

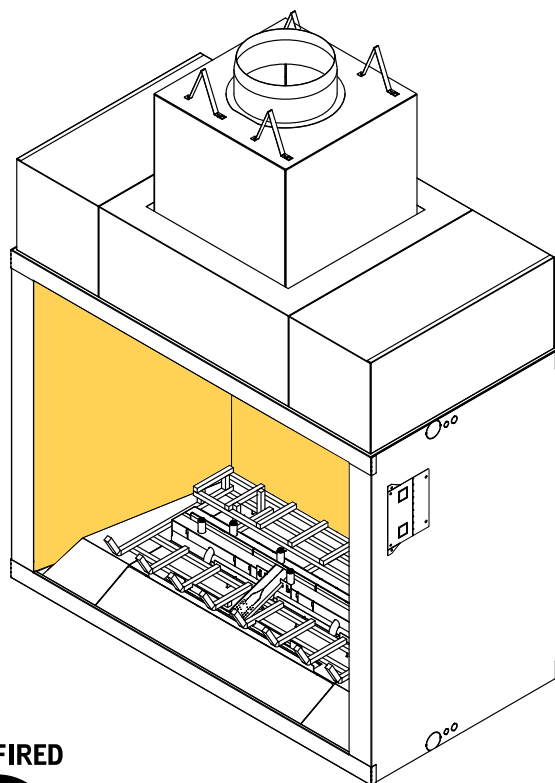


stellar.heatnglo.com

Custom Fireplace Program
Powervented Gas Fireplaces
Installation and Operating Manual

CARINA Collection - Single Sided
Open Hearth Traditional

Available Widths: 4', 5', 6' & 7'



GAS-FIRED



LISTED



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.

DO NOT DISCARD

Installer:
Leave this manual with the appliance.

Consumer:
Retain this manual for future reference.



This appliance is only for use
with Natural or Propane Gas



SERVICE

We recommend that our gas hearth products
be installed and serviced by trained fireplace
professionals.

Stellar by Heat & Glo, a division of Hearth & Home Technologies®
22160 Cedar Avenue Suite 200
Lakeville, MN 55044 · (952) 224 - 4072

**Read this manual before installing or operating this appliance.
Please retain this owner's manual for future reference.**

***Congratulations on selecting a
Stellar by Heat & Glo gas fireplace.***

You've selected a model within the Carina Collection that is crafted to elevate even the most unique spaces. The Carina Collection's sets the stage with the most robust flames in its class, beautiful oak log set with commercial grade components providing the utmost in safety and reliability.

As the owner of a new fireplace, you'll want to read and carefully follow all of the instructions contained in this owner's manual.

Pay special attention to all cautions and warnings.

DO NOT DISCARD.

This owner's manual should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

Installation Team: at the time of install, please record the following pertinent information about the fireplace for the homeowners reference:

Model Name: _____

Serial Number: _____ Date Installed: _____

Dealer Purchased From: _____

Dealer City/State: _____ Dealer Phone: _____

Notes: _____

If your model number has not been filled out above, please contact your dealer the fireplace purchased through directly for assistance identifying your model number by the serial number.



STELLAR

by Heat & Glo

stellar.heatnglo.com

Stellar by Heat&Glo, a division of Hearth & Home Technologies, Inc.

22160 Cedar Avenue S.

Lakeville, MN 55044


(P) 952-224-4072

(E) StellarInfo@hearthnhome.com


UL RATING PLATE LOCATION & MODEL NUMBER IDENTIFICATION

The rating plate is used for both the Single Sided and See Through designs.

The rating plate must stay with the fireplace and is located below the burner in an area that will only be reachable while servicing.




STELLAR
by Heat & Glo



HEARTH & HOME
technologies

Vented Gas Fireplace
Not For Use With Solid Fuel

GAS-FIRED



LISTED
4RP2
MH48906

DATE OF MFG

SERIAL NO.

Tested to: ANSI Z21.50-2019/CSA 2.22-2019 Vented Gas Fireplaces
This vented gas fireplace is not for use with air filters.
This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA B149.1.

This unit is equipped for use with: **NATURAL GAS**

Model Number, Input and Orifice Specifications - **NATURAL GAS**

Manifold Pressure HI Setting (in W.C.)	3.5"
Manifold Pressure LO Setting (in W.C.)	3.5"
Minimum Inlet Pressure (in W.C.)	7.0"
Maximum Inlet Pressure (in W.C.)	10.0"
Electrical Specifications	120 VAC, 5.8 amp (.35kW)

Model No.	Maximum Input Rating BTU/Hr	Burner Orifice (DMS)
<input checked="" type="checkbox"/> 4-SS-36-TOH	108,000	(1x) #55, (1x) #51, (2x) #43, (4x) #50
<input type="checkbox"/> 4-SS-48-TOH	108,000	(1x) #55, (1x) #51, (2x) #43, (4x) #50
<input type="checkbox"/> 4-ST-30-TOH	126,000	(2x) #55, (2x) #51, (2x) #43, (4x) #50
<input type="checkbox"/> 5-SS-36-TOH	160,000	(1x) #49, (1x) #51, (3x) #43, (6x) #50
<input type="checkbox"/> 5-SS-48-TOH	160,000	(1x) #49, (1x) #51, (3x) #43, (6x) #50
<input type="checkbox"/> 5-ST-30-TOH	180,000	(2x) #49, (2x) #51, (3x) #43, (6x) #50
<input type="checkbox"/> 6-SS-36-TOH	200,000	(1x) #43, (1x) #51, (4x) #43, (8x) #50
<input type="checkbox"/> 6-SS-48-TOH	200,000	(1x) #43, (1x) #51, (4x) #43, (8x) #50
<input type="checkbox"/> 6-ST-30-TOH	215,000	(2x) #43, (2x) #51, (4x) #43, (8x) #50
<input type="checkbox"/> 7-SS-36-TOH	200,000	(1x) #43, (1x) #51, (4x) #43, (8x) #50
<input type="checkbox"/> 7-SS-48-TOH	200,000	(1x) #43, (1x) #51, (4x) #43, (8x) #50

MODEL NUMBER IDENTIFICATION

Viewing Width Of The Fireplace (Feet)

4-5-6-7 = Carina Model

Viewing Height Of Fireplace (Inches)

30 = See Through Only

36 & 48 = Single Sided Only

4-SS-36-TOH

Configuration Of The Fireplace

SS = Single Sided

ST = See Through

Style Of Burner

TOH - Traditional Open Hearth

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1 - SAFETY INFORMATION

This fireplace complies with ANSI Z21.50-2019/CSA 2.22-2019 Vented Gas Fireplaces.
Installation must conform with local building codes or in the absence of local building codes,
with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 - Current Edition, or the Natural or Propane Installation Code, CSAB149.1

A. SAFETY ICON DESIGNATIONS

Various safety icons appear throughout this installation manual. Please familiarize yourself with the icons making sure you understand the serious consequences that may occur if ignored or of handling the products inappropriately.



IMPORTANT NOTE

This indicates additional instructions that you should consider during the installation.



DO NOT

This indicates something that you must never do.



RISK OF FIRE

This designates a danger of risk of fire or damage to property.



HOT GLASS WARNING

This indicates danger of serious bodily injury or property damage if glass is handled while still hot.



CAUTION

This indicates danger of serious bodily injury or property damage



STOP!

This indicates notes that may include reviewing warnings on other pages throughout the manual

B. IMPORTANT SAFETY CONSIDERATIONS

- Installation and repair should be done only by a qualified service person. The appliance should be inspected by a qualified service person before use. Annual inspection by a qualified service person is required to maintain warranty. When drawing room air for combustion more frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.
- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. 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 a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.
- Clothing or other flammable material should not be placed on or near the appliance.
- Adequate accessibility clearances for servicing and proper operation must be maintained.
- This appliance must not share or be connected to a chimney flue serving any other appliance.
- Keep area around the appliance clear of combustible materials, gasoline and other flammable vapor and liquids.
- The flow of combustion and ventilation air must not be obstructed.
- Due to high temperatures the appliance should be located out of traffic and away from furniture and draperies.
- Keep burner and control compartment clean.
- Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect this appliance and to replace any part of the control system and any gas control which has been under water.
- **DANGER:** Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.
- **STATE OF CA WARNING:** This product and the fuels used to operate this product (liquid propane or natural gas), and the combustion of such fuels, can expose you to chemicals including benzene, which is known to the State of California to cause cancer and reproductive harm.

For more information go to: www.P65Warnings.ca.gov.



DANGER: Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.

2 - COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS



NOTE: THE FOLLOWING REQUIREMENTS REFERENCE VARIOUS MASSACHUSETTS AND NATIONAL CODES NOT CONTAINED IN THIS MANUAL.

For all sidewall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

INSTALLATION OF CARBON MONOXIDE DETECTORS

At time of installation of side wall horizontally vented gas fueled equipment, the installing plumber or gas-fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

APPROVED CARBON MONOXIDE DETECTORS

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

SIGNAGE

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print no less the one-half inch (1/2) in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

INSPECTION

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08 (2) (a) 1 through 4.

EXEMPTIONS

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4: The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

MANUFACTURES REQUIREMENTS GAS EQUIPMENT VENTING SYSTEM PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

Detailed instructions for the installation of the venting system design or the venting system components; and a complete parts list for the venting system design or venting system.

MANUFACTURES REQUIREMENTS GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

The referenced "special venting systems" instructions shall be included with the appliance or equipment installation instructions and; the "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed Installation instructions.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

3 - SPECIFICATIONS

*Model 5X48 Shown In Example.
The full shop drawing for each width
can be found under the RESOURCES tab
at the stellar.heatnglo.com website.*

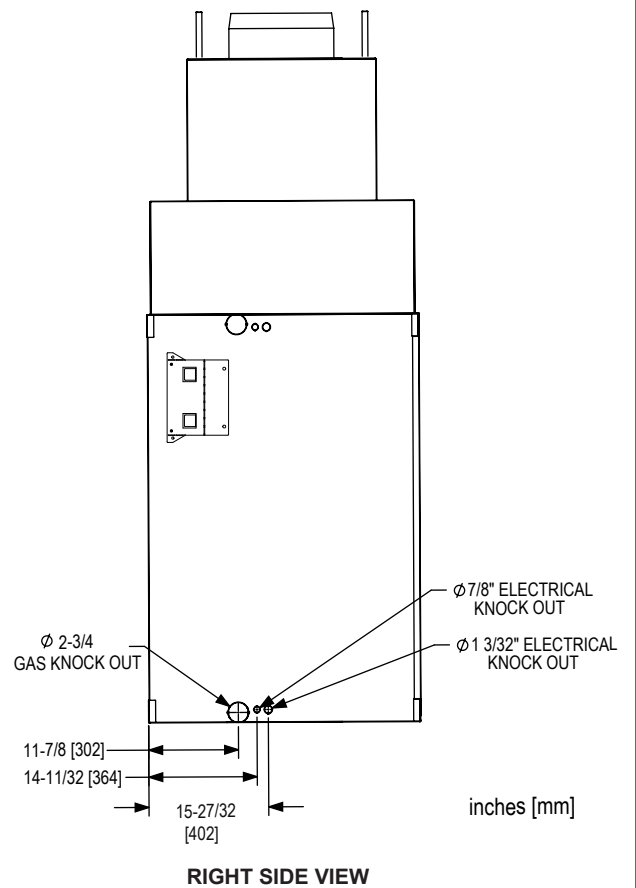
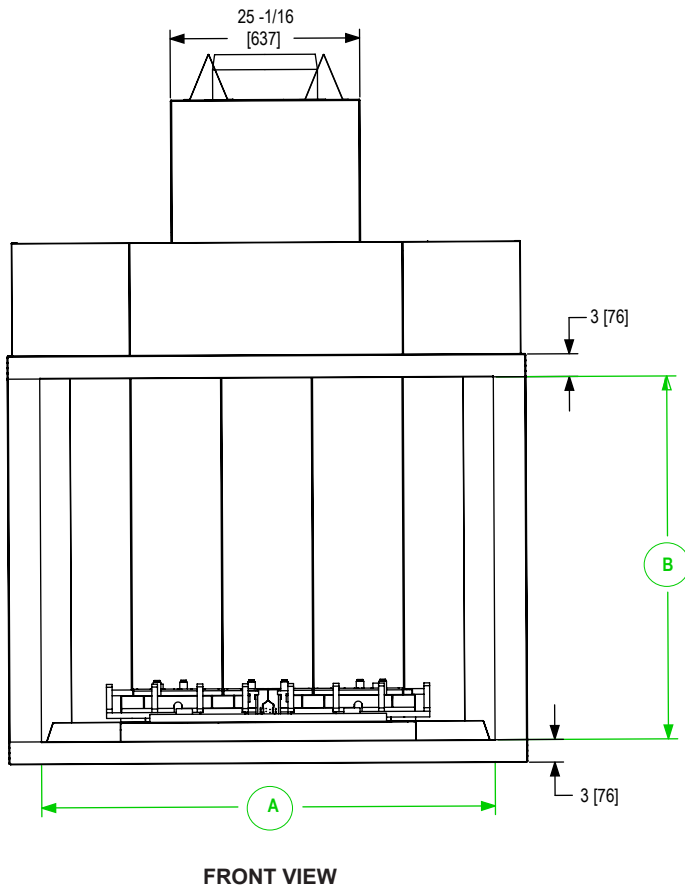
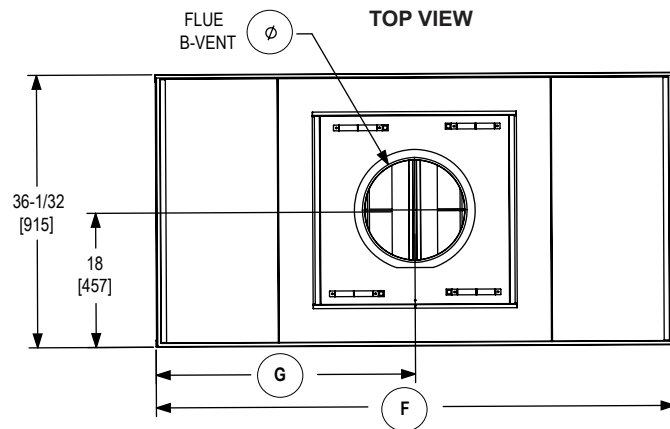
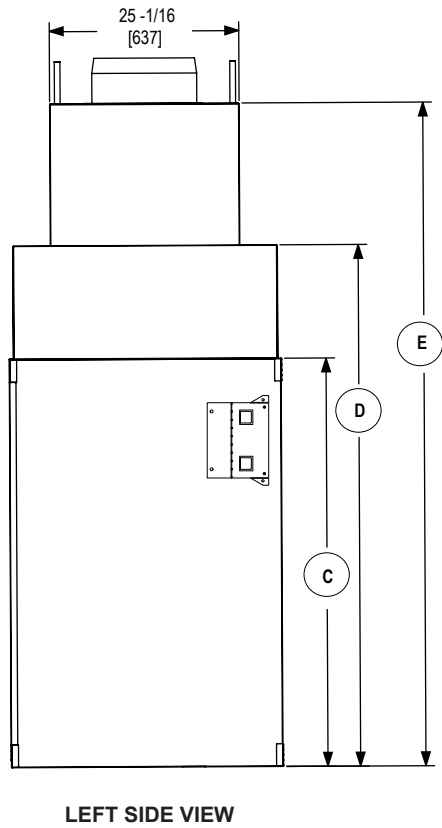


Figure 3A

3 - SPECIFICATIONS

A. SINGLE SIDED DIMENSIONS

Model #	B-VENT FLUE	CFM'S	PV	Finishing Width	Finishing Height	Height To Top Trim	Overall Height	Height To Top Of Damper	Overall Width	Center Of Vent
	Ø			A	B	C	D	E	F	G
The dimensions in green are the allowable finishing width and height; must not overlap onto glass.										
4-SS-36-TOH	12"	700	RS014	48 [1,219]	36 [914]	42 [1,067]	57 [1,448]	75-25/32 [1,925]	56-19/32 [1,437]	28-5/16 [770]
5-SS-36-TOH	12"	864	RS014	60 [1,524]	36 [914]	42 [1,067]	57 [1,448]	75-25/32 [1,925]	68-19/32 [1,742]	34-5/16 [872]
6-SS-36-TOH	14"	1,030	RS016	72 [1,829]	36 [914]	42 [1,067]	57 [1,448]	75-25/32 [1,925]	80-19/32 [2,047]	40-5/16 [1,024]
7-SS-36-TOH	14"	1,195	RS016	84 [2,134]	36 [914]	42 [1,067]	57 [1,448]	75-25/32 [1,925]	92-19/32 [2,352]	46-5/16 [1,176]
4-SS-48-TOH	12"	920	RS014	48 [1,219]	48 [1,219]	54 [1,372]	69 [1,753]	87-25/32 [2,230]	56-19/32 [1,437]	28-5/16 [770]
5-SS-48-TOH	14"	1,140	RS016	60 [1,524]	48 [1,219]	54 [1,372]	69 [1,753]	87-25/32 [2,230]	68-19/32 [1,742]	34-5/16 [872]
6-SS-48-TOH	16"	1,360	RS016	72 [1,829]	48 [1,219]	54 [1,372]	69 [1,753]	87-25/32 [2,230]	80-19/32 [2,047]	40-5/16 [1,024]
7-SS-48-TOH	16"	1,580	RS016	84 [2,134]	48 [1,219]	54 [1,372]	69 [1,753]	87-25/32 [2,230]	92-19/32 [2,352]	46-5/16 [1,176]
KEY = inches [mm] for columns A-F										

B. SINGLE SIDED DIMENSIONS - FIELD INSTALLED FIREBRICK

Field Installed Refractory

This fireplace has been designed to accommodate a specific thickness of refractory to be installed inside. (SEE DIMENSIONS ABOVE)

The refractory should be installed using appropriate methods based on the type of refractory being used.

Permanent refractory should never cover the perforated floor frames. These frames must be able to be removed for fireplace service.

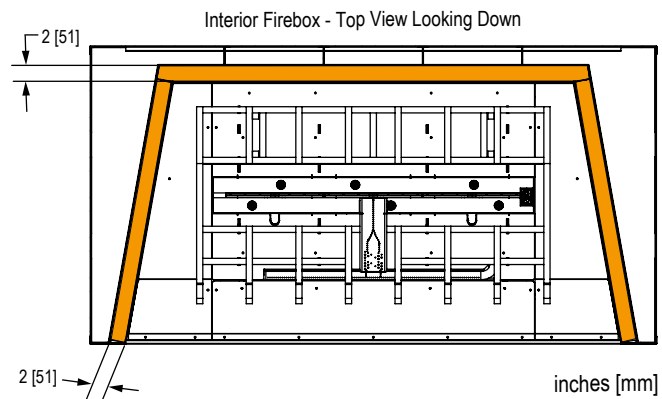
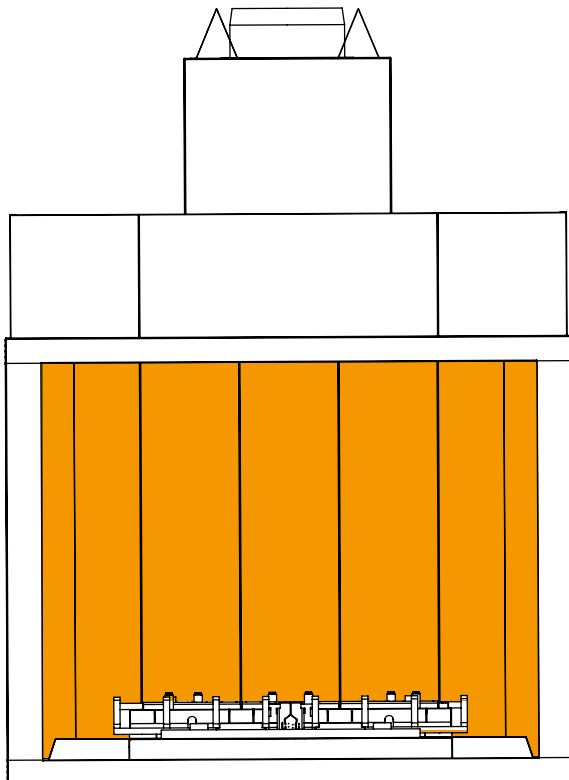


Figure 3B

3 - SPECIFICATIONS

C.1 SPECIFICATIONS - NATURAL GAS

Model #	BTU'S	ORIFICE NG
4'	108,000	(1X) #55, (1X) #51, (2X) #43, (4X) #50
5'	160,000	(1X) #49, (1X) #51, (3X) #43, (6X) #50
6'	200,000	(1X) #43, (1X) #51, (4X) #43, (8X) #50
7'	200,000	(1X) #43, (1X) #51, (4X) #43, (8X) #50

C.2 SPECIFICATIONS - PROPANE

Model #	BTU'S	ORIFICE Propane
4'	102,000	(1X) #60, (1X) #60, (2X) #55, (4X) #60
5'	142,000	(1X) #56, (1X) #60, (3X) #55, (6X) #60
6'	200,000	(1X) #55, (1X) #60, (4X) #55, (8X) #60
7'	200,000	(1X) #55, (1X) #60, (4X) #55, (8X) #60



WARNING: NON-COMBUSTIBLE ZONE: USE ONLY NON-COMBUSTIBLE MATERIAL IN THIS AREA FOR ENTIRE WIDTH OF FIREPLACE. DO NOT USE WOOD, SHEETROCK, ETC., IN THIS ZONE.



NOTE: OTHER CLEARANCES APPLY. ALL CLEARANCES MUST BE MAINTAINED.
Refer to Section 4 (Framing), Section 5 (Non-combustible Zone) and Section 10 (Finishing) for more information.



NOTE: The qualified installer should follow the procedure best suited for the installation.

D. INSTALLATION OVERVIEW

1. Frame should be built after the fireplace is installed for greater accuracy. Framing must allow for vent installation.
2. If masonry (optional) will be used, prepare foundation for the masonry load. A lintel is required to support the added weight above the fireplace.
3. Install hearth if desired.
4. Insert fireplace into framing.
5. Double check clearances to combustibles.
6. Complete gas line installation.
7. Permanently mount the tethered control box and run the low voltage harness between it and the fireplace. Complete electrical hook-up.
8. Complete venting installation.
9. Install facing material, mantel or cabinetry.
10. Install glass media/natural stone, and any interior options including mirrors and/or log set.
11. Verify proper operation of fireplace and all components.

E. PLACEMENT CLEARANCE REQUIREMENTS

- This fireplace must be installed on a level surface capable of supporting the fireplace and venting.
- Fireplace must be placed directly on wood or non-combustible surface (not linoleum or carpet) extending entire depth and width of fireplace.

Non-Combustible Materials Specifications

Material which will not ignite and burn.
Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing **ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C** shall be considered non-combustible materials.

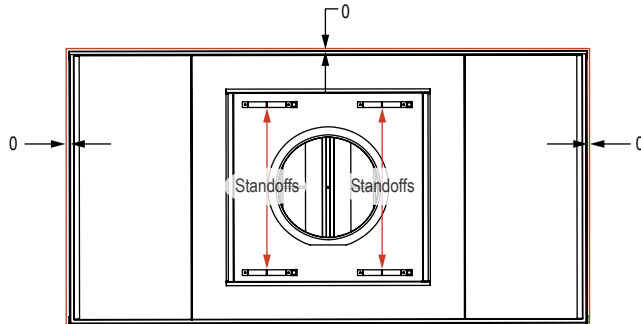
Combustible Materials Specifications

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered shall be considered combustible materials.

3 - SPECIFICATIONS

F. FIREPLACE CLEARANCES TO COMBUSTIBLES

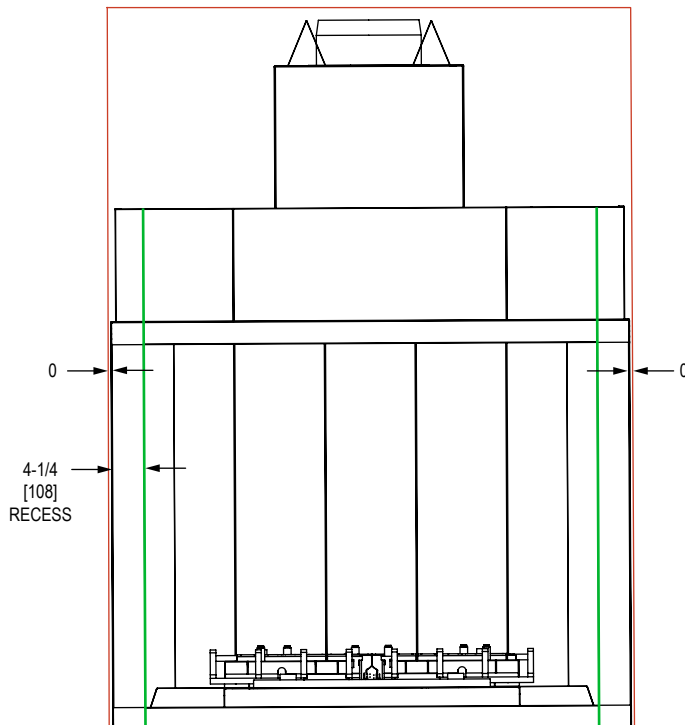
	INCHES	MILLIMETERS
From unit left & right sides	0	0
To flooring under fireplace	0	0
Unit top to ceiling	8	[203]
Unit side to adjacent sidewall	0	0



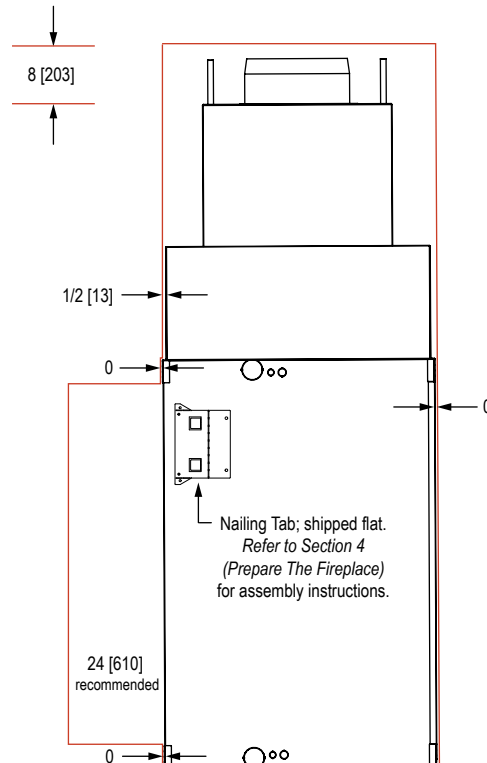
Front: 6 [152] min. required. 24 [610] recommended for ease of installing glass panels and any future service/maintenance work.

CLEARANCES SHOWN ARE MINIMUM TO COMBUSTIBLES.
NON-COMBUSTIBLE FRAMING AND FINISHING MATERIALS ALLOWED
RIGHT UP TO THE FIREPLACE.

8 [203] Top Standoffs; shipped flat.
Refer to Section 4 (Prepare The Fireplace)
for assembly instructions.



Can be a recess and/or combustible perpendicular wall extending past the face of the fireplace. Applies to both sides.



OTHER CLEARANCE NOTES:

- No combustible material within 8 [203] of the top, sides and the back of the fireplace.
- No combustible material within 1 [25] around the B-Vent flue.
- Do not overlap viewing area with finishing materials.
- Do not place on carpet, vinyl or soft surfaces.

inches [mm]

Figure 3F

4 - PREPARE THE FIREPLACE



CAUTION: FIREPLACE IS NOT LOAD-BEARING.



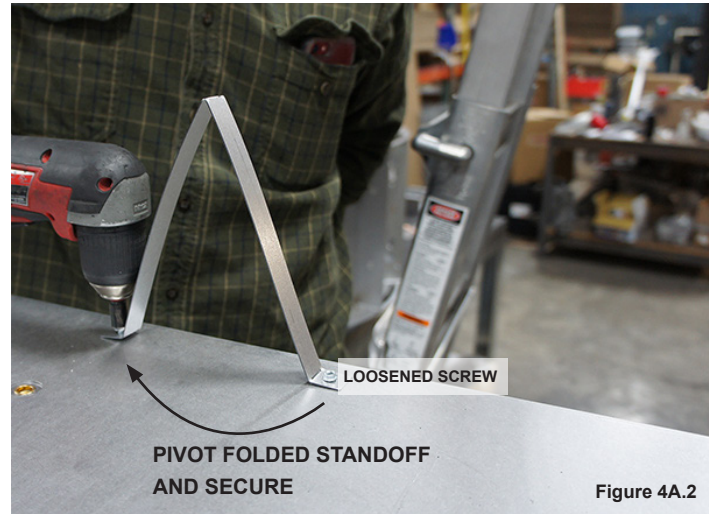
NOTE: OTHER CLEARANCES APPLY. ALL CLEARANCES MUST BE MAINTAINED.

A. STANDOFF INSTALLATION



STEP 1: Refer to Figure 4A.1

The standoffs will be shipped in a flat state placed on the firebox top. Locate the standoffs and loosen the screws holding them in place.



STEP 2: Refer to Figure 4A.2

Fold the center of the standoff up and both ends out at the perforated lines. Using Figure 4A.2 for reference, locate the second pre-installed screw on the firebox top at each standoff location. Remove the screw, pivot the folded standoff into location and re-install the screw to secure the standoff. Tighten up the screw that was loosened in Step 1.

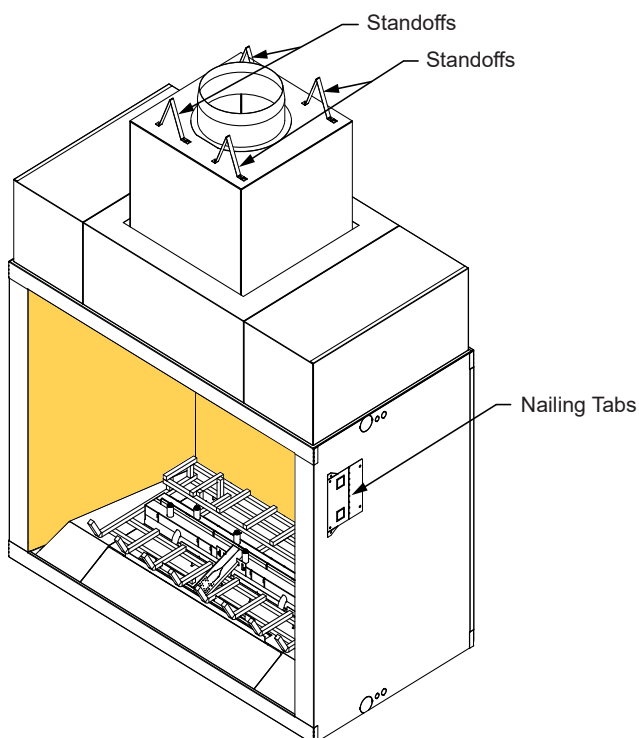


Figure 4A.3
Placement of the standoffs and nailing tabs.

4 - PREPARE THE FIREPLACE

B. NAILING TABS



Figure 4B.1

STEP 1: Refer to Figure 4B.1

The nailing tabs will be shipped in a flat state placed on the firebox sides. Locate the nailing tabs and remove the screws holding them in place.



Figure 4B.2

STEP 2: Refer to Figure 4B.2

Bend the two (2) small tabs out on each nailing tabs at the perforated lines. Using Figure 4A.3 for reference, locate the pre-drilled holes on the firebox side each nailing tabs will be placed at.

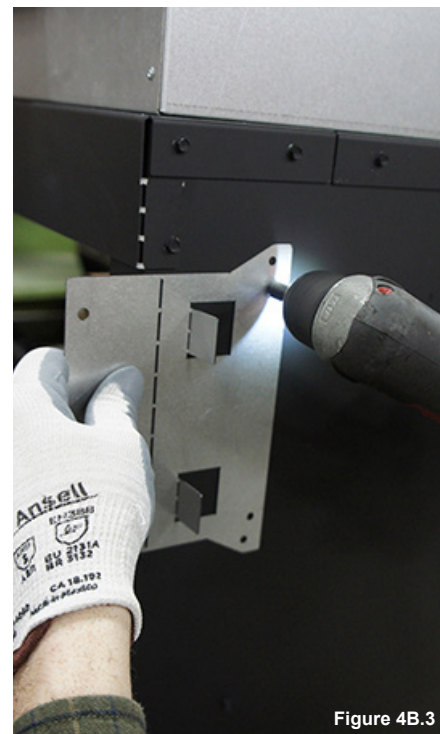


Figure 4B.3

STEP 3: Refer to Figure 4B.3 & Figure 4B.4

Set each nailing tab in place and secure using two (2) screws each. Bend the nailing tabs out from fireplace at the remaining perforated line.



Figure 4B.4



Figure 4B.5

Depending on your installation and how you frame it out, you may not use the provided nailing tabs.

5 - FRAMING REQUIREMENTS



NOTE: Framing dimensions should allow for wall covering thickness and fireplace facing materials. When using a hearth, adjust rough opening size as necessary to maintain at least minimum clearance requirements.



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



CAUTION: Vent cap location must be in compliance with guidelines in *Section 8 (Venting)* of this manual.



NOTE: REFER TO DIMENSIONS SECTION FOR ALLOWABLE FINISHING DIMENSIONS. FINISHING MATERIALS MUST NOT OVERLAP THE DIMENSIONS HIGHLIGHTED IN GREEN IN *SECTION 2 (DIMENSIONS)*. NEVER COVER THE VIEWING AREA WITH FINISHING MATERIALS.



NOTE: *DO NOT* PIERCE ANY OF THE BLACK PAINTED SURFACES WITH SCREWS, RIVETS, ETC. THIS INCLUDES THE 3" [76mm] BLACK TOP AND BOTTOM TRIM AND ANY PAINTED SIDES ADJACENT TO THE OPENING.

If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over top of fireplace to support the added weight. Build hearth to desired size and height. If a hearth extension is desired, combustible material may be used.

Review the IMPORTANT FRAMING NOTES fully prior to framing.

IMPORTANT FRAMING NOTES: inches [mm]

FRAMING SHOULD BE BUILT AFTER THE FIREPLACE IS INSTALLED.

THE FIREPLACE IS NOT LOAD-BEARING

FRAMING DIMENSIONS ASSUMING 1/2 [13] DRYWALL OR NON-COMBUSTIBLE BOARD USED.

THESE DIMENSIONS REPRESENT THE FRAMING DIMENSIONS FOR COMBUSTIBLE MATERIAL.

NON-COMBUSTIBLE FRAMING AND FINISHING MATERIALS MAY BE USED WITHIN THESE DIMENSIONS RIGHT UP TO THE UNIT.

NO COMBUSTIBLE MATERIAL WITHIN 8 [203] OF THE TOP OF THE FIREPLACE.

NO COMBUSTIBLE MATERIAL WITHIN 0 [0] OF THE SIDES, BACK AND FRONT OF THE FIREPLACE.

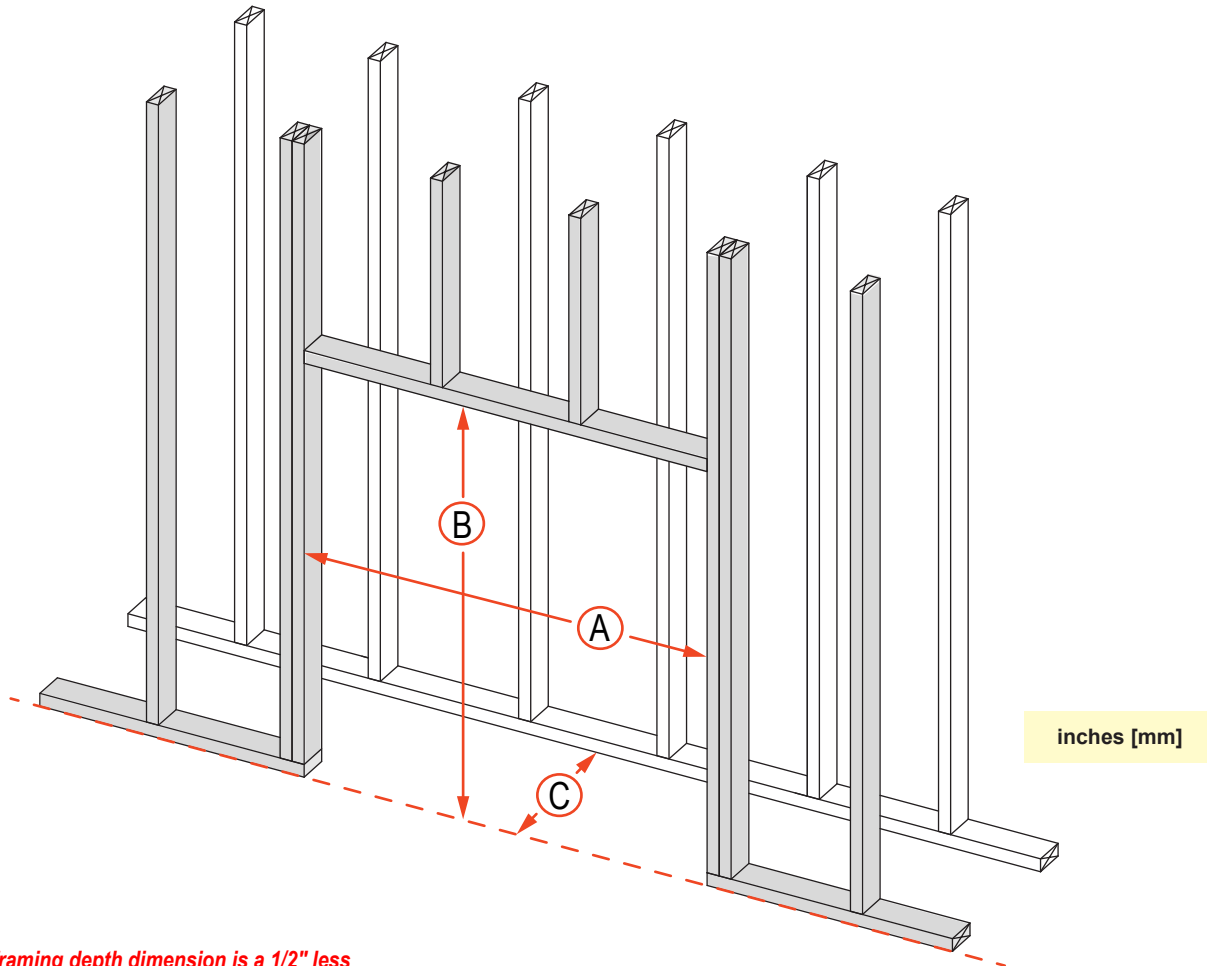
COMBUSTIBLE MATERIAL MAY BE PLACED DIRECTLY ON THE FACE OF THE FIREPLACE, TOP AND SIDES.

1 [25] CLEARANCE TO THE B-VENT MUST BE MAINTAINED.

5 - FRAMING REQUIREMENTS



NOTE: IT IS RECOMMENDED TO SET THE FIREPLACE IN TO PLACE PRIOR TO INSTALLING THE FRAMING.
Framing dimensions noted are minimum framing dimensions to combustible materials only, and it is the responsibility of the installer for determining framing dimensions that allow for wall covering thickness and fireplace facing materials for each individual installation.



NOTE: The framing depth dimension is a 1/2" less than the actual depth dimension to allow for the 1/2" standoffs or 1/2" non-combustible material to flush out with the top trim face of the fireplace.
Refer to Section 6 (Mantel Requirements) and Section 11 (Finishing) for more information on installation.

Figure 5

The clearance to combustible framing on the sides of the fireplace is 0".
For ease of installation, there is 1/2" added to the width in the provided framing dimensions below.
Adjust to our own installation needs accordingly.

MODEL	A Width	B Height	C Depth
4-SS-36-TOH	57-3/32 [1,450]	83-25/32 [2,111]	35-3/4 [908]
5-SS-36-TOH	69-3/32 [1,755]	83-25/32 [2,111]	35-3/4 [908]
6-SS-36-TOH	81-3/32 [2,060]	83-25/32 [2,111]	35-3/4 [908]
7-SS-36-TOH	93-3/32 [2,365]	83-25/32 [2,111]	35-3/4 [908]

MODEL	A Width	B Height	C Depth
4-SS-48-TOH	57-3/32 [1,450]	95-25/32 [2,433]	35-3/4 [908]
5-SS-48-TOH	69-3/32 [1,755]	95-25/32 [2,433]	35-3/4 [908]
6-SS-48-TOH	81-3/32 [2,060]	95-25/32 [2,433]	35-3/4 [908]
7-SS-48-TOH	93-3/32 [2,365]	95-25/32 [2,433]	35-3/4 [908]

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6 - MANTEL REQUIREMENTS

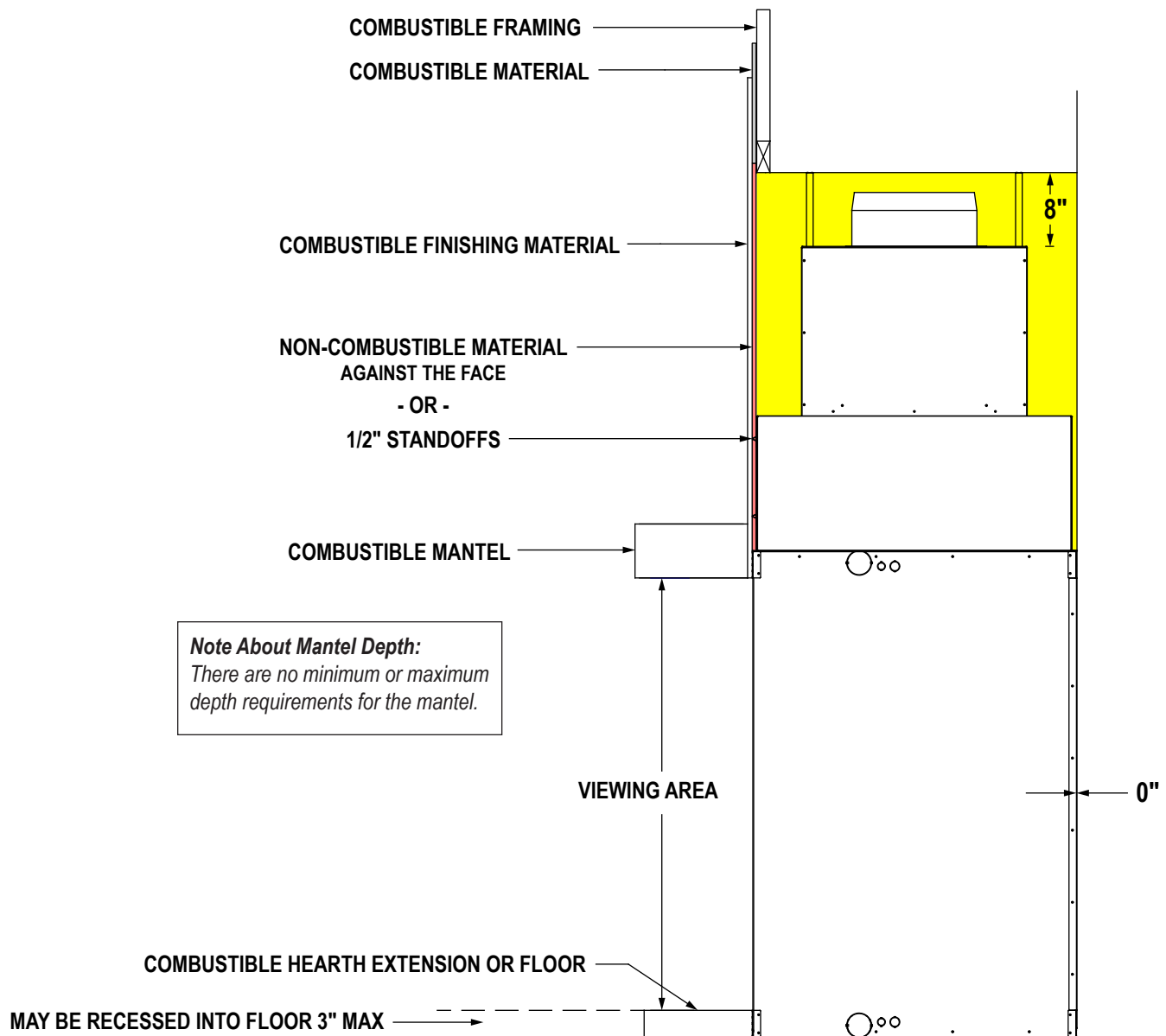
Notes About TV Placement:

A mantel is not required if you are placing a TV above the opening.

No minimum clearance required for a TV above the fireplace opening.

Notes About Framing In Yellow Area:

if framing is desired in the yellow area it must be steel studs (non-combustible).



Note About Mantel Depth:

There are no minimum or maximum depth requirements for the mantel.

Figure 6

7 - GAS LINE SPECIFICATIONS

This fireplace is manufactured for use with Natural Gas or Propane.



CAUTION: Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1.



NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.



NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).

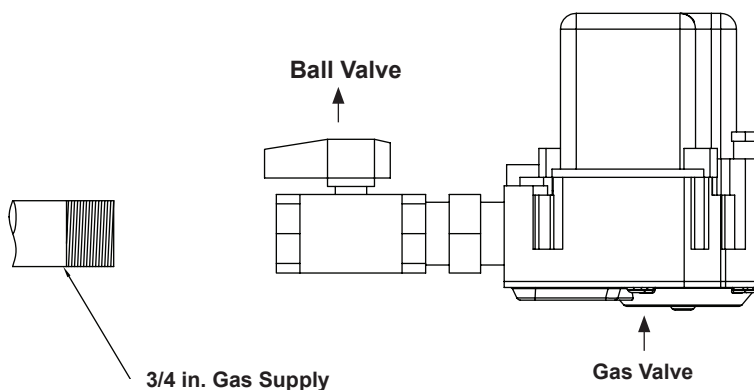


NOTE: For high altitude installations, consult Stellar by Heat&Glo directly for proper rating methods.

A. GAS LINE CONNECTION	Propane	NG
MINIMUM INLET GAS PRESSURE	11.0 inches W.C. (recommended)	7.0 inches W.C. (recommended)
MAXIMUM INLET GAS PRESSURE	14.0 inches W.C.	10.0 inches W.C.
MANIFOLD PRESSURE (HI)	10.0 inches W.C.	3.5 inches W.C.
ORIFICE SIZE	See Specifications Chart in Section 3.C	See Specifications Chart in Section 3.C
INPUT BTU/HR	See Specifications Chart in Section 3.C	See Specifications Chart in Section 3.C

NOTE: Have the gas supply line installed in accordance with local codes. If not, follow ANSI Z223.1. Installation should be done by a qualified installer approved and/or licensed as required by the locality. In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter.

NOTE: A listed (and Commonwealth of Massachusetts approved) 3/4 in. T-handle manual shut-off ball valve is connected to the 3/4 in. control valve inlet.



**ADDITIONAL INFORMATION
IN SECTION 2.B (GAS & ELECTRIC ACCESS LOCATIONS)**

Figure 7A

7 - GAS LINE SPECIFICATIONS

B. GAS & ELECTRIC ACCESS LOCATIONS

4' shown in example. Locations/dimensions are the same on all models and all sizes.

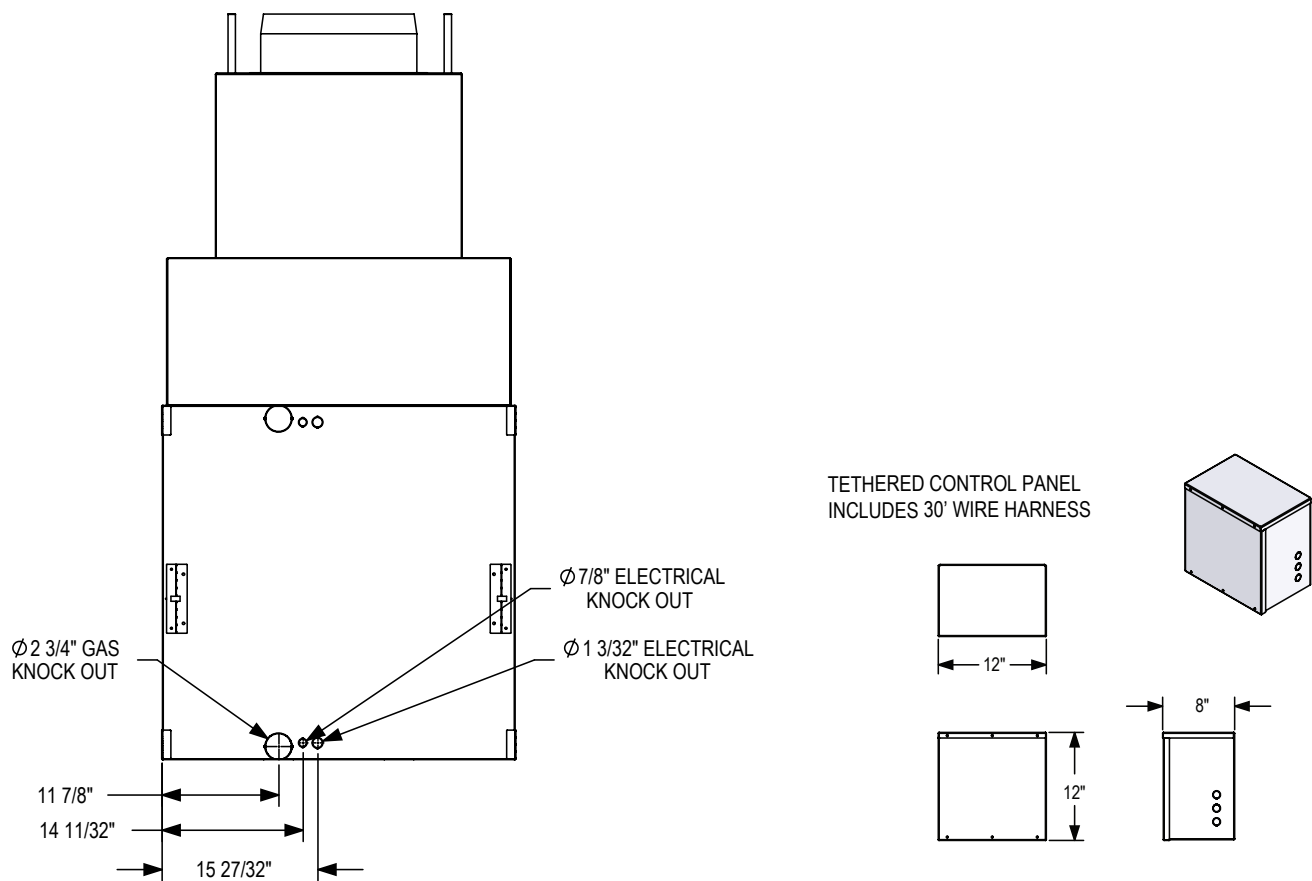


Figure 7B

8 - VENTING



CAUTION: Consult the local and national installation codes to assure adequate combustion and ventilation air is available.



NOTE: Flame height and appearance will vary depending upon venting configuration and type of fuel used. Venting requirements apply to both Natural and Propane gas.



STOP: MAINTAIN ALL CLEARANCES AS STATED IN THIS INSTALLATION MANUAL.

A.	B-VENT FLUE	CFM'S	PV
	Ø	Make-UP Air	MODEL
4-SS-36-TOH	12"	700	RS014
5-SS-36-TOH	12"	864	RS014
6-SS-36-TOH	14"	1,030	RS016
7-SS-36-TOH	14"	1,195	RS016
4-SS-48-TOH	12"	920	RS014
5-SS-48-TOH	14"	1,140	RS016
6-SS-48-TOH	16"	1,360	RS016
7-SS-48-TOH	16"	1,580	RS016

B.1 SYSTEM SUPPLY VOLTAGE

POWERVERT MODEL NUMBER	VAC	AMPS
RS014	120	3.4
RS016	120	3.9

B.2 POWERVENT SUPPLY VOLTAGE

POWERVERT MODEL NUMBER	VAC	AMP	H/P
RS014	120	1.4	1/7
RS016	120	1.4	1/3

Refer to the vent systems manufacturer's installation manual for complete installation instructions.

Installation must conform with the venting requirements and restrictions as outlined in this manual.

SEE CHART ABOVE FOR SIZE diameter B-Type Venting that must be used. UL/CSA approved

B-Vent only. DO NOT decrease the vent size.

Vent runs are approved for up to (50) feet with quantity of six 90 degree elbows.



NOTE: All pipe and elbow joints must be sealed. This includes the longitudinal seam on the pipe. High Temp RTV Silicone and/or foil tape **MUST** be used on each joint/seam. Failure to do so may cause lack of vacuum and may not trigger the vacuum switch.



ATTIC INSTALLATIONS: Use an attic shield to maintain the required 1 [25] clearance to insulation.

8 - VENTING

C. MAKE-UP REQUIREMENTS

This fireplace takes combustion air from the house. **MAKE-UP AIR IS REQUIRED.** The air must be delivered into the space shared with the fireplace.
The fireplace will draw from the room: See Table 8B.

Employ a HVAC contractor to properly size the make up air unit, if necessary.

Table 8B	CFM'S
4-SS-36-TOH	700
5-SS-36-TOH	864
6-SS-36-TOH	1,030
7-SS-36-TOH	1,195
4-SS-48-TOH	920
5-SS-48-TOH	1,140
6-SS-48-TOH	1,360
7-SS-48-TOH	1,580



This is an open hearth fireplace.

100% OF THE FLUE PRODUCTS MUST BE EXHAUSTED OUT OF THE FLUE.

Check for flue gas spillage. Install carbon monoxide detectors for safety.



DANGER: Not to be installed in a bedroom or bathroom per National Fuel Gas Code.

8 - VENTING

D. RS SERIES POWERVENT SPECIFICATIONS

Available Power Venting

A power vent (RS012 & RS014) is approved for use with this appliance. It is crucial that all B-Vent pipe and elbow joints, and the longitudinal seam are sealed using a high temperature RTV Silicone and/or foil tape.

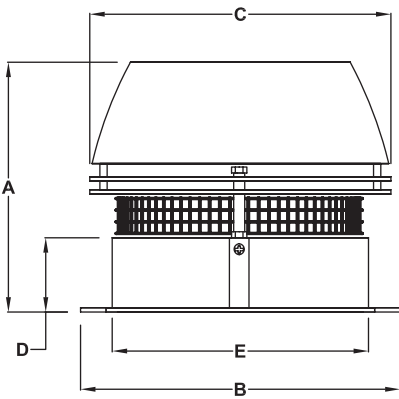


Figure 8D

MODEL	RS014	RS016
Fan Type	Axial Vane	Axial Vane
Motor Type	Totally enclosed, variable speed, Class F	Totally enclosed, variable speed, Class F
Voltage (VAC)	1 x 120V @ 60Hz	
RPM	1600	
CFM	1400	1950
Amperage (Amps)	1.4	3.9
Motor Output HP (kW)	1/7 (0.1)	1/3 (0.25)
Weight lbs (kg)	47 (21)	61 (28)
Dimension A in. (mm)	13.1 (334)	16.0 (407)
Dimension B x B in.(mm)	16.6 (422)	18.8 (478)
Dimension C in. (mm)	15.5 (395)	17.4 (441)
Dimension D in. (mm)	3.9 (100)	3.9 (100)
Dimension E in. (mm)	13.5 (342)	15.4 (391)
Temperature Rating-Intermittent	575 °F / 300 °C	
Temperature Rating-Continuous	482 °F / 250 °C	

E. CHIMNEY COLLAR

Chimney Collar Included:

A chimney collar is used to mount the power vent to the vent pipe. The fireplace includes the appropriate size vent collar.

FLUE SIZE	POWERVENT	BASE (IN)	BASE (MM)
12"	RS014	15-5/8 X 15-5/8	396 x 396
14"	RS016	19-11/16 X 19-11/16	500 x 500
16"	RS016	22-1/8 X 22-1/8	561 x 561
18"	RS016	22-1/8 X 22-1/8	561x 561

8 - VENTING

F. HORIZONTAL VENT SYSTEM CLEARANCES

ALL APPROVED VENTING	TOP	BOTTOM	SIDES
HORIZONTAL	1 [25]	1 [25]	1 [25]

inches [mm]

G. WALL PASS-THROUGH - Follow all local codes for requirement of firestops.

H. PITOT TUBE INFORMATION

There is a 1/4" pitot tube mounted under the passive damper up inside the top of the exhaust passage. This ensures the damper opens and there is proper suction to evacuate the flue products. Figure 8I.

This monitors the pressure in the flue and is necessary for proper operation.

Take care to keep the end of the tube clean.

IMPORTANT: THIS TUBE MUST NOT BE BENT, CLOGGED, REMOVED, OR ALTERED IN ANY WAY.

I. STANDARD NON-MECHANICAL EXHAUST DAMPER

This fireplace is equipped with a PATEND-PENDING FLEXIBLE NON-METALLIC DAMPER that allows flue gases to flow out, but air is not allowed to flow in. This damper requires no maintenance or interaction. The force of the power vent will pull it open.

8 - VENTING

J. VERTICAL TERMINATION GUIDELINES

- The fireplace must terminate with the included approved powered termination cap.
- NO SUBSTITUTION IS ACCEPTABLE.
- Carefully follow the instructions included with the approved powered termination cap.
- DO NOT use an additional speed control on this powervent.
- You must use the included Capacitor.

K. HORIZONTAL TERMINATION VENT CAP LOCATION & CLEARANCE

This gas appliance must not be connected to a chimney serving any other appliance.

- DO NOT RECESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS - i.e.: brick, stone, siding, etc. If necessary, extend framing so that termination kit will be exposed once building materials are installed.
- Vent termination must not be located where it will become plugged by snow or other material. The flow of combustion and ventilation air must not be obstructed.

LOCATION CLEARANCES:

- A. Above grade, veranda, porch, deck, balcony - 12 inches [305 mm].
 - B. Operable window or door – 12" (305 mm); 48" (1219 mm) required for non-direct vent appliances using room air.
 - C. Permanently closed window* - 12 inches [305 mm] (recommended to prevent condensation on window).
 - D. Ventilated soffit* - 24" (610 mm). Unventilated soffit* - 12" (305 mm).
 - E. Vinyl or Resin-based materials* - 36" (915 mm).
 - F. Outside corner* - 6 inches [152 mm].
 - G. Inside corner* to non-combustibles - 12 inches [305 mm]. Inside corner* to combustibles - 24 inches [610 mm].
 - H. Meter / Regulator: Not to be installed above a gas meter/regulator assembly within 3 ft. [914 mm] horizontally from the center-line of the regulator.
 - I. Gas Service regulator vent outlet - 3 ft. [914 mm].
 - J. Non-mechanical air supply inlet to building or the combustion air inlet to any other appliance.
US: 9" [229 mm] CANADA: 12 inches [305 mm].
 - K. Mechanical air supply inlet.
US: 3 ft. [914 mm] above if within 10 ft. [3.05 m] horizontal. Massachusetts installations: 10 ft. [3.05 m].
CANADA: 6 ft. [1.83 m].
 - L. Above paved side-walk or paved driveway located on public property - 7 ft. [2.13 m].
 - M. Under veranda, porch, deck, or balcony [must be fully opened on a minimum of 2 sides] - Combustible - 24 inches [610 mm],
Non-Combustible - 12 inches [305 mm].
 - N. Between two horizontal terminations - 12 inches [305 mm]. (Not shown in Figure 8I).
 - O. Between two vertical terminations - 12 inches [305 mm]. Terminations may be same height (Not shown in Figure 8I).
- N & O: Minimum of 12 inches [305 mm] required when two exhaust termination caps are placed next to each other. Measurement must be taken from inside edge of one steel chimney adapter to the inside edge of the other steel chimney adapter. A metal divider plate with same length and height as termination cap is required to be installed between the caps. Divider plate is not required if caps are at least 24 inches [610 mm] apart, measured edge to edge.
- P. Above furnace exhaust or inlet - 12 inches [305 mm]. (Not shown in Figure 8K).

*Clearance must be in accordance with local installation codes & the requirements of the gas supplier.



NOTE: A vent cannot be located directly above a side-walk or paved driveway that is located between two single family dwellings and serves both dwellings.

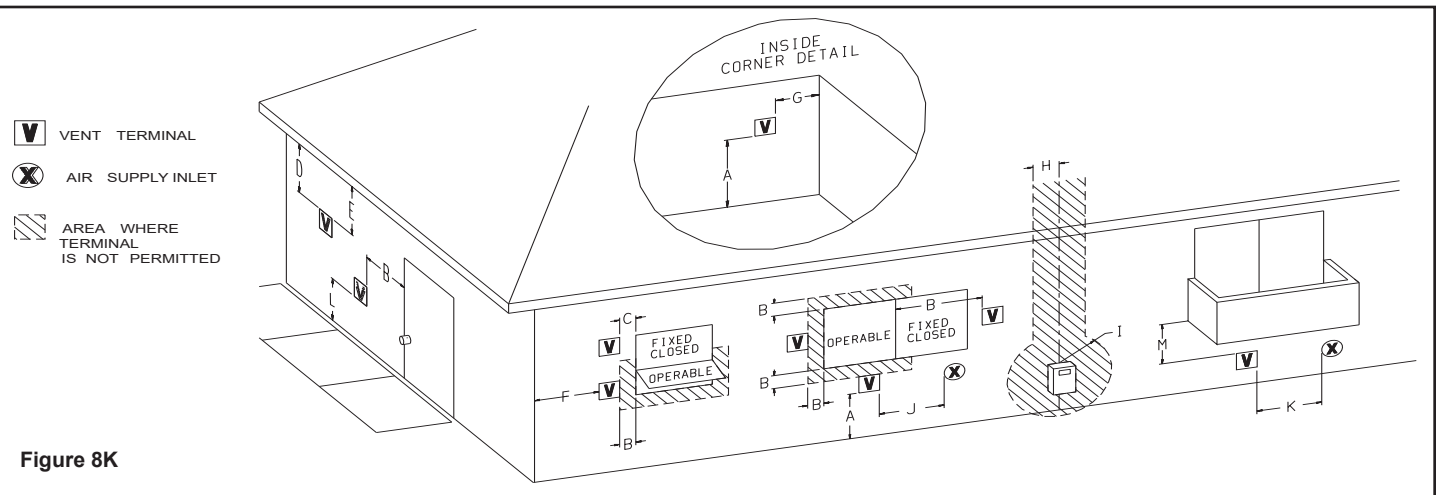
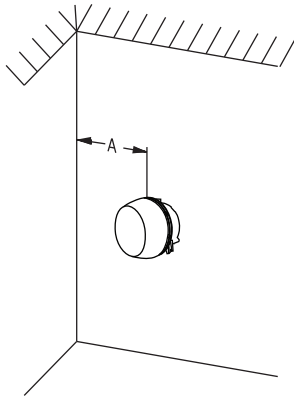


Figure 8K

8 - VENTING

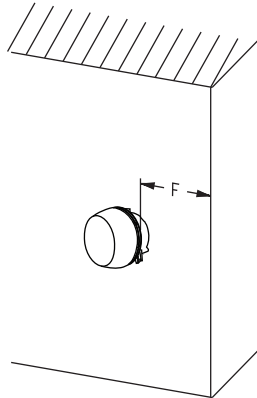
L. HORIZONTAL TERMINATION VENT CAP LOCATION & CLEARANCES

Inside Corner



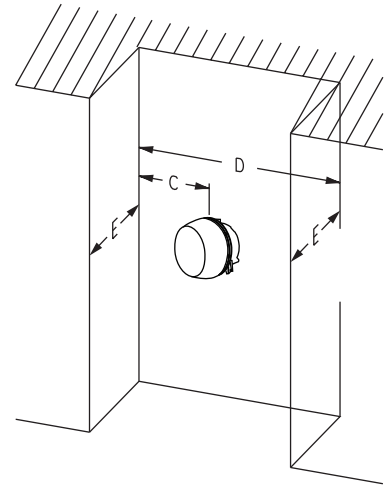
A = Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

Outside Corner



F = Combustible 6" (152mm)
= Non-combustible 6" (152mm)

Recessed Location

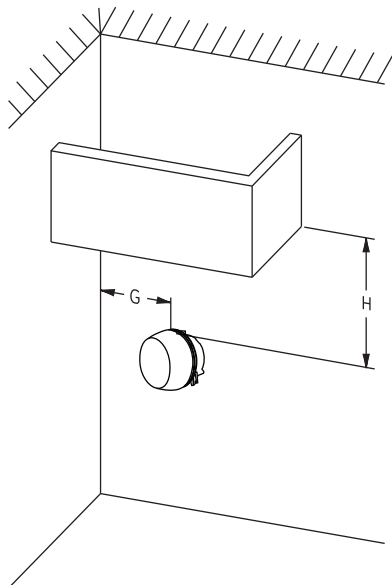


C = Clearance from corner in recessed location
= Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

D = Minimum width for back wall of a recessed location
= Combustible 64" (1,625.6mm)
= Non-combustible 40" (1,016mm)

E = Maximum depth of 48" (1,219mm) for recessed location

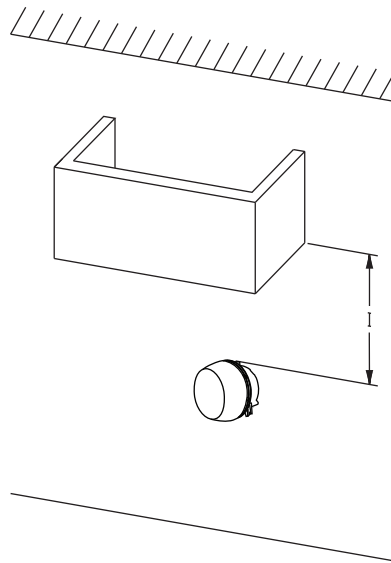
Balcony with perpendicular side wall



G = Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

H = Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

Balcony with no side wall



I = Combustible 24" (609.6mm)
= Non-combustible 12" (305mm)

IMPORTANT:
All dimensions are from the edge of the cap.

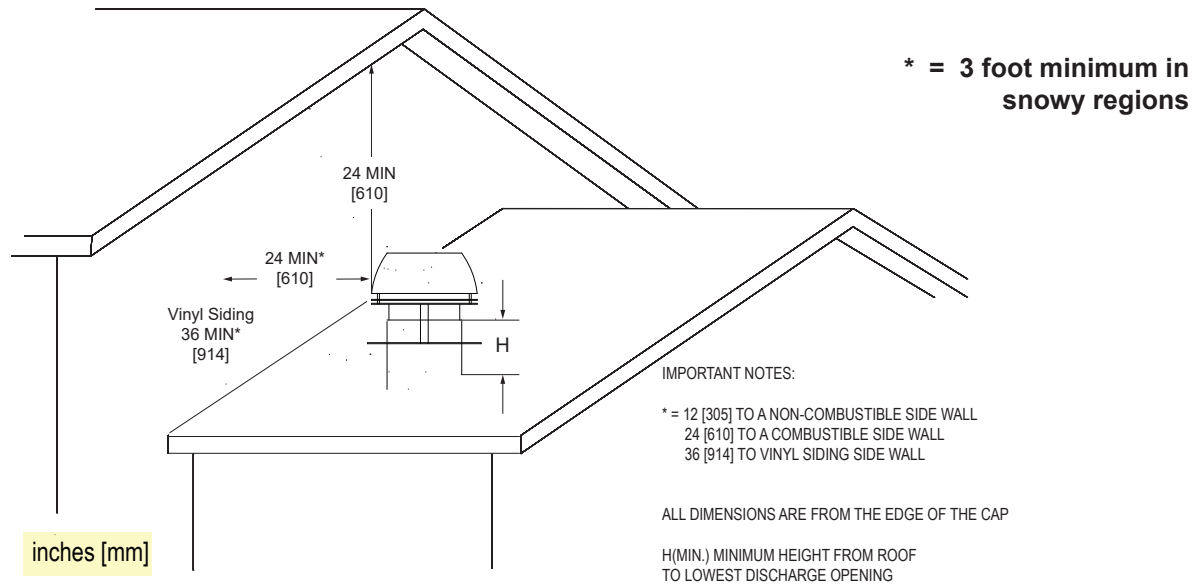
NOTE: Vinyl sided needs additional clearance. Add 12" (305mm) to combustible clearances for vinyl siding.

Figure 8L

8 - VENTING

M. VERTICAL VENT CAP LOCATION AND CLEARANCES

Figure 8M



ROOF PITCH	H (Min.) Ft.	H (Min.) M.
FLAT TO 6/12	1.0*	0.30
OVER 6/12 TO 7/12	1.25*	0.38
OVER 7/12 TO 8/12	1.5*	0.46
OVER 8/12 TO 9/12	2.0*	0.61
OVER 9/12 TO 10/12	2.5*	0.76
OVER 10/12 TO 11/12	3.25*	0.99

ROOF PITCH	H (Min.) Ft.	H (Min.) M.
OVER 11/12 TO 12/12	4.0	1.22
OVER 12/12 TO 14/12	5.0	1.52
OVER 14/12 TO 16/12	6.0	1.83
OVER 16/12 TO 18/12	7.0	2.13
OVER 18/12 TO 20/12	7.5	2.27
OVER 20/12 TO 21/12	8.0	2.44

N. VERTICAL -CLEARANCES TO OTHER CAPS - RS014/16

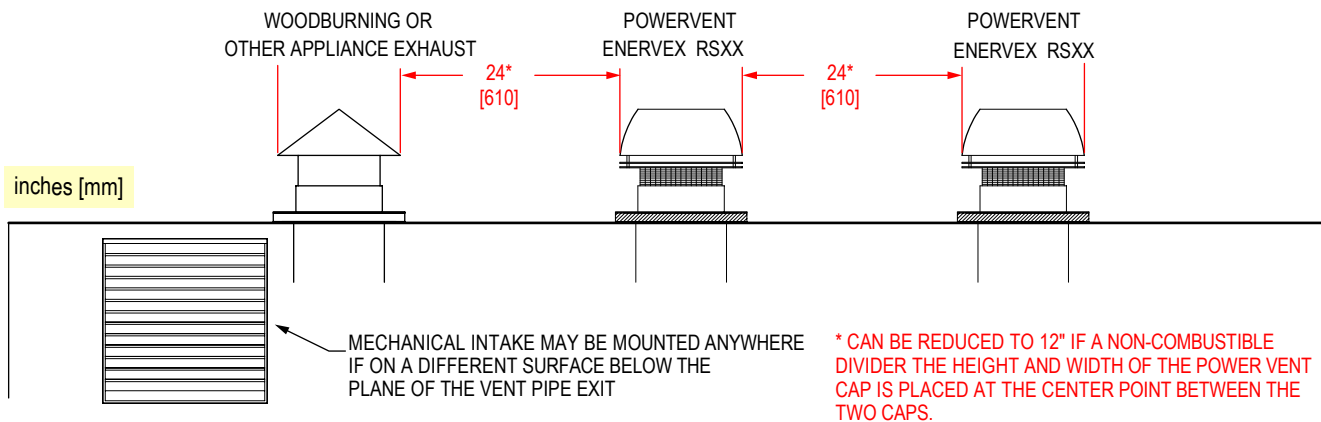


Figure 8N

8 - VENTING

O. WALL TERMINATION CAP INSTALLATION

Framing (W x H)	Inches	MM
12"	15-1/2" x 15-1/2"	394 x 394
14"	17-1/2" x 17-1/2"	445 x 445
16"	19-1/2" x 19-1/2"	495 x 495
18"	21-1/2" x 21-1/2"	546 x 546

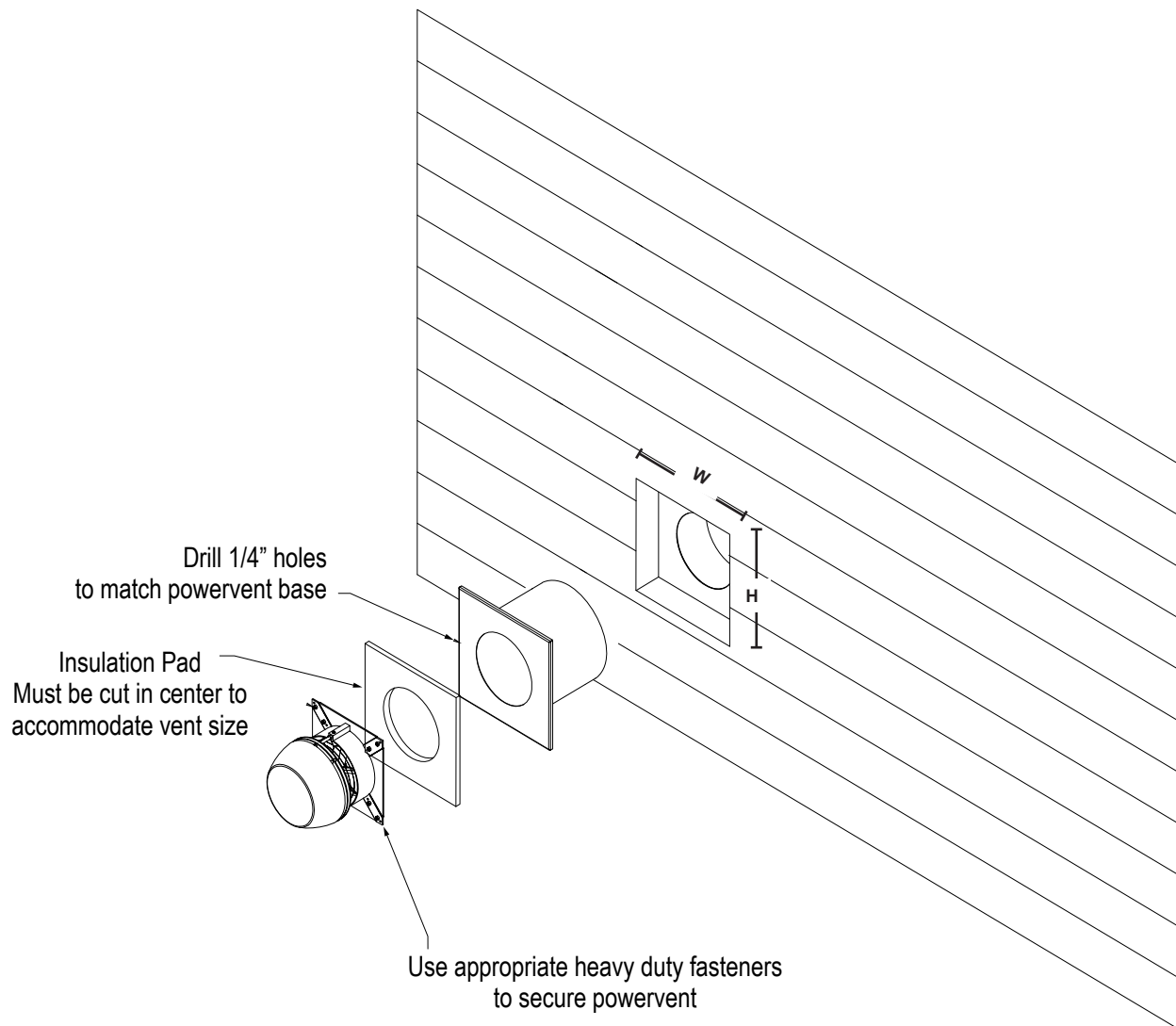


Figure 8O

8 - VENTING

P. ROOF TERMINATION CAP INSTALLATION

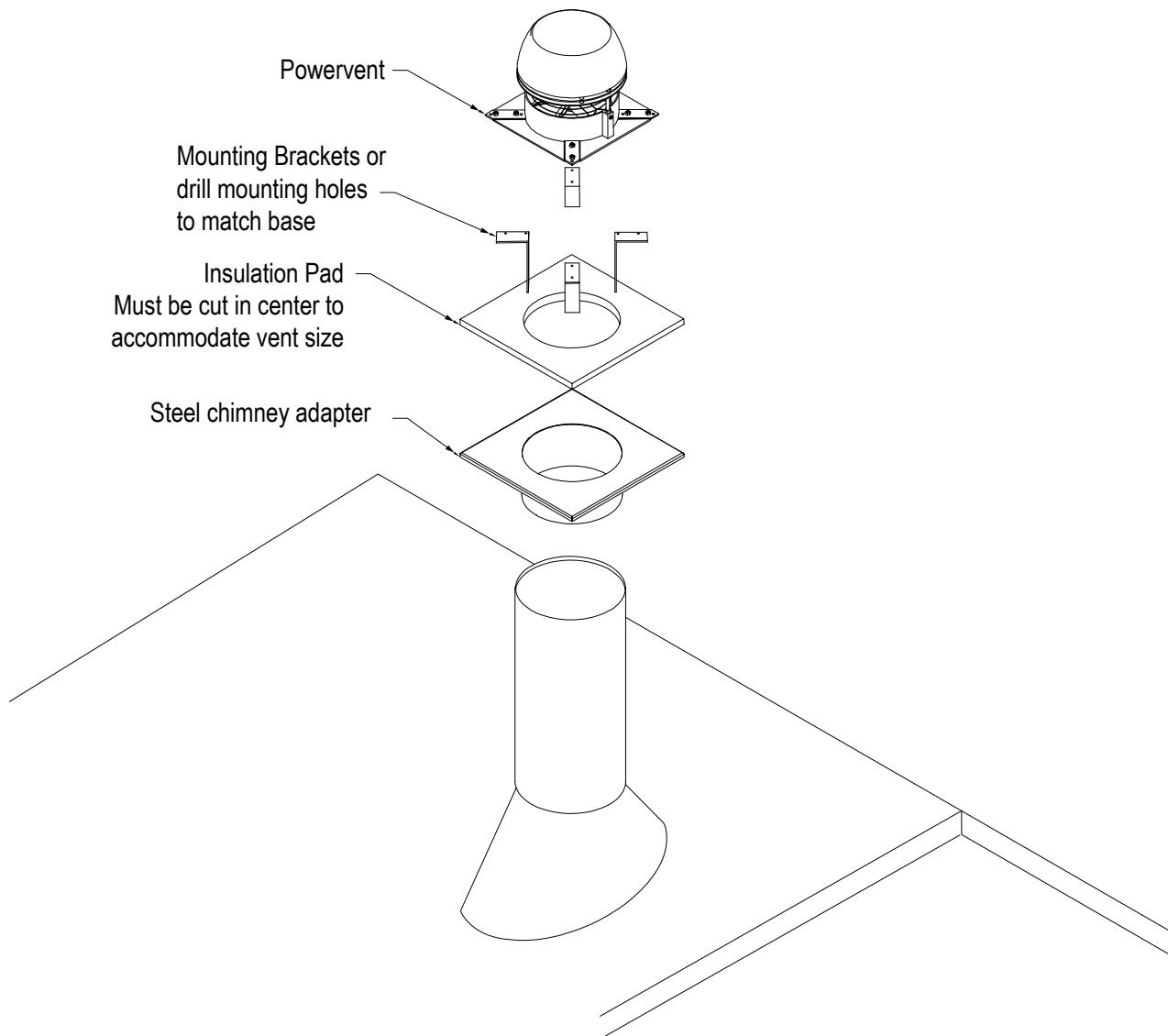


Figure 8P

8 - VENTING

Q. CHASE TOP CAP INSTALLATION

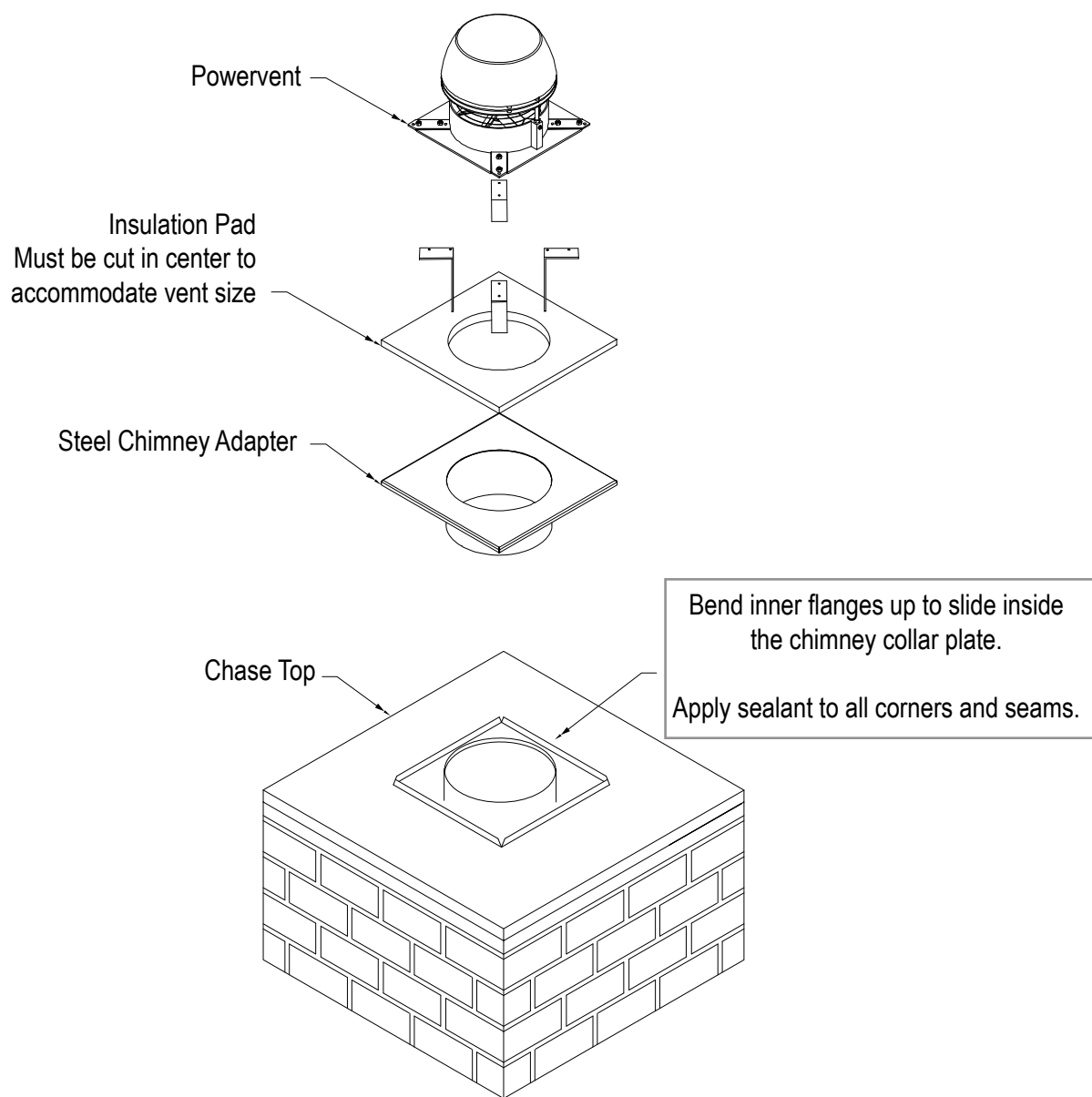
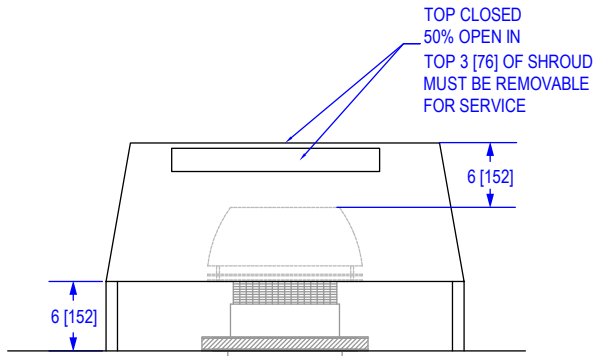


Figure 8Q

8 - VENTING

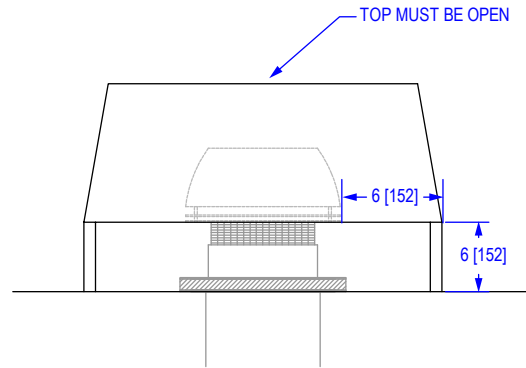
R. CHIMNEY SHROUD TYPES AND SPECIFICATIONS

NON-COMBUSTIBLE CONSTRUCTION ONLY ALLOWED



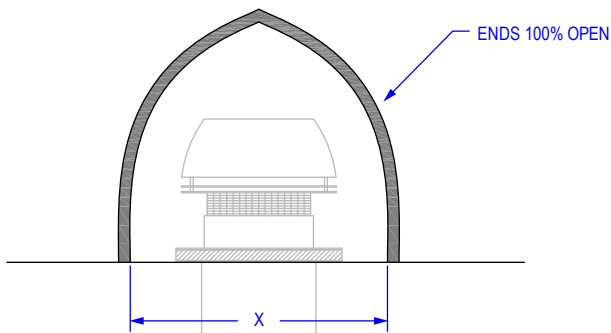
SQUARE OR RECTANGLE ALL FOUR SIDES & TOP ENCLOSED

Figure 8R.1



SQUARE OR RECTANGLE ALL FOUR SIDES ENCLOSED

Figure 8R.2



RS12 X=33.5 [851]

RS14 X=35.5 [902]

RS16 X= 37.4 [950]

Figure 8R.3

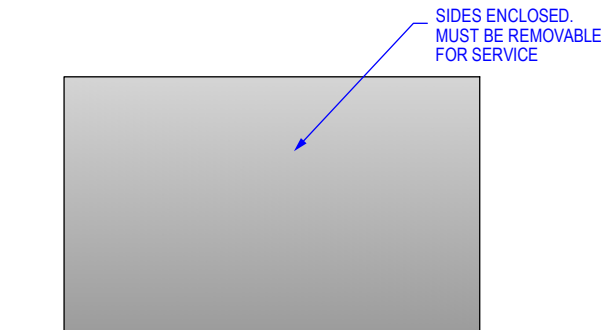
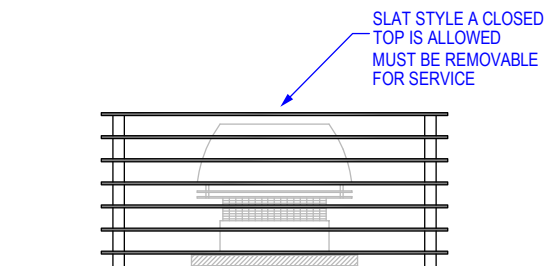
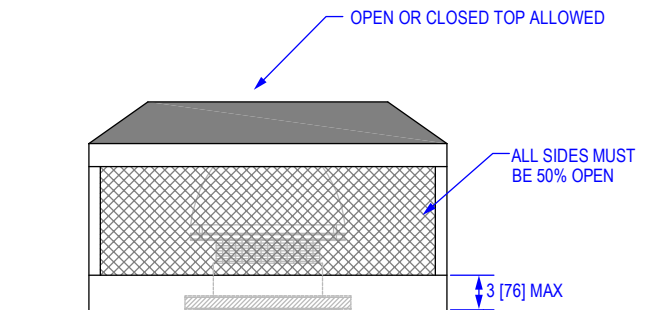


Figure 8R.4 (Side View)



SQUARE OR RECTANGLE ALL FOUR SIDES SLATTED

Figure 8R.5
(Front View)



SQUARE OR RECTANGLE ALL FOUR SIDES EXPANDED METAL

Figure 8R.6

inches [mm]

9 - TETHERED CONTROL PANEL

TETHERED CONTROL PANEL INSTALLATION GUIDELINES

The Indoor tethered control box is meant to provide an easier access to the controls when a fireplace is mounted in a difficult location, the fireplace base is shorter than normal, or when it is desired to have the controls in another location.

The tethered control box also gives the electrician an easier location to connect the high voltage wiring. Follow all local codes.

Choose a location suitable for the box. The box should be close enough to the fireplace to accommodate the low voltage harness that connects the box with the fireplace. The low voltage harness comes in 30, 50, 75, and 100 foot lengths. Often a mechanical room, closet, cabinet, or something of that nature is chosen for the location. Keep in mind the wiring knockouts and if the box will be recessed in the stud cavity or if conduit will be used. Follow all local electrical codes.

Securely mount the box using the attachment holes in the back wall. Mount the box to a solid surface so it can not move.

If recessing in the wall, choose a stud cavity wide enough to accommodate the knockouts in the sides and the wires passing through them.

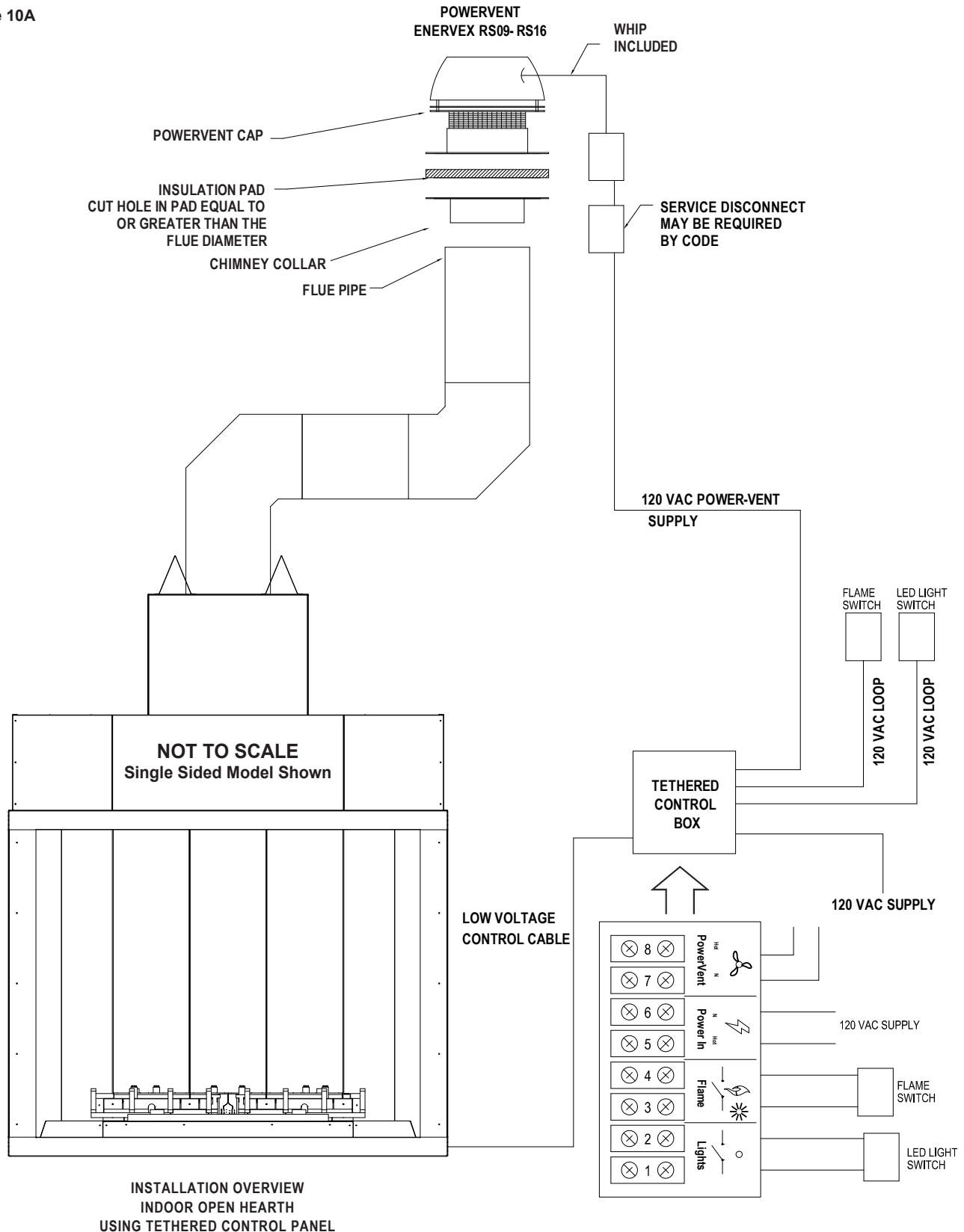
Connect the high voltage input, high voltage output to the powervent, high voltage switch loops to the box following the wiring instructions in the specific fireplace manual.

Connect the low voltage harness to the connector inside the box and to the connector under the fireplace adjacent to the valve.

10 - ELECTRIC

A. ELECTRICAL INSTALLATION OVERVIEW

Figure 10A



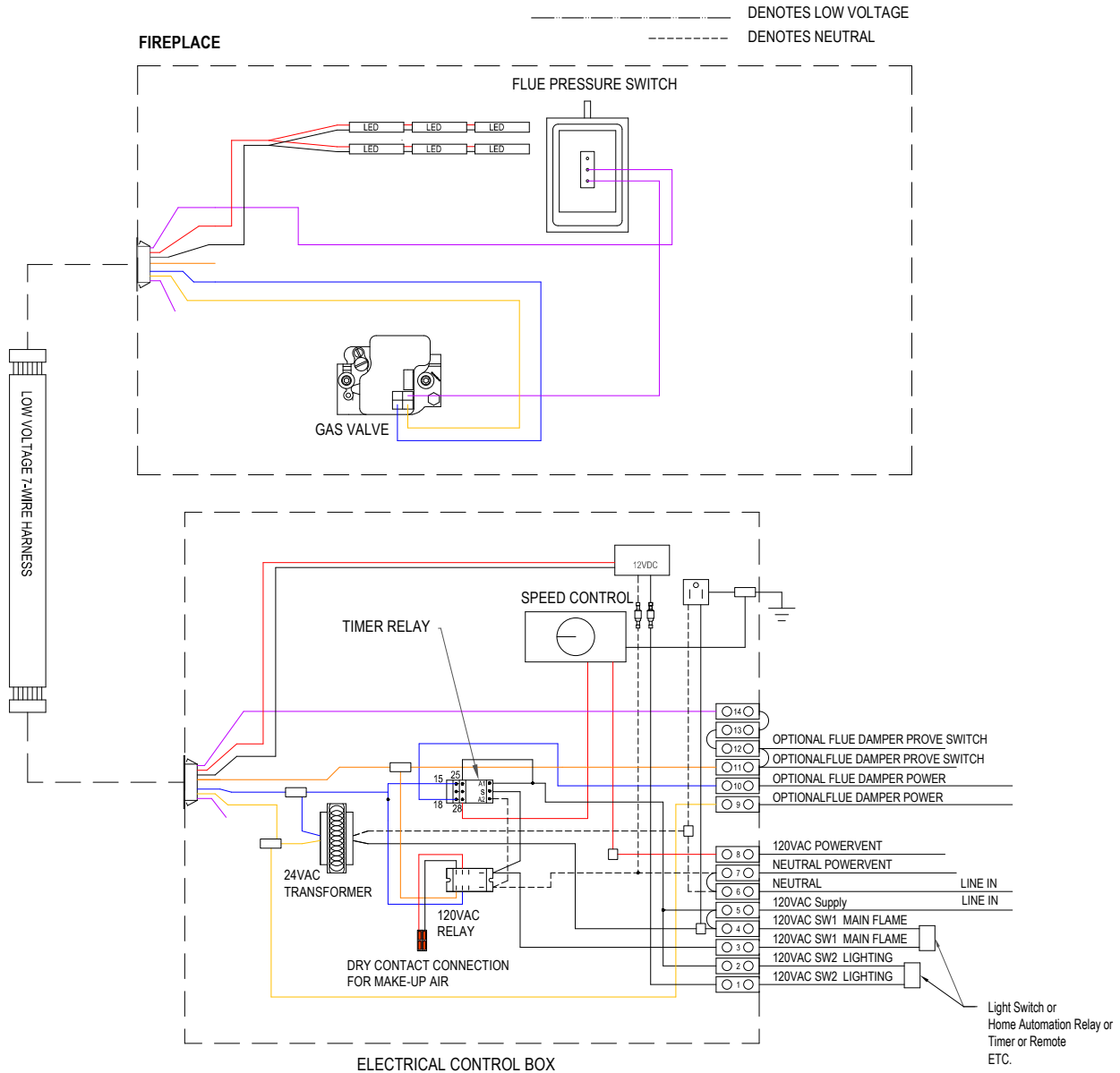
NOTE FOR THE ELECTRICIAN: FIELD WIRING SHOULD BE LABELED FOR EASY IDENTIFICATION.

10 - ELECTRIC

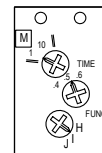
B. ELECTRICAL WIRING SCHEMATIC - TROUBLESHOOTING



NOTE: The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*, or the *Canadian Electrical Code, Part 1, CSA C22.1*.



#	FUNCTION	NOTES:
1	120VAC SW2 LIGHTS	120 VOLT SWITCH LOOP
2	120VAC SW2 LIGHTS	120 VOLT SWITCH LOOP
3	120VAC SW1 MAIN FLAME	120 VOLT SWITCH LOOP
4	120 VAC SW1 MAIN FLAME	120 VOLT SWITCH LOOP
5	120 VAC SUPPLY	120VAC 15 AMP DEDICATED CIRCUIT
6	NEUTRAL	120VAC 15 AMP DEDICATED CIRCUIT
7	NEUTRAL POWERVENT	DO NOT SHARE NEUTRAL
8	120VAC POWERVENT	FROM SPEED CONTROL
9	24VAC FLUE DAMPER POWER - OPTIONAL	BLACK WIRE IN PAIR
10	24VAC FLUE DAMPER NEUTRAL - OPTIONAL	RED WIRE IN PAIR
11	SW3 FLUE DAMPER PROVE - ONLY IF DAMPER USED	USE PURPLE AND WHITE, NOT RED
12	SW3 DAMPER PROVE - ONLY IF DAMPER USED	USE PURPLE AND WHITE, NOT RED
13	CONNECTION FOR EXTERNAL FLUE PRESSURE SWITCH	FACTORY WIRED
14	CONNECTION FOR EXTERNAL FLUE PRESSURE SWITCH	FACTORY WIRED



RELAY TOP:
 FIRST DIAL-SET TO "1"
 SECOND DIAL-SET TO ".5"
 THIRD DIAL- SET TO "1"

LED STATUS: GREEN =POWER APPLIED, POWERVENT OFF
 RED FLASHING= TIMING PERIOD, PRE OR POST PURGE
 RED SOLID= CLOSED STATE, POWERVENT ON

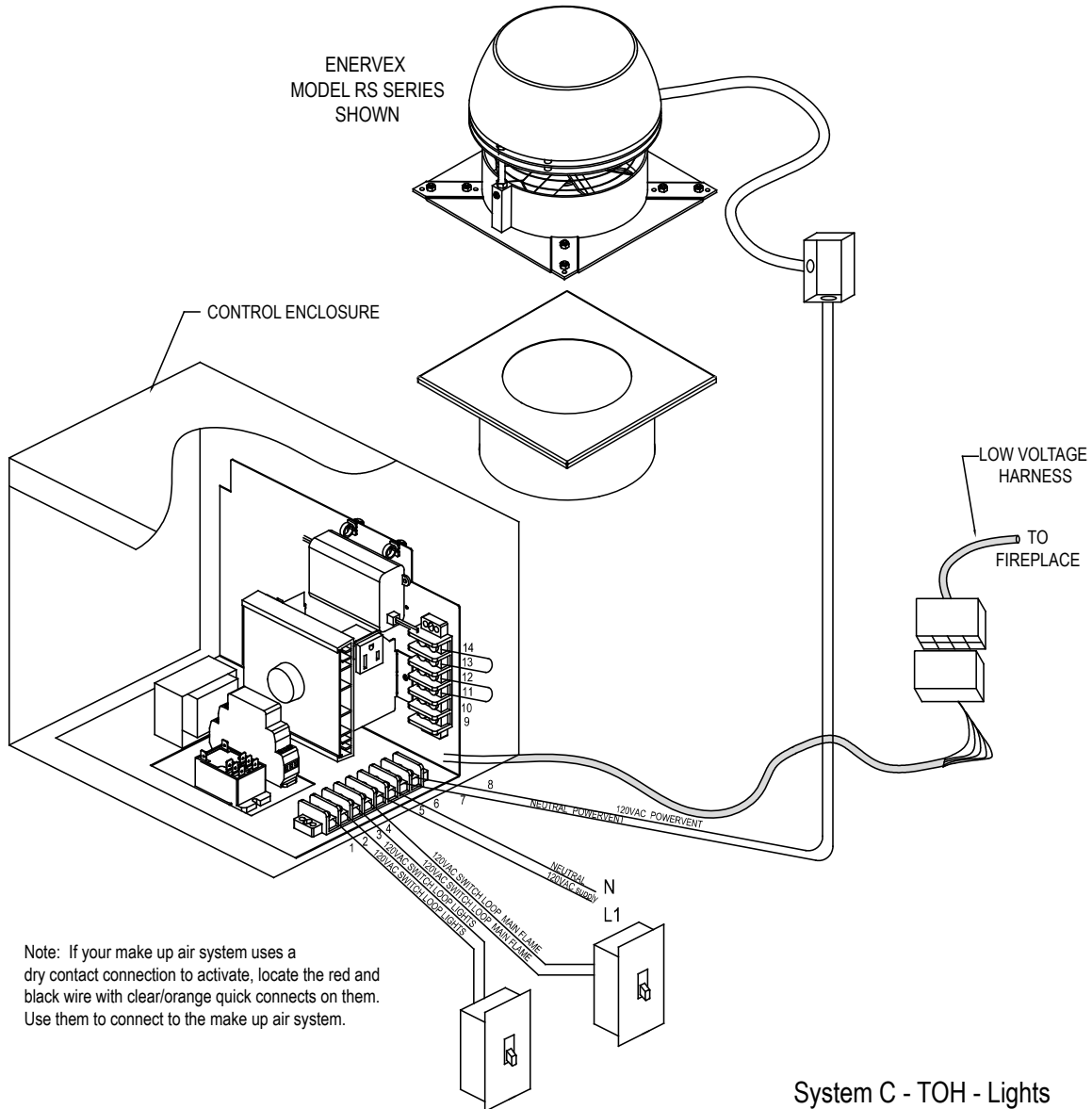
SYSTEM: TA1B011SYE-LOH

Figure 10 B

10 - ELECTRIC

C. ELECTRICAL WIRING SCHEMATIC - FIELD

WIRE THE FIREPLACE TO A 15 AMP MIN DEDICATED CIRCUIT. SEE TERMINALS #5 & #6.



System C - TOH - Lights

#	FUNCTION	NOTES:
1	120 VAC SW2 LIGHTS - IF EQUIPPED	120 VOLT LOOP
2	120VAC SW2 LIGHTS - IF EQUIPPED	120 VOLT LOOP
3	120VAC SW1 MAIN FLAME	120 VOLT LOOP
4	120 VAC SW1 MAIN FLAME	120 VOLT LOOP
5	120 VAC SUPPLY	CONNECT TO CONSTANT POWER SOURCE
6	NEUTRAL	CONNECT TO CONSTANT POWER SOURCE
7	NEUTRAL POWERVENT	DO NOT SHARE NEUTRAL
8	120VAC POWERVENT	FROM SPEED CONTROL
9	24VAC FLUE DAMPER POWER - OPTIONAL	USE RED FROM RED/BLACK PAIR
10	24VAC FLUE DAMPER NEUTRAL - OPTIONAL	USE BLACK FROM RED/BLACK PAIR
11	SW3 FLUE DAMPER PROVE - OPTIONAL	USE PURPLE AND WHITE, NOT RED
12	SW3 DAMPER PROVE - OPTIONAL	USE PURPLE AND WHITE, NOT RED
13	CONNECTION FOR EXTERNAL FLUE PRESSURE SWITCH (4 SIDED ONLY)	FACTORY WIRED
14	CONNECTION FOR EXTERNAL FLUE PRESSURE SWITCH (4 SIDED ONLY)	FACTORY WIRED

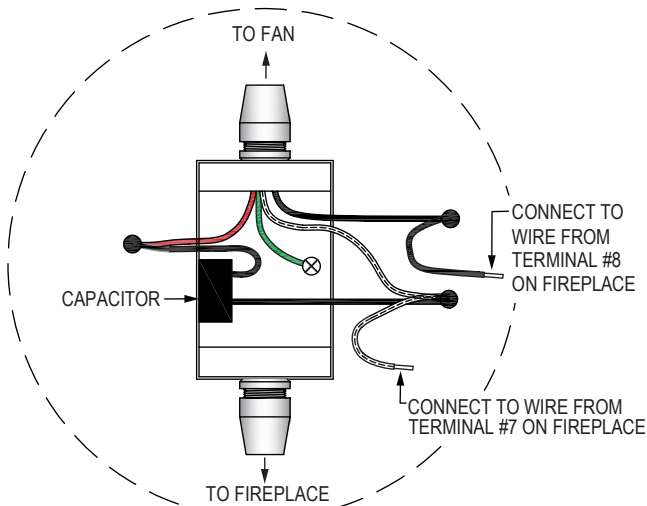
Figure 10C

10 - ELECTRIC

D. JUNCTION BOX & CAPACITOR

**DO NOT DISCARD
JUNCTION BOX - CAPACITOR INSIDE**

**JUNCTION BOX
PRE-WIRED FROM STELLAR**



**JUNCTION BOX
WIRING FROM ENERVEX**

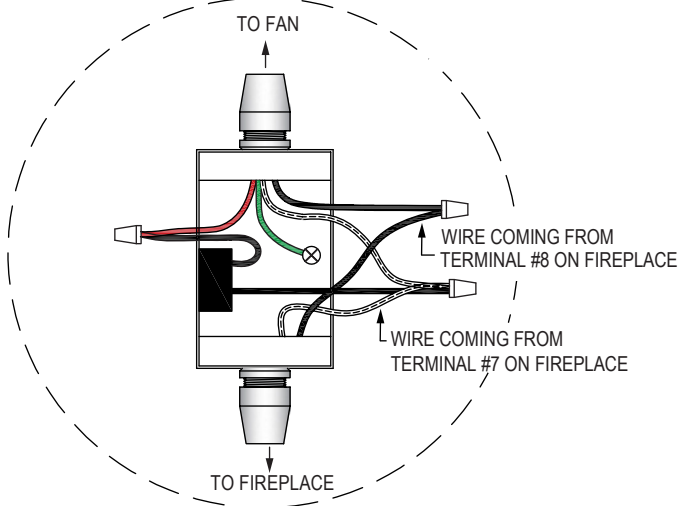


Figure 10D

E.1 TERMINALS 1 & 2 - LED LIGHTING

TERMINAL 1 & 2: LED LIGHTING

TERMINAL #2	HAS 120VAC POWER TO SUPPLY A SWITCH, RELAY, TIMER, REMOTE, ETC.
TERMINAL #1	RETURNS 120VAC POWER TO ACTIVATE THE LED DRIVER.

LIGHT SWITCH OR HOME AUTOMATION
RELAY OR TIMER OR REMOTE ETC.

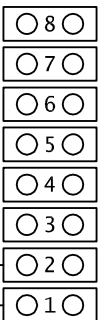
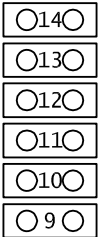
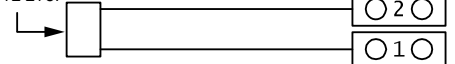


Figure 10 E.1

**NOTE FOR THE ELECTRICIAN:
FIELD WIRING SHOULD BE LABELED
FOR EASY IDENTIFICATION.**

10 - ELECTRIC

E.2 TERMINALS 3 & 4 - MAIN FLAME

TERMINAL 3 & 4 : MAIN FLAME

TERMINAL #4	HAS 120VAC POWER TO SUPPLY A SWITCH, RELAY, TIMER, REMOTE, ETC.
TERMINAL #3	RETURNS 120VAC POWER TO ACTIVATE TO MAIN FLAMES.

IF USING STANDARD ROMEX, CONNECT BLACK TO TERMINAL #4 AND WHITE TO TERMINAL #3.
SINCE 120 VOLTS WILL TRAVEL ON WHITE, MARK THE WHITE WIRE ACCORDING TO CODE.

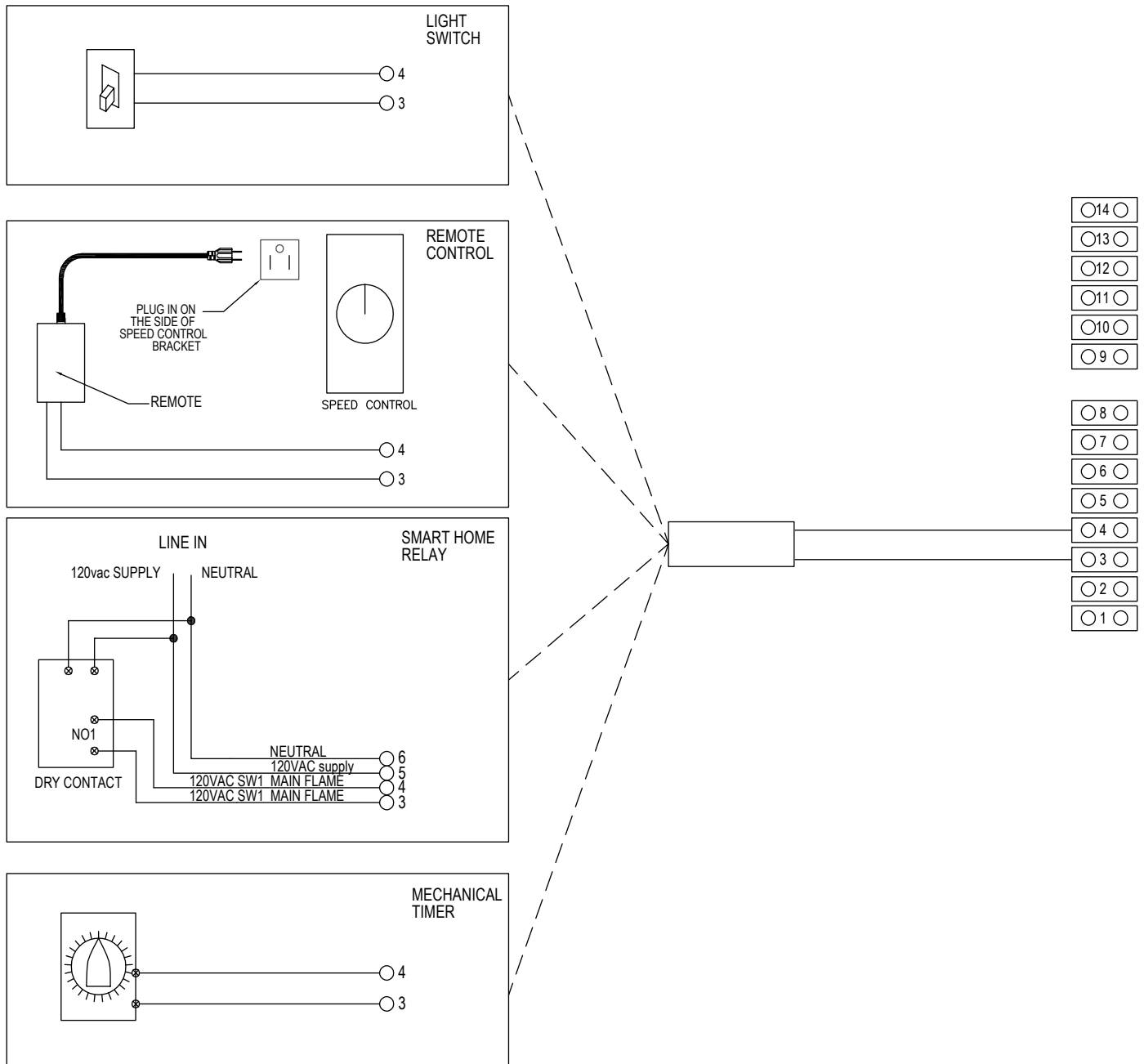


Figure 10E.2

SMART HOME RELAY NOTE: Generic diagram, follow specific relay manufactures instructions.

10 - ELECTRIC

E.3 - TERMINALS 5 & 6 FIREPLACE POWER

TERMINAL 5 & 6: FIREPLACE POWER

GROUND - LOCATE THE GREEN WIRE CLUSTER
CONNECT THE GREEN WIRE TAIL TO BUILDING GROUND

TERMINAL #5	IS THE 120VAC POWER SUPPLY FOR THE FIREPLACE. THIS IS A CONSTANT POWER SUPPLY AND SHOULD NOT BE SWITCHED. A SERVICE DISCONNECT MAY BE DESIRED.
TERMINAL #6	IS THE NEUTRAL CONNECTION

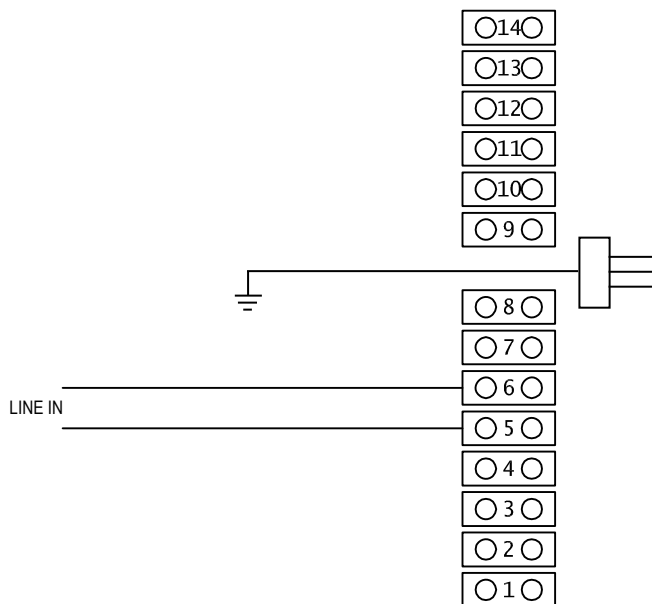


Figure 10E.3

**WIRE THE FIREPLACE TO A 15 AMP MIN
DEDICATED CIRCUIT.**

E.4 - TERMINALS 7 & 8 POWERVERT MOTOR

TERMINAL 7 & 8: POWERVERT CONNECTION

POWERVERT POWER MUST COME FROM THE TERMINAL BLOCK AND
NOT ANY OTHER POWER SOURCE.

TERMINAL #8	IS THE HOT CONNECTION FOR THE POWERVERT MOTOR FROM THE SPEED CONTROL.
TERMINAL #7	IS THE NEUTRAL CONNECTION FOR THE POWERVERT MOTOR.

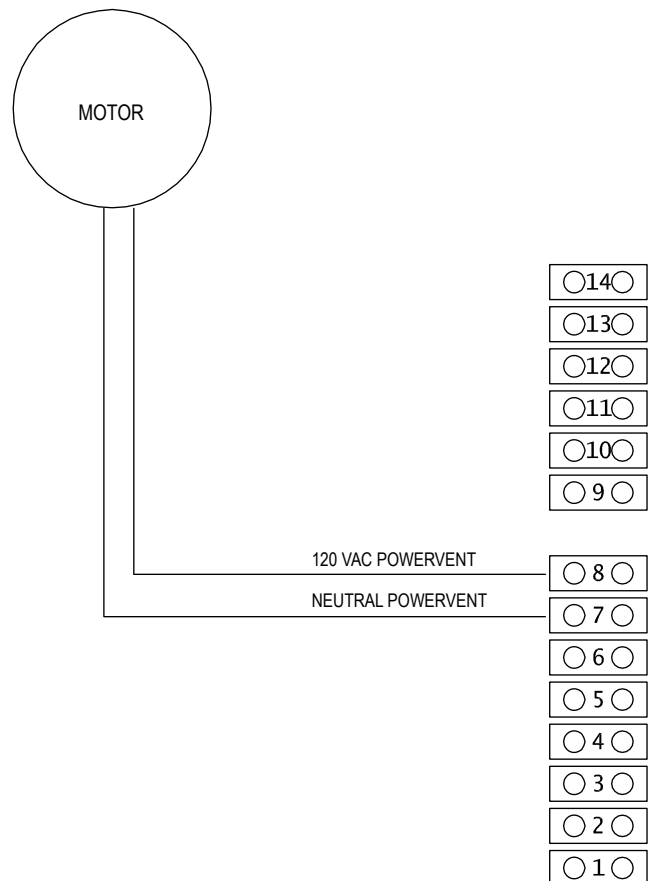


Figure 10E.4

10 - ELECTRIC

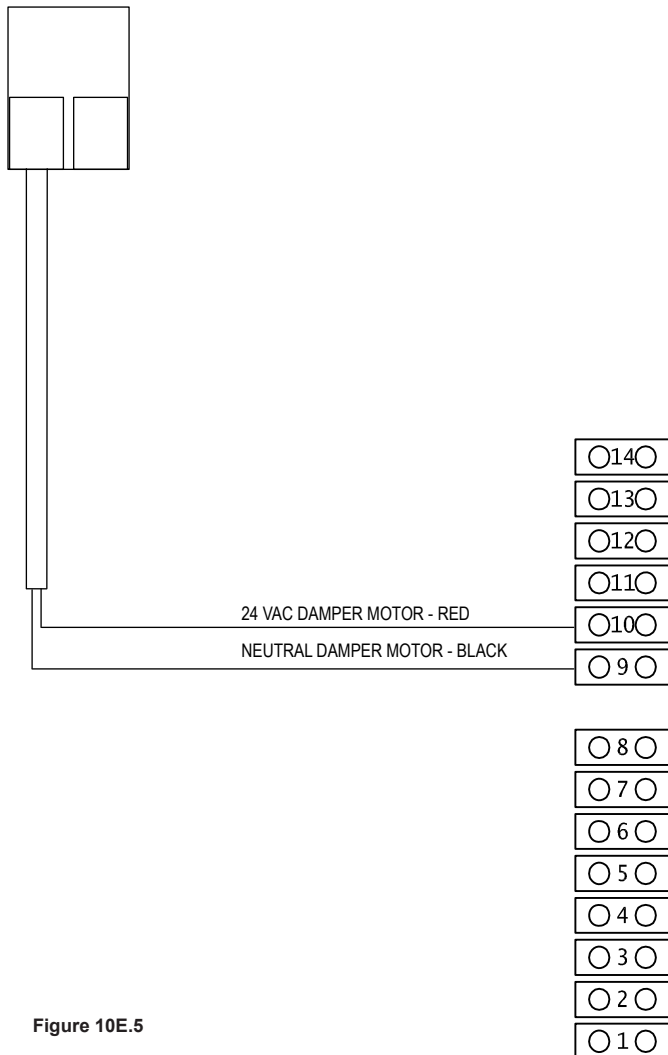
E.5 - TERMINALS 9 & 10 FLUE DAMPER CONNECTION

TERMINALS 9 & 10: FLUE DAMPER CONNECTION

THIS IS LOW VOLTAGE AND EXTERNAL POWER MUST NOT BE APPLIED

TERMINAL #9	IS THE NEUTRAL CONNECTION FOR THE DAMPER MOTOR. BLACK WIRE.
TERMINAL #10	IS THE HOT CONNECTION FOR THE DAMPER MOTOR. RED WIRE.

NOTE: THIS IS OPTIONAL.
IF A DAMPER IS NOT USED DO NOT CONNECT ANYTHING TO TERMINALS 9 & 10.



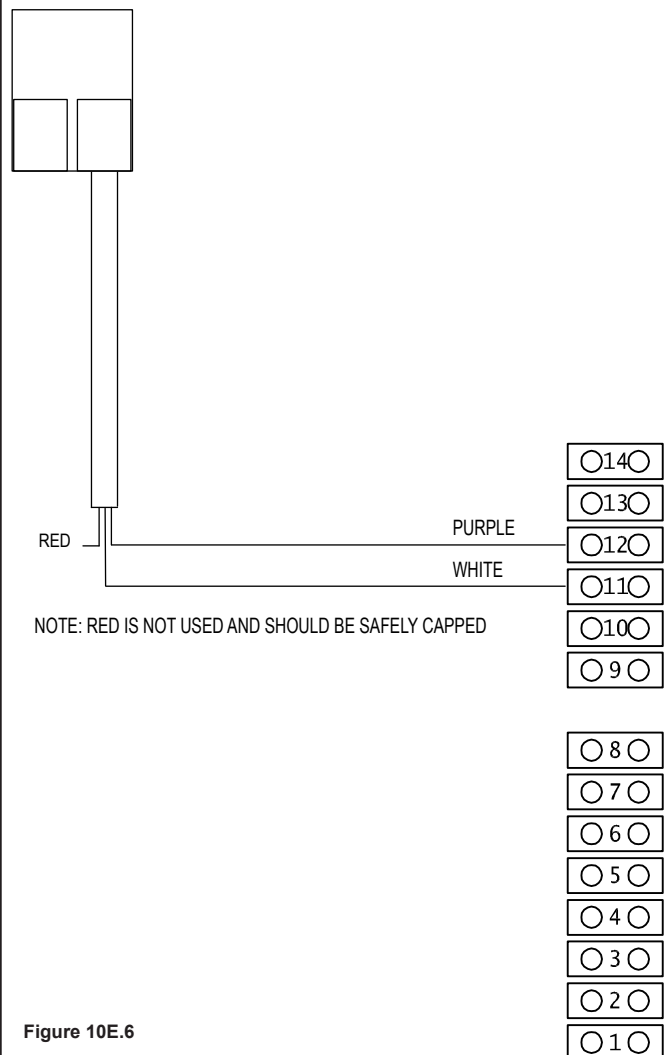
E.6 - TERMINALS 11 & 12 FLUE DAMPER PROVE

TERMINALS 11 & 12: FLUE DAMPER PROVE

THIS IS LOW VOLTAGE AND EXTERNAL POWER MUST NOT BE APPLIED

TERMINAL #11	CONNECTS TO THE WHITE WIRE FROM THE TRIPLE WIRE LEAD ON THE DAMPER MOTOR.
TERMINAL #12	CONNECTS TO THE PURPLE WIRE FROM THE TRIPLE WIRE LEAD ON THE DAMPER MOTOR.

NOTE: THIS IS OPTIONAL.
IF A DAMPER IS NOT USED TERMINALS 11 & 12 HAVE A JUMPER ACROSS THEM



Low Voltage Wire Gauge - Max Length

Feet [Meters]

Transformer Output	12 awg	14 awg	16 awg	18 awg
40VA(W)	453 [138]	285 [86.9]	179 [54.56]	113 [34.4]

Use a minimum of 18 awg wire

11 - FINISHING

FINISHING THE WALL REQUIREMENTS



NOTE: REFER TO DIMENSIONS SECTION FOR ALLOWABLE FINISHING DIMENSIONS.
FINISHING MATERIALS MUST NOT OVERLAP THE DIMENSIONS HIGHLIGHTED IN GREEN.

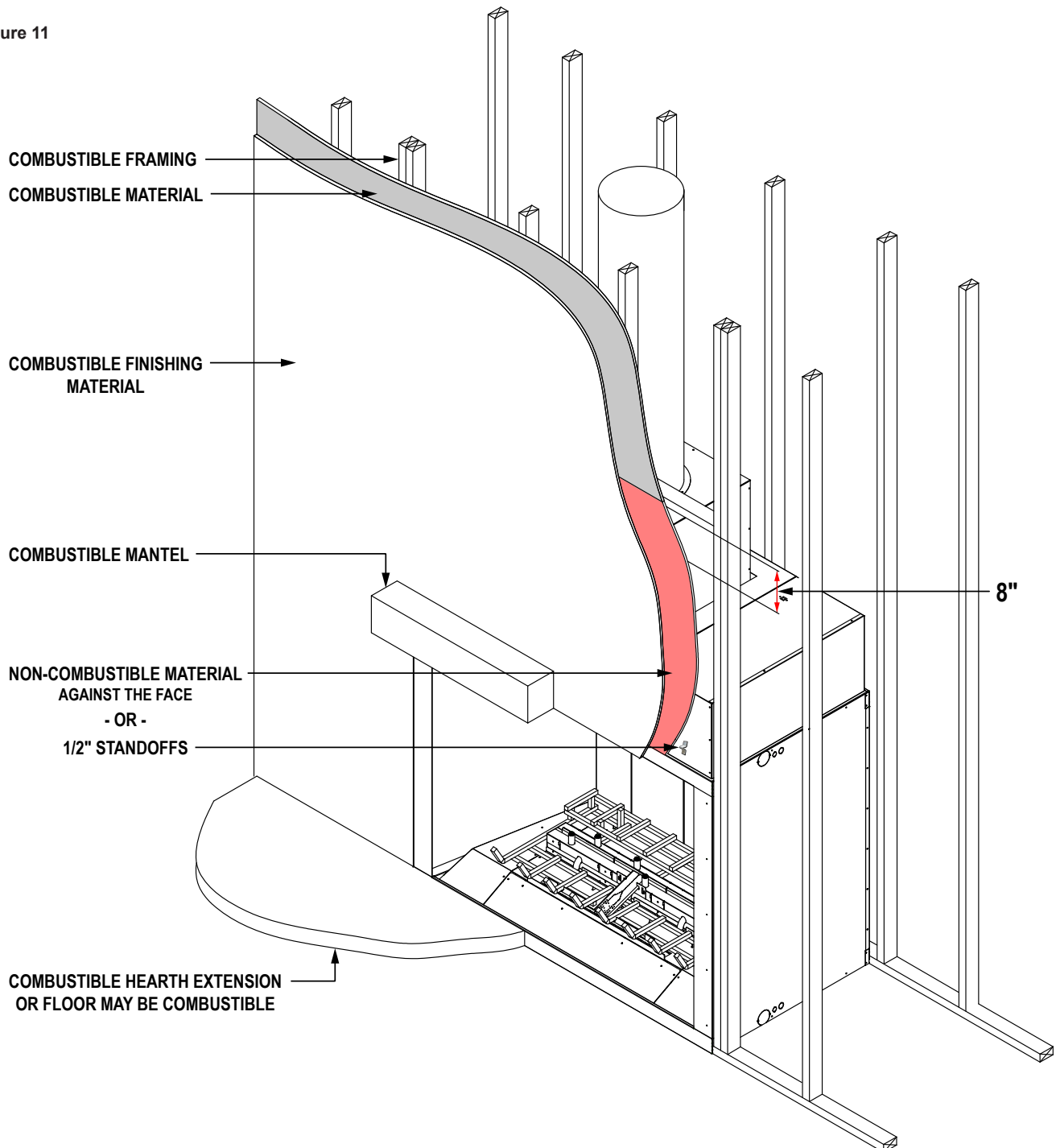


NOTE: **DO NOT** PIERCE ANY OF THE BLACK PAINTED SURFACES WITH SCREWS, RIVETS, ETC.
THIS INCLUDES THE 3" [76mm] BLACK TOP AND BOTTOM TRIM AND ANY PAINTED SIDES ADJACENT TO THE FIREBOX
OPENING



NOTE: REFER TO MANTEL REQUIREMENTS: NON-COMBUSTIBLE ZONE USING PROVIDED 1/2" [13mm] STANDOFFS FOR
MORE INFORMATION.

Figure 11



12 - LIGHTING & SHUTDOWN

FOR YOUR SAFETY - READ BEFORE LIGHTING



STOP: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

DUE TO HIGH SURFACE TEMPERATURES, KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air. It is important to make sure the termination cap remains unobstructed at all times from snow, ice, leaves or other debris.

- This fireplace is equipped with an ignition device which automatically lights the pilot and main burner. The pilot and burner light automatically with the wall switch. **DO NOT** try to light the pilot by hand. Before lighting this fireplace, follow these instructions exactly.
- **BEFORE LIGHTING**, smell all around the appliance for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.

WHAT TO DO IF YOU SMELL GAS:

- Do not touch any electrical switches
- Do not try to light any appliance
- Do not use the phone in your building
- 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

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE



NOTE: A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING.



NOTE: THIS FIREPLACE MAY PRODUCE NOISES OF VARYING DEGREE AS IT HEATS AND COOLS DUE TO METAL EXPANSION AND CONTRACTION. THIS IS NORMAL AND DOES NOT AFFECT THE PERFORMANCE OR LONGEVITY OF THE FIREPLACE.

A. LIGHTING THE FIREPLACE

To light the fireplace:

Activate the switch.

The fireplace has a pre and post timer, set at the factory for 30 seconds.

The powervent will start 30 seconds after the switch is activated.

The flame will not turn on for 30-60 seconds after switch is activated.

The powervent will run for 30 seconds after the fireplace has been shut off.

12 - LIGHTING & SHUTDOWN



STOP! Read safety information on previous page and front cover of this manual before continuing.



NOTE: This fireplace is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.

B. IF THE FIREPLACE DOES NOT LIGHT

1. Turn off the fireplace at switch.
2. Turn off all electrical power to fireplace.
3. Wait five (5) minutes to allow any gas that may have accumulated inside firebox to escape. If you then smell gas, **STOP!** Follow safety information on front cover and on previous page of the installation manual. If you don't smell gas, go to next step.
4. Turn **ON** all electrical power to fireplace.
5. Turn fireplace on at switch.

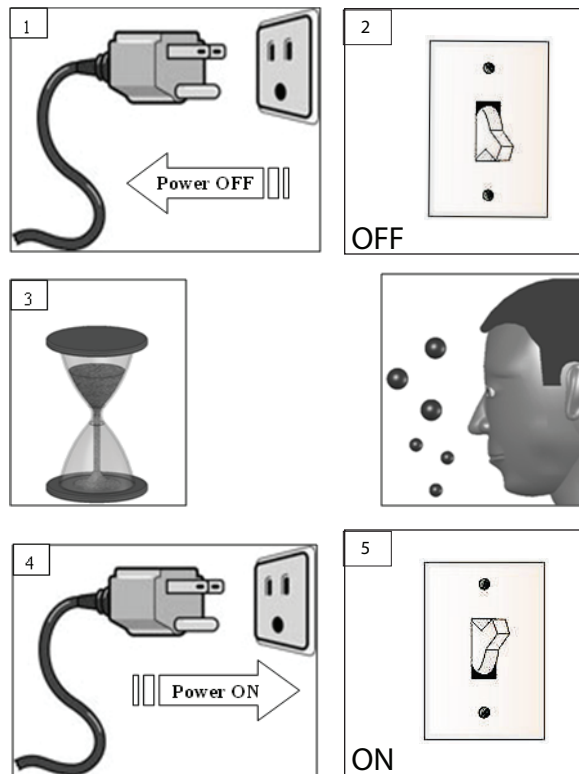


Figure 12B



CAUTION: If fireplace will not operate, follow instructions **TURNING OFF GAS TO FIREPLACE** and call your service technician or the gas supplier.

13 - PRESSURE TESTING



NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.



NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).

INLET PRESSURE TEST

1. The valve has an Allen-plug on the inlet and outlet.
2. Install a barb fitting on the tap you want to measure.
3. Light the fireplace, check the pressure.
4. Turn off fireplace; reinstall plug.
5. Check for leaks.



CAUTION: A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION



NOTE: If inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust incoming gas pressure.

14 - FINALIZING THE INSTALLATION

A. INSTALLING THE MEDIA AND LOG SET INSTRUCTIONS

Media and log set installation instructions can be found in a separate manual found in the Manual Packet provided with the fireplace.

B. FLAME APPEARANCE

Flame appearance is affected by several factors including altitude, venting configuration and fuel quality. Although the venturi setting has been factory set, adjustments may be necessary for optimal performance and visual aesthetics.

When fireplace is first lit, the flames will be blue. Flames will gradually turn yellowish-orange during first 15 minutes of operation. If flames remain blue, or become dark orange with evidence of sooting (black tips), the burner tube venturi may need adjustment. Contact Stellar Hearth.

15 - MAINTENANCE

The appliance is required to be inspected at least once a year by a professional service person. The compartment below firebox (behind lower access panel) must be cleaned at least once a year, more frequent cleaning may be required due to excessive lint from carpeting, bedding materials, or other fibrous materials. It is imperative that the burner be cleaned once a year.

VALVE AND ELECTRICAL ACCESS

There is an access panel under the floor of the firebox should more extensive service be needed.

Remove the media covering the perf screen on the side containing the pilot.

Only remove enough media to expose the screen above the valve.

Remove the screws and lift the screen panel up and out to expose the valve area.



NOTE: INSTALLATION AND REPAIR SHOULD BE DONE ONLY BY QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND ANNUALLY BY A QUALIFIED SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIALS, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

A. VENT SYSTEM

- Annual examination of venting system by a qualified agency is required.



CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING. KEEP APPLIANCE AREA CLEAR OF COMBUSTIBLE MATERIALS, SUCH AS GASOLINE AND OTHER FLAMMABLE VAPORS AND LIQUIDS.

16 - REPLACEMENT PARTS

A. REPLACEMENT PARTS LIST

IMPORTANT: REPLACEMENT PARTS

Parts must be ordered from a dealer or distributor.

Hearth & Home Technologies does not sell directly to consumers.

Provide model number and serial number when requesting service parts from your dealer or distributor.

PART	PART NUMBER
Gas Valve - 4' Units	SV9501
Gas Valve - 5', 6' & 7' Units	SV9601
Pilot Assembly	112-5000
Pilot Tube	16400-2851
Replacement Ignitor	B13M-1D643C
Vacuum Switch	112-5003
Transformer, 24 VAC	112-5002
Timer Relay	112-5014
Solid State Relay	112-5009
Speed Control, 10 AMP	16400-4000

Model #	ORIFICE - NG
4'	(1X) #55, (1X) #51, (2X) #43, (4X) #50
5'	(1X) #49, (1X) #51, (3X) #43, (6X) #50
6'	(1X) #43, (1X) #51, (4X) #43, (8X) #50
7'	(1X) #43, (1X) #51, (4X) #43, (8X) #50

Model #	ORIFICE - Propane
4'	(1X) #60, (1X) #60, (2X) #55, (4X) #60
5'	(1X) #56, (1X) #60, (3X) #55, (6X) #60
6'	(1X) #55, (1X) #60, (4X) #55, (8X) #60
7'	(1X) #55, (1X) #60, (4X) #55, (8X) #60

PART	PART NUMBER	QUANTITY
Ships standard with COPPER unless otherwise specified. See your dealer for other glass media or natural stone options.	2188-851	<u>Varies by model size</u> 4' = 50 lbs 5' = 60 lbs 6' = 70 lbs 7' = 80 lbs

PART	PART NUMBER
Natural Gas to Propane Gas Conversion Kit - All Sizes	NG2LP-TOH
Propane Gas to Natural Gas Conversion Kit - All Sizes	LP2NG-TOH

PART	PART NUMBER
Enervex Chimney Fan used for 4' - 5' units	RS014
Enervex Chimney Fan used for 6' - 7' units	RS016

PART	PART NUMBER
Replacement Capacitor - RS014	604.0400.0064
Replacement Capacitor - RS016	601.0800.0064

PART	PART NUMBER
Switch, 15 Amp Toggle	16400-3013
2-Gang Electrical Box	16400-3014
White Nylon 2-Gang Plate	16400-3015
8 Inch Powervent Chimney Collar	117-001
10 Inch Powervent Chimney Collar	117-002

17 - SERVICE & MAINTENANCE HISTORY

[illegible]

Hearth & Home Technologies LLC

LIMITED WARRANTY

Hearth & Home Technologies LLC ("HHT") extends the following warranty for HHT gas, wood, pellet and electric hearth appliances (each a "Product" and collectively, the "Product(s)") and certain component parts set forth in the table below ("Component Part(s)") that are purchased from a HHT authorized dealer or distributor.

WARRANTY COVERAGE:

HHT warrants that the Products and their Component Parts will be free from defects in materials and workmanship for the applicable period of Warranty coverage set forth in the table below ("Warranty Period"). If a Product or Component Parts are found to be defective in materials or workmanship during the applicable Warranty Period, HHT will, at our discretion, repair the applicable Component Part(s), replace the applicable Component Part(s), or refund the purchase price of the applicable Product(s). The maximum amount recoverable under this Warranty is limited to the purchase price of the Product. This Warranty is transferable from the original purchaser to subsequent owners, but the Warranty Period will not be extended in duration or expanded in coverage for any such transfer. This Warranty is subject to conditions, exclusions, and limitations as described below.

WARRANTY PERIOD:

Warranty coverage begins at the date of installation. In the case of new home constructions, Warranty coverage begins six months after invoice of the final sale of the Product(s) by an independent, authorized HHT dealer or distributor. However, the Warranty coverage shall commence no later than 24 months following the date of Product shipment from HHT, regardless of the installation or purchase date.

Warranty Period		HHT Manufactured Appliances and Venting				
Component Parts	Labor	Gas	Pellet	Wood	Electric	Component Parts Covered by this Warranty
1 Year		X	X	X		All parts including handles, external enameled components and other material except as covered by Warranty Conditions, Warranty Exclusions, and Warranty Limitations listed
2 Years					X	All parts except as covered by Warranty Conditions, Warranty Exclusions, and Warranty Limitations listed
			X	X		Glass, Electrical components limited to heating element/igniters, Top feed auger assembly, Blowers, Junction Box, Remotes/Wall switches, linear actuator, power cord, vacuum switch, snap disc, wire harnesses and thermocouple
		X				Electrical components limited to modules, remotes/wall switches, valves, pilots, blowers, junction boxes, wire harnesses, transformers and lights (excluding light bulbs)
		X		X		Cement Refractory Panels, Glass Liner Panels
3 years			X			Firepots, burnpots, Harman mechanical feeders
5 years		X		X		Catalysts, Vented and Vent Free burners and logs
10 years	1 year	X				Burners, logs and metal/fiber refractory components of HHT manufactured fireplaces or stoves, venting due to poor workmanship
10 years	3 years		X	X		Castings, Medallions & Baffles, FlexBurn® System (engine, inner cover, access cover and fireback), Firebox and heat exchanger, HHT Chimney & Terminations, Manifolds
20 years	3 years	X				Firebox and heat exchanger
All purchased replacement parts and optional accessories						
1 Year	None	X	X	X	X	All purchased replacement parts and optional accessories

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WARRANTY CONDITIONS:

- Because HHT cannot control the quality of any Products sold by unauthorized sellers, this Warranty only covers Products that are purchased through an HHT authorized dealer or distributor unless otherwise prohibited by law; a list of HHT authorized dealers is available on the HHT branded websites.
- This Warranty is only valid while the applicable Product remains at the site of original installation.
- This Warranty is only valid in the country in which the HHT authorized dealer or distributor that sold the applicable Product is authorized to sell applicable Product.
- Contact your installing distributor or dealer for Warranty service. If the installing dealer or distributor is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking Warranty service from a dealer other than the dealer from whom you originally purchased the applicable Product.
- No HHT consumer should bear cost of warranty service or costs incurred while servicing warranty claims (i.e., travel, gas, or mileage) when the service is performed within the terms of this Warranty. Check with your dealer or distributor in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this Warranty.

WARRANTY EXCLUSIONS:

This Warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under the Warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the Warranty Period are not covered. These parts include: paint, wood and pellet gaskets, firebricks, wood grates, flame guides, batteries and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this Warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the applicable Product in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the applicable Product; (2) failure to install the applicable Product in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs; (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operation instructions; (7) installation or use of components not supplied with the applicable Product or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the applicable Product.
- Non-HHT venting components, hearth connections or other accessories used in conjunction with the applicable Product.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas applicable Product is installed.
- HHT's obligation under this Warranty does not extend to the Product's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper Product for the application. Consideration must be given to the Product location and configuration, environmental conditions, insulation and air tightness of the structure.

This warranty is void if:

- The applicable Product has been over-fired, operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, deformation/warping of interior cast iron structure or components, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The applicable Product is subjected to prolonged periods of dampness or condensation.
- There is any damage to the applicable Product due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

LIMITATIONS OF REMEDIES AND LIABILITY:

- **EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. The owner's exclusive remedy and HHT's sole obligation under this Warranty or in contract, tort or otherwise, shall be limited to, at HHT's sole option, replacement of the Component Part(s), repair of the Component Part(s), or refund of the original purchase price of the applicable Product(s). In no event will HHT be liable for any incidental or consequential damages caused by defects in the applicable Product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from State to State. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE FOR THE APPLICABLE PRODUCT. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.**