



INSTALLATION MANUAL

I.H.E.A.T. Advantage Intelligent Heat Exchange and Air Transfer

For installation on 345-DVTE31LN-1
(see the Installation, Operation, and
Maintenance Manual included with the
fireplace)



After removing the parts from packaging, inspect them to ensure that no damage has occurred. Please report any damage immediately to your authorized Archgard dealer.

IMPORTANT

Please review and understand the information in this manual in full
PRIOR to beginning your installation.

INSTALLER:

LEAVE THIS MANUAL WITH THE APPLIANCE.

CONSUMER:

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

ARCHGARD FIREPLACE PRODUCTS

7116 Beatty Drive
Mission, BC V2V 6B4 Canada

MODELS:

999-IHT-440	999-IHT-12B2B
999-IHT-41212	999-IHT-12B2W
999-IHT-44012	999-IHT-4FS
999-IHT-40B1B	999-IHT-4V10
999-IHT-40B1W	999-IHT-4V25

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

Do not store or use gasoline or other flammable vapors or 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
- Immediately call your gas supplier from a neighbors phone.
- Follow the gas suppliers instructions
- If you can not reach your gas supplier, call the fire department

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Only kits supplied by the manufacturer may be used.

English and French Installation Manuals available through your local dealer or visit our website at:

www.archgard.com

Les manuels d'installation en anglais et en français son disponibles chez votre détaillant local ou en visitant notre site web: **www.archgard.com**

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1.0 Introduction

Thank you and congratulations for choosing the Archgard **I.H.E.A.T. Advantage**.

The **I.H.E.A.T. Advantage** allows you to distribute heat from your Archgard fireplace to wherever you need it the most. It is solidly designed using the latest technology and manufactured to the highest quality. It is our aim to provide you with a heating experience that brings many trouble-free years of reliable service.

Some of the many features of your **I.H.E.A.T. Advantage** are:

- **Versatility** Direct the heat from your fireplace to where you need it the most with multiple configuration options
- **Television or Art Installation** This kit reduces the amount of heat directly above the fireplace. This allows heat sensitive objects such as electronics or decor to be placed above the fireplace (see **Section 9.2**). It also allows a lower mantel installation (see **Section 9.1**)
- **Styling Options** Many possible finishes to match any decor

2.0 Safety Information

Caution

FOR YOUR SAFETY - Do not install or operate your I.H.E.A.T. Advantage without reading and understanding this manual. Any installation or operational deviation from this instruction manual voids the warranty and may prove hazardous.

- This product must be installed by a qualified installer and the installation must conform to the installation codes
- Provide adequate clearance around air openings into combustion chamber
- Provide adequate clearances for proper operation and servicing of the appliance and airways
- The appliance must be properly connected to an approved venting system and must not be connected to a chimney flue serving a separate solid fuel burning appliance
- Flow of combustion and ventilation air must not be obstructed - always provide adequate combustion and ventilation air
- Always provide adequate clearance around the intake and exhaust openings

Safety

- Due to high temperatures, the discharge head(s) should be located out of traffic and away from furniture and draperies
- Never obstruct discharge air
- Children and adults should be alerted to the hazards of high surface temperature and stay away to avoid burns or clothing ignition
- Young children should be carefully supervised when they are in the same room as the discharge heads. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to the fireplace or discharge heads, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces
- Do not store or place combustibles, gasoline, and other flammable vapors and liquids near the appliance or discharge heads
- Clothing or other flammable material should not be placed on or near the appliance or discharge heads
- Any safety screen or guard removed for servicing must be replaced prior to operating
- Installation and Repair should be done by a qualified service person. The appliance and ducting should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that the circulating air passageways are kept clean

Any alteration to the product that causes carbon or soot deposits that results in any damage or requires cleaning is not the responsibility of the manufacturer.

3.0 Technical Information

3.1 Certification

This optional kit is listed for use with the 345-DVTE31LN-1 by QAI Laboratories Inc.

Commonwealth of Massachusetts: This kit has been manufactured in accordance with Massachusetts code 248 CMR 5.00. Approval Code: TBD. (https://licensing.reg.state.ma.us/pubLic/pl_products/pb_pre_form.asp).

Please contact **Archgard Industries Ltd.**, if you have any questions regarding the certification of this kit.

3.2 Installation Codes

This kit must be installed by a qualified gas installer. The installation must conform with the local codes or, in the absence of local codes, with the current National Fuel Gas Code ANSI Z223.1/ NFPA 54 in the US, or Installation Code CAN/CGA-B149.1 in Canada. Electrical connections and grounding must conform with local code, or current National Electrical code ANSI/NFPA No. 70-1987 in the US, and in Canada the current Canadian Electrical Code CSA C22.1.

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

3.3 Specifications

Max Air Volume	100 CFM
Max Temperature	200° F (93.3° C)
Max Duct Length	30' (914.4 cm)

General Information

4.0 Installation Checklist

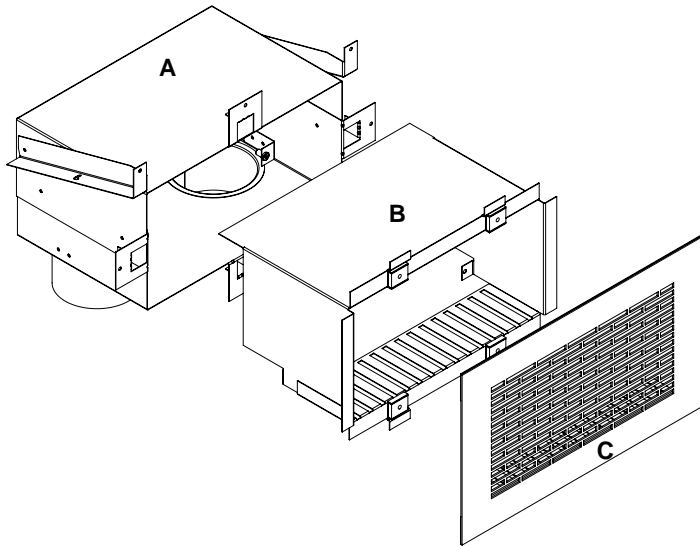
This standard installation checklist is to be used by the installer in conjunction with, not instead of, the instructions contained within this installation manual.

Customer: _____	Date Installed: _____
Install Address: _____	Location of Fireplace: _____
_____	Installer: _____

I.H.E.A.T. Setup:	YES	IF NO, WHY NOT?
Do the clearances comply with those specified in this manual?		
Does the framing dimensions comply with those specified in this manual?		
Appliance Install: (Section 9.0)	YES	IF NO, WHY NOT?
Verified that the chase is insulated and sealed.		
Standoffs, side nailing flanges, and top nailing flange extension are installed.		
I.H.E.A.T. is leveled and secured.		
Ducting: (Section 10.0)	YES	IF NO, WHY NOT?
Ducting configuration complies with diagrams in this manual.		
Ducting installed and secured in place maintaining proper clearances.		
Maintained 1/4" rise for every 1 ft. on horizontal run.		
I.H.E.A.T. Discharge head is highest point in vent assembly.		
Finishing (Section 12.0):	YES	IF NO, WHY NOT?
Clearances meet installation manual requirements.		
Mantels and/or projections comply with install manual.		
Comments:		

5.0 Dimensions

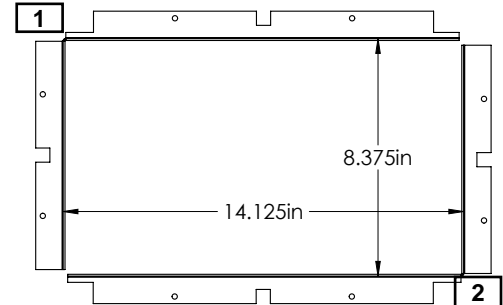
5.1 12" x 6" Discharge Head



Included in:

- 999-IHT-41212
- 999-IHT-44012
- 999-IHT-12B2B
- 999-IHT-12B2W

FINISHING STRIPS



	SIDE VIEW	TOP VIEW
A		
B		
C		

Figure 5.1.01:

5.2 40" Discharge Head

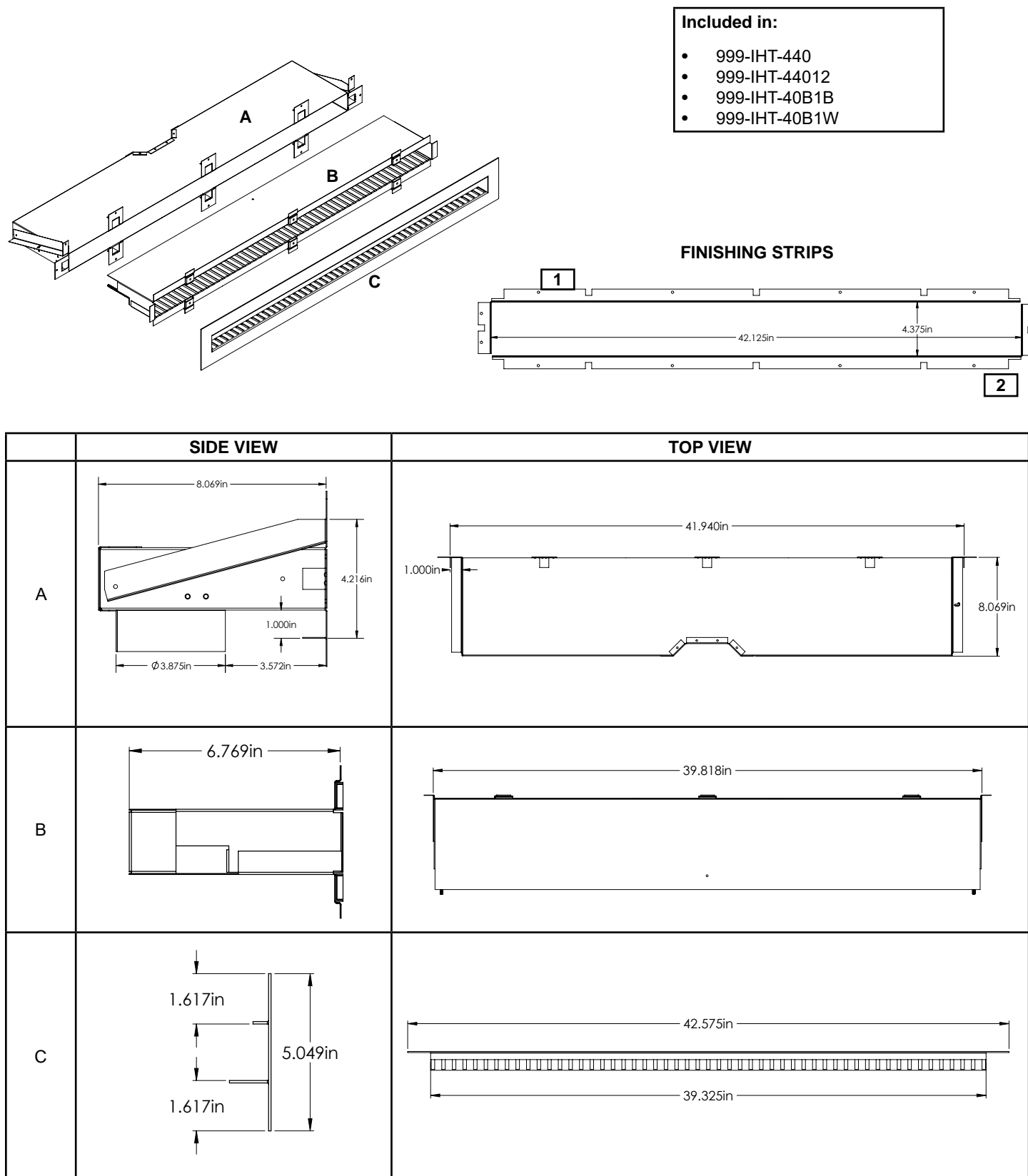


Figure 5.2.01:

Installation

5.3 I.H.E.A.T. Intake Dimensions

The dimensions shown below relate to the dimensions of the I.H.E.A.T. Intake only. For appliance dimensions, please see the Installation, Operation, and Maintenance Manual included with the fireplace.

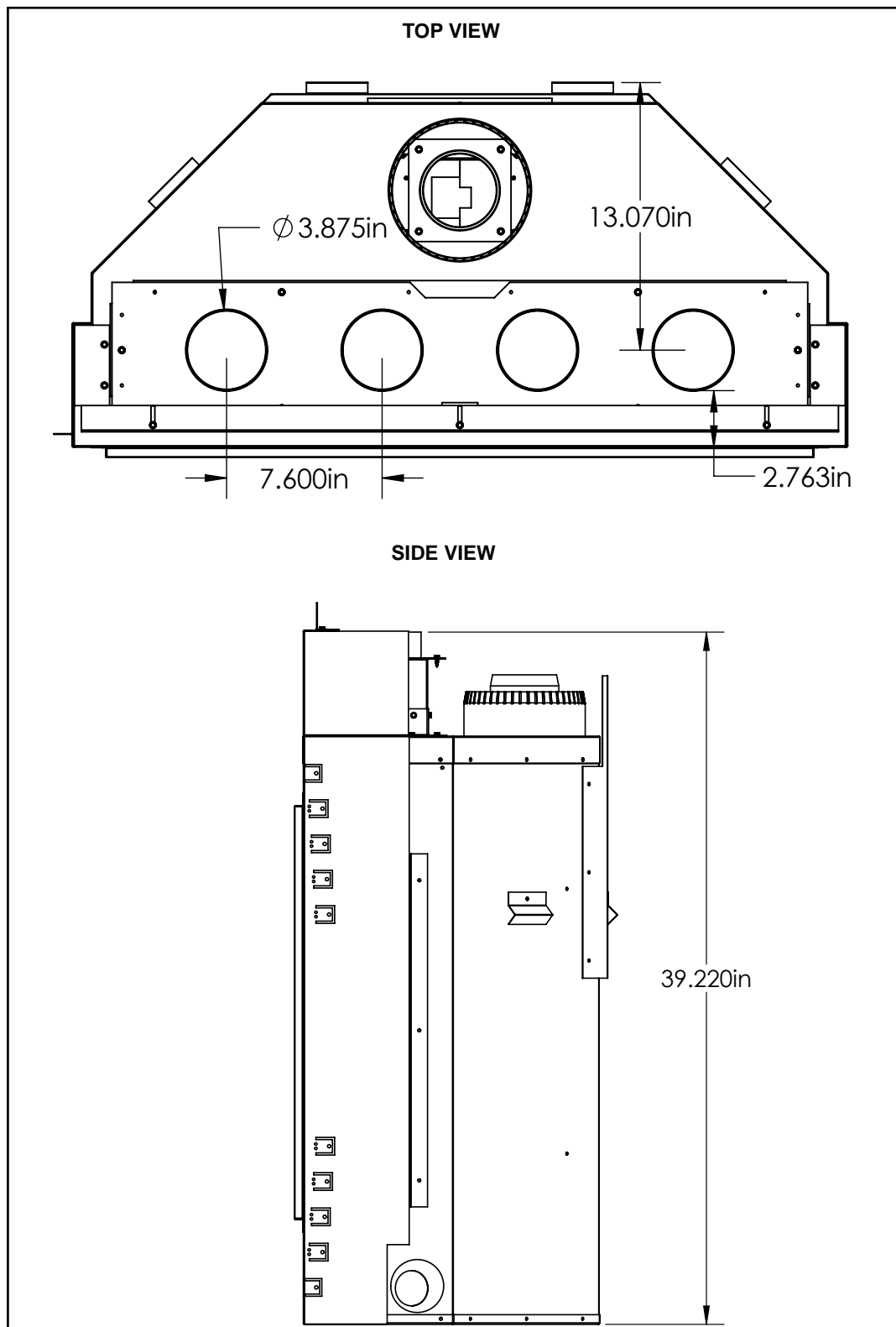


Figure 5.3.01:

6.0 I.H.E.A.T. Kits and Accessories

Kit Model Number	Description
999-IHT-440	40" Long Discharge System with 4" Collars
999-IHT-41212	Two 12" x 6" Discharge System with 4" Collars
999-IHT-44012	One 40" Long Discharge and one 12" x 6" Discharge System with 4" Collars
999-IHT-40B1B	40" Bezel, Clean Design, Satin Black
999-IHT-40B1W	40" Bezel, Clean Design, White
999-IHT-12B2B	One 12" Bezel, Slotted Design, Satin Black
999-IHT-12B2W	One 12" Bezel, Slotted Design, White
999-IHT-4FS	Two 4" Fire Stop
999-IHT-4V10	4" 2 Ply Aluminum Flex Ducting, 10' long, certified to UL1777 or UL2112, and ULC S635
999-IHT-4V25	4" 2 Ply Aluminum Flex Ducting, 25' long, certified to UL1777 or UL2112, and ULC S635

Bezel Options

Note: Bezels may be painted to match decor using a high temperature paint of choice.

999-IHT12B2B: 12" Slotted Design, Satin Black

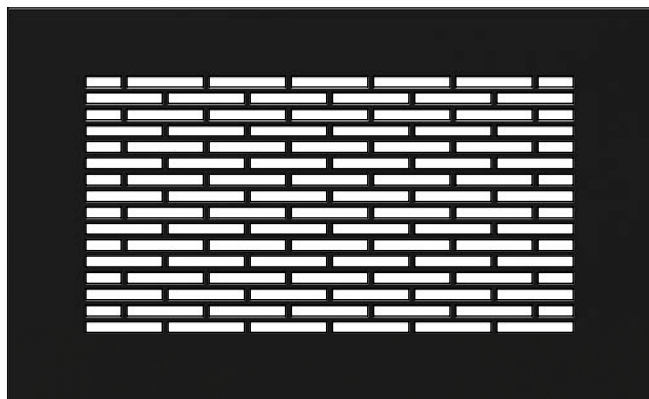


Figure 6.0.01:

999-IHT12B2W: 12" Slotted Design, White

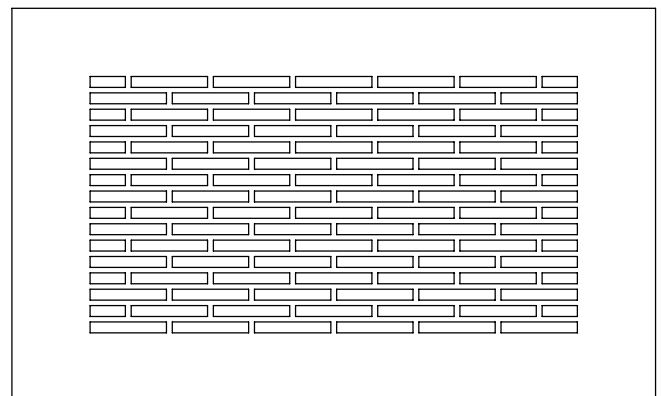


Figure 6.0.02:

999-IHT-40B1B: 40" Clean Design, Satin Black



Figure 6.0.03:

999-IHT-40B1W: 40" Clean Design, White

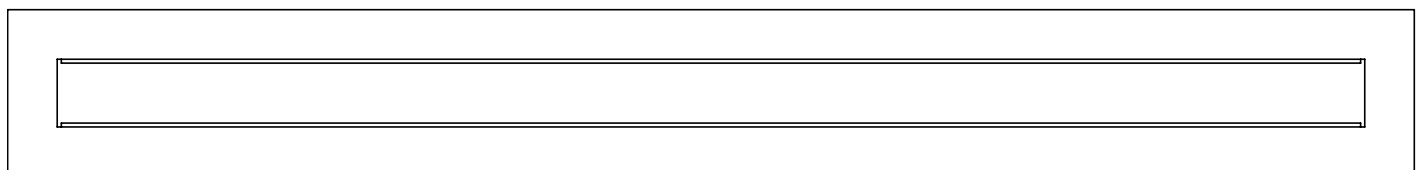


Figure 6.0.04:

7.0 Installation Overview

7.1 Planning Your Installation

To install I.H.E.A.T. with your fireplace, take the following steps:

1. Pick a location for installation of the fireplace - be aware of traffic areas and the location of furniture
2. Choose the location(s) for the I.H.E.A.T. Discharge Head(s)
3. Install the framing according to **Section 8** of this manual
4. Install the I.H.E.A.T. Discharge Head A (See **Section 5.1** and **Section 5.2**).
5. Install any firestops.
6. Install the Intake on the 345-DVTE31LN-1.
7. Install the 345-DVTE31LN-1.
8. Make sure the ducting connections are tight.
9. Install the finish strips.
10. Finish the fireplace according to the Installation, Operation, and Maintenance Manual included with the fireplace.
11. Install I.H.E.A.T. Discharge Head B (See **Section 5.1** and **Section 5.2**). This may be adjusted to accommodate different wall thicknesses or finish materials such as tile or brick.
12. Install the I.H.E.A.T. Discharge Bezel (item C, see **Section 5.1** and **Section 5.2**).

7.2 I.H.E.A.T. Configurations

With I.H.E.A.T. there are many possible configurations to distribute the heat to wherever you need it the most. The following images show a few examples of common configurations.

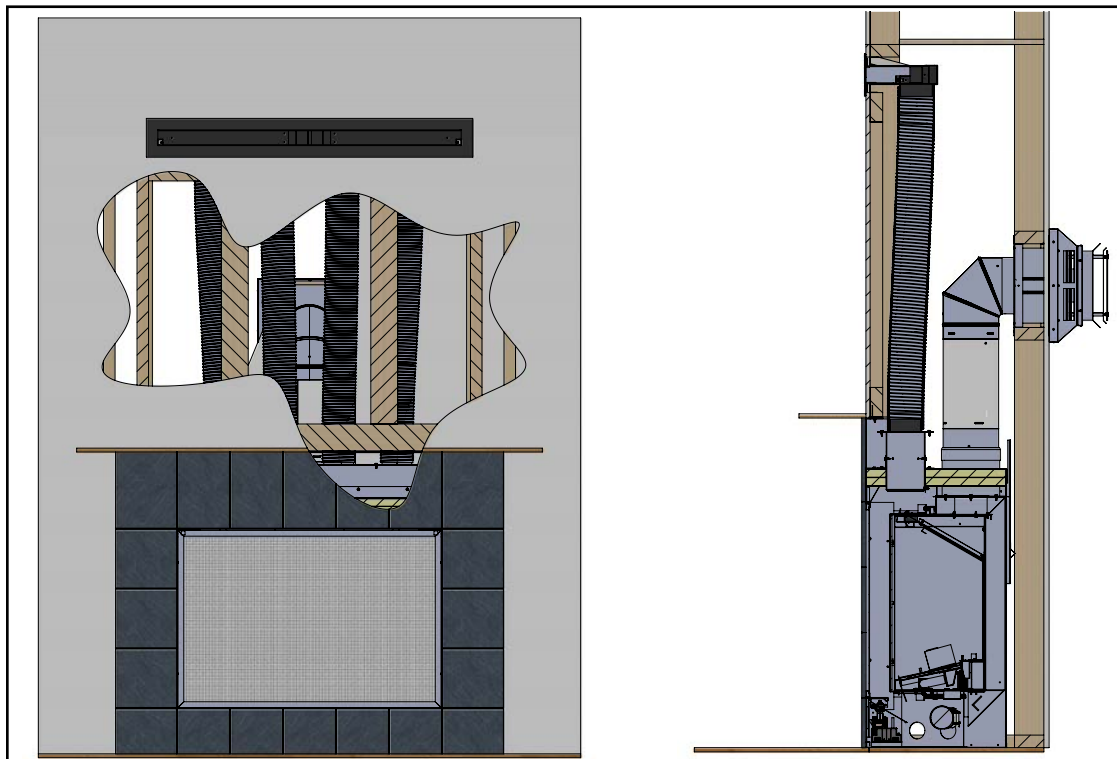


Figure 7.2.01: I.H.E.A.T. Cutaway view with ducting (999-IHT-440)

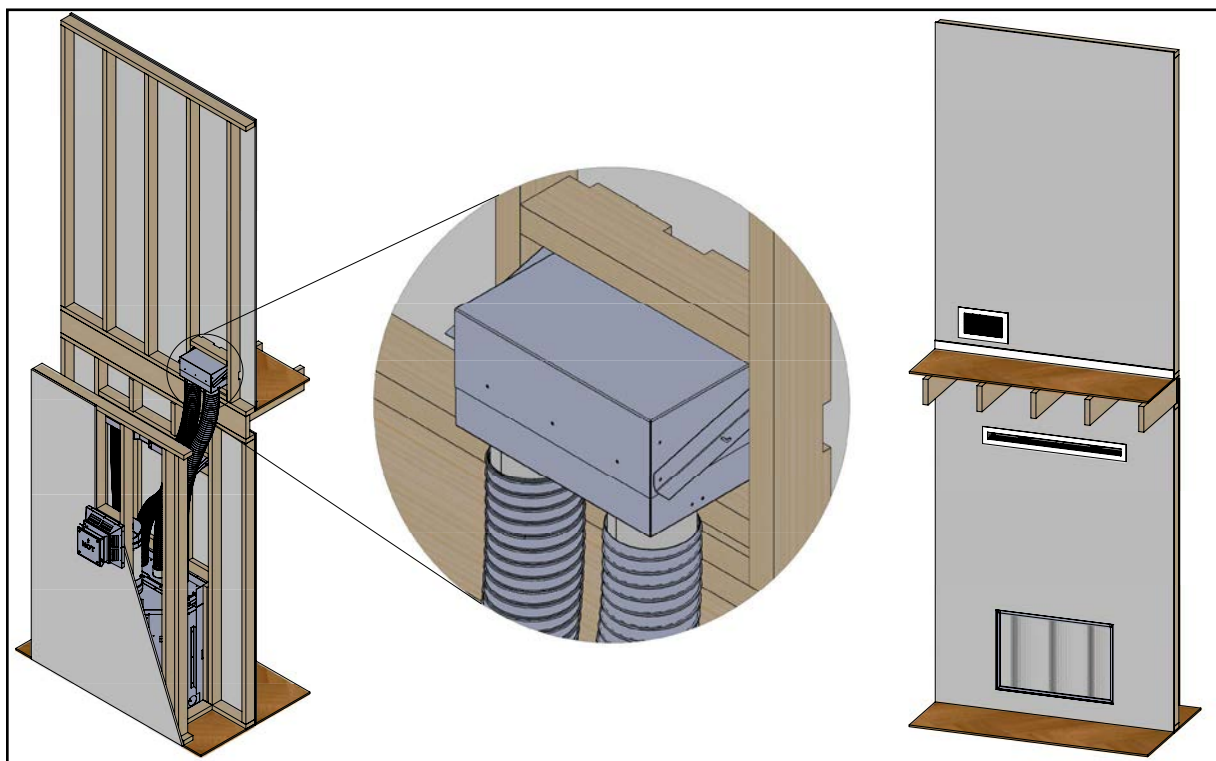


Figure 7.2.02: I.H.E.A.T. second story heat distribution (999-IHT-44012)

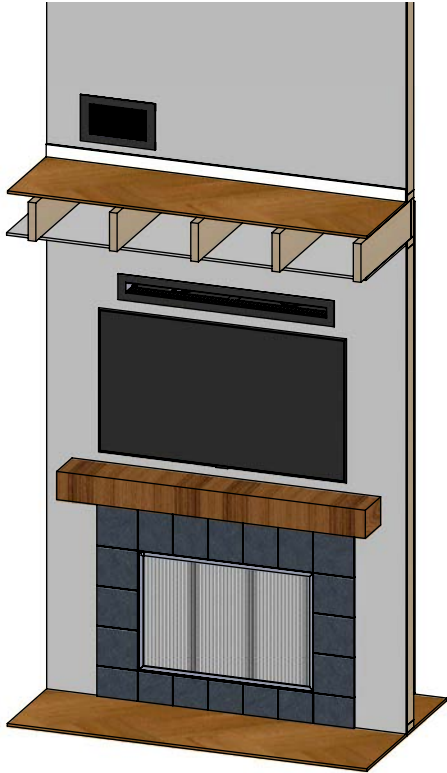


Figure 7.2.03: I.H.E.A.T. second storey heat distribution with television (999-IHT-44012)

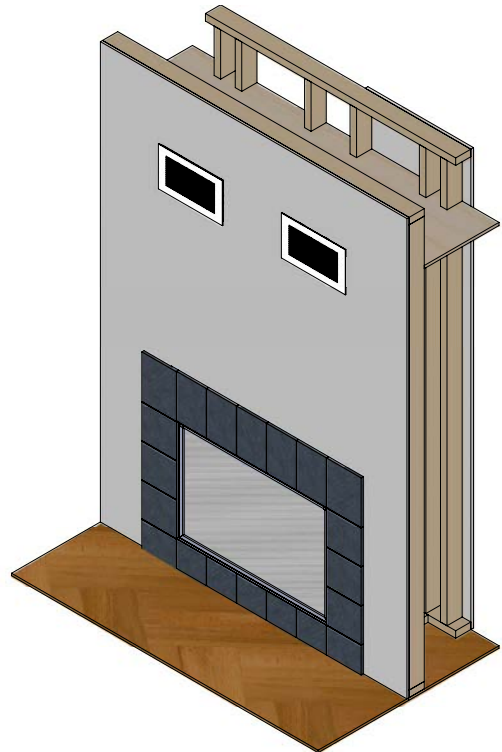


Figure 7.2.04: I.H.E.A.T. with dual 12" discharge heads (999-IHT-41212)

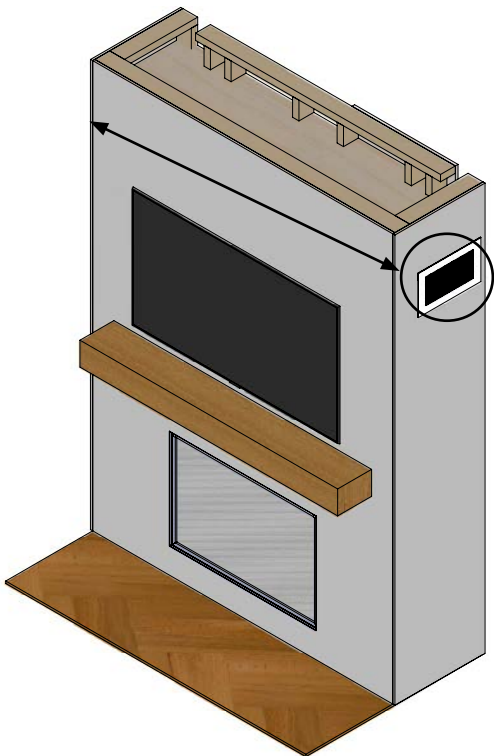


Figure 7.2.05: I.H.E.A.T. with television and dual 12" discharge heads (999-IHT-41212)

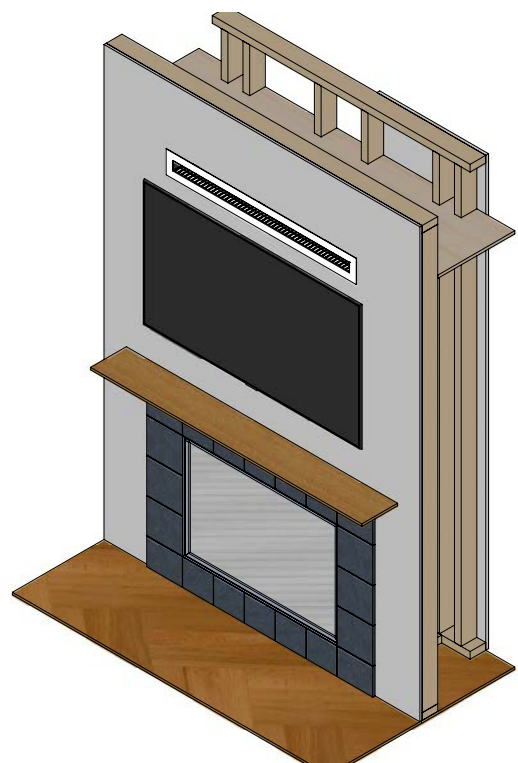


Figure 7.2.06: I.H.E.A.T. with television and 40" discharge head (999-IHT-440)

8.0 I.H.E.A.T. Framing

8.1 Fireplace Framing

IMPORTANT

Framing dimensions should allow for wall covering thickness and fireplace facing materials. If using a hearth, adjust rough opening size as necessary to maintain at least minimum clearance requirements. **Non-combustible or combustible facing material** may be applied over (but not directly to) fireplace face. This will prevent facing material from falling off due to heat expansion. Do not obstruct the flow of ventilation air.

WARNING

Provide adequate clearances around air openings into the combustion chamber. Do not obstruct upper and lower grill openings. Room air enters through lower passage, is heated and exits through upper passage. Blocking these passages may result in overheating, creating a potentially hazardous situation.

The layout of the framing differs from the Installation, Operation, and Maintenance Manual included with the fireplace to accommodate the ducting used when installing I.H.E.A.T.

Determine exact position of your fireplace, including hearth height, width, and depth (if applicable, see **Section 9.6** of this manual). If possible, place fireplace in such a manner that vent termination will be between two studs, eliminating the need for additional framing.

Consider height of hearth finish material (stone, brick etc.) when building fireplace platform.

Install fireplace on hard metal or wood surface extending the full width and depth of fireplace.

If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is used, a lintel iron must be used over top of fireplace to support the added weight. Never use this fireplace to support additional weight.

FIRE HAZARD

DO NOT install directly on carpet, vinyl, or any combustible material other than wood.

Wall Board Thickness (Nailing Flange Setting)	*Framing Depth
Flush (wall board over face of fireplace)	17.5"
3/8"	17.375"
1/2"	17.25"
5/8"	17.125"
3/4"	17"

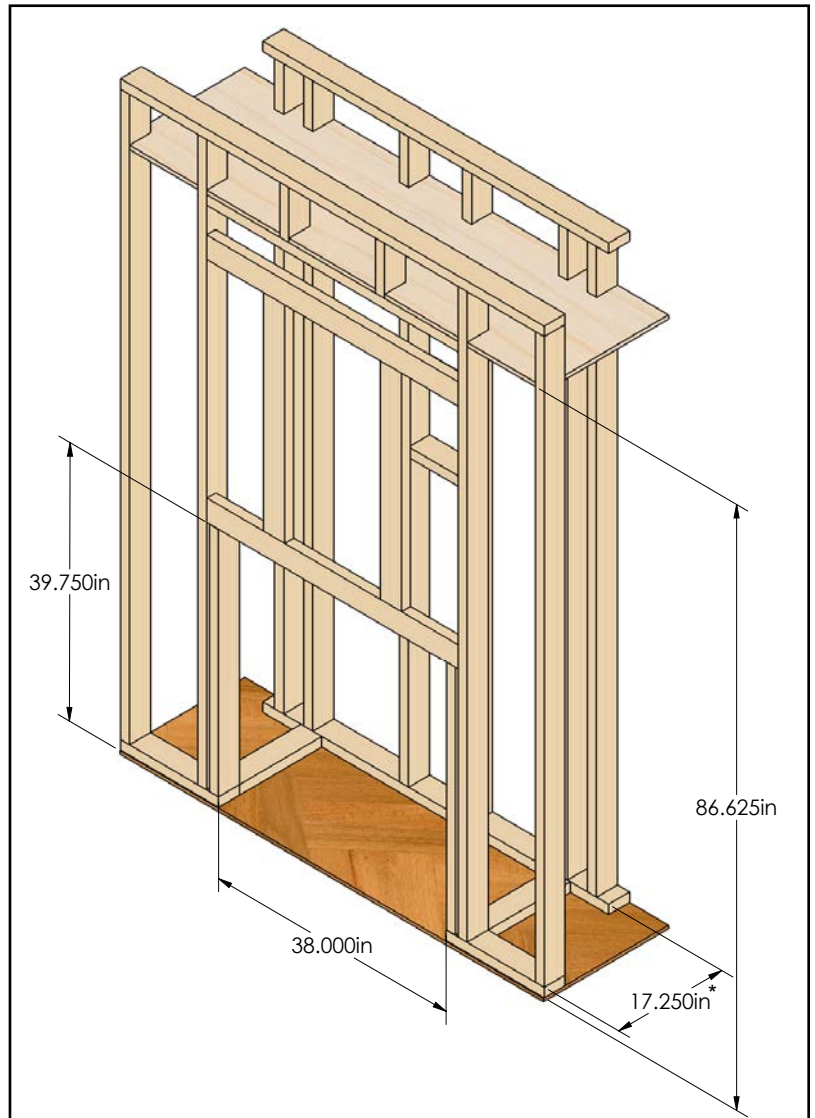


Figure 8.1.01

Installation

The fireplace may be recessed according to the finishing material used (see See **Section 8.1**). Bend the tab according to the thickness of the wallboard being installed, then install the finishing material.

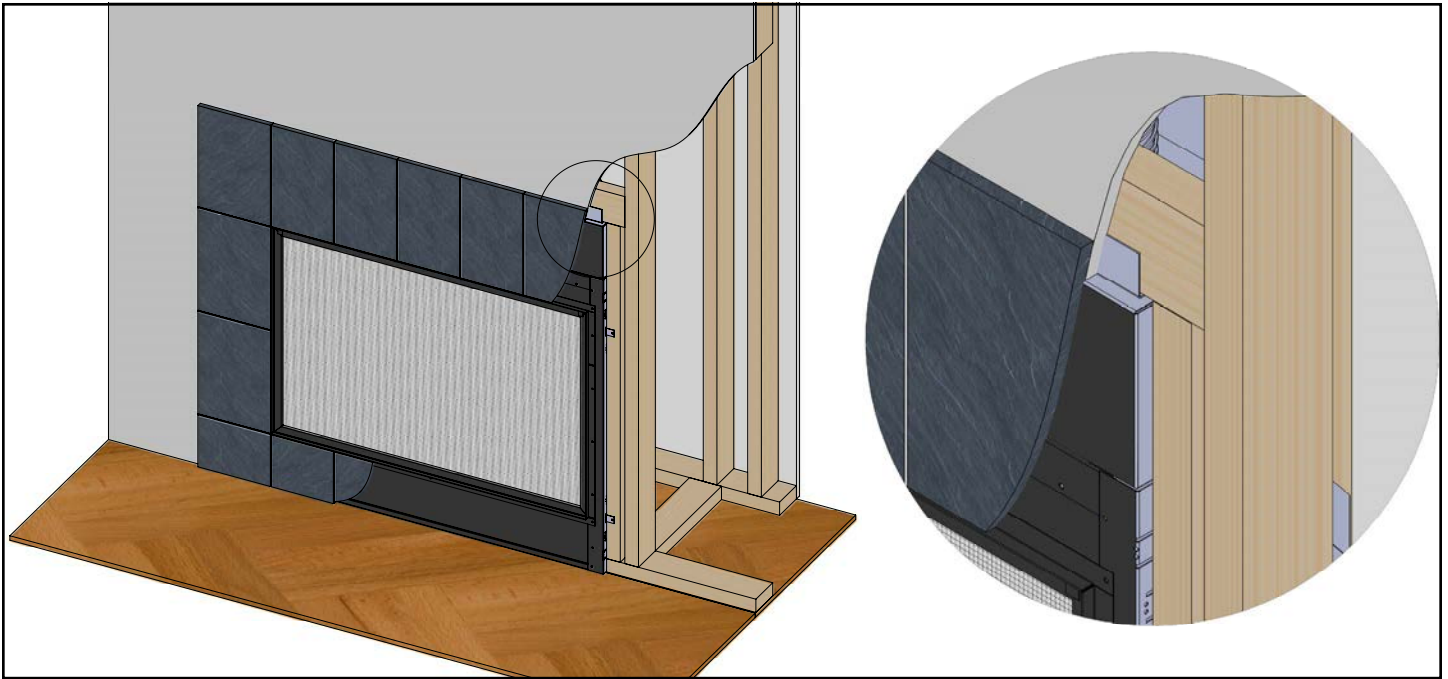


Figure 8.1.02: Wallboard Flush

Alternatively, the fireplace may be covered by a combustible building material such as wood or wallboard. Bend the tabs closest to the front of the fireplace for a flush look(see See **Section 8.1**). **Note:** this option is available with IHEAT ONLY.

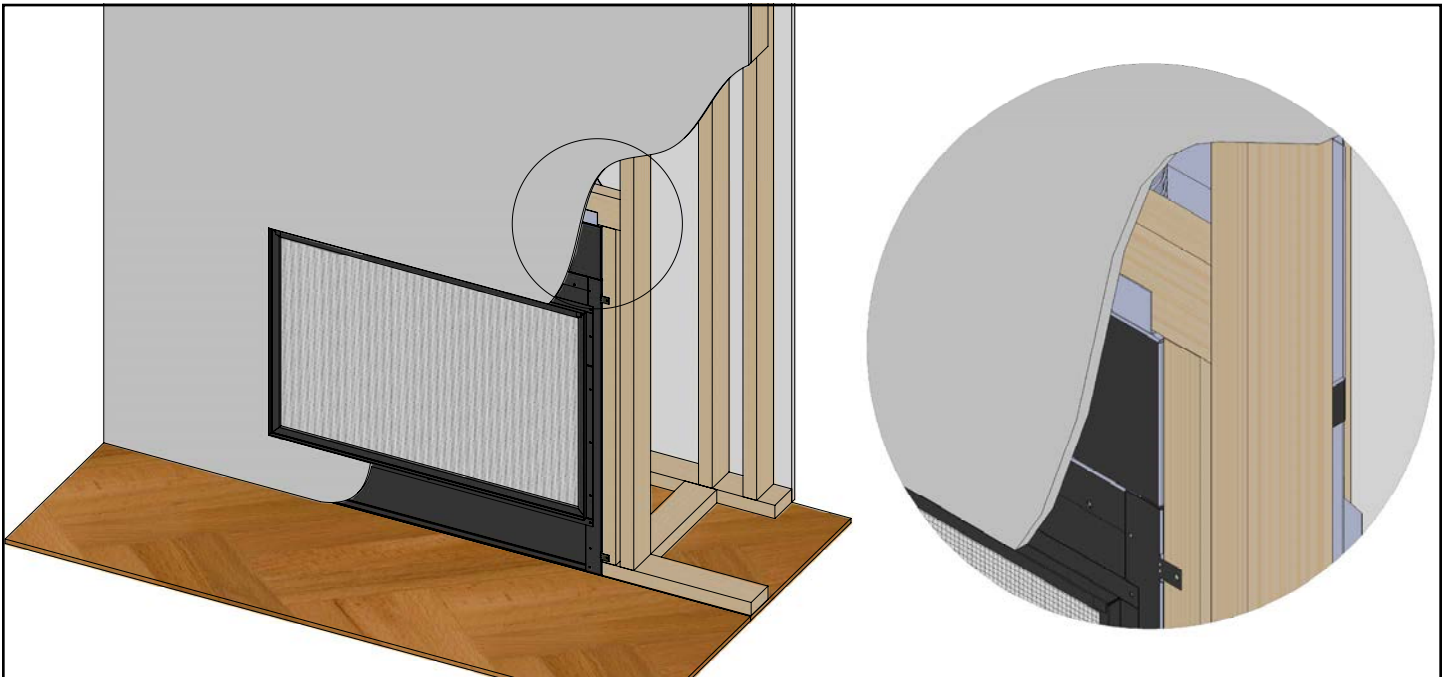


Figure 8.1.02: Wallboard over Fireplace Face

8.2 12" Discharge Head Framing

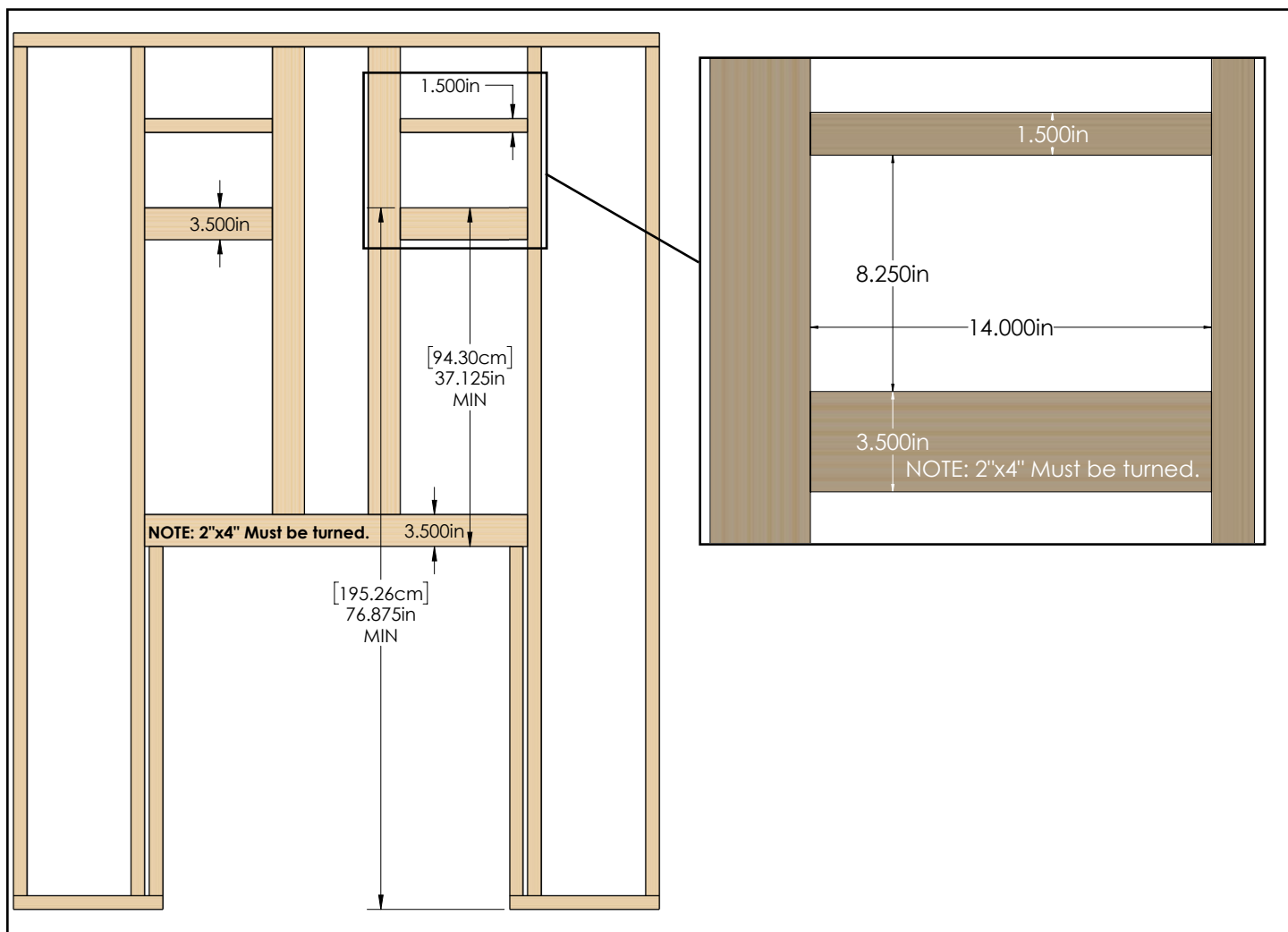


Figure 8.2.01

8.3 40" Discharge Head Framing

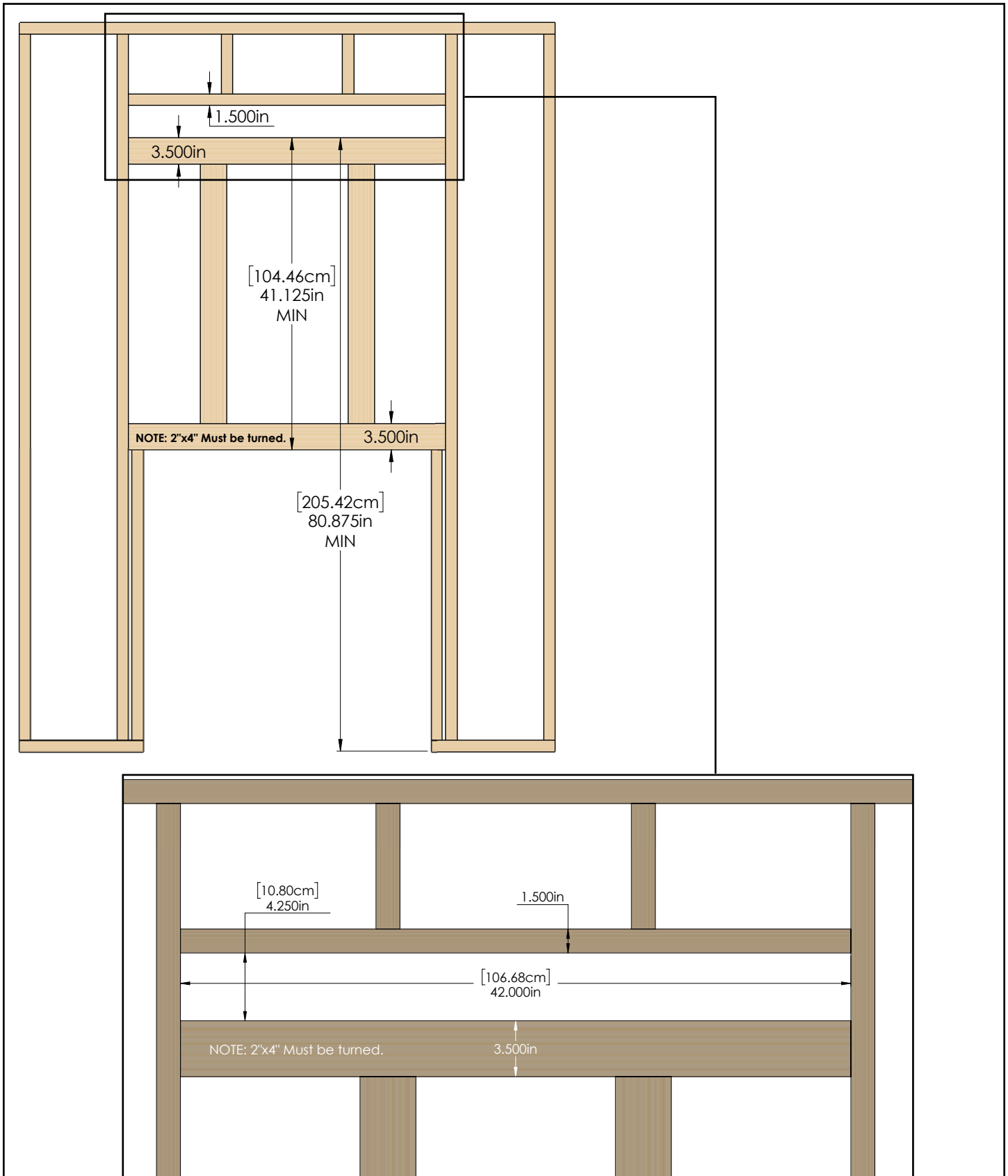


Figure 8.3.01

8.4 Firestop Framing

Horizontal Installation

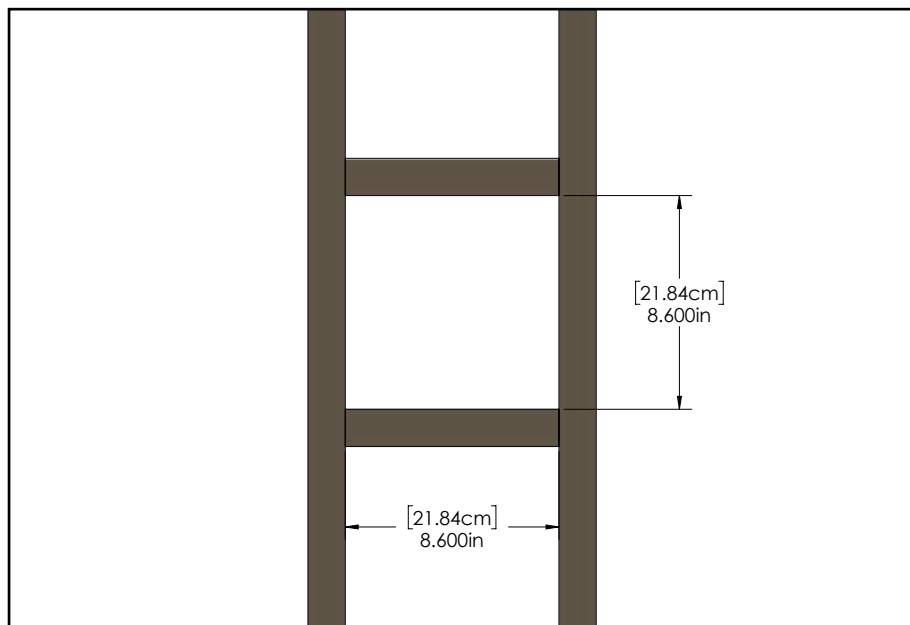


Figure 8.4.01

Vertical Installation

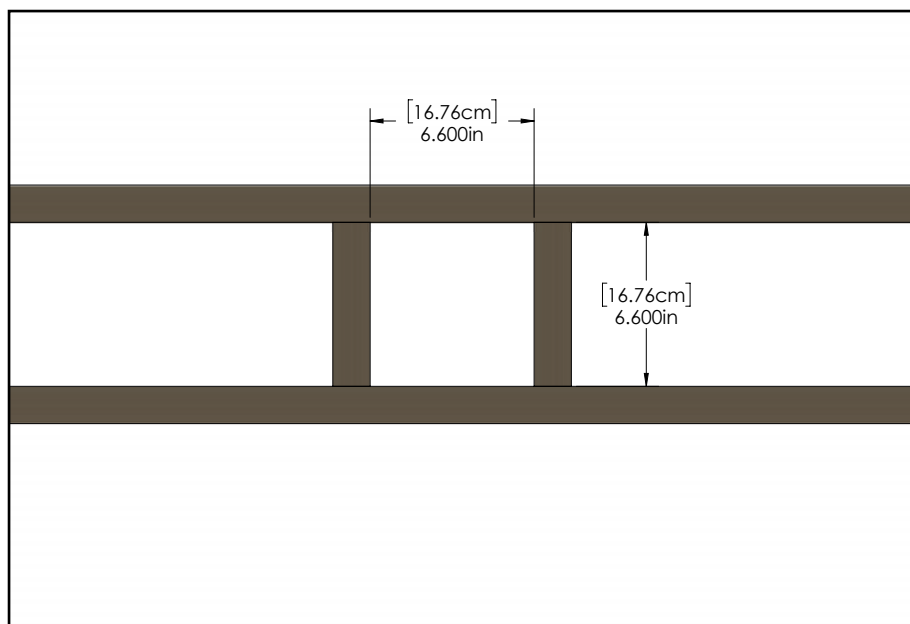


Figure 8.4.02

Installation

8.5 Corner Installation Framing

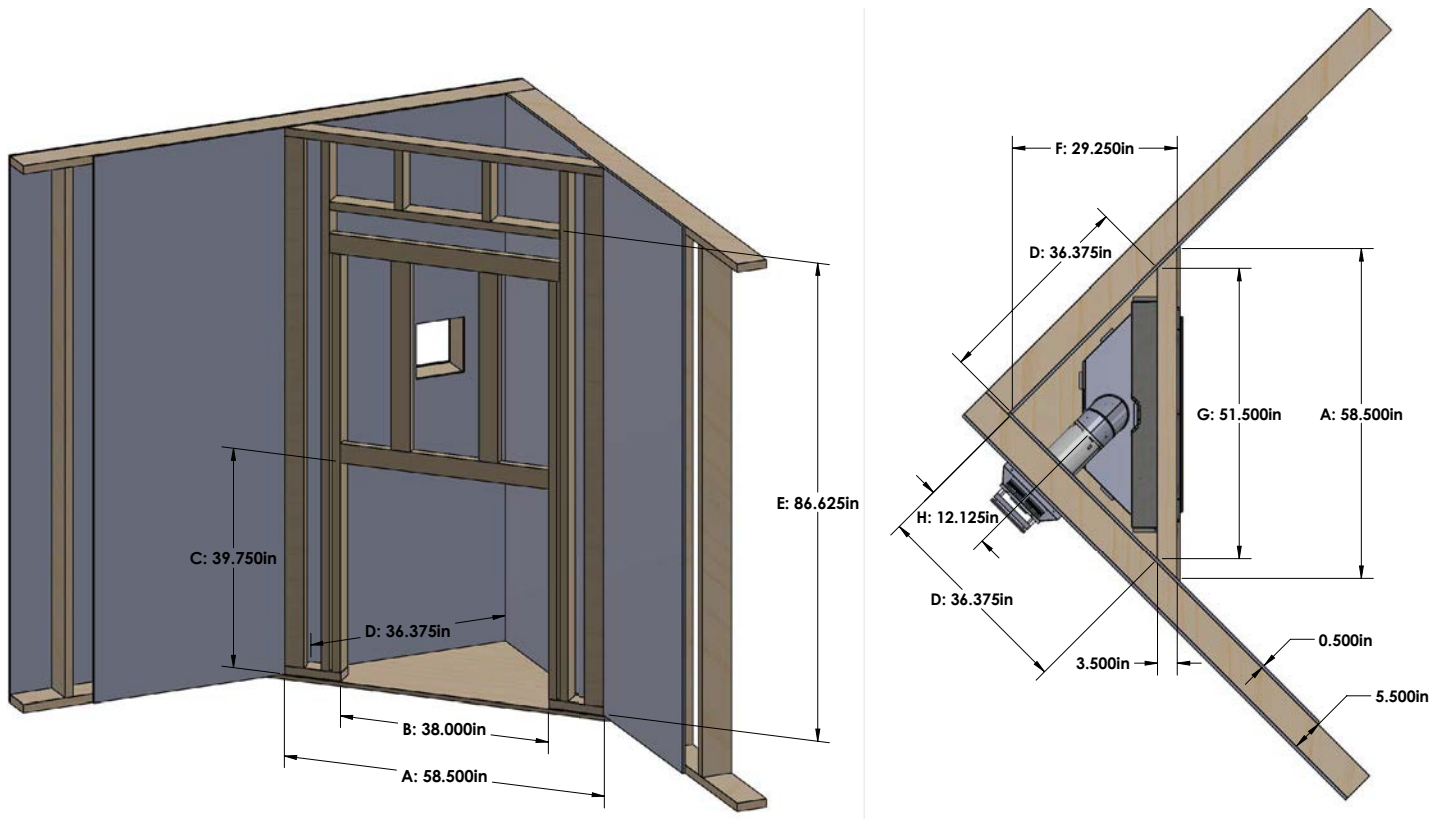


Figure 8.5.01

Dimension	3/8" Wall Board	1/2" Wall Board	5/8" Wall Board	3/4" Wall Board
A	58.375" (53-3/8")	58.5" (58-1/2")	58.625" (53-5/8")	58.75" (53-3/4")
B	38"			
C	39.750" (39-3/4")			
D	36.25" (36-1/4")	36.375" (36-3/8")	36.5" (36-1/2")	36.625" (36-5/8")
E	86.625" (86-5/8")			
F	29.125" (29-1/8")	29.25" (26-1/4")	29.375" (26-3/8")	29.5" (29-1/2")
G	51.375" (51-3/8")	51.5" (51-1/2")	51.625" (51-5/8")	51.75" (51-3/4")
H	12.125" (12-1/8")			

Note: See **Section 8.2** and **Section 8.3** for Discharge Head framing specifications.

9.0 Fireplace Clearances with I.H.E.A.T.

9.1 Mantel Clearances

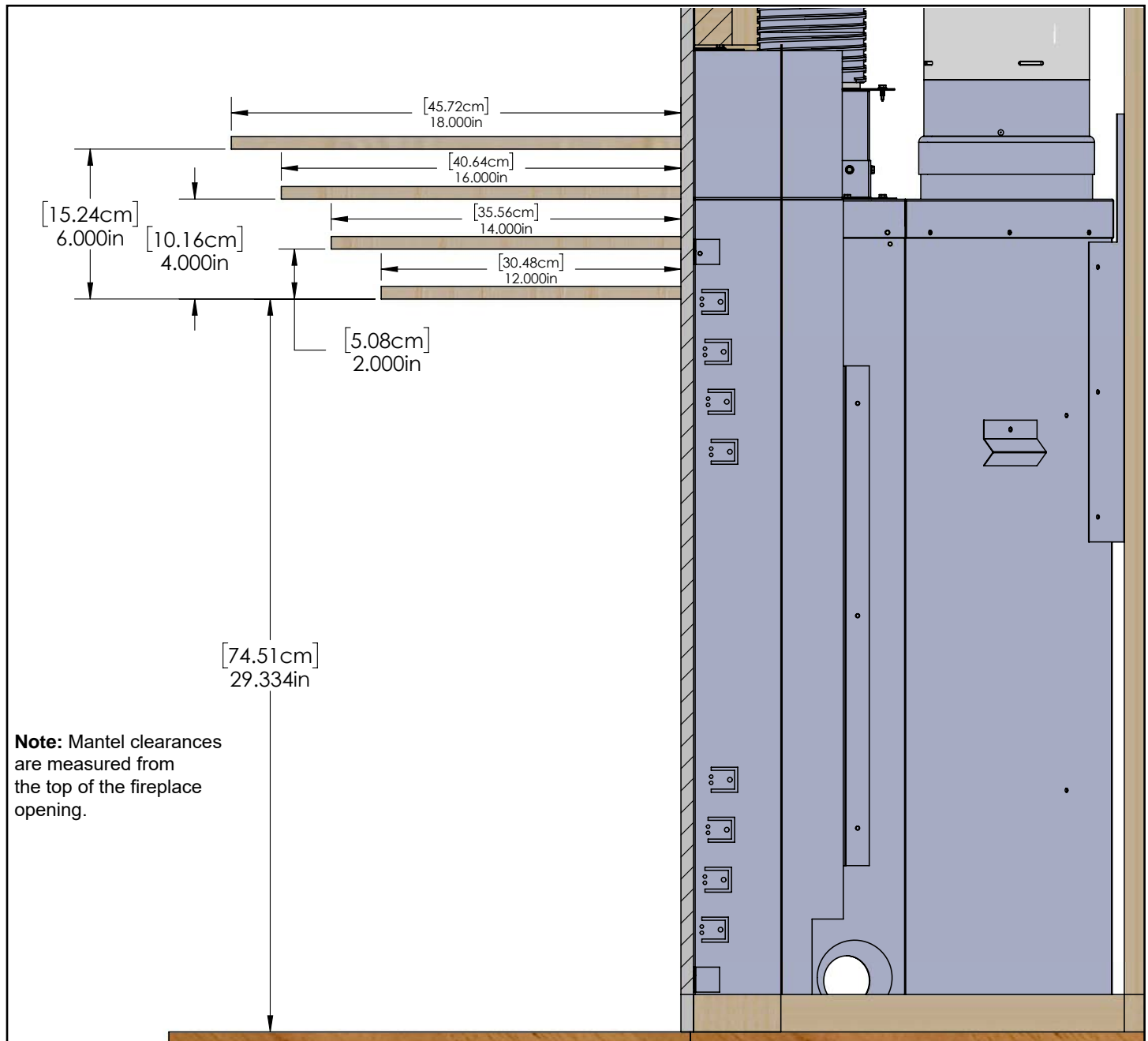


Figure 9.1.01

Installation

9.2 Installing a TV or hanging Artwork

WARNING

Most television manufacturers instruct the homeowner to never place a television above a heat source. Placing heat sensitive objects such as televisions or artwork above a heat source may affect the longevity of the item and negate any warranty the item may have. If you do place heat sensitive objects above the fireplace, please be aware of the large amount of heat generated by the fireplace. We recommend placing the item above a mantel to reduce the amount of heat that can reach the object. Archgard Industries does not take responsibility for any negative impact to objects placed near the fireplace.

WARNING

Always maintain a 10" clearance from the top of the fireplace opening to any heat sensitive objects. Be sure to protect any wires, cables, and other heat sensitive components from hot objects including the fireplace, ducting, discharge heads, and venting.

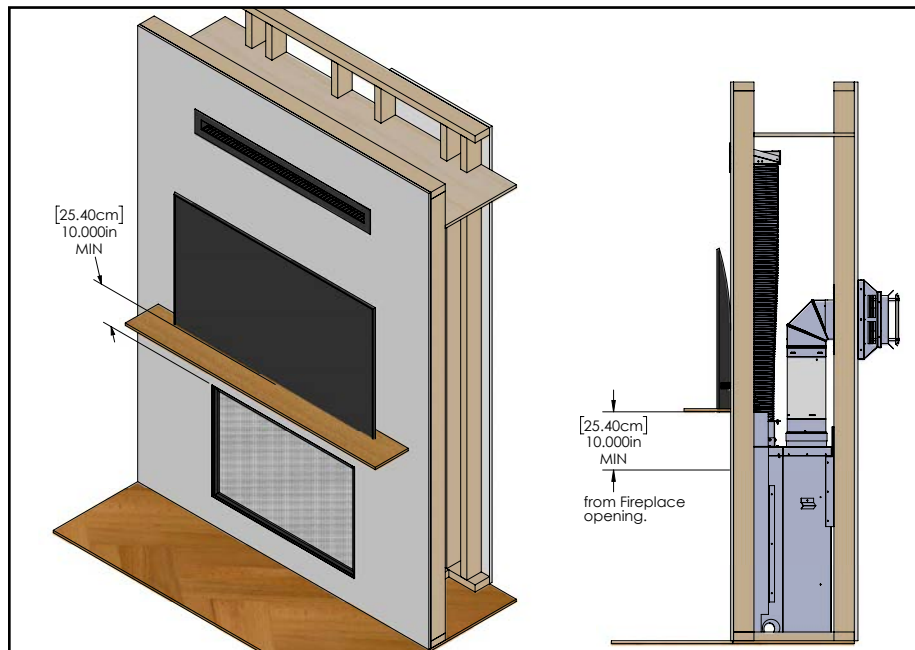


Figure 9.2.01

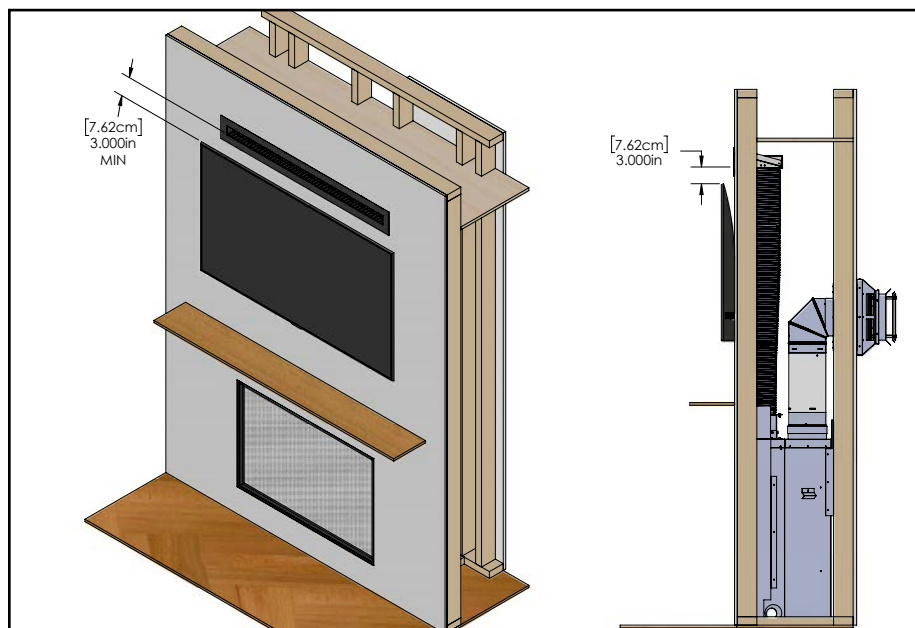


Figure 9.2.02

9.3 Ceiling and Floor Clearances

40" I.H.E.A.T. Discharge Head Clearance to Ceiling

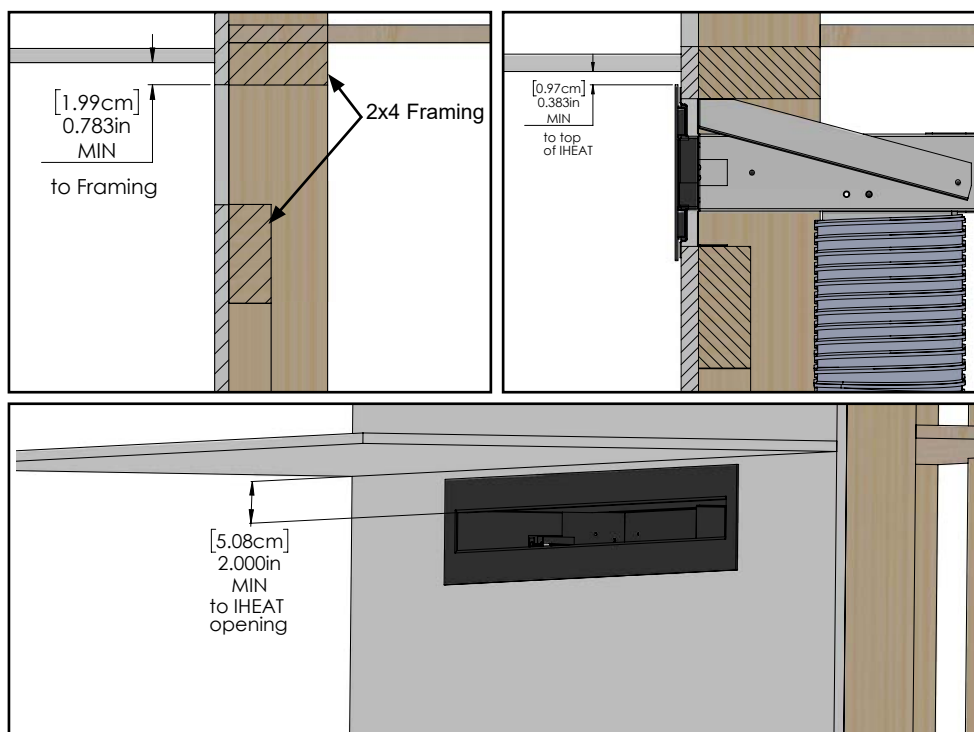


Figure 9.3.01

12" I.H.E.A.T. Discharge Head Clearance to Ceiling

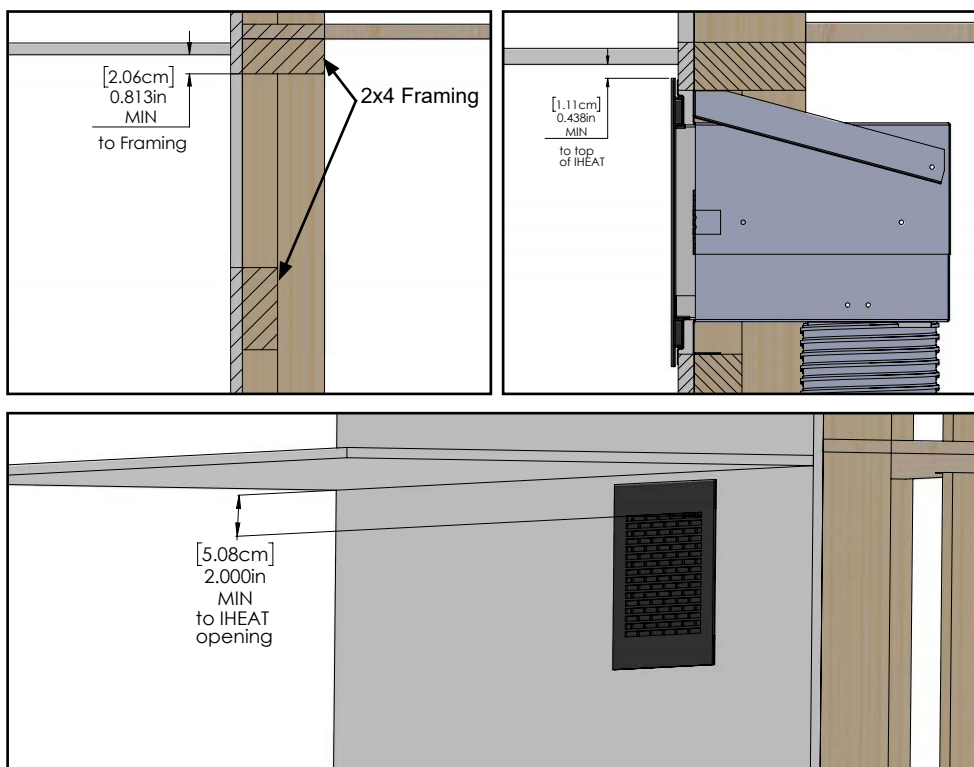


Figure 9.3.02

Installation

12" I.H.E.A.T. Discharge Head Clearance to Second Story Floor

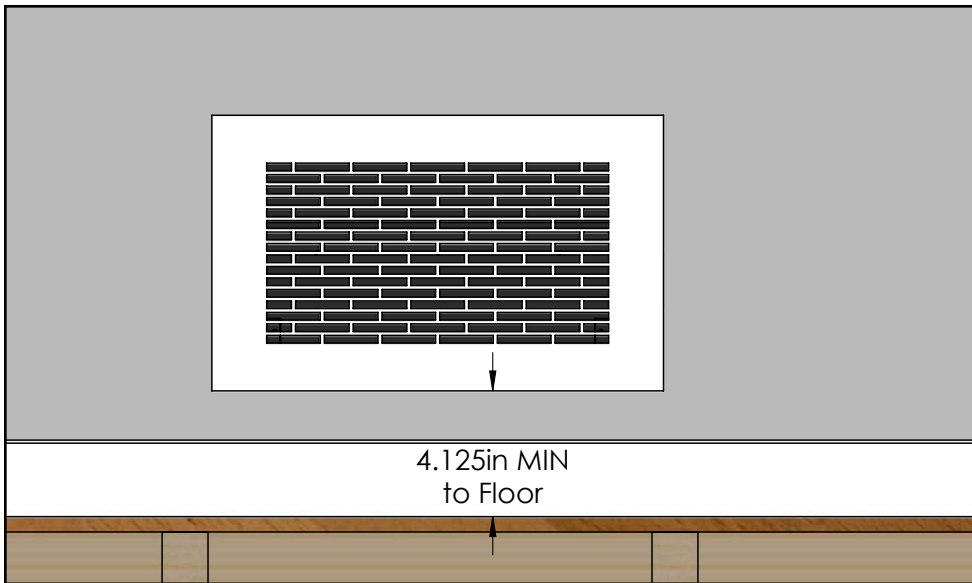


Figure 9.3.02

9.4 Clearance to Ducting

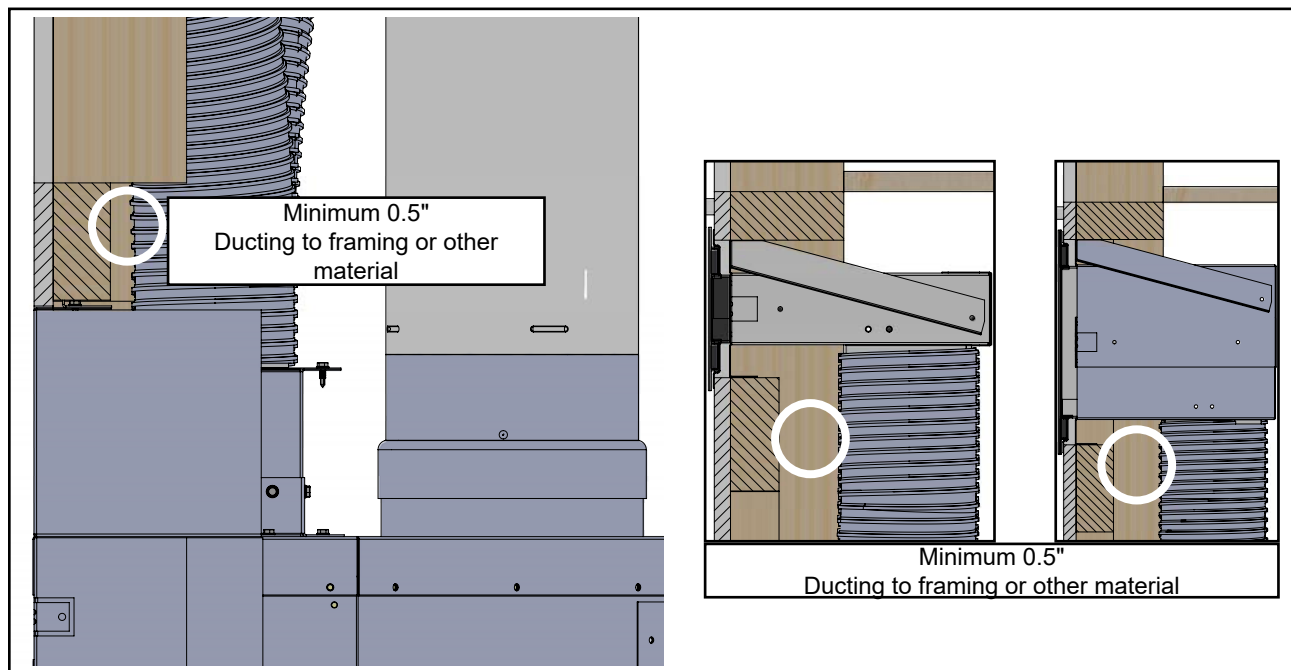


Figure 9.4.01

9.5 Adjusting for Variable Wall Thicknesses

The discharge heads may be adjusted from 0.375" to 3" to accommodate different wall thicknesses or finish materials. To adjust the discharge heads:

- Install I.H.E.A.T. Discharge Head A head as described in **Section 11.1** and **Section 11.2**
- Finish the surface around the I.H.E.A.T. Discharge Head A
- Slip I.H.E.A.T. Discharge Head B into the inner discharge head until it is flush with the finishing material
- Install the bolts to secure the outer discharge head in place
- Install the bezel as described in **Section 11.1** and **Section 11.2**

If the finish material is changed at any time, I.H.E.A.T. Discharge Head B may be adjusted by loosening the (2) bolts that hold it in place. The tabs on I.H.E.A.T. Discharge Head B should sit on the facing material when tightened. Do not block air openings inside the nailing strips when finishing around I.H.E.A.T. Discharge Head A.

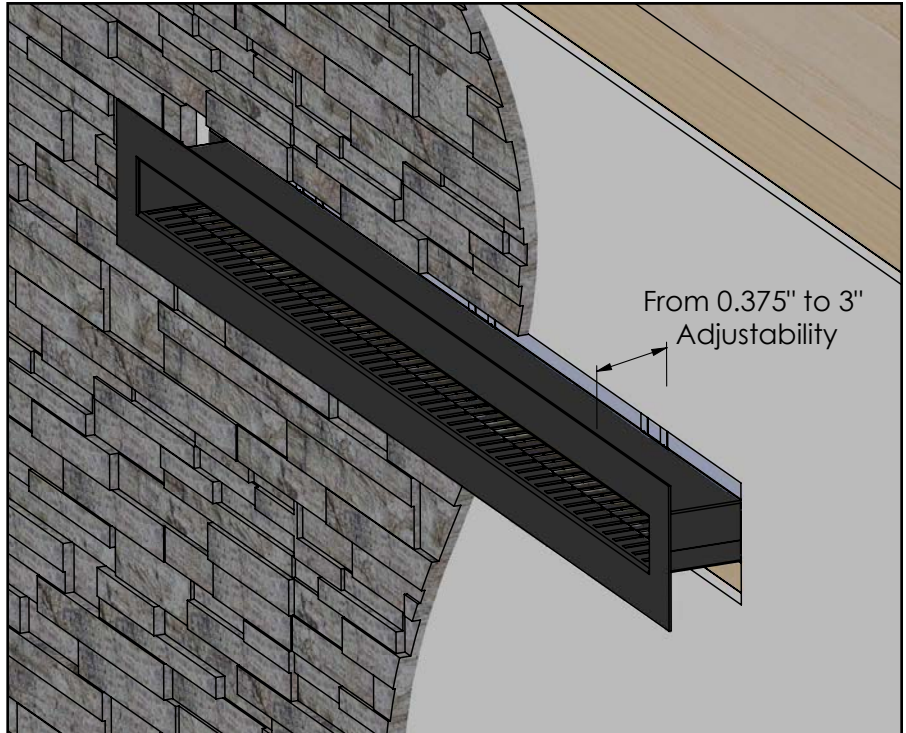


Figure 9.5.01

9.6 Optional Hearth Installation

Any hearth extending 12" or less from the front fireplace must be constructed of non-combustible material. A hearth is not required for installation.

Note: If installing a front, see the installation manual included with the front for hearth dimension information.

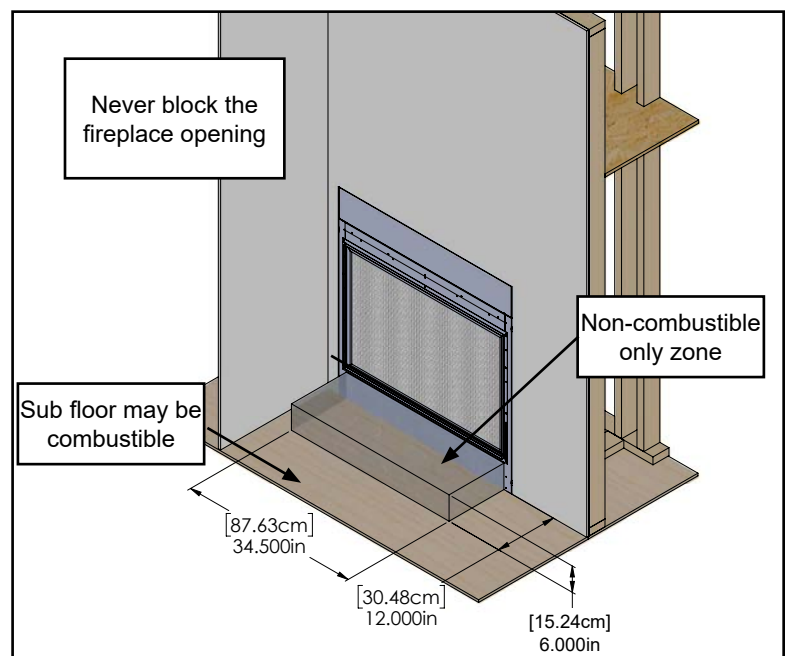


Figure 9.6.01

10.0 Ducting Run Guide

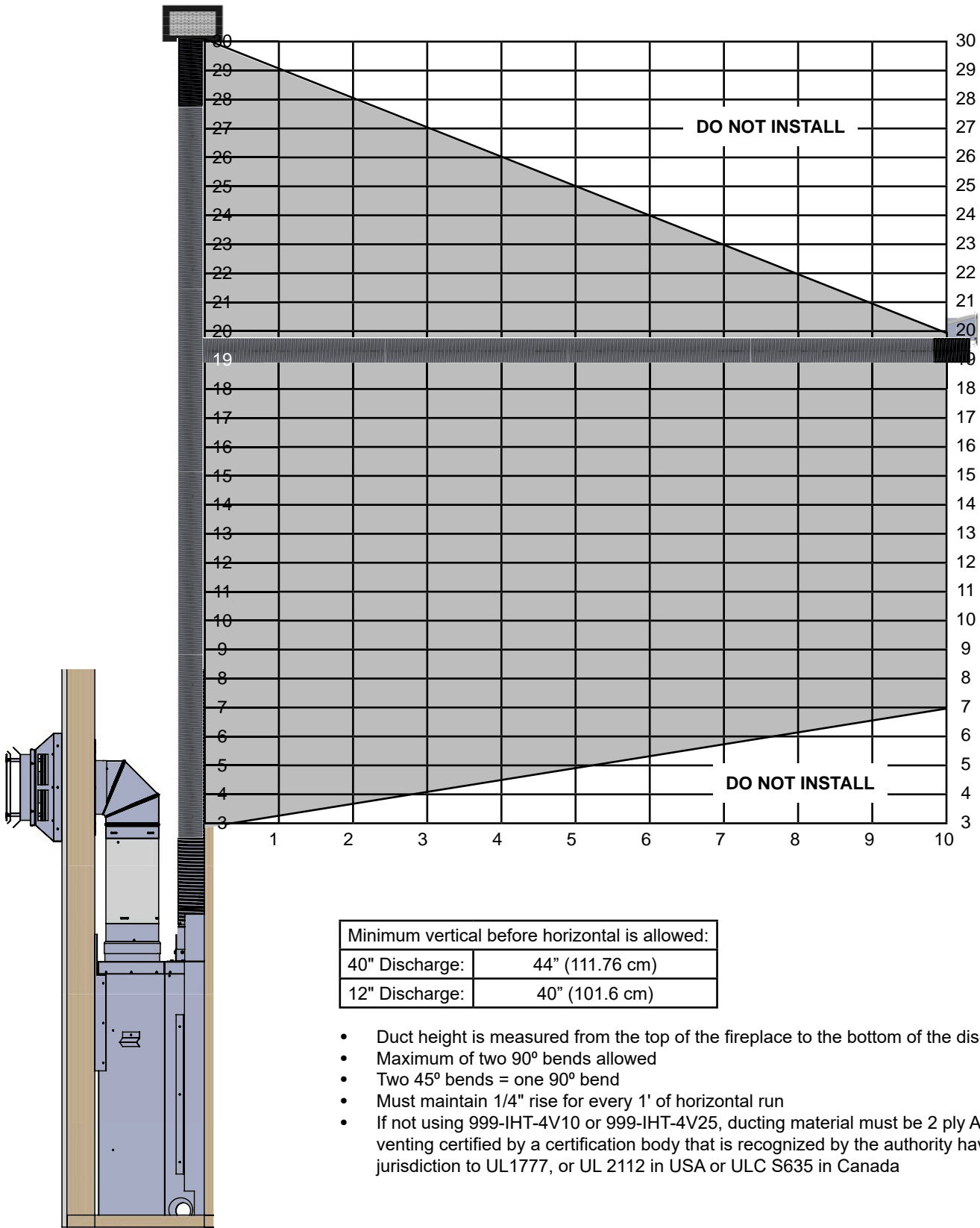


Figure 10.0.01

11.0 Installation

11.1 Installing the 12" x 6" Discharge Head

See **Section 5.1** for I.H.E.A.T. Discharge Head component naming.
Prior to installing this kit, ensure framing is complete according to Section 8 of this manual.

Step 1: Slide the I.H.E.A.T. Discharge Head A into the framing from inside the framing.

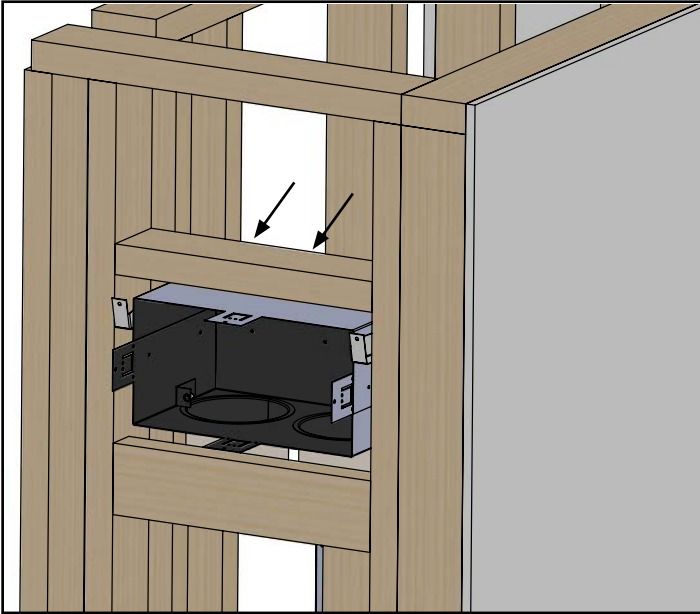


Figure 11.1.01

Step 2: Bend the (4) small stand-off tabs located on the four larger tabs, 90° outward.

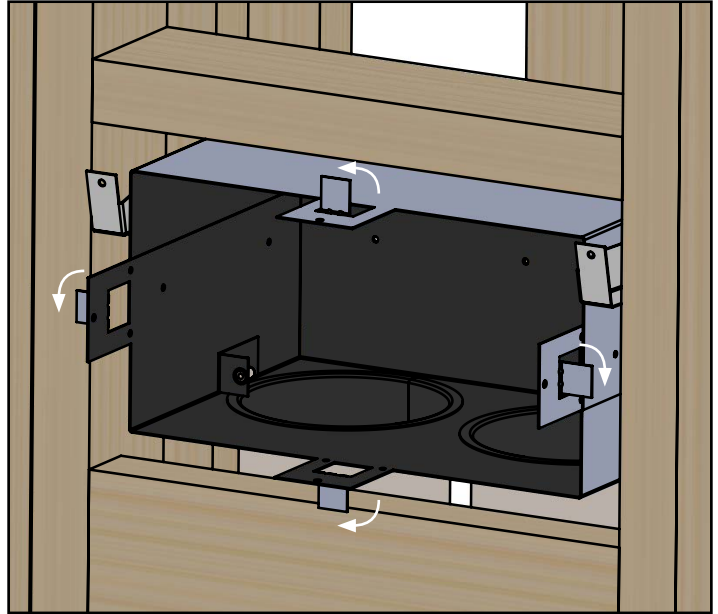


Figure 11.1.02

Step 3: Make sure the I.H.E.A.T. Discharge Head A is square. Bend the larger tabs 90° inward so that they sit flush with the framing. Install (6) screws (not included) to mount the head.

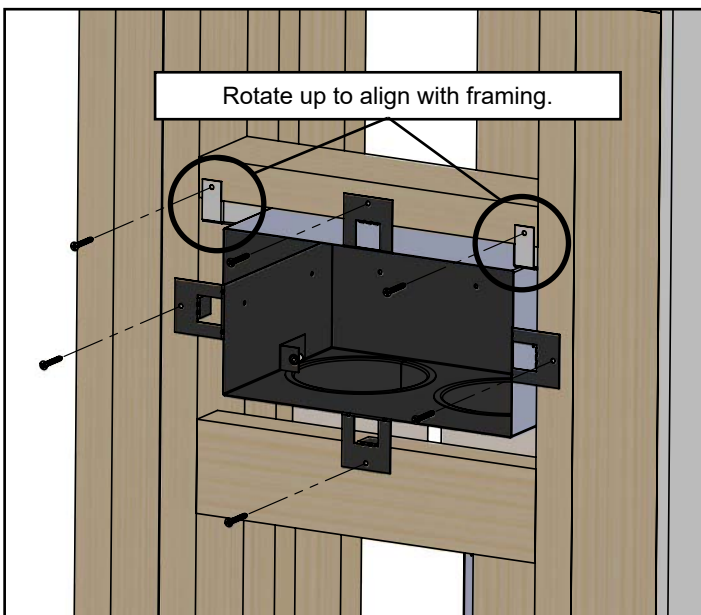


Figure 11.1.03

Step 4: Bend the two finishing strips 90° at the large cut-out as shown.

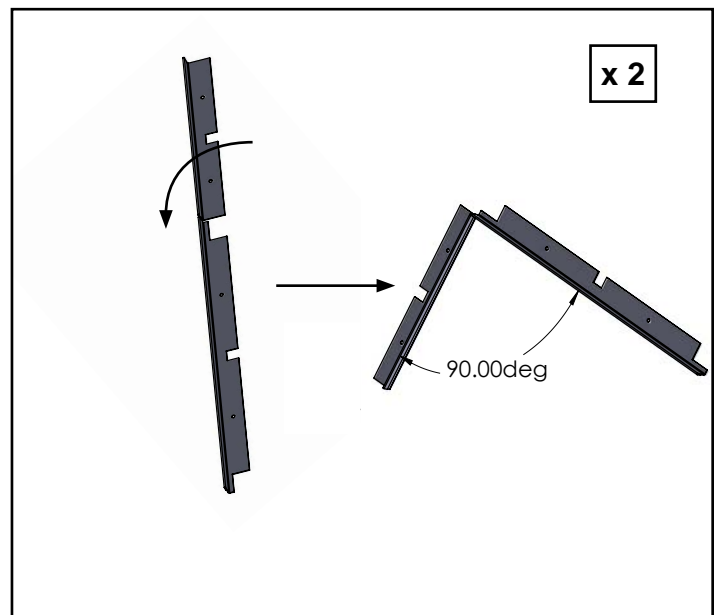


Figure 11.1.04

Installation

Step 5: Install the finishing strips using the (8) screws (not included). The finishing strip sits flush with the framing and provides an air opening - do not block the air opening.

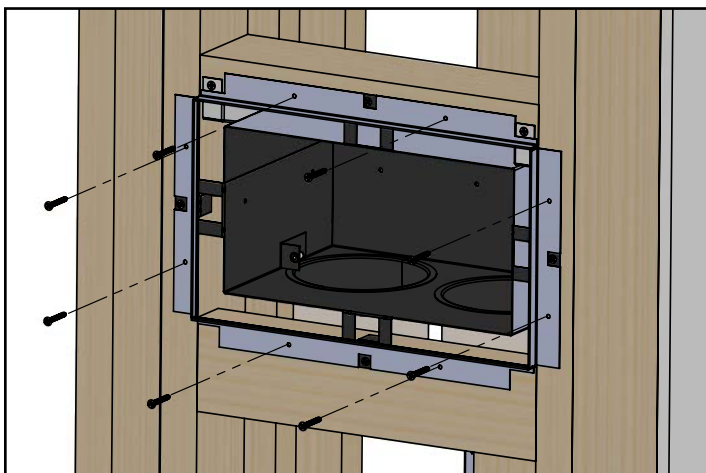


Figure 11.1.05

Step 7: Finish around the I.H.E.A.T. Discharge Head A including any material such as brick or tile.

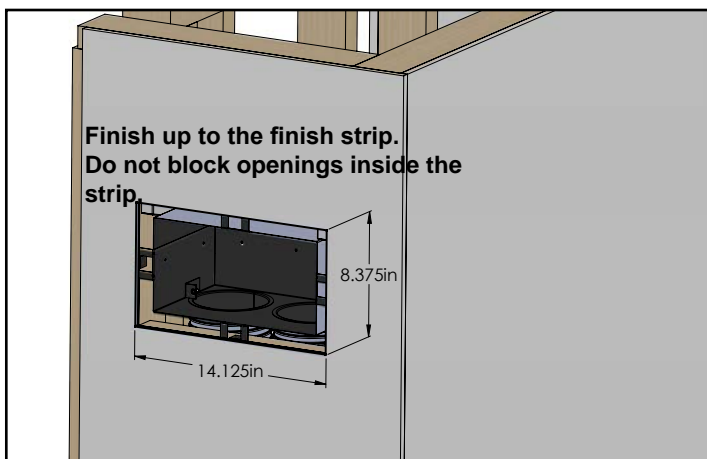


Figure 11.1.07

Step 9: The tabs on I.H.E.A.T. Discharge Head B will sit on the face material.

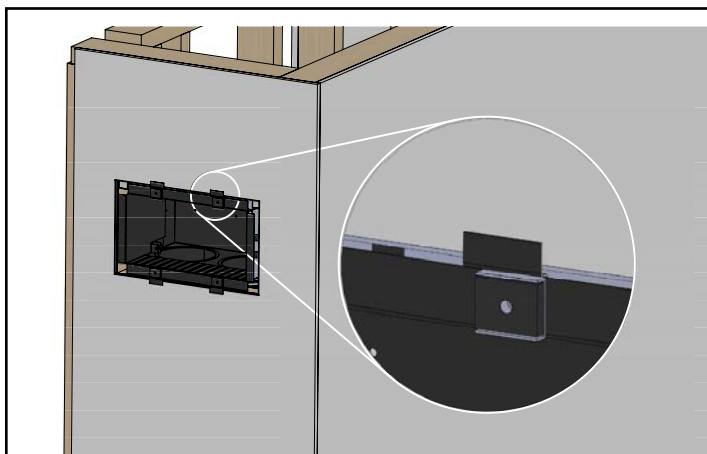


Figure 11.1.09

Step 6: Connect the ducting to the inner head. Use high temperature silicone and at least three tek screws to secure the duct end.

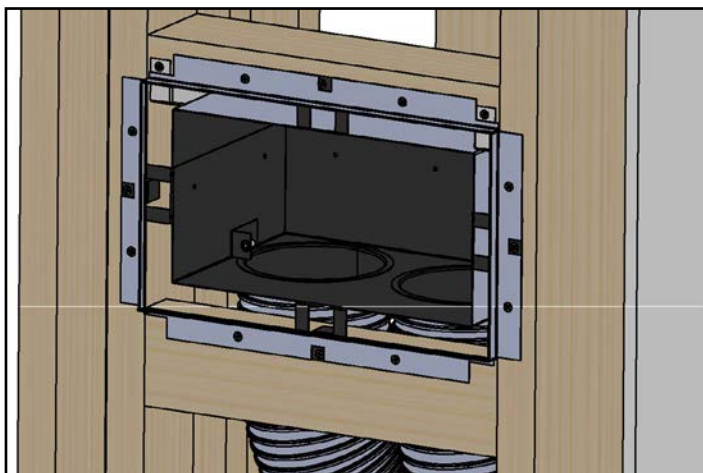


Figure 11.1.06

Step 8: Slide I.H.E.A.T. Discharge Head B into the I.H.E.A.T. Discharge Head A. The tabs on I.H.E.A.T. Discharge Head B will sit on the face material.

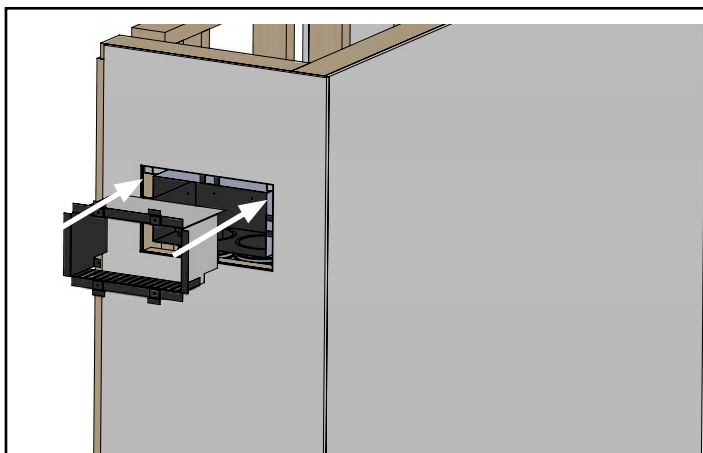


Figure 11.1.08

Step 10: Use the (2) 8-32 bolts included to secure I.H.E.A.T. Discharge Head B.

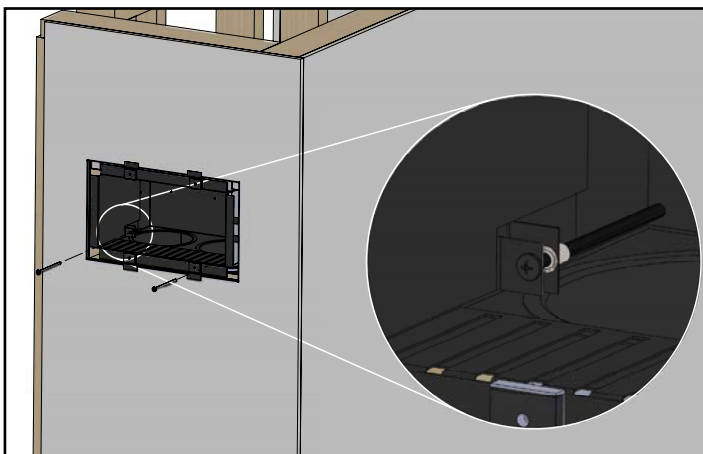


Figure 11.1.10

Installation

Step 11: The I.H.E.A.T. Bezel (item C) attaches to the magnets located on I.H.E.A.T. Discharge Head B. Install with the slotted flange facing down.

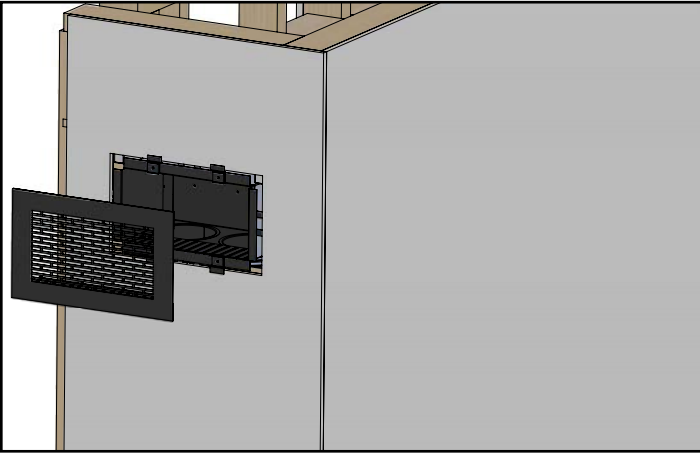


Figure 11.1.11

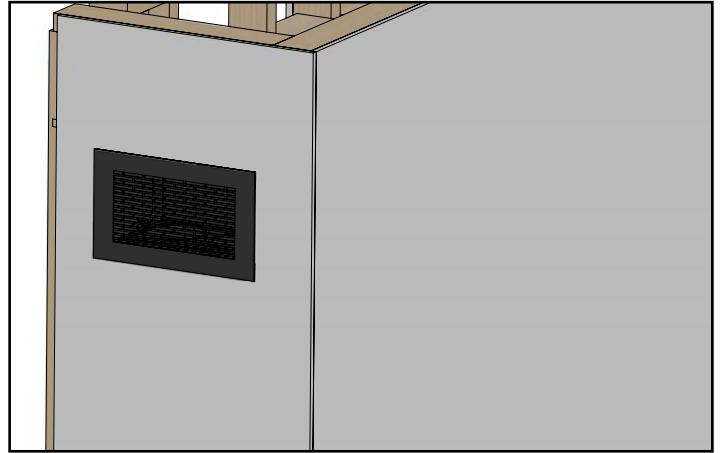


Figure 11.1.12

Installation

11.2 Installing the 40" Discharge Head

See **Section 5.2** for I.H.E.A.T. Discharge Head component naming.
Prior to installing this kit, ensure framing is complete according to Section 8 of this manual.

Step 1: Slide I.H.E.A.T. Discharge Head A into the framing from inside the framing.

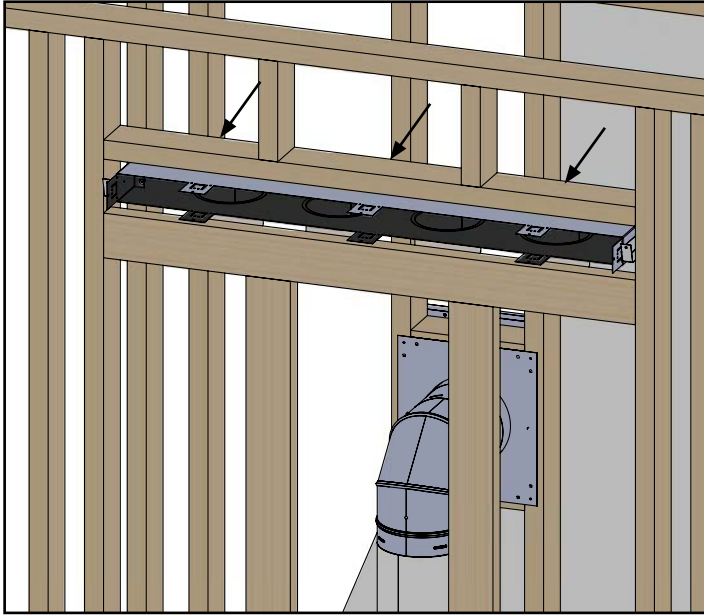


Figure 11.2.01

Step 2: Bend the (8) small stand-off tabs located on the eight larger tabs, 90° outward.

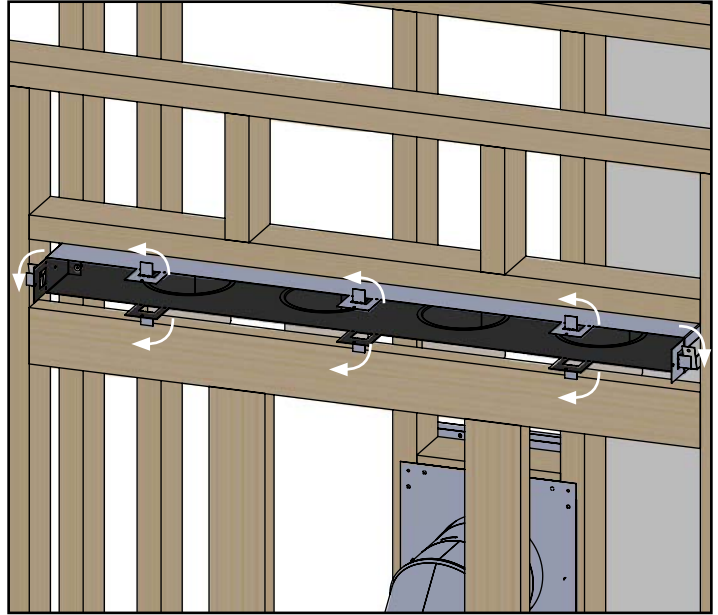


Figure 11.2.02

Step 3: Make sure the I.H.E.A.T. Discharge Head A is square. Bend the larger tabs 90° inward so that they sit flush with the framing. Install (10) screws (not included) to mount the head.

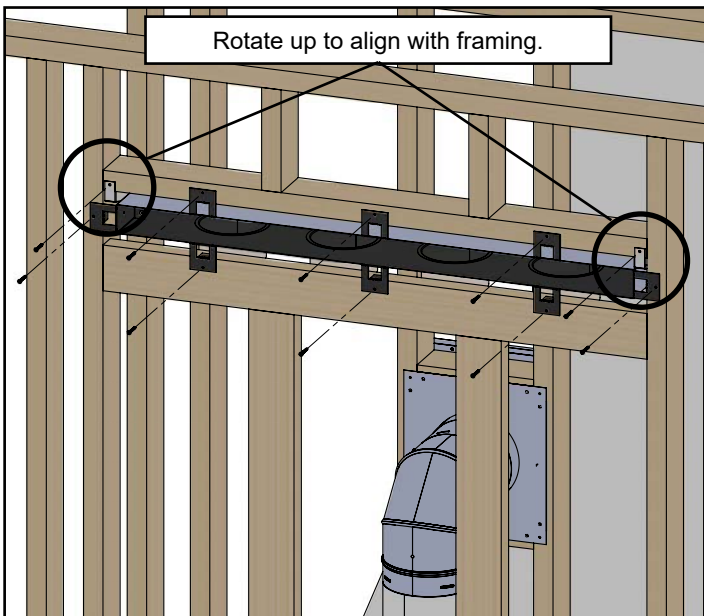


Figure 11.2.03

Step 4: Bend the two finishing strips 90° at the large cut-out as shown.

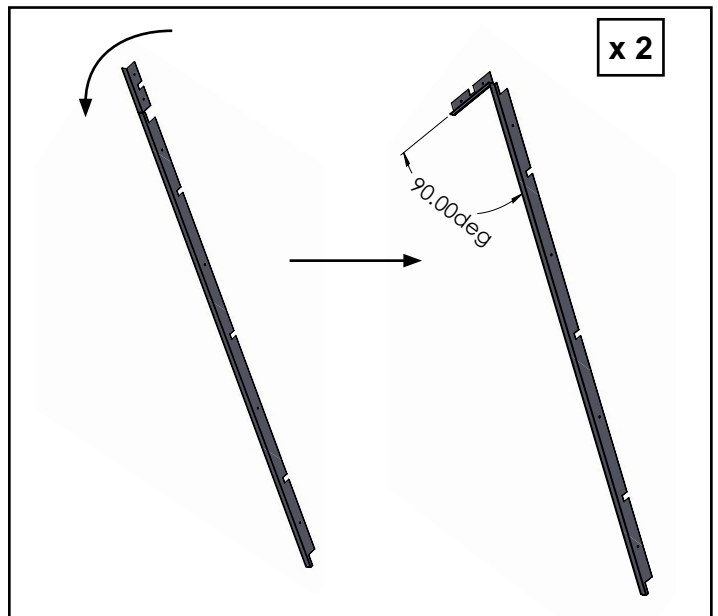


Figure 11.2.04

Installation

Step 5: Install the finishing strip using (12) screws (not included). The finishing strip sits flush with the framing and provides an air opening - do not block the air opening.

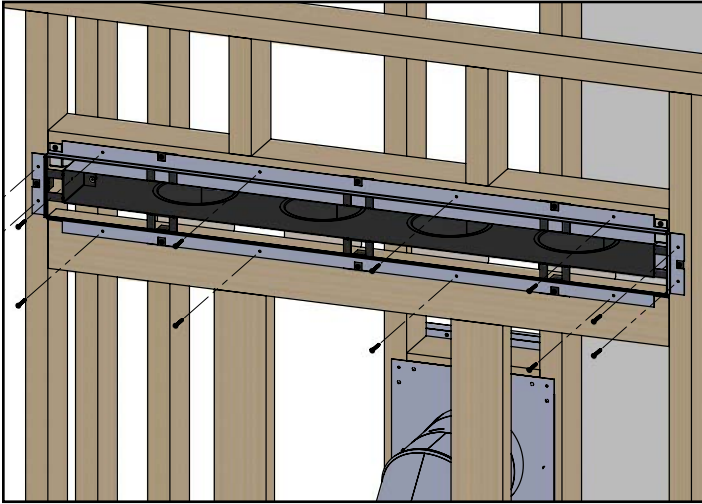


Figure 11.2.05

Step 6: Connect the ducting to the inner head. Use high temperature silicone and at least three tek screws to secure each duct end.

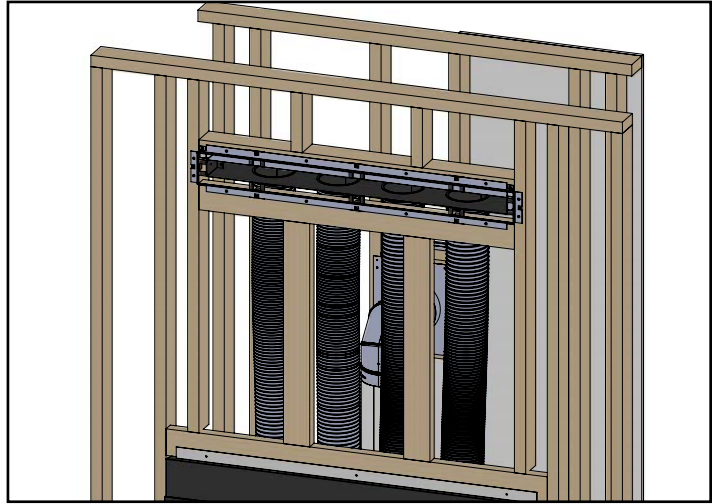


Figure 11.2.06

Step 7: Finish around the I.H.E.A.T. Discharge Head A including any material such as brick or tile.

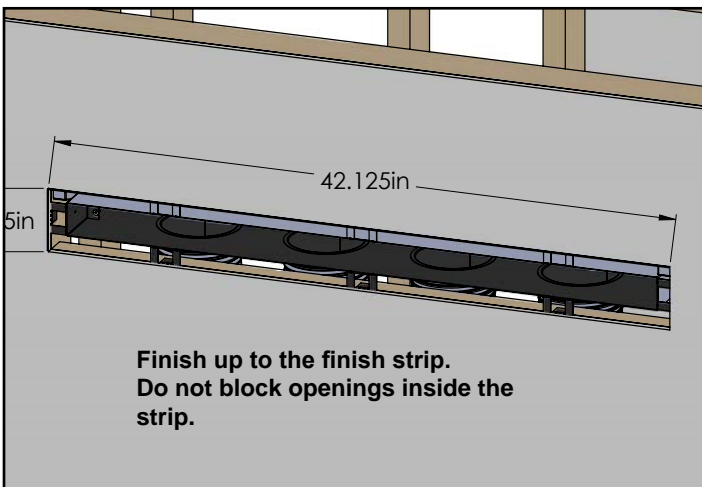


Figure 11.2.07

Step 8: Slide I.H.E.A.T. Discharge Head B into the I.H.E.A.T. Discharge Head A.

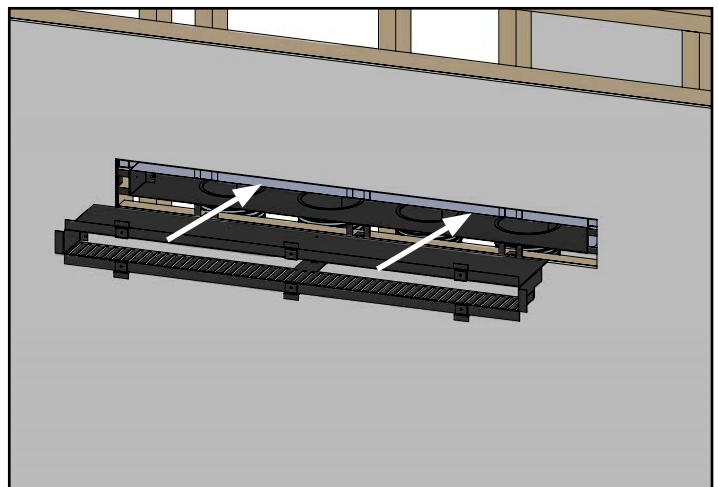


Figure 11.2.08

Step 9: The tabs on I.H.E.A.T. Discharge Head B will sit on the face material.

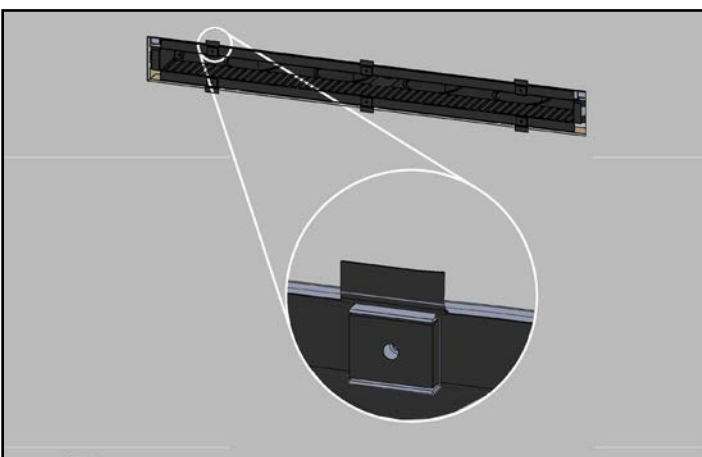


Figure 11.2.09

Step 10: Use the (2) 8-32 bolts included to secure I.H.E.A.T. Discharge Head B.

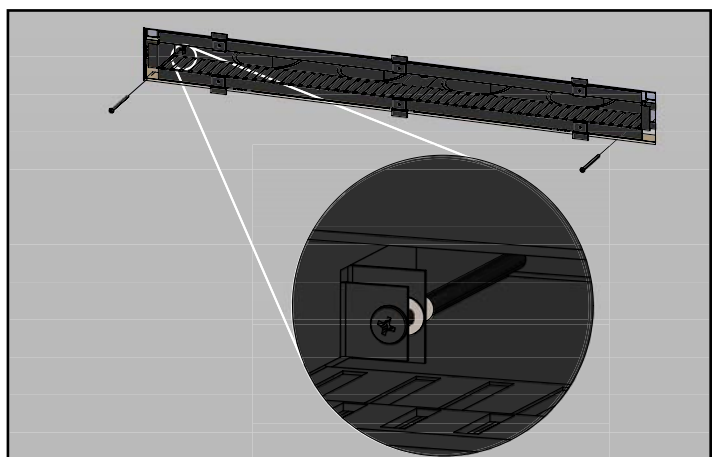


Figure 11.2.10

Installation

Step 11: The I.H.E.A.T. Bezel (C) attaches to the magnets located on I.H.E.A.T. Discharge Head B. Install with the slotted flange facing down.

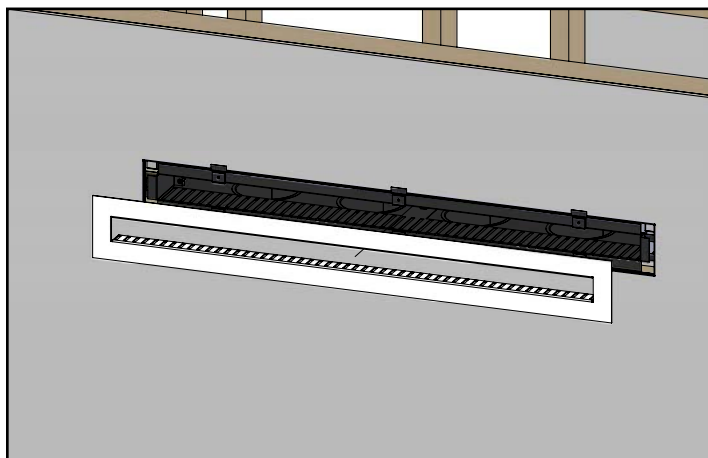


Figure 11.2.11

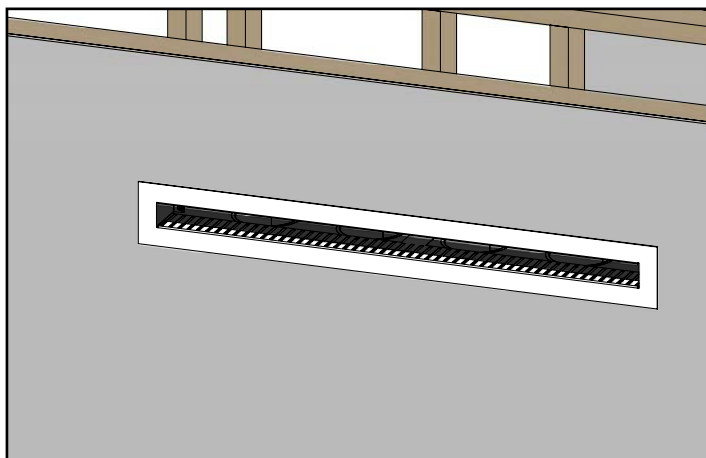


Figure 11.2.12

Installation

11.3 Second Story Installation

See **Section 5.2** for I.H.E.A.T. Discharge Head component naming.

When installing the I.H.E.A.T. Discharge Head in another story, it may be necessary to modify the framing by removing some material to allow the discharge head to sit back. If the areas shown are not modified, the discharge head may sit too far forward which will result in an impact on the back side of Discharge Head A.

Caution: if the wall is a load bearing wall you must support the weight by adding new studs to each side of the install location.

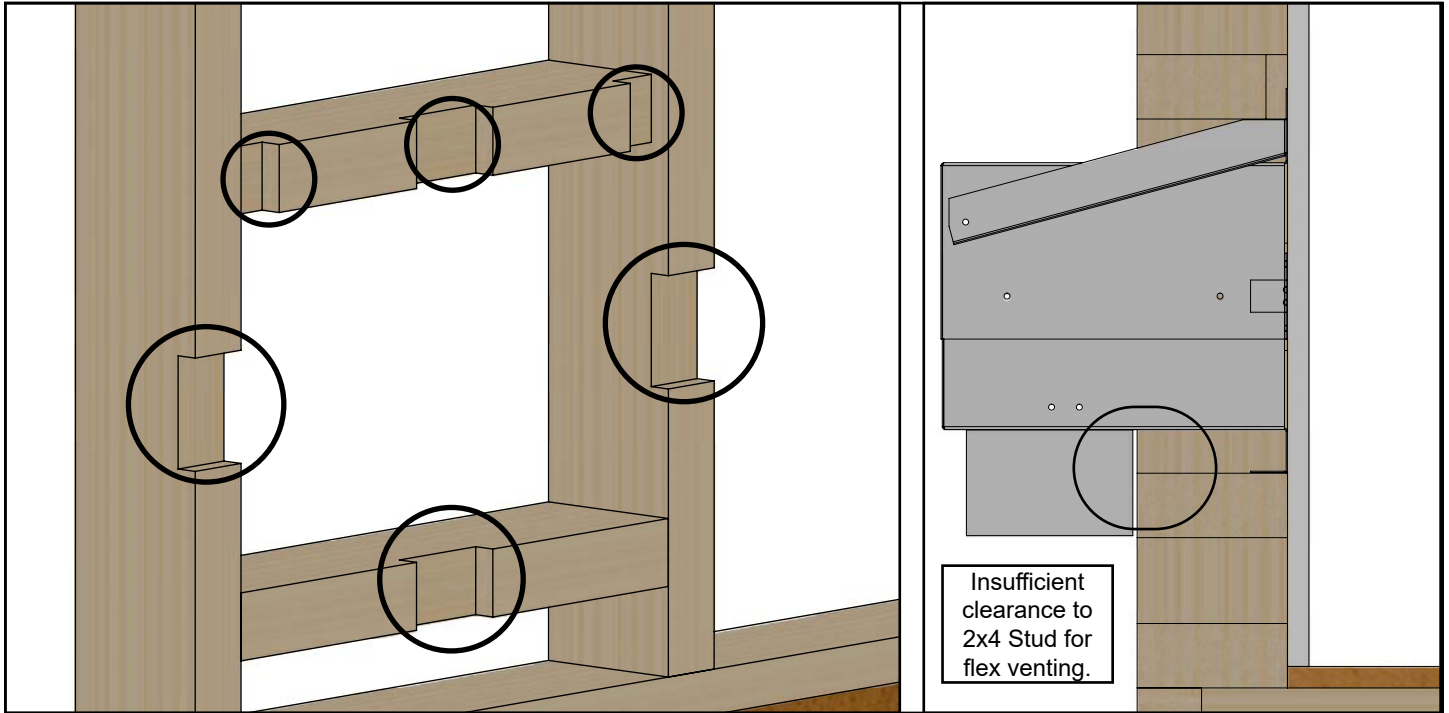


Figure 11.3.01

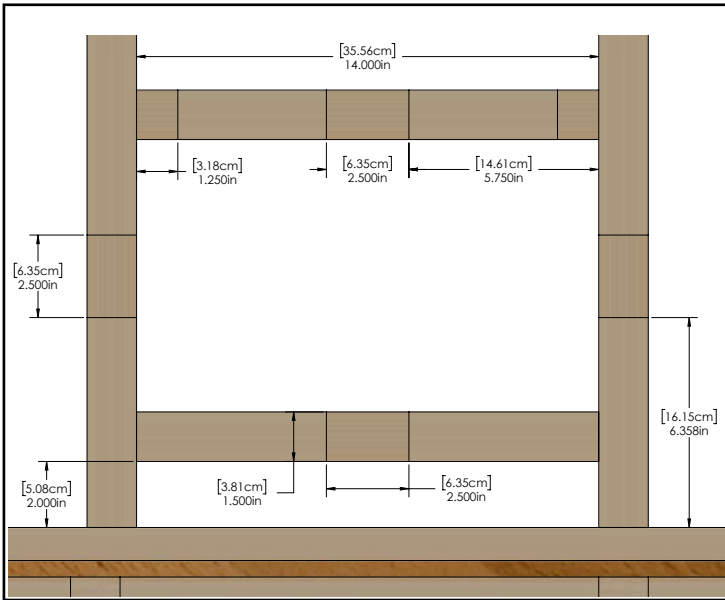


Figure 11.3.02

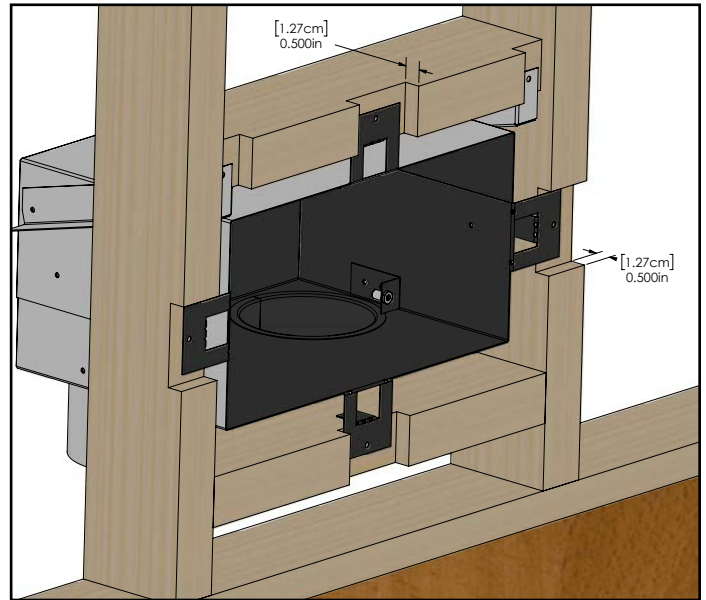


Figure 11.3.03

Installation

Step 01: Cut (6) sections 1.5" deep where nailing flanges will meet the 2x4.

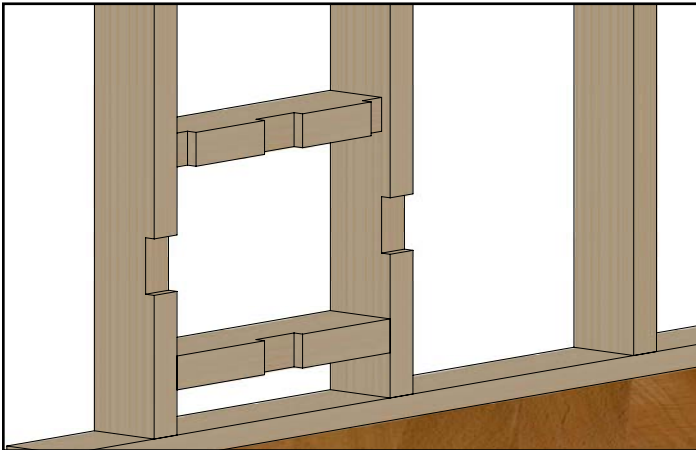


Figure 11.3.04

Step 3: Bend the (4) small stand-off tabs located on the four larger tabs, 90° outward.

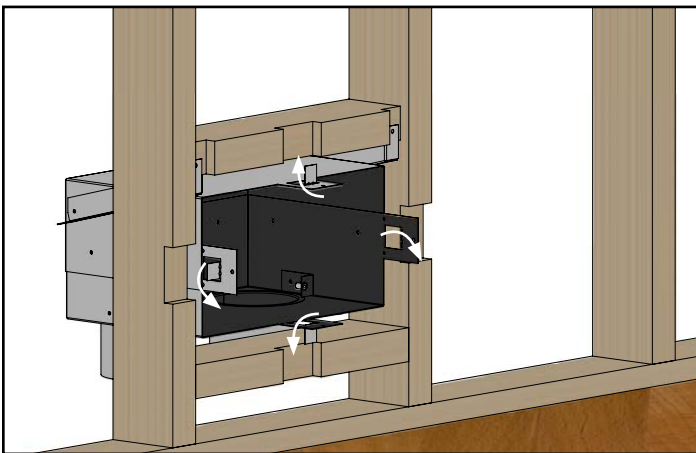


Figure 11.3.06

Step 5: Bend the two finishing strips 90° at the large cut-out as shown.

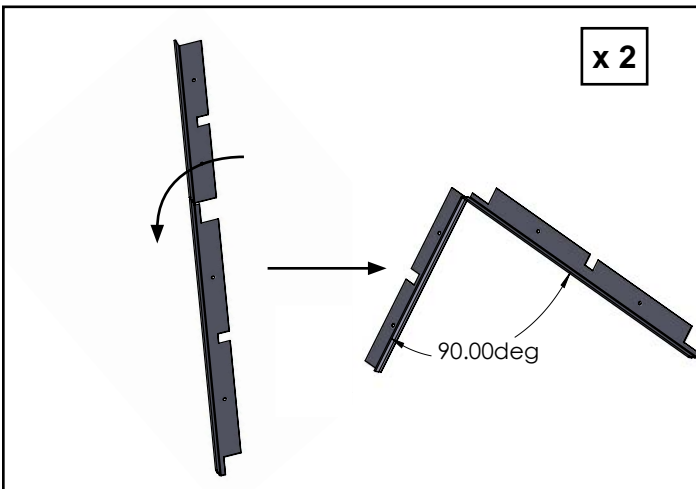


Figure 11.3.08

Step 02: Slide I.H.E.A.T. Discharge Head A from inside the wall.

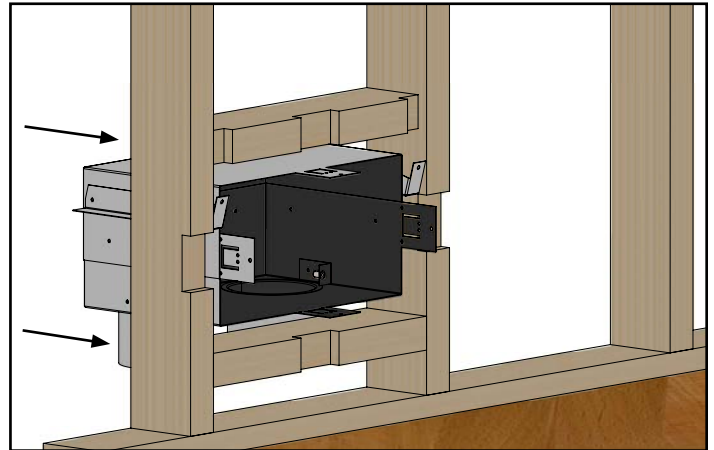


Figure 11.3.05

Step 4: Make sure the I.H.E.A.T. Discharge Head A is square. Bend the (4) larger tabs 90° inward so that they sit flush with the cut-outs in the framing. Install (6) screws (not included) to mount the head.

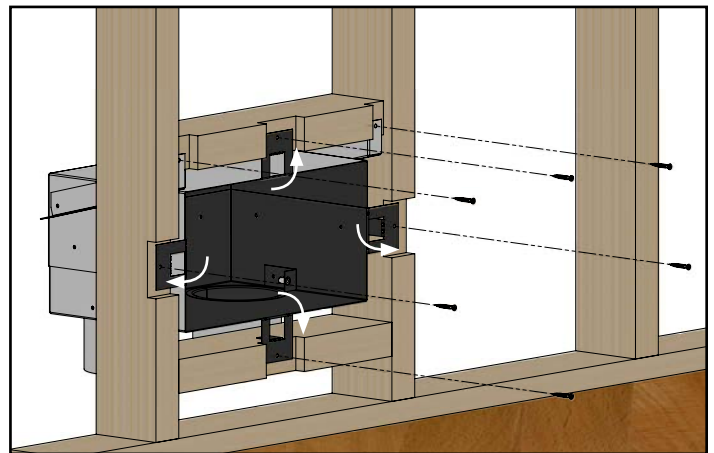


Figure 11.3.07

Step 6: Install the finishing strips using (8) screws (not included). The finishing strip sits flush with the framing and provides an air opening - do not block the air opening.

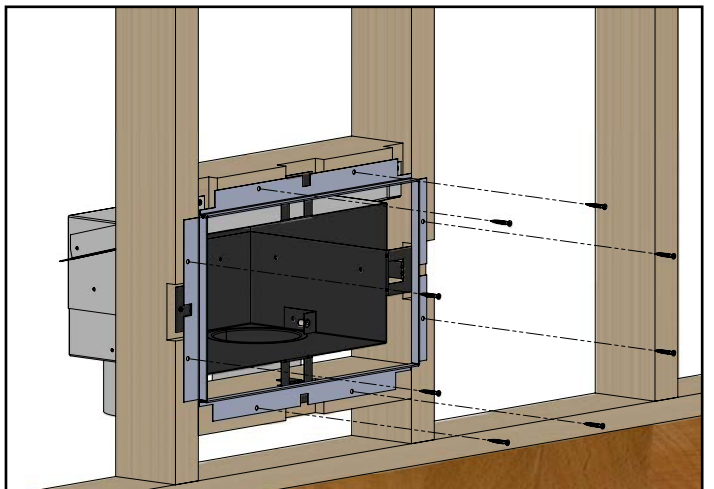


Figure 11.3.09

Installation

Step 7: Connect the ducting to the inner head. Use high temperature silicone and at least three tek screws to secure each duct end.

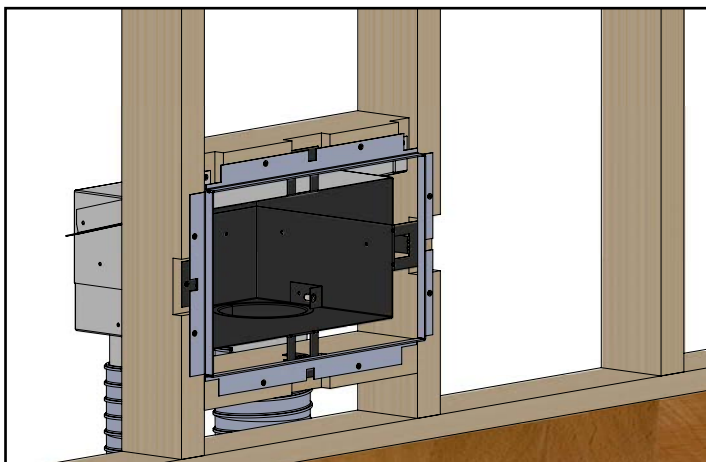


Figure 11.3.10

Step 8: Finish around the I.H.E.A.T. Discharge Head A including any material such as brick or tile.

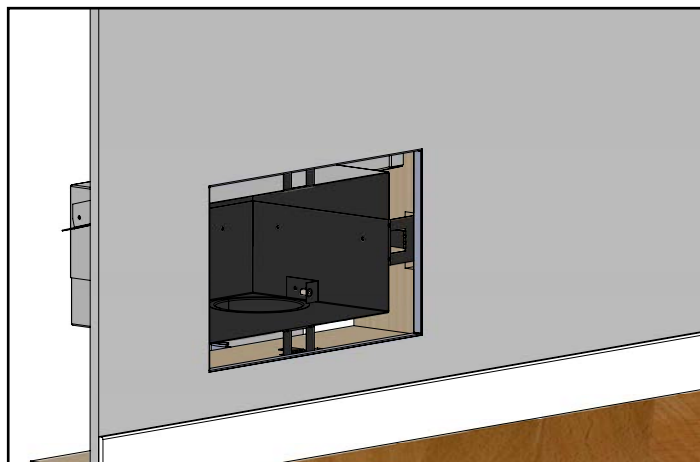


Figure 11.3.11

Step 9: Slide I.H.E.A.T. Discharge Head B into the I.H.E.A.T. Discharge Head A. The tabs on I.H.E.A.T. Discharge Head B will sit on the face material.

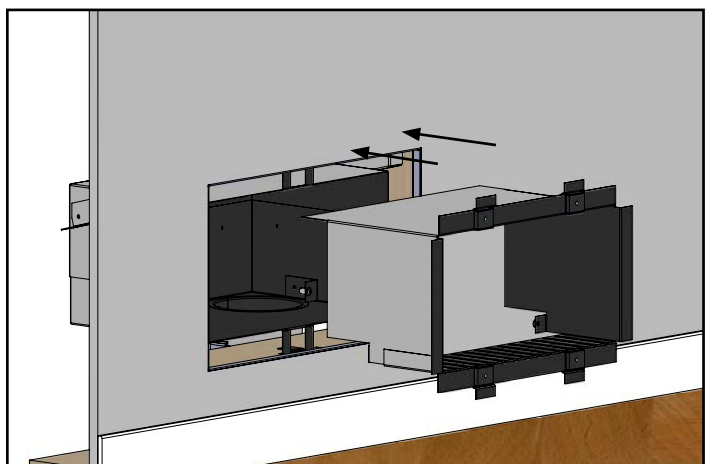


Figure 11.3.12

Step 10: Use the (2) 8-32 bolts included to secure I.H.E.A.T. Discharge Head B.

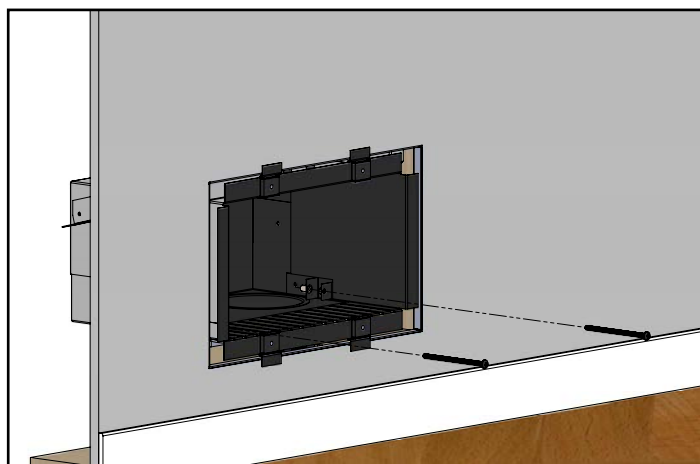


Figure 11.3.13

Step 11: The I.H.E.A.T. Bezel (item C) attaches to the magnets located on I.H.E.A.T. Discharge Head B. Install with the slotted flange facing down.

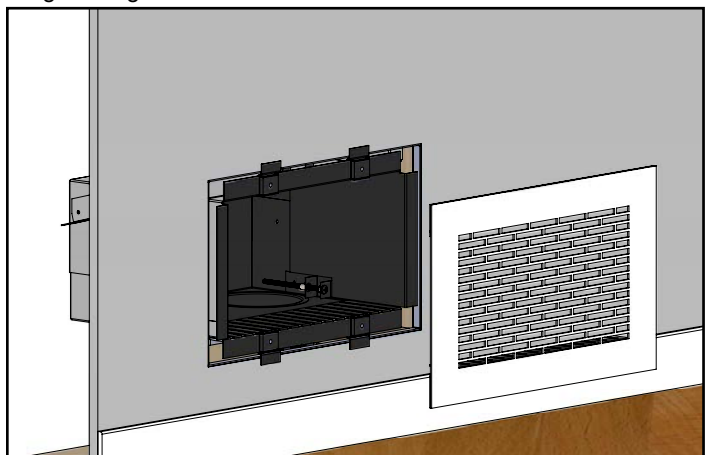


Figure 11.3.14

11.4 Installing a Horizontal Firestop

Prior to installing a firestop, please ensure framing is complete according to Section 8 of this manual.

Step 1: Bend the smaller tabs located on the firestop.

Step 2: Align the firestop with the small tabs bent to the inside of the framing.

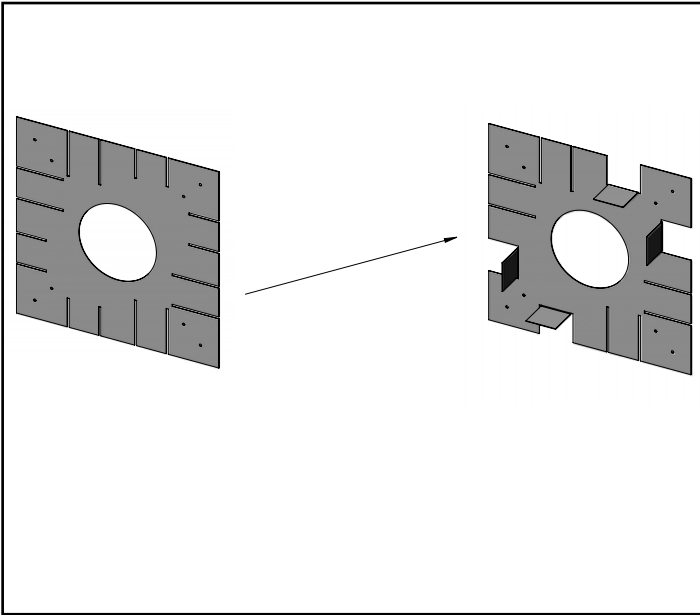


Figure 11.4.01

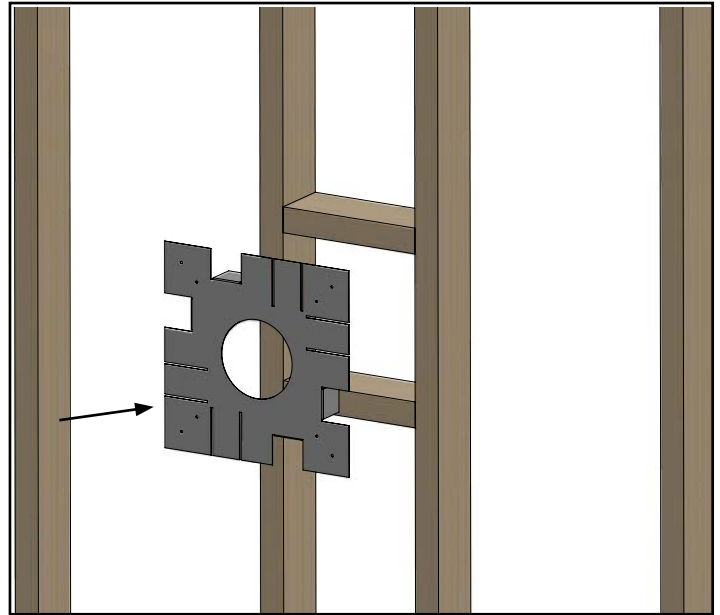


Figure 11.4.02

Step 3: Attach the firestop using (4) screws (not included) in the outer holes.

Step 4: Pass the ducting through the firestop.

Step 5: Use high temperature silicone to fill any gaps in the firestop and around the ducting.

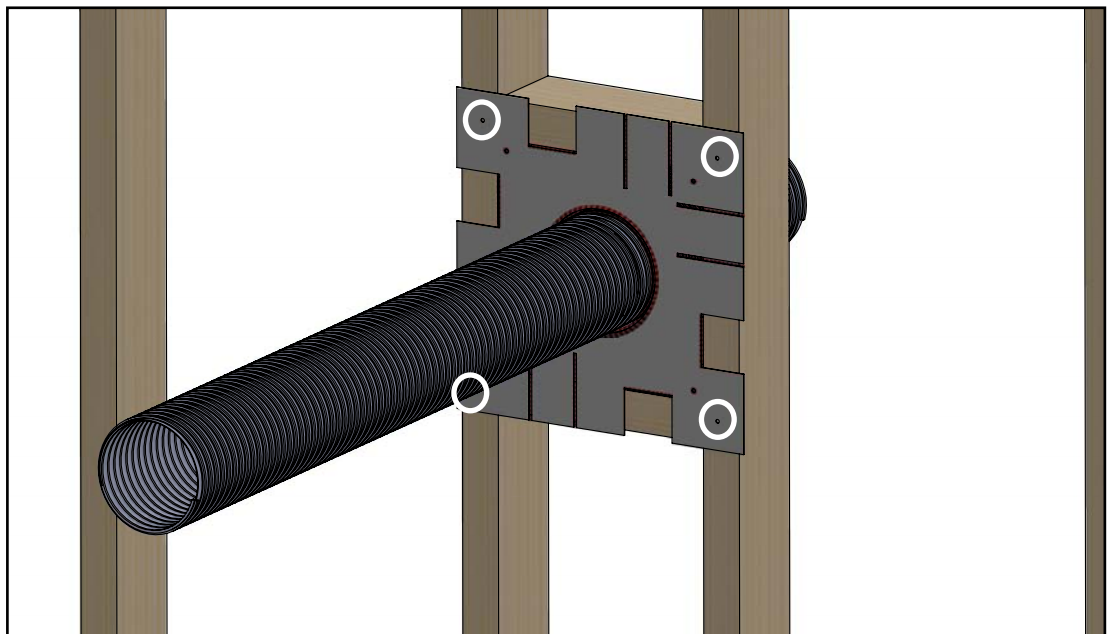


Figure 11.4.03

11.5 Installing a Vertical Firestop

Prior to installing this a firestop, please ensure framing is complete according to **Section 8** of this manual.

Step 1: Bend the larger tabs located on the firestop.

Step 2: Align the firestop with the large tabs bent to the inside of the framing opening.

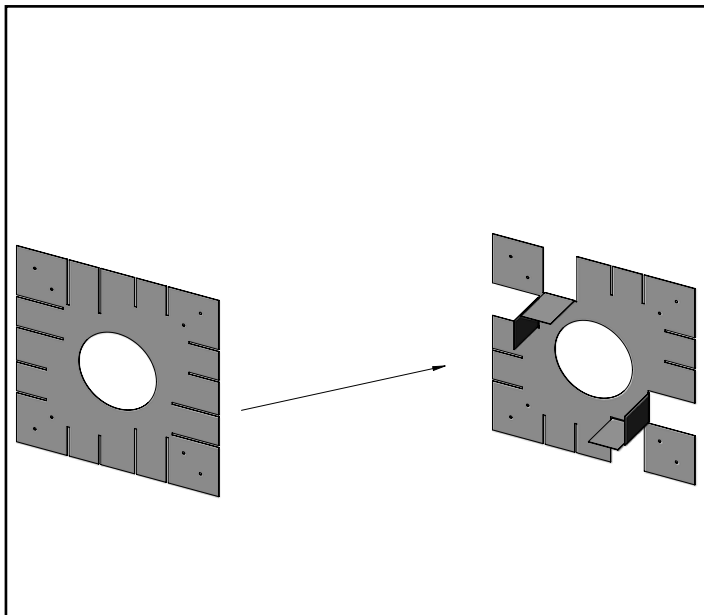


Figure 11.5.01

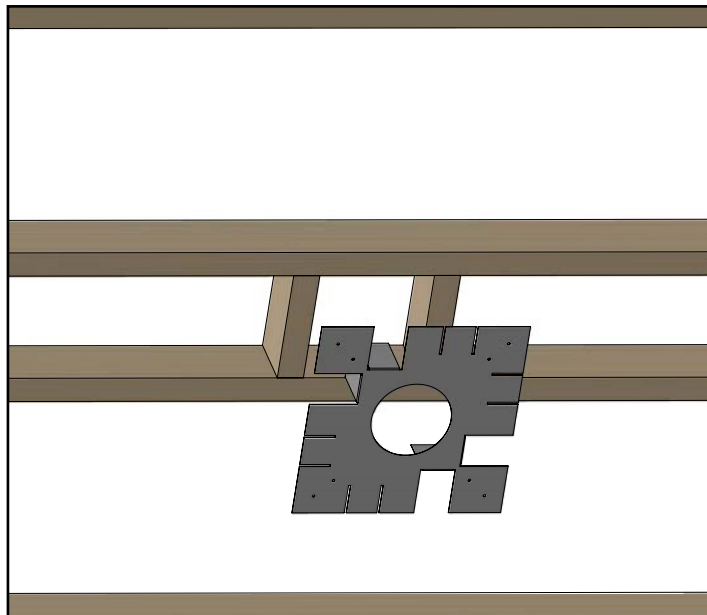


Figure 11.5.02

Step 3: Attach the firestop using (4) screws in the inner holes.

Step 4: Pass the ducting through the firestop.

Step 5: Use silicone to fill any gaps in the firestop and around the ducting.

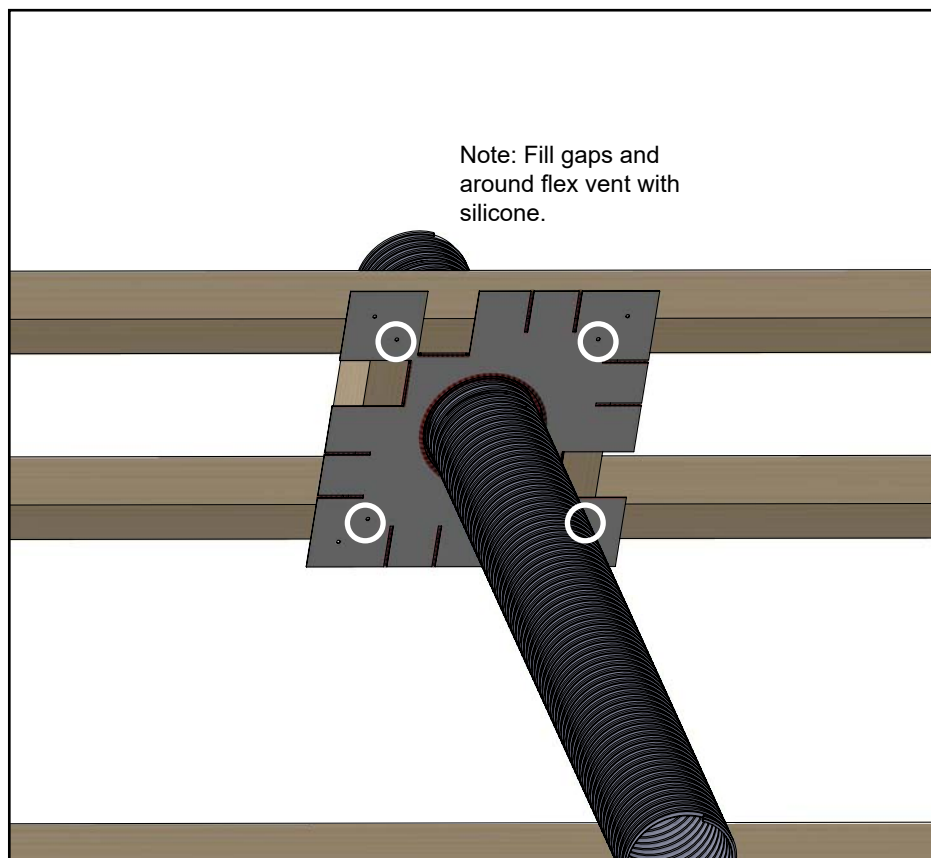


Figure 11.5.03

11.6 Modifying the Fireplace for I.H.E.A.T.

Step 1: Remove the stand-offs from the top of the fireplace

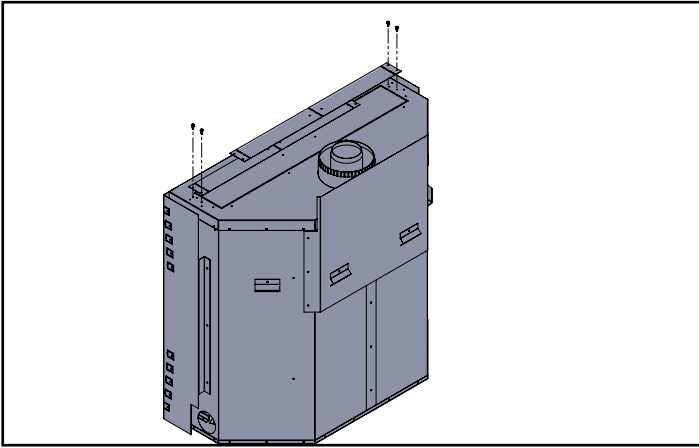


Figure 11.6.01

Step 2: Use a flat top screwdriver to break the tabs holding the air intake opening panel in place.

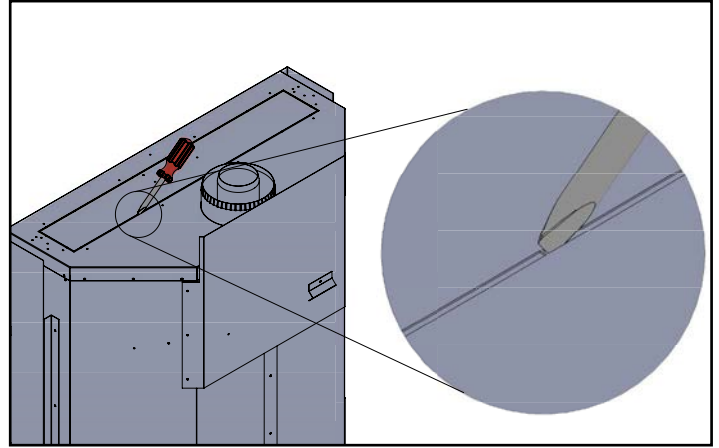


Figure 11.6.02

Step 3: Remove the panel. **Caution:** broken tabs will be sharp.

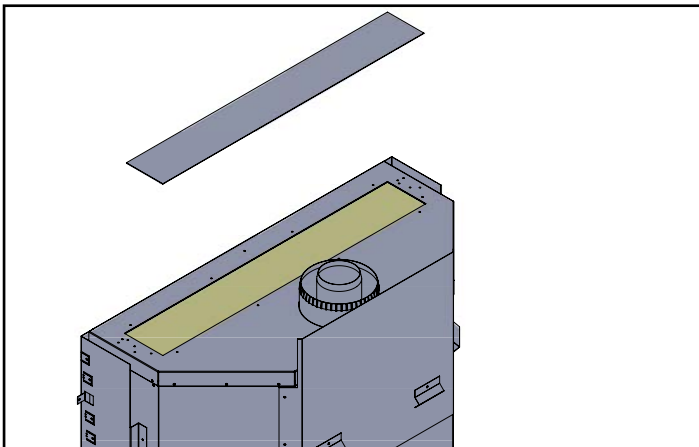


Figure 11.6.03

Step 4: Remove upper layer of pre-cut insulation from the air intake opening.

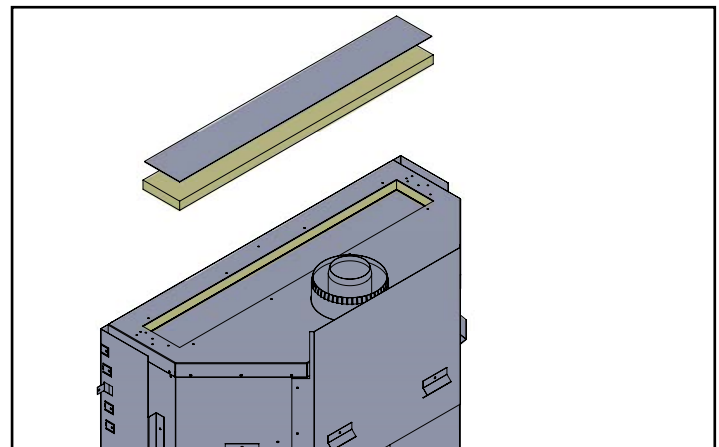


Figure 11.6.04

Step 5: Break the tabs securing the second panel in place and remove.

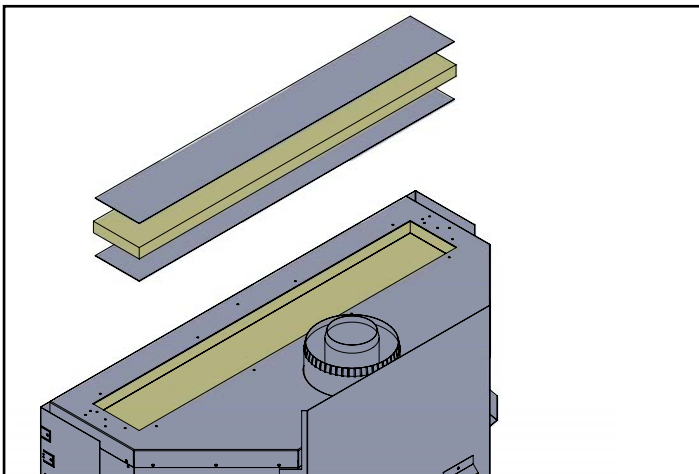


Figure 11.6.05

Step 6: Remove the second layer of pre-cut insulation.

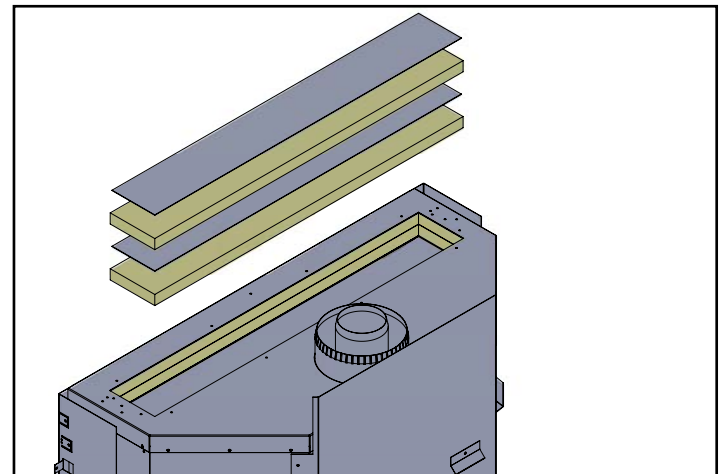


Figure 11.6.06

Installation

Step 7: Break the tabs on the final panel and remove from the fireplace. File any sharp edges or burrs.

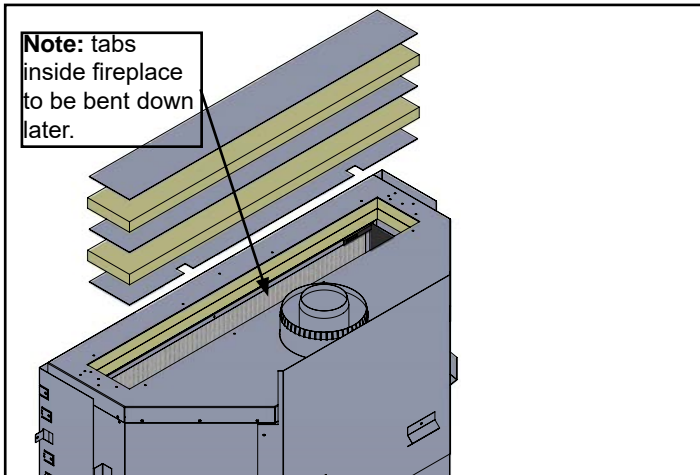


Figure 11.6.07

Step 8: Bend the (2) tabs found above the firebox, down.

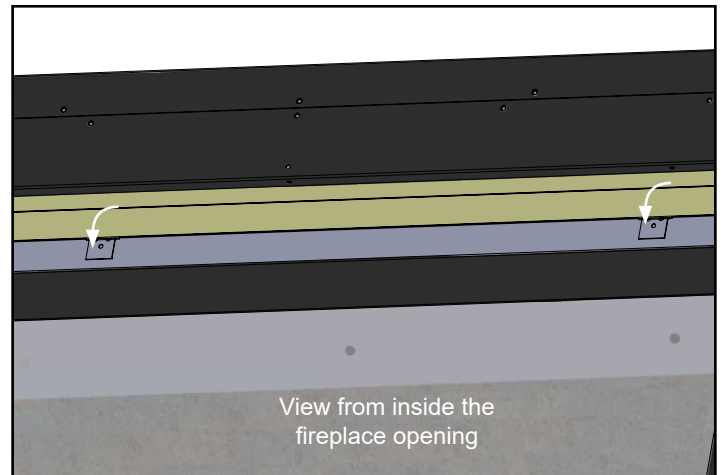


Figure 11.6.08

Step 9: Slide the air intake assembly into the opening in the top of the fireplace.

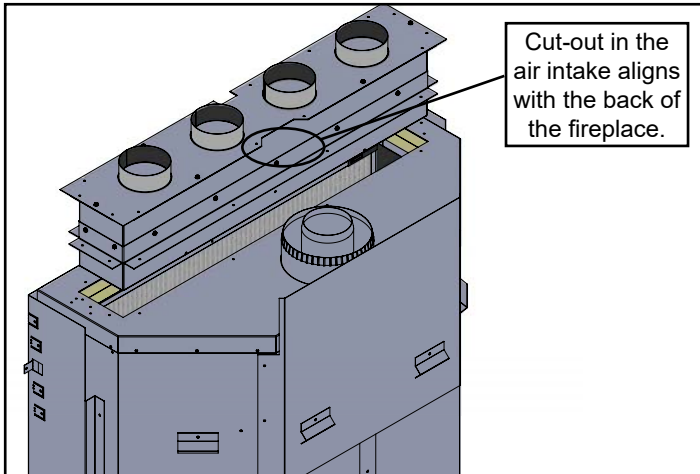


Figure 11.6.09

Step 10: Secure the air intake assembly using (12) 1/2" tek screws (included).

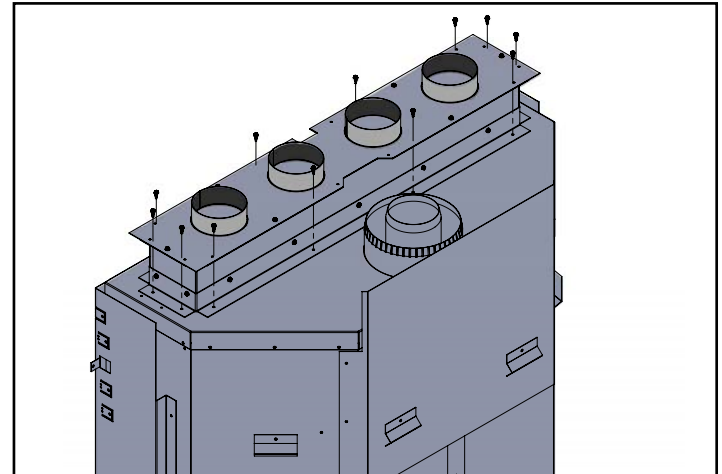


Figure 11.6.10

Step 11: Secure the bottom of the air intake assembly using (2) 3/4" tek screws (included) to attach the air intake assembly to the tabs bent in **Step 7**.

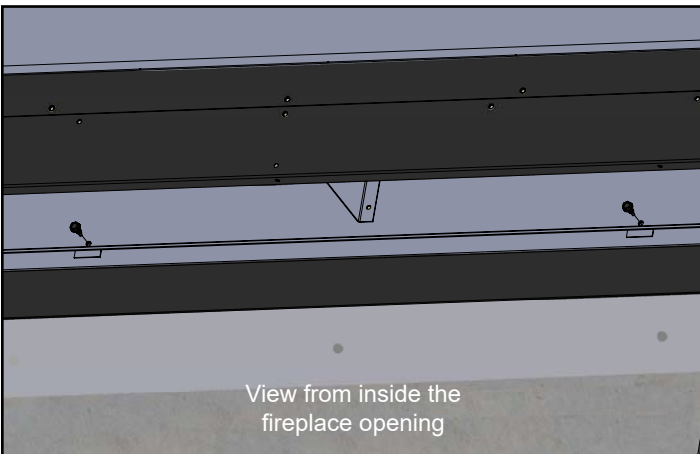


Figure 11.6.11

Step 12: Install the nailing flange extension (included with the fireplace) with the five (5) tek screws included.

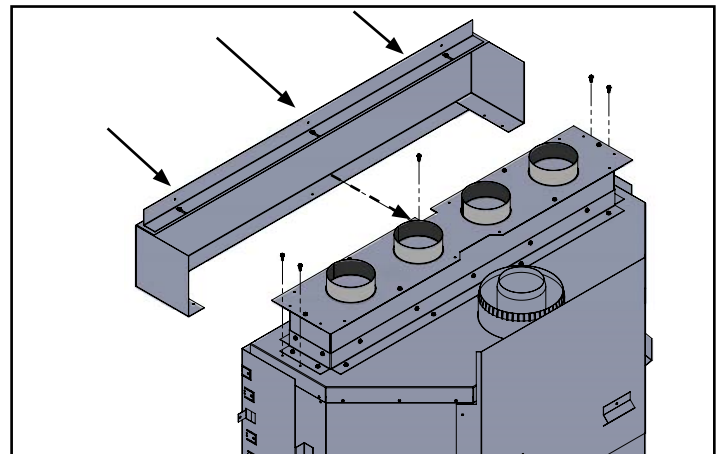


Figure 11.6.12

12.0 Maintenance

CAUTION:

Do not conduct maintenance while the appliance or ducting while it is operating or while it is still hot. Always verify proper operation after servicing.

12.1 Cleaning and Routine Maintenance

The following information relates to routine maintenance of the I.H.E.A.T. system only. For maintenance of the fireplace and venting system, please refer to the Installation, Operation, and Maintenance Manual included with the fireplace. The exterior surfaces may be cleaned with a soft, non-abrasive cloth and water or a suitable, mild, non-abrasive cleaner.

Regularly:

- DO NOT CLEAN WHILE HOT.
- Keep the air discharge area free from combustible materials, such as paper, wood, clothing, gasoline and flammable solids, liquids and vapors

Once a year, have a qualified service technician:

- Vacuum and clean any lint accumulations at the air discharge opening, and in any air passageways
- Completely inspect the ducting system, if the ducting or seal is found to be defective, replace and or reseal
- Inspect the condition of the ducting and air intake assembly for sooting or obstruction and correct if present

WARNING: All parts removed or disturbed, including guards and grills, must be properly replaced after maintenance. Service and repair must be conducted by a qualified service person. If these instructions are not followed, a fire or explosion may result, causing property damage, personal injury or loss of life.

ARCHGARD INDUSTRIES LTD.

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