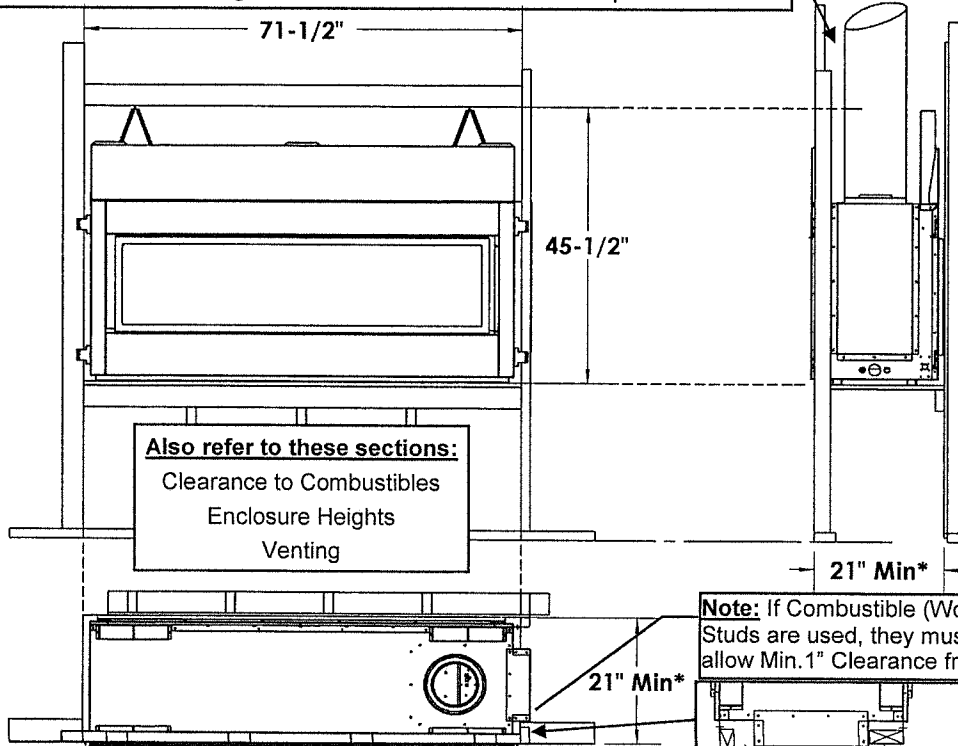
Add 1/2" to this Dimension where a non-combustible wall surface will cover the unit (See Nailing Tab Guide Page also).



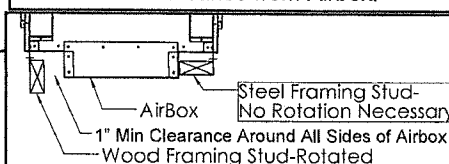
Parallel Park Unit into Framing.



Fireplace vent MUST maintain min. 1" clearance from combustible (Wood) framing. However, if steel stud framing is used, 1" vent clearance is not required.



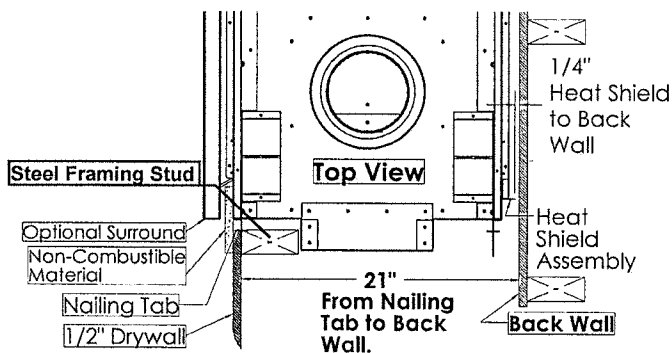
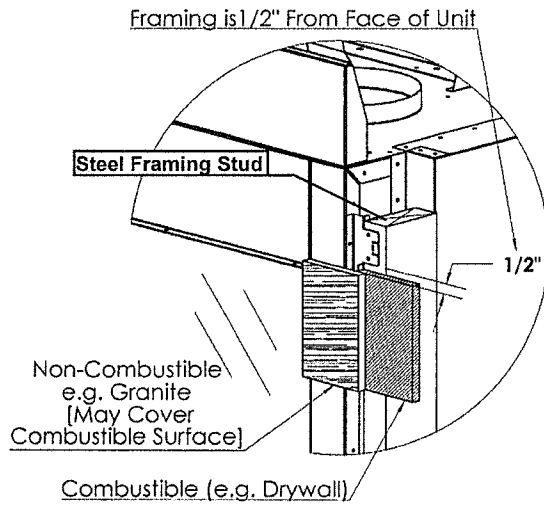
Note: If Combustible (Wood) Framing Studs are used, they must be Rotated to allow Min. 1" Clearance from Airbox.



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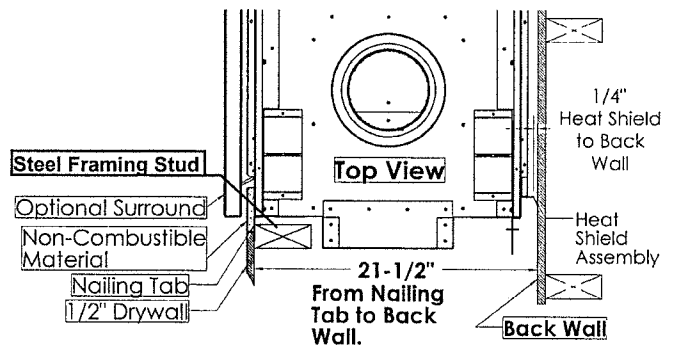
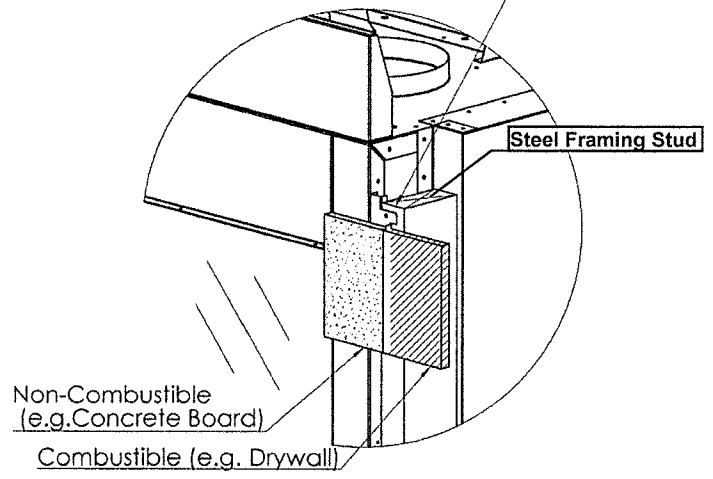
Wall Surface Flush With Face of Fireplace

[Steel Stud Framing Shown.]



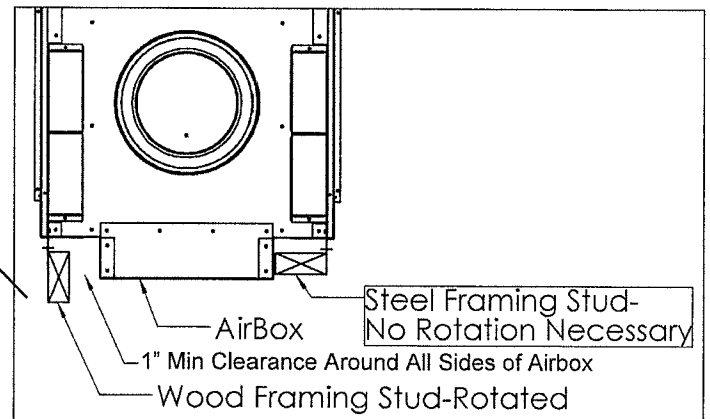
Framing Flush With Face of Fireplace

Framing is Flush with Face of Unit



Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

Note: If Combustible (Wood) Framing Studs are used, they must be Rotated to allow Min. 1" Clearance from Airbox.



See the "Nailing Tab Guide" and "MQRB5143BK / MQRB6961BK" pages before placing unit into the framed opening.

MQRB6961 Combustible Enclosure Heights

Cold Climate Recommendation

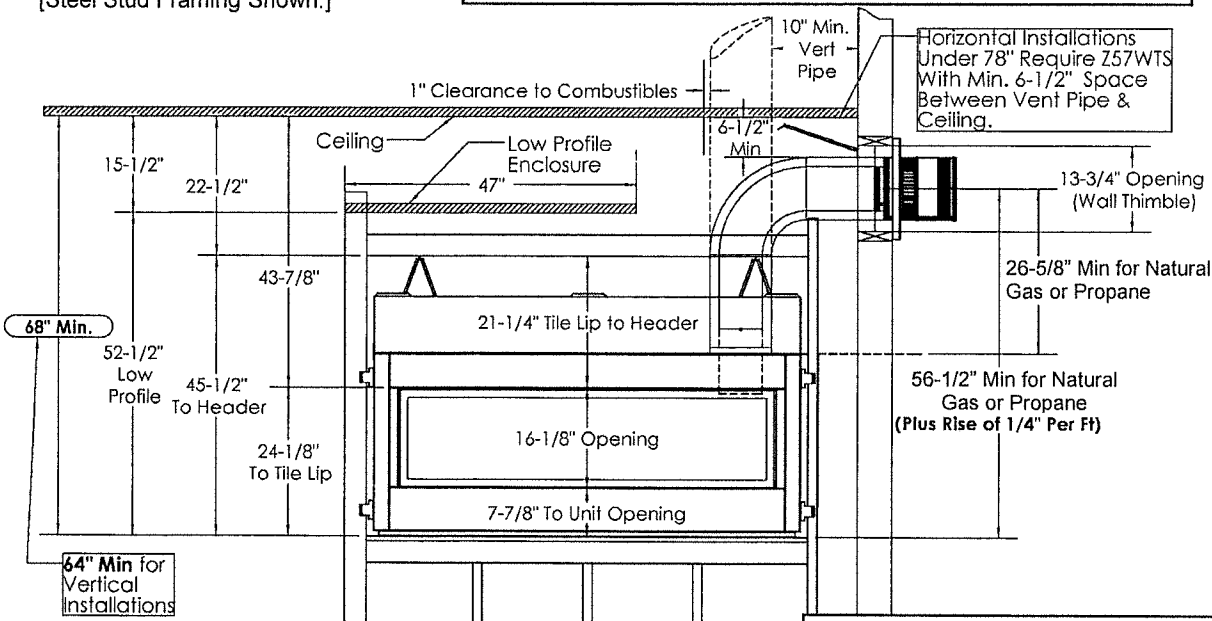
When installing this fireplace against an exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall must be installed over vapor barrier and insulation material to prevent direct contact with the appliance.

See Thru or Single Sided Installation

[Steel Stud Framing Shown.]

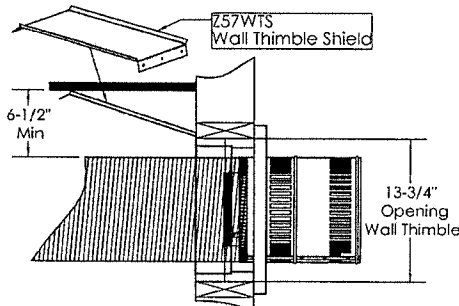
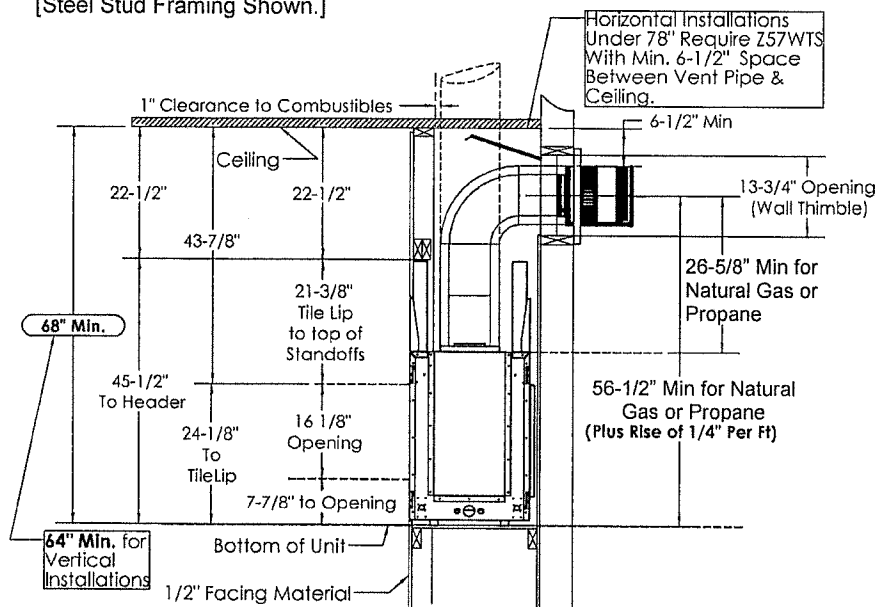
The minimum vertical installation height must be adhered to.

Flex pipe venting must be fully stretched.



Single Side Installation Only

[Steel Stud Framing Shown.]

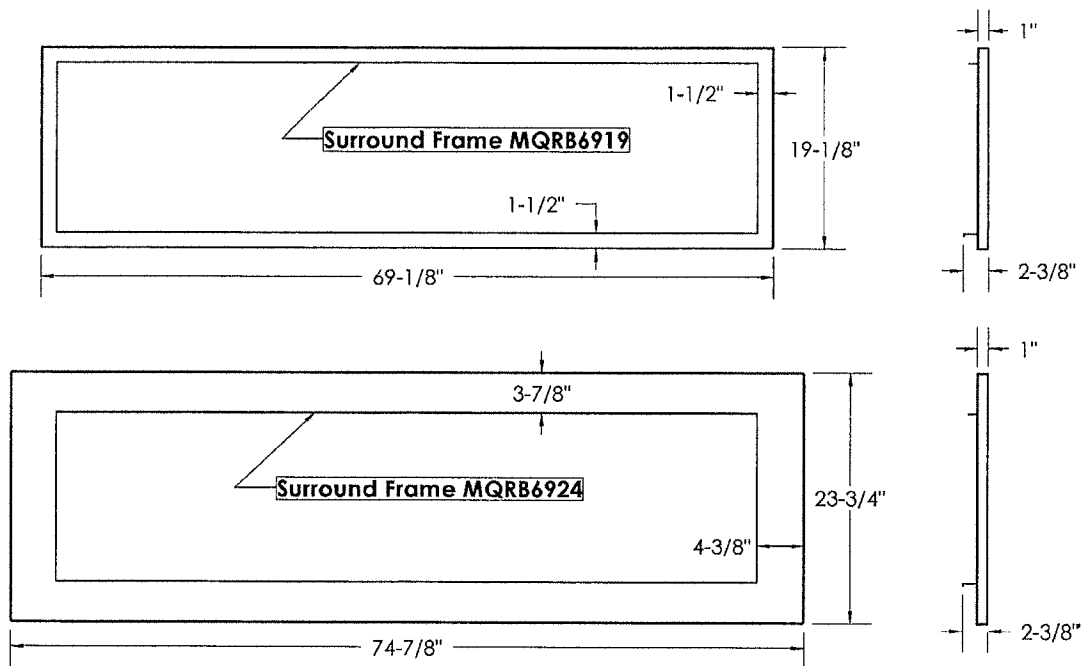


MQRB6961:

The Wall Thimble Shield Z57WTS is required in All Enclosures below 78" [Seventy-Eight Inches].

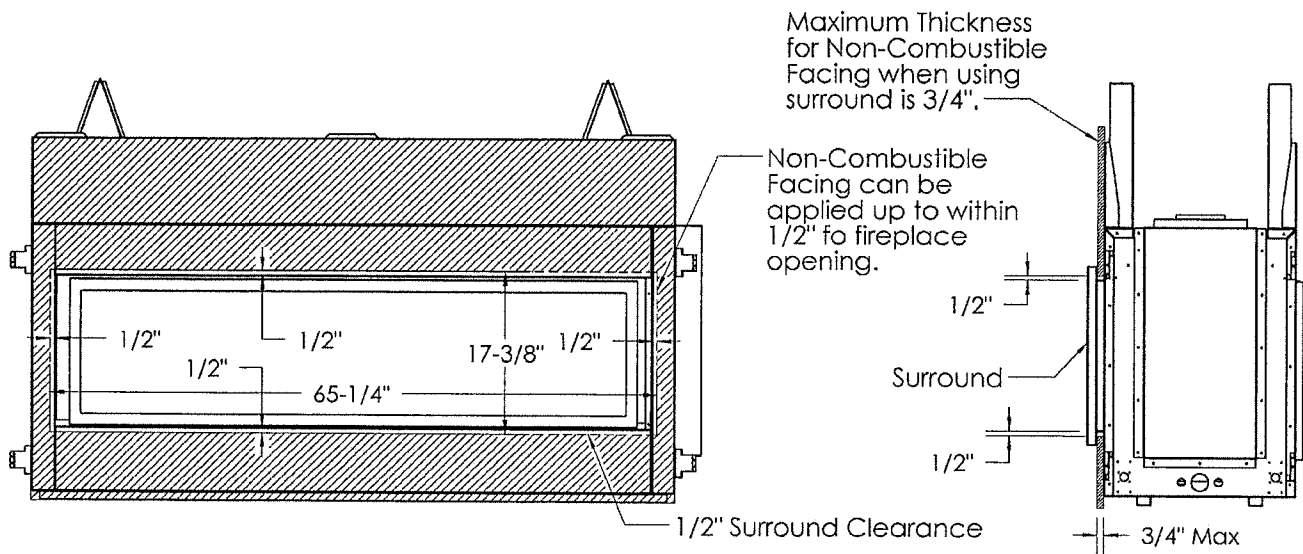
Place Wall Thimble Shield Z57WTS against the Wall Thimble immediately above the Vent. Install the Wall Thimble Shield using [3] DT Screws.

Surround Dimensions MQRB6961



- The Surround Frames are 1" thick, with a $\frac{3}{4}"$ space behind the frame.
- When using Surrounds, Maximum Thickness for Non-Combustible Facing Materials is $\frac{3}{4}"$.
- The Fireplace may be covered up to within $\frac{1}{2}"$ of the Fireplace Opening with non-combustible materials.

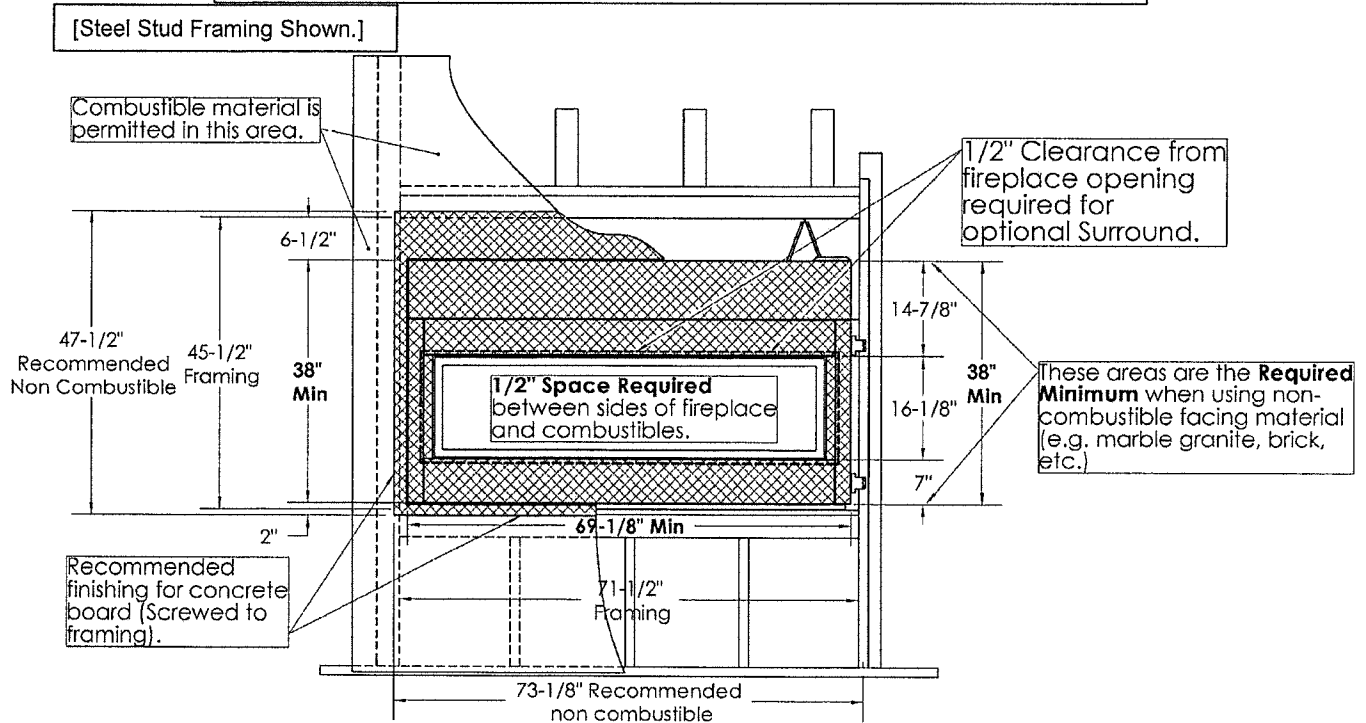
Surround Clearances MQRB6961



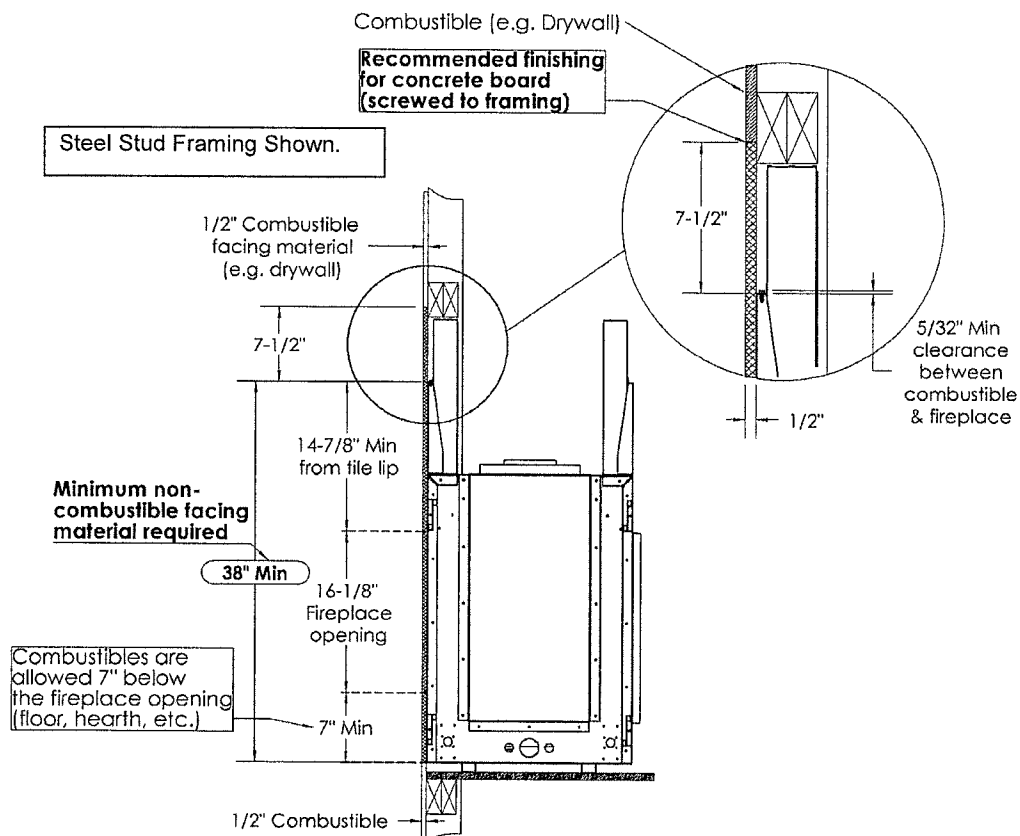
MQRB6961 Facing Material Requirements

These specifications are the same for all Models (6961N, 6961NE, 6961LP, 6961LPE).

Note: If using Optional Surround, MQRB6961 See Surround Clearances Section.



Note: Do not drive excessively long screws into the face of the unit as internal parts may be damaged.



MQRB6961 Mantel Clearances

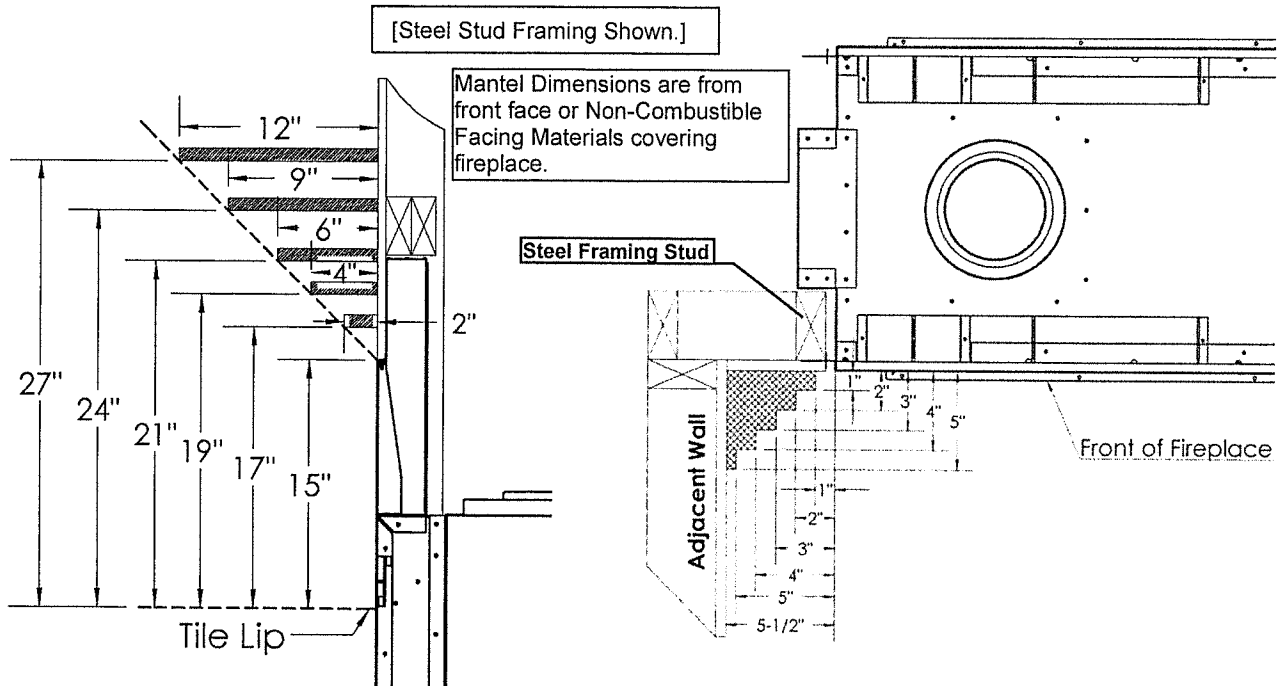
Before installing any mantels it is important to determine the combustibility of its material(s). There are two types of mantels to consider: Combustible and Non-Combustible.

A **Combustible Mantel** is one that consists of material(s) that may discolor, combust, or lose its integrity in the presence of heat. These types of mantels must strictly conform to the dimensional requirements shown below.

Conversely, a **Non-Combustible Mantel** is one that is constructed with material(s) that will not combust. Check your local codes and regulations to determine whether your mantel is Combustible or Non-Combustible.

The advantage to Non-Combustible Mantels is that it may extend right up to the tile lip of the fireplace. Combustible mantels must adhere to the dimensional restrictions shown below.

⚠ Combustible Objects on Non-Combustible Mantel Warning-
Combustible objects must not be placed on a Non-combustible Mantel unless the mantel meets the dimensional requirements for a Combustible Mantel. Refer below to determine whether your mantel conforms to the requirements of a Combustible Mantel.



Clearance to Combustibles	MQRB6961
Front	24" [61cm]
Back Shield Kit to Wall	0" [0cm]
Side (from Stand-offs)	0" [0cm]
Floor*	0" [0cm]
Airbox on Flue Side of Unit	1" [25cm]
Minimum Ceiling Height (from bottom of fireplace)	64" [Vertical Venting] 68" [Horizontal Venting-See MQRB6961 Combustible Enclosure Heights page]
Top (from Stand-offs)	0" [0cm]
Top of 90° Bend under 78" Enclosure	6-1/2" (With Wall Thimble Shield [Z57WTS]) All Vent Systems
Top of 90° Bend over 78" Enclosure	6-1/2" All Vent Systems
Top of Horizontal Pipe	2" All Vent Systems
Side & Bottom of Horizontal Pipe	1" All Vent Systems
Vertical Vent Pipe	1" All Vent Systems
Vertical Vent Pipe	1" DuraVent-DirectVent Pro / AmeriVent / Selkirk Direct Temp Systems

***Note:** If appliance is installed directly on carpeting or other combustible material other than wood flooring, a metal or wood panel extending the full width and depth of the appliance must be used. Carpet may extend 1 inch above the floor of the appliance.