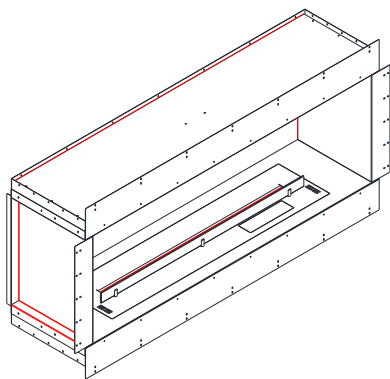
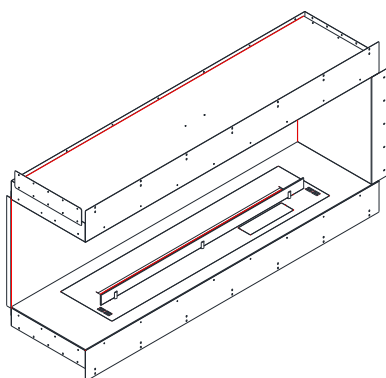


CLEARANCES AND INSTALLATION MANUAL

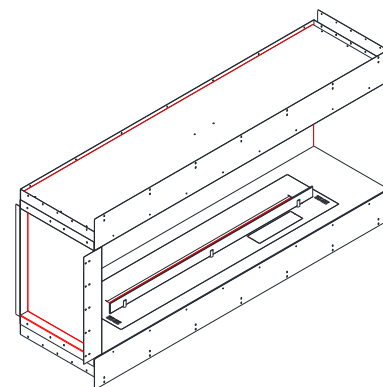
Please read these instructions completely before installing or operating the Forma Fireplaces



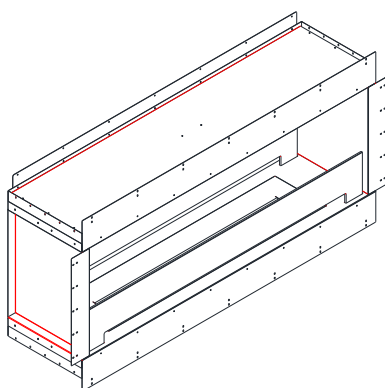
Single Side



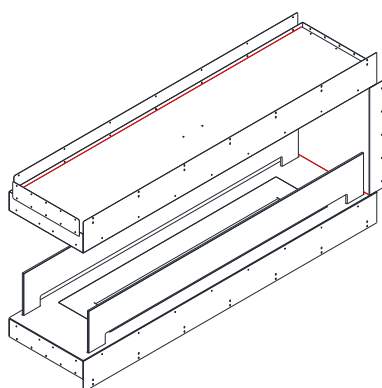
Left Corner



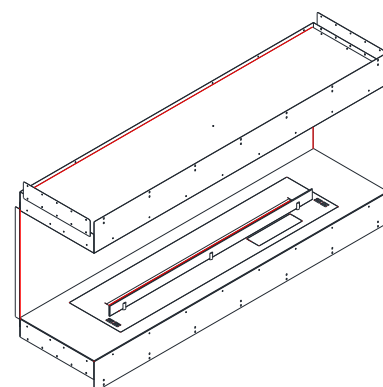
Right Corner



Double Sided



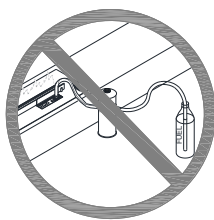
Peninsula



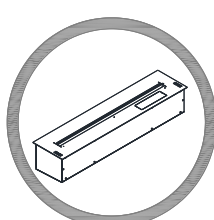
Bay

Warnings:

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.



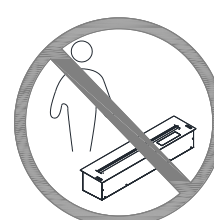
Do not fill while operating



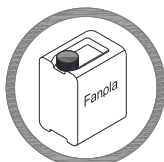
Use Planika burners only



Flammable



Keep away from children



FANOLA Bioethanol is the ONLY fuel to be used in this appliance.

Do not use gel, thick and viscous fuels or fuels of improper electric conductivity. The values must be compliant with those of FANOLA®. Other fuels, such as dehydrated ethanol (i.e. consisting of more than 96.6% by volume ethanol) will cause a device error and loss of the product warranty. Fuels consisting of 100% by volume ethanol will damage the device. Use only fuels consisting of 86-96.6% ethanol by volume. FANOLA Bioethanol fuel is the only recommended fuel.

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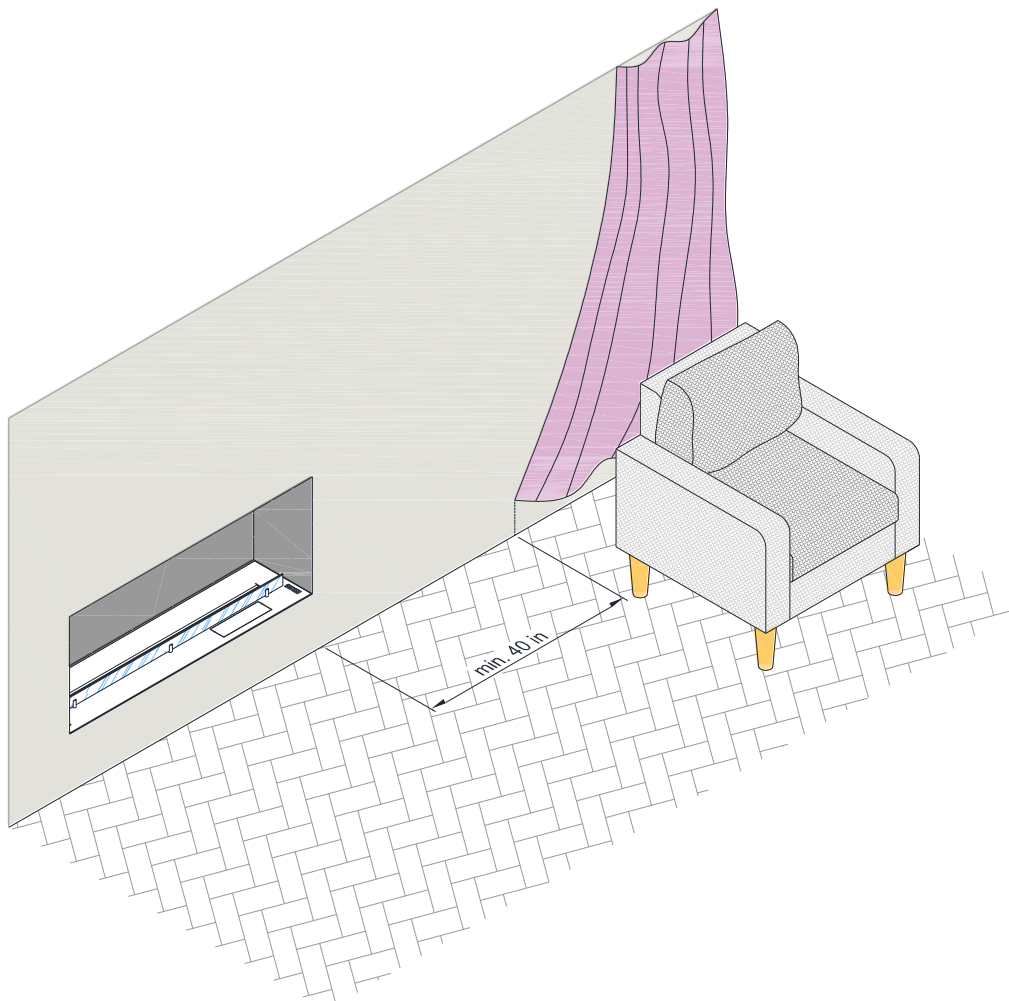


1. APPLIANCE CLEARANCES

1.1 Selecting appliance location

- The appliance is zero clearance and has the necessary clearances to combustible frame components already built-in. They are engineered specifically to accept compatible Planika Fire Burners.
- For indoor use and in housing only. Min. temperature of use is 50°F.
- No heat-sensitive and flammable objects can be placed within a 40 inch radius from and directly above the device.
- Do not place any objects on the top of the device.
- For service purposes, the surrounding must allow for easy removal of the device.
- When selecting a location for the appliance it is important to consider the required minimum room sizes and clearances to walls and combustibles materials (see image below and Minimum Room Size table). Room air exchange rate – min. 1/h.
- Keep children, animals and unauthorized persons at a safe distance at all times and never leave them unsupervised when the appliance is on or hot.
- Do not use the device in humid and drafty spaces.
- Do not cover top ventilation openings of the device.

WARNING: Risk of Fire or Burns! Provide adequate clearance around air openings and for service access. Observe the clearances to combustibles recommended in this manual and the burner manual. Ensure that your fire is positioned away from flammable materials and other sources of ignition at all times. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies. Pay very close attention to positioning the fire away from items that may move as a result of wind and drafts. For example curtains and the like.



1.2 Minimum room sizes

Appliance	Burner	Min. room Size	BTU / h
Single-sided Forma 48"	FLA3+ 39"	2966 cubic feet	27686
Left corner Forma 48"			
Right corner Forma 48"			
Bay Forma 48"			
Peninsula Forma 48"			
Double-sided Forma 48"			
Single-sided Forma 60"	FLA3+ 47"	3991 cubic feet	38334
Left corner Forma 60"			
Right corner Forma 60"			
Bay Forma 60"			
Peninsula Forma 60"			
Double-sided Forma 60"			
Single-sided Forma 72"	FLA3+ 59"	5297 cubic feet	51113
Left corner Forma 72"			
Right corner Forma 72"			
Bay Forma 72"			
Peninsula Forma 72"			
Double-sided Forma 72"			

NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE. This appliance is tested and approved as either a supplemental room heat or as a decorative appliances. It should not be factored as primary heat in residential heating calculations.

2. APPLIANCE INSTALLATION

The appliance must be fully assembled into a fixed secure position before being operated.

NOTICE: DO NOT INSTALL DIRECTLY BESIDE OR NEAR WALLPAPER, LAMINATE, VENEER OR ANY SURFACE THAT IS NOT DESIGNED TO WITHSTAND HEAT AND HIGH TEMPERATURES (the heat will impact the material, and in some circumstances the glue used for its application). THE AREA AROUND THE APPLIANCE GETS HOT. HEAT SENSITIVE/REACTIVE MATERIALS SHOULD NOT BE USED. DO NOT PLACE FLAMMABLE OBJECTS ON OR AROUND THE DEVICE.

- These appliances are not designed to incorporate doors or opening covers.
- The appliance must remain open at all times for ventilation – it is not designed to operate as an oven or similar “hot box” – the flame must have a constant supply of air to operate and be able to circulate and distribute the heat effectively
- Do not modify the appliance in any way during installation. Cutting of sheet metal parts of the appliance is prohibited.
- Expansion and contraction of internal parts due to heating and cooling off may create noise. This is normal.

2.1 Framing

- The appliance must be installed on a level surface capable of supporting the appliance, burner and full fuel capacity.
- The framing dimensions shown in the instructions are the optimum dimensions that allow best fit with gyprock / sheetrock / plasterboard (or other facing/finishing material) after the appliance has been installed.

IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

IMPORTANT: Minimum space from bottom -1 inch. Burner cannot stand on floor or any other surface !

2.2 Definitions

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

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

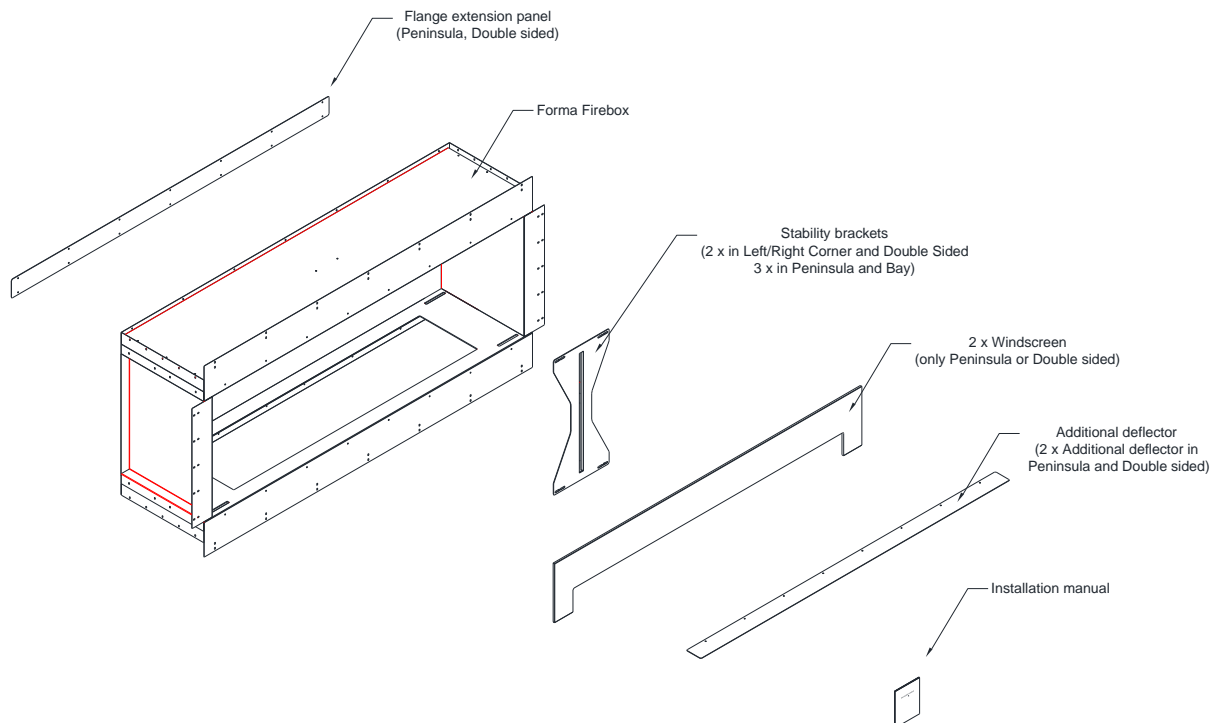
NOTE: Illustrations reflect typical installations and are for **DESIGN PURPOSES ONLY**. Illustrations/diagrams are not drawn to scale. Actual installation may vary due to individual design preferences.

2.3 Before getting started

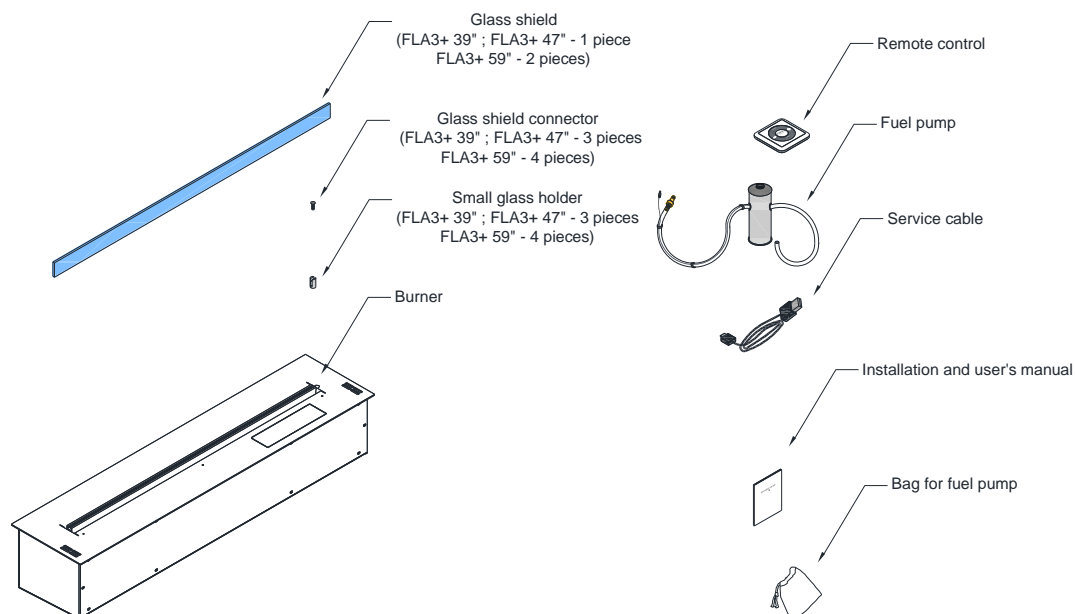
- Prepare equipment: Power drill, screws, screwdriver, level
- Carefully remove the appliance and components from the packaging
- Inspect and report any parts damaged in shipment,
- Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.

WARNING: Risk of fire or explosion! Damaged parts could impair safe operation. Do not install damaged, incomplete or substitute components.

Firebox



Burner



3. BUILT- IN INSTALLATION

3.1 Single Sided Installation

Construct the main wall framework with the opening size shown in Table A.

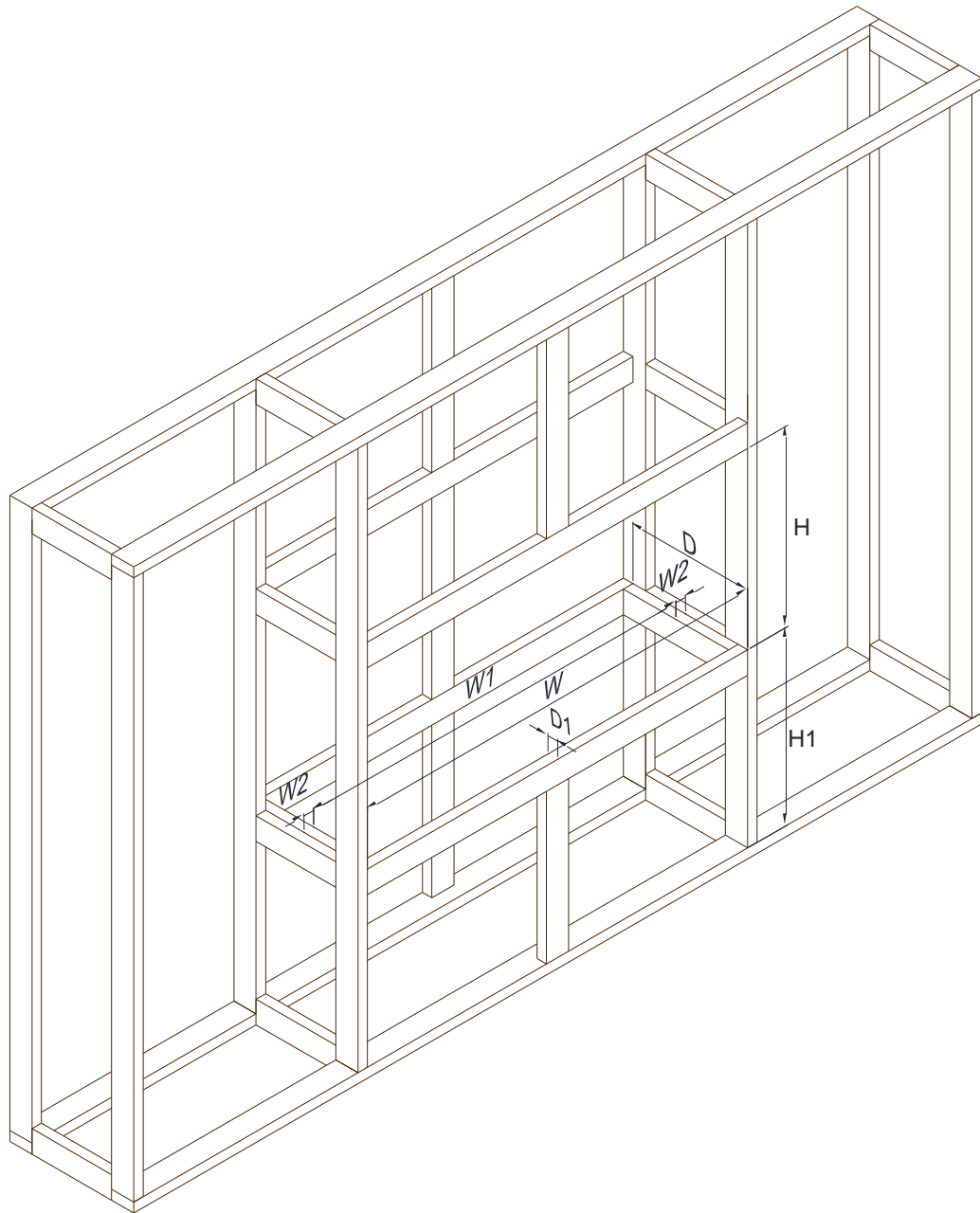
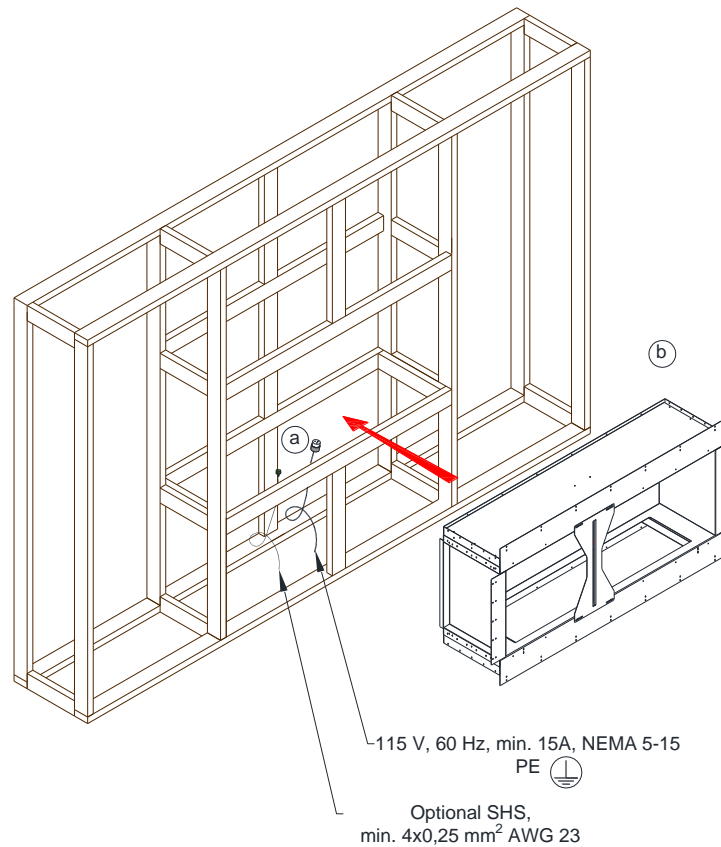


Table A.

Framework opening size							
Appliance	W	W1 min	W2 max	D	D1 max	H	H1 min
	[in]	[in]	[in]	[in]	[in]	[in]	[in]
Single-sided Forma 48"	52	40	6	17 1/4	2	28	9 1/2
Single-sided Forma 60"	64	48	8				
Single-sided Forma 72"	76	60	8				

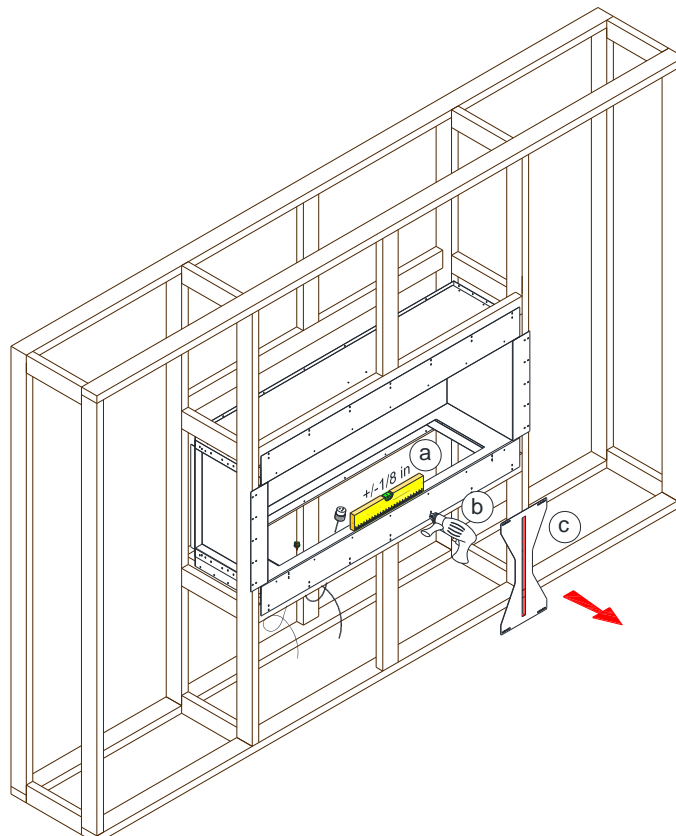
3.1 Single Sided Installation



a) Provide electricity connection with 115 V, 60 Hz, min. 15A, NEMA 5-15 and optional SHS cables with min. 4x0,25 mm²/ AWG 23 inside the cavity.

b) Slide the appliance inside the framing cavity. The appliance is shipped with stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimizing movement of the appliance.

The space inside the housing cannot be connected to any ventilation !



a) Make sure that the appliance is level before securing it in place.

b) Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges.

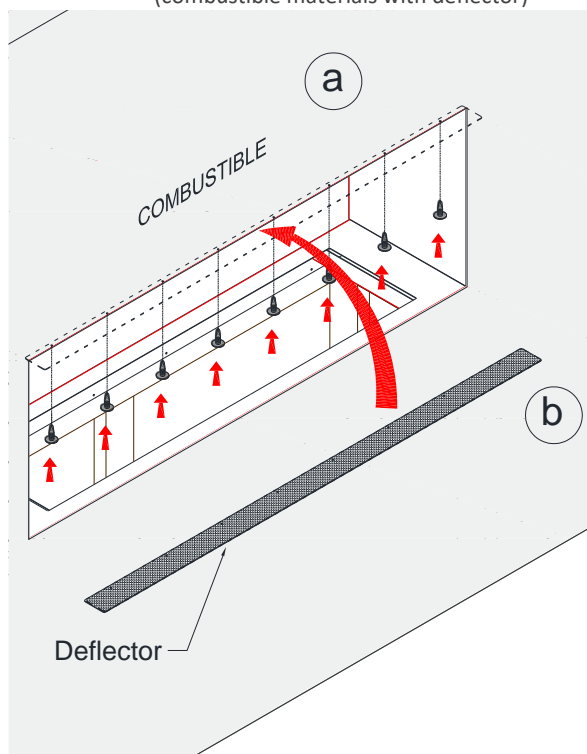
c) Remove the stability brackets

3.1 Single Sided Installation

Option A

Standard solution

(combustible materials with deflector)

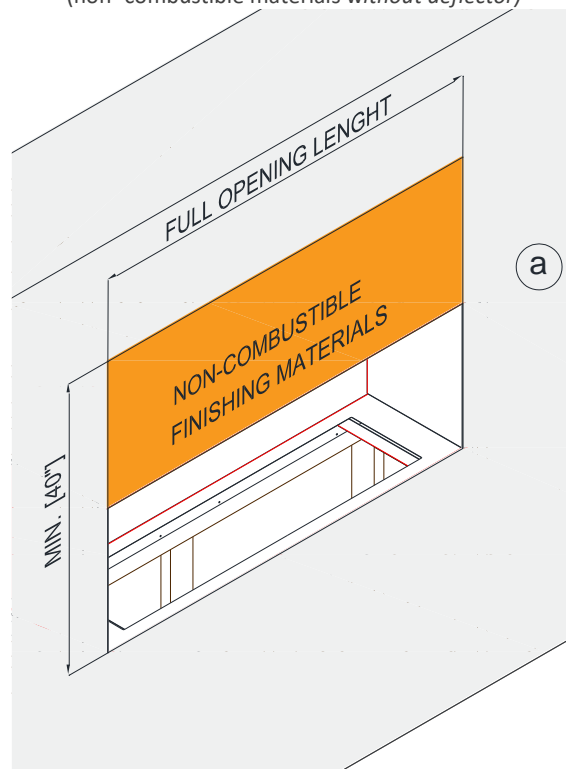


- a) Complete the construction by finishing the wall paneling around the appliance
- b) **Install deflector** with screws using the existing mounting holes on ceiling of the fireplace.

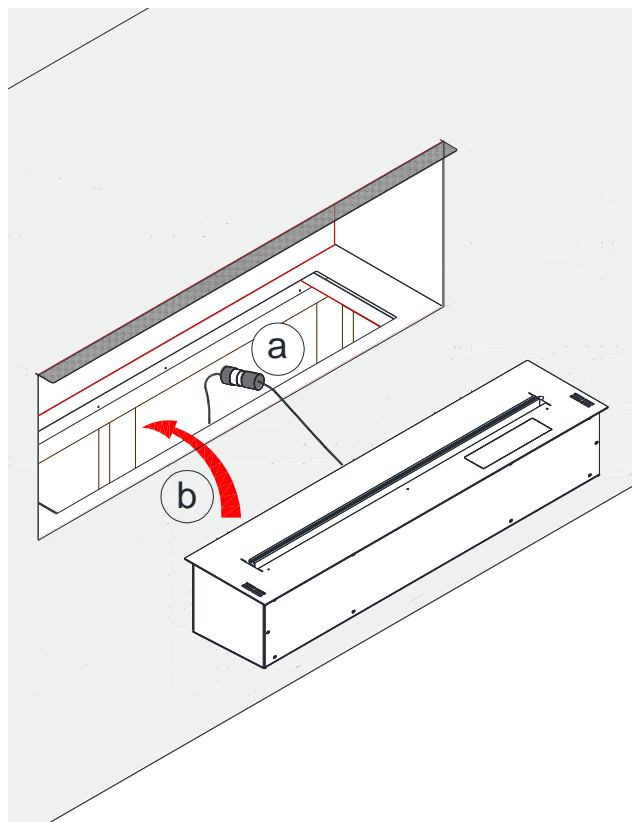
Option B

Alternative solution

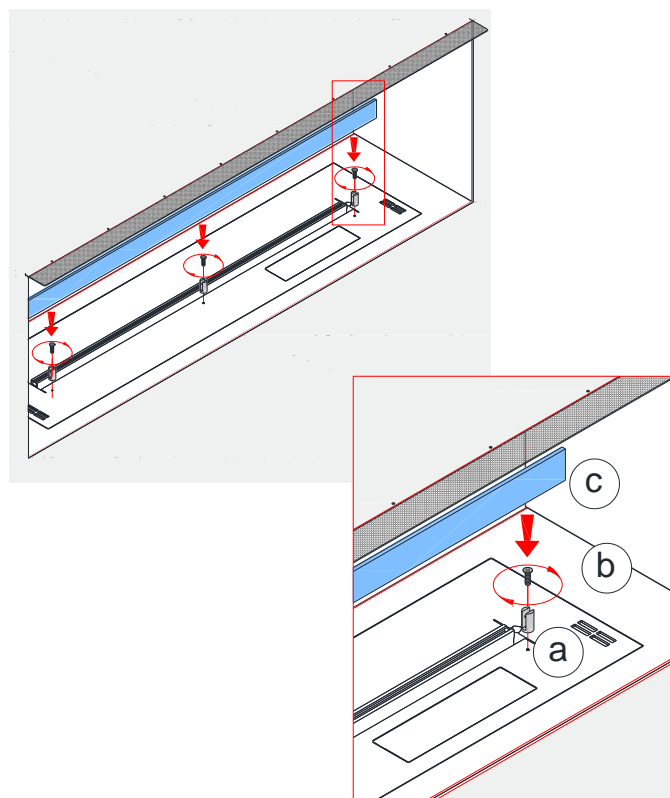
(non- combustible materials without deflector)



- a) Complete the construction by finishing the wall paneling around the appliance with non-flammable materials as on drawing



- a) Connect to the mains
- b) Place the burner into position



- a) Align the small holder with the holes on the burner top
- b) Screw it into place using the included screws
- c) Place the glass shield into holders

3.2 Left/Right Corner Installation

Construct the main wall framework with the opening size shown in Table B.

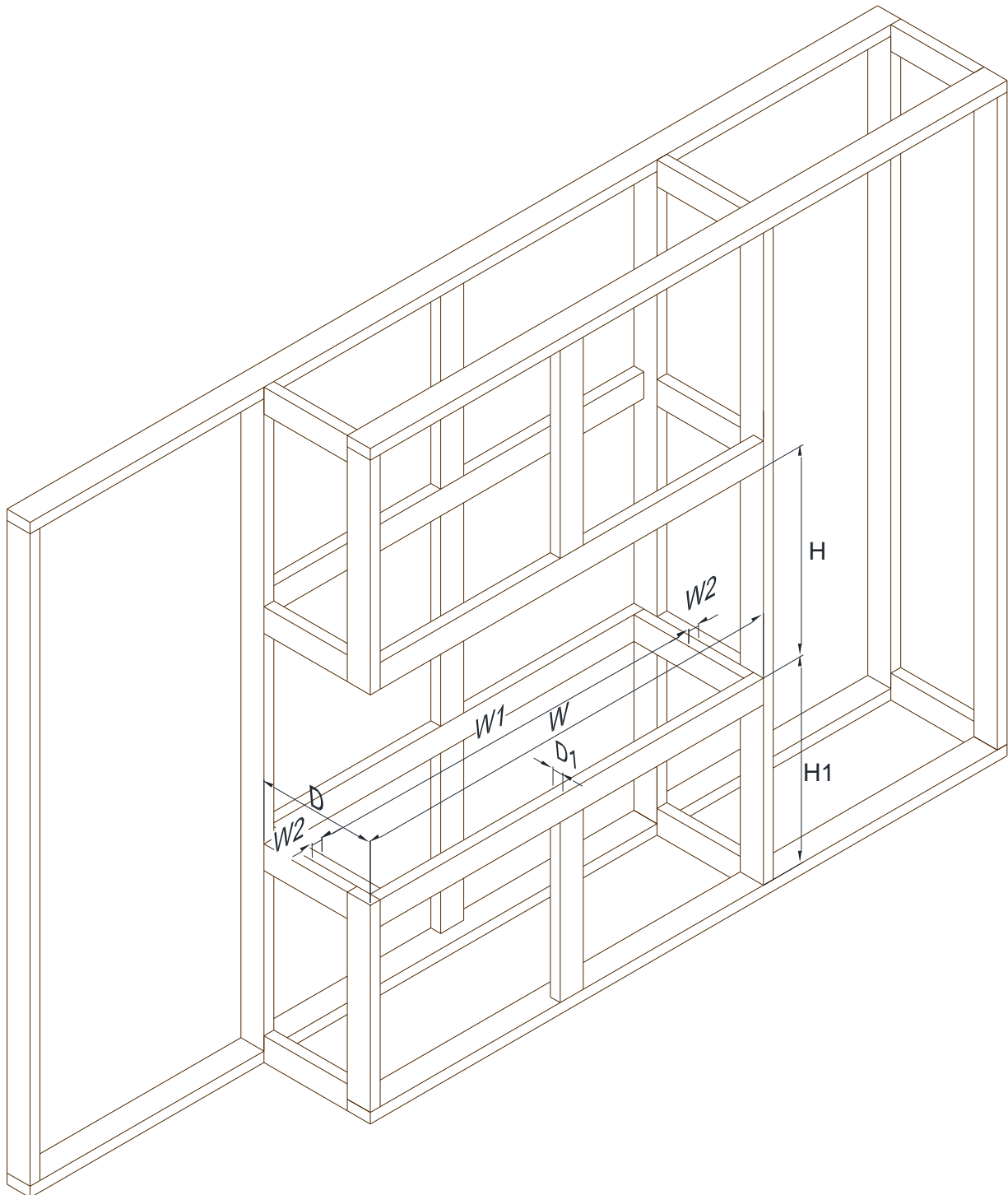
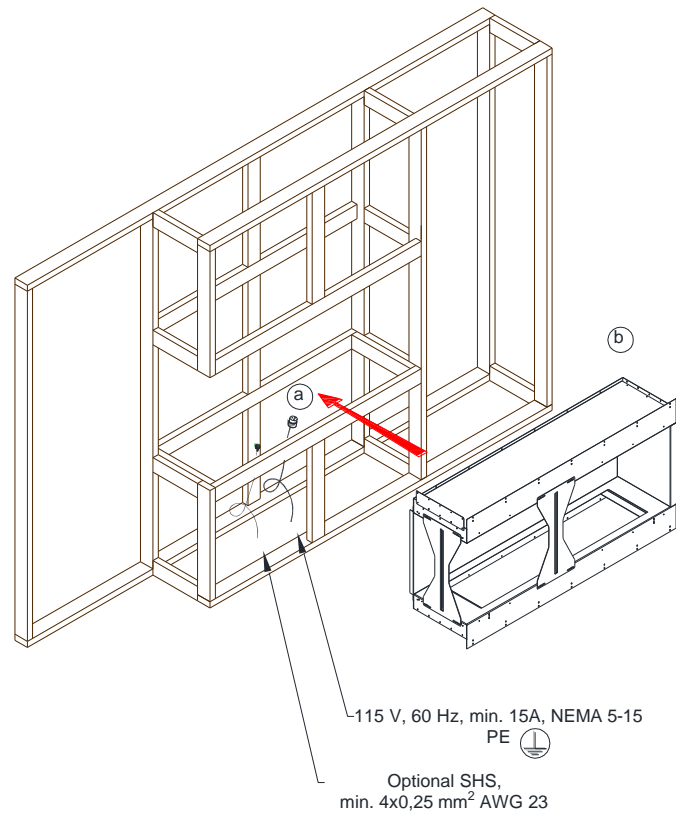


Table B

Framework opening sizes							
Appliance	W	W1 min	W2 max	D	D1 max	H	H1 min
	[in]	[in]	[in]	[in]	[in]	[in]	[in]
Left & Right corner Forma 48"	52	40	6	17 1/4	2	28	9 1/2
Left & Right corner Forma 60"	64	48	8				
Left & Right corner Forma 72"	76	60	8				

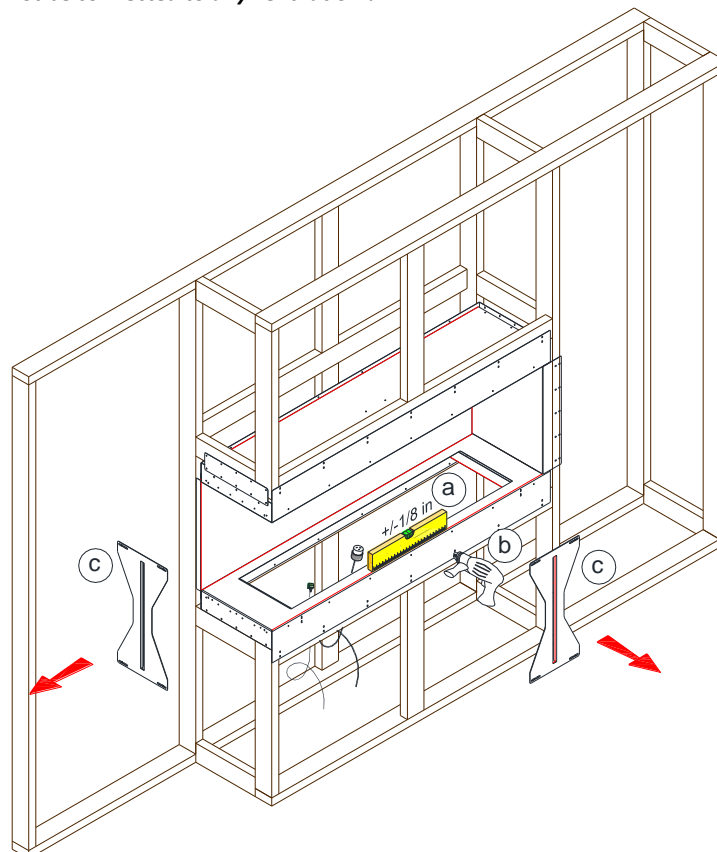
3.2 Left/Right Corner Installation



a) Provide electricity connection with 115 V, 60 Hz, min. 15A, NEMA 5-15 and optional SHS cables with min. 4x0,25 mm²/ AWG 23 inside the cavity.

b) Slide the appliance inside the framing cavity. The appliance is shipped with stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimizing movement of the appliance.

The space inside the housing cannot be connected to any ventilation !



a) Make sure that the appliance is level before securing it in place.

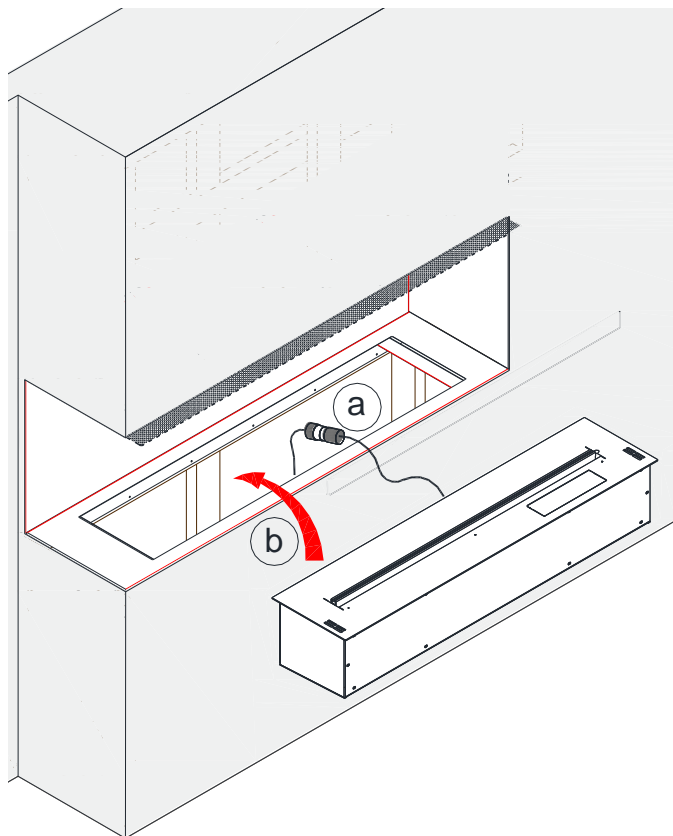
b) Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges.

c) Remove the stability brackets

Option A
Standard solution

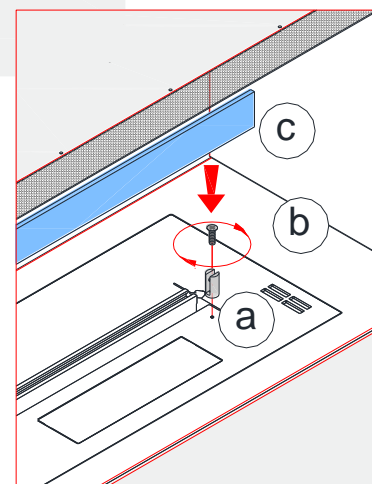
A schematic diagram of a combustor. A rectangular channel is shown in perspective. The top surface of the channel is labeled "COMBUSTIBLE". Inside the channel, there are several vertical pins or tubes. Red arrows point upwards from the bottom of the channel, indicating the flow of gas or heat. A large red curved arrow points from the right side of the channel towards the left, indicating the direction of flow. Below the channel, a horizontal bar is labeled "Deflector". The diagram is labeled with "a" in a circle at the top right and "b" in a circle at the bottom right.

b) **Install deflector** with screws using the existing mounting holes on the ceiling of the fireplace.



Option B

Diagram (a) illustrates a cross-section of a window opening. The opening is labeled "NON-COMBUSTIBLE FINISHING MATERIALS". The height of the opening is indicated as "MIN. 1400". The length of the opening is labeled "FULL OPENING LENGTH".



11

3.3 Bay Installation

Construct the main wall framework with the opening size shown in Table C.

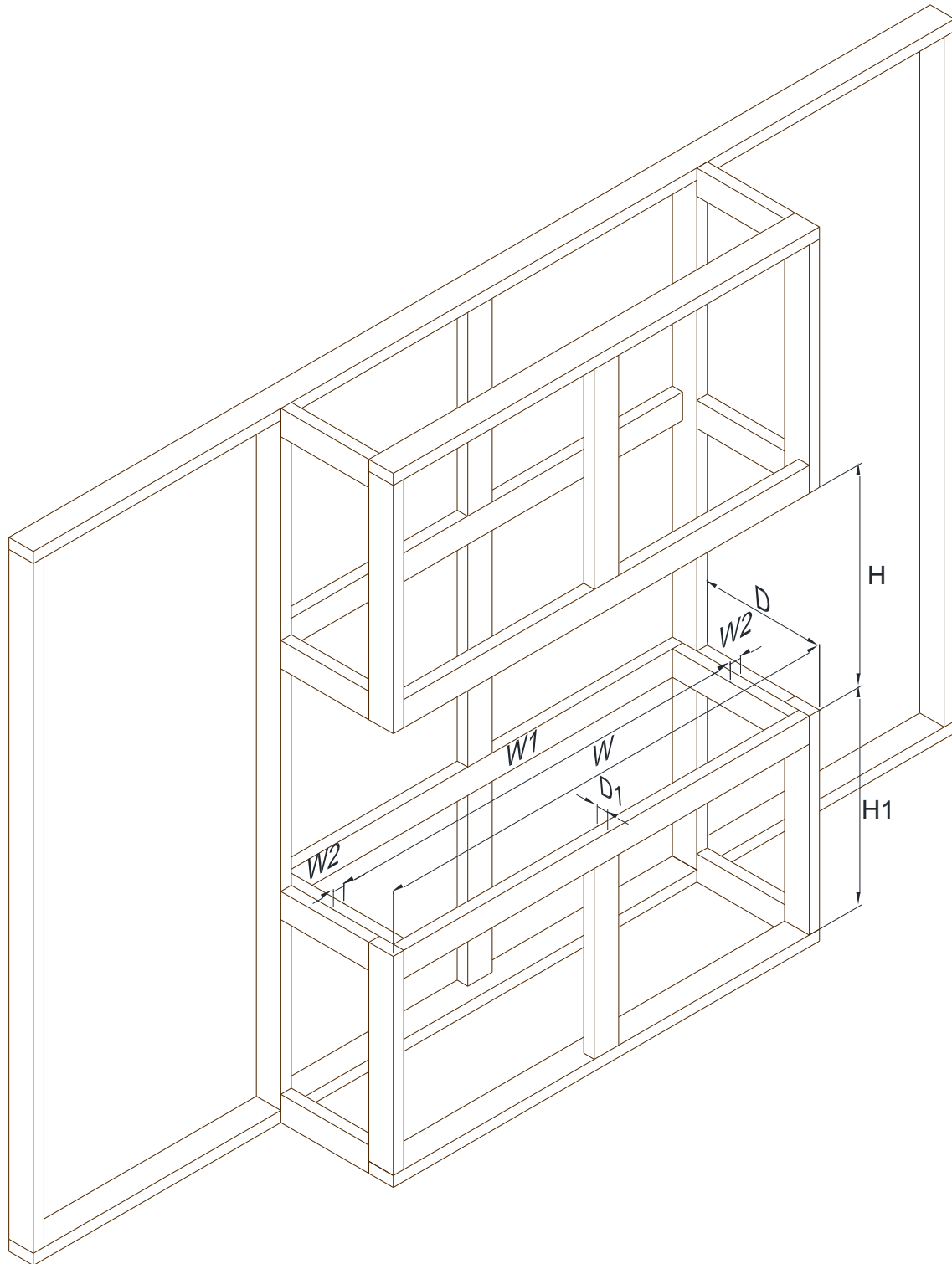
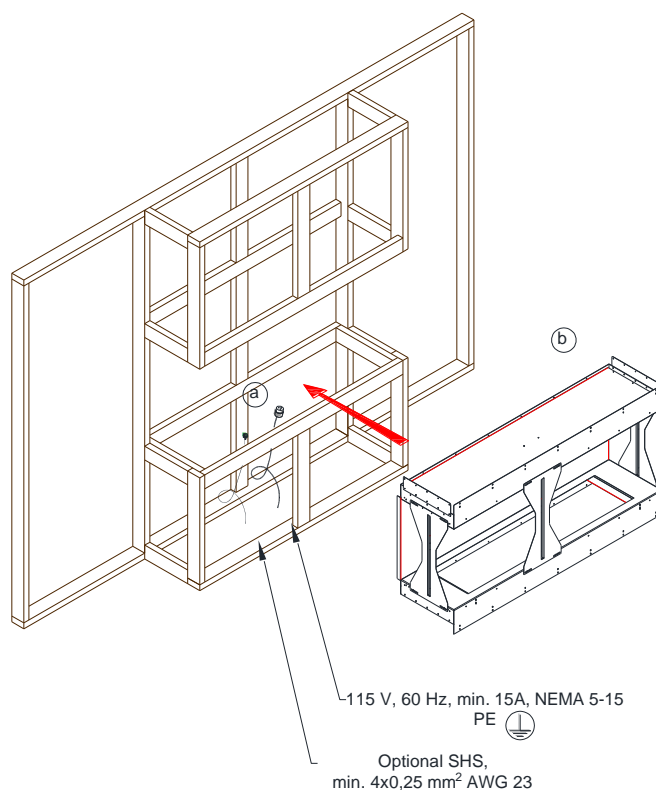


Table C

Framework opening sizes							
Appliance	W [in]	W1 min [in]	W2 max [in]	D [in]	D1 max [in]	H [in]	H1 min [in]
Bay Forma 48"	51 1/4	40	6	17 1/4	2	28	9 1/2
Bay Forma 60"	63 1/4	48	8				
Bay Forma 72"	75 1/4	60	8				

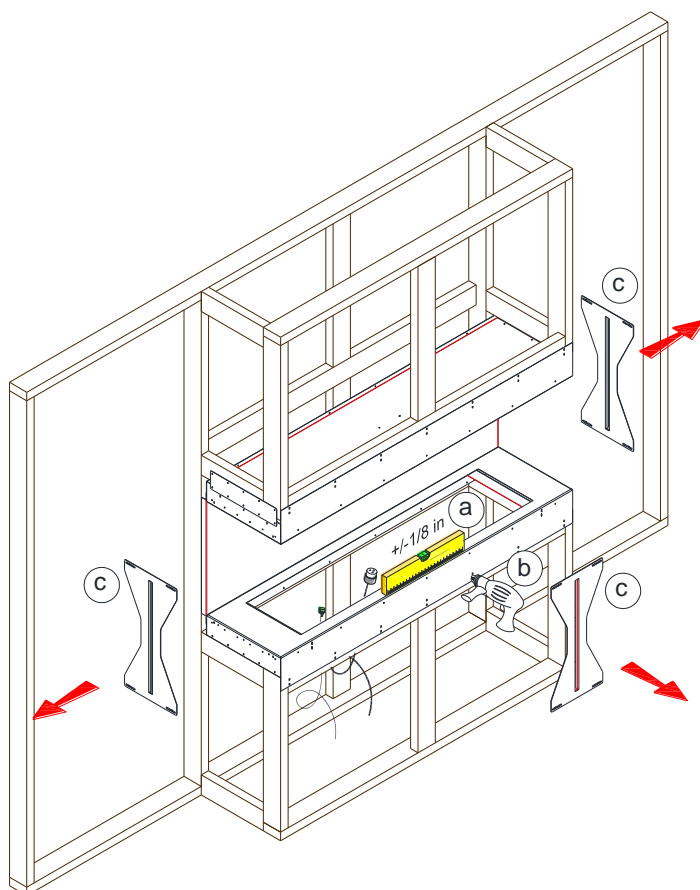
3.3 Bay Installation



a) Provide electricity connection with 115 V, 60 Hz, min. 15A, NEMA 5-15 and optional SHS cables with min. 4x0,25 mm²/ AWG 23 inside the cavity.

b) Slide the appliance inside the framing cavity. The appliance is shipped with stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimizing movement of the appliance.

The space inside the housing cannot be connected to any ventilation !



a) Make sure that the appliance is level before securing it in place.

b) Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges.

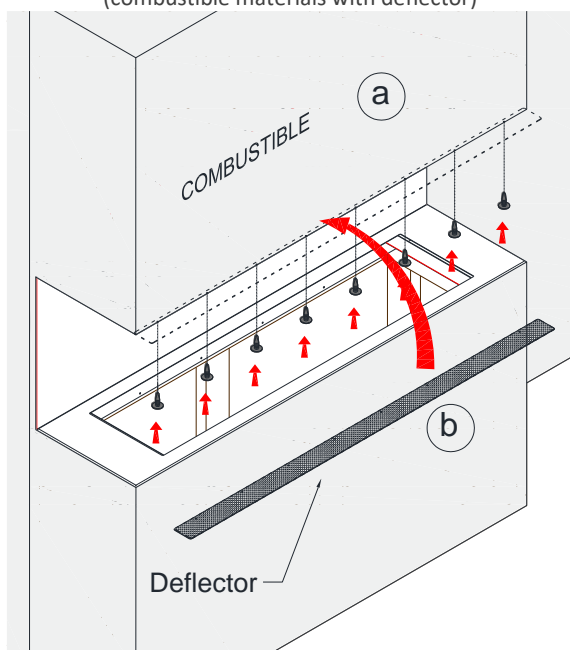
c) Remove the stability brackets.

3.3 Bay Installation

Option A

Standard solution

(combustible materials with deflector)

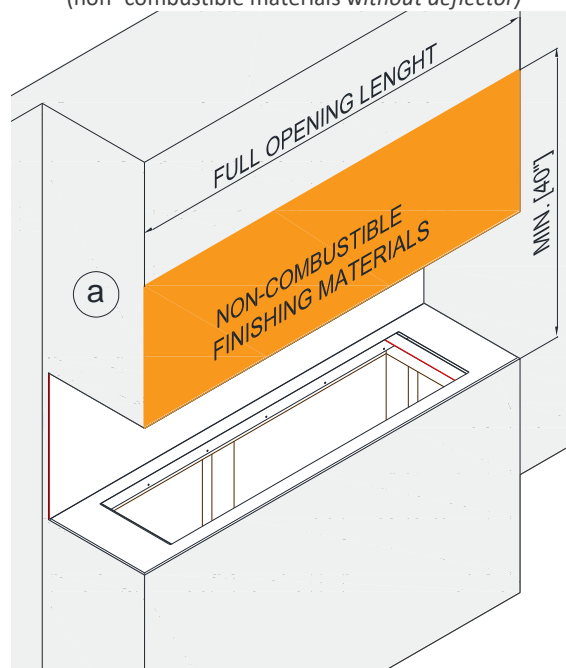


- a) Complete the construction by finishing the wall paneling around the appliance
- b) **Install deflector** with screws using the existing mounting holes on the ceiling of the fireplace.

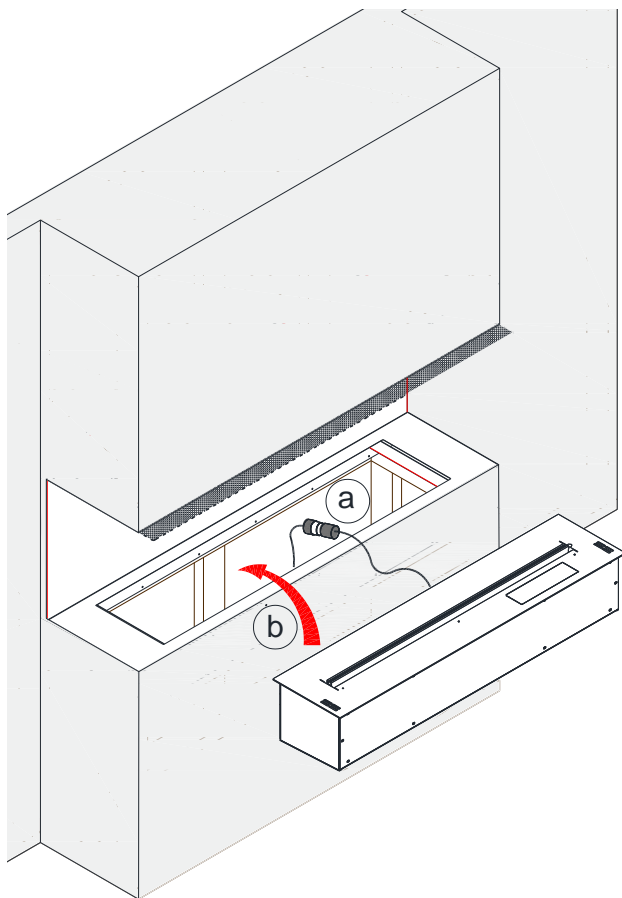
Option B

Alternative solution

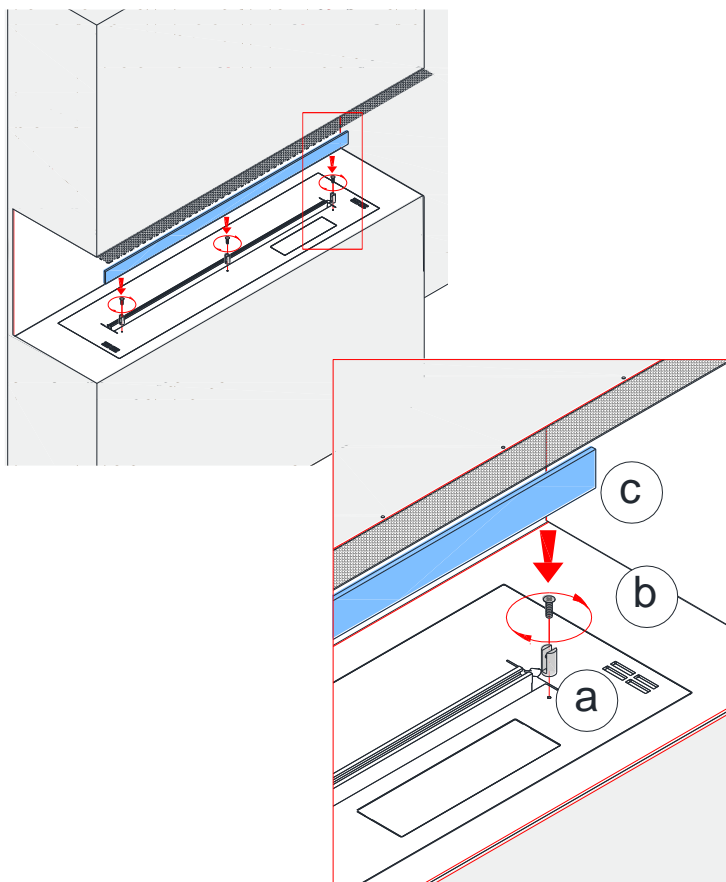
(non- combustible materials without deflector)



- a) Complete the construction by finishing the wall paneling around the appliance with non-flammable materials as on drawing



- a) Connect to the mains
- b) Place the burner into position



- a) Align the small holder with the holes on the burner top
- b) Screw it into place using the included screws
- c) Place the glass shield into holders

3.4 Double Sided Installation

Construct the main wall framework with the opening size shown in Table D.

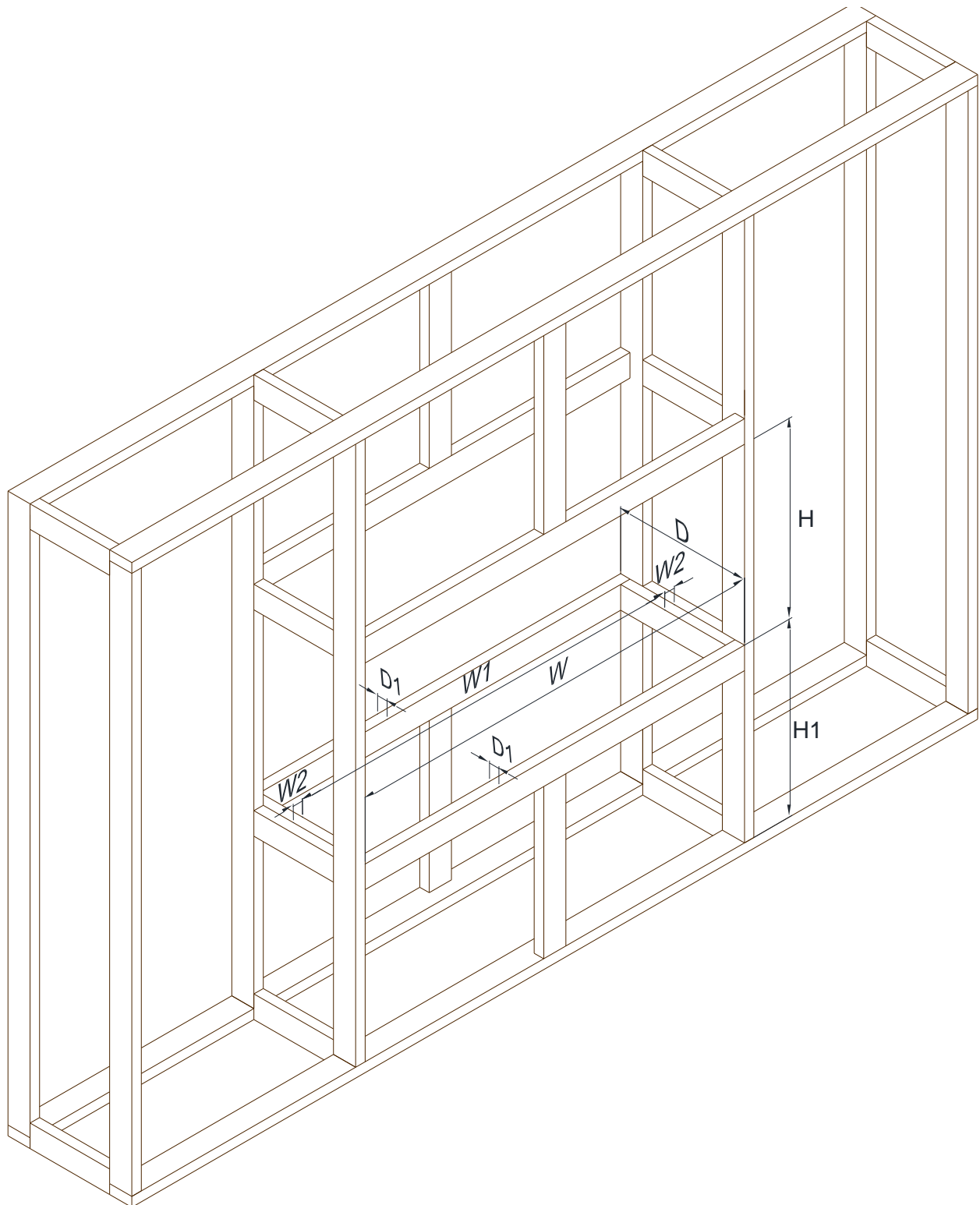
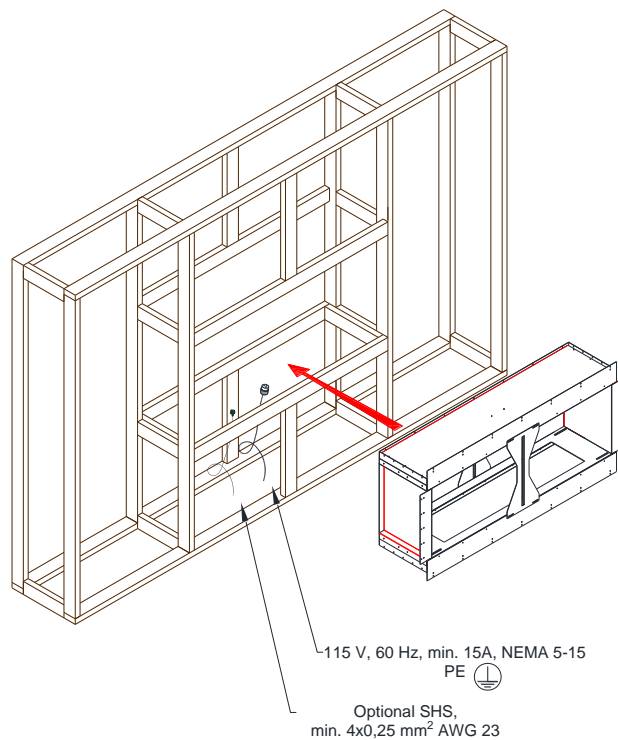


Table D

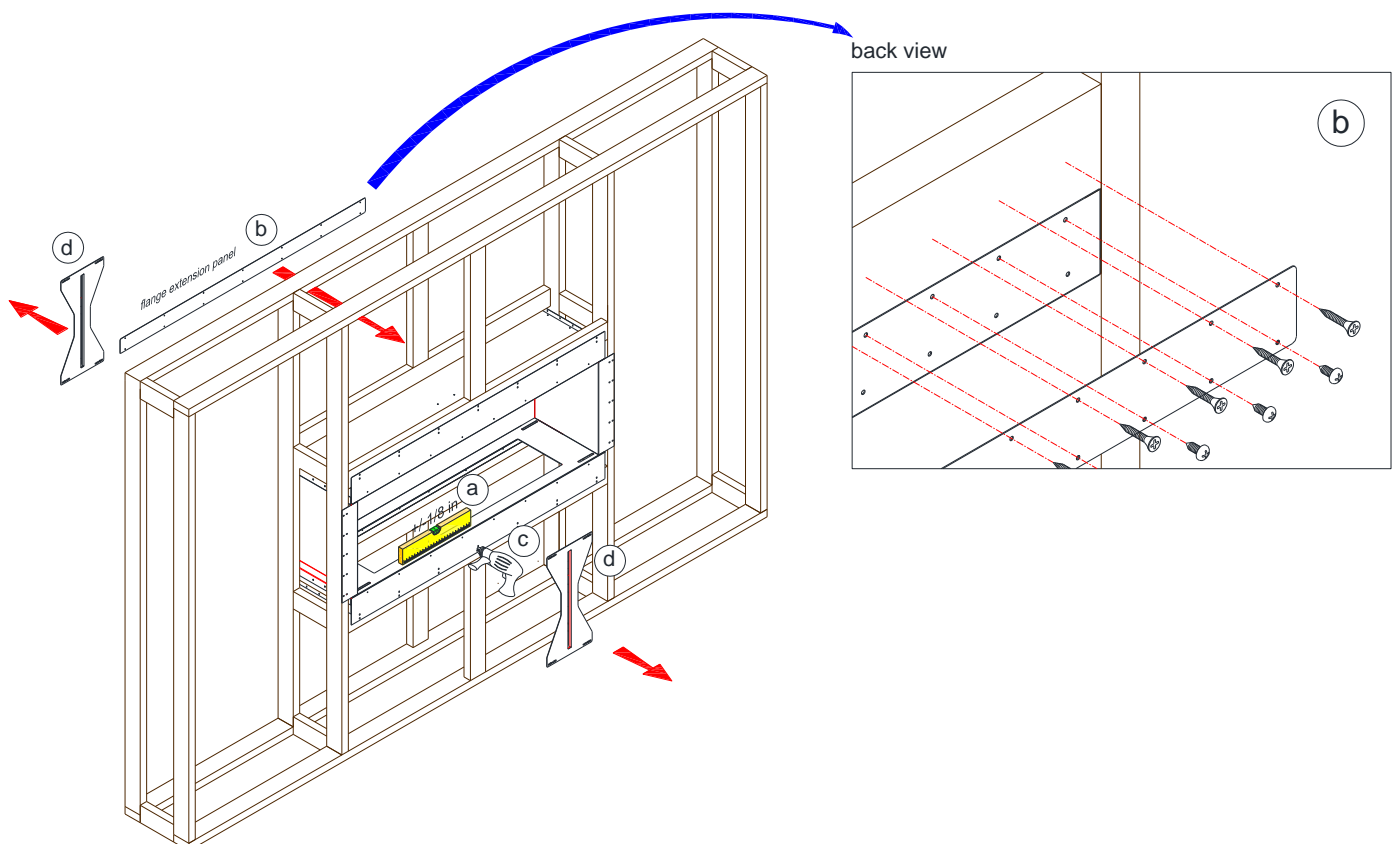
Framework opening sizes							
Appliance	W	W1 min	W2 max	D	D1 max	H	H1 min
	[in]	[in]	[in]	[in]	[in]	[in]	[in]
Double-sided Forma 48"	52	40	6	16	2	28	9 1/2
Double-sided Forma 60"	64	48	8				
Double-sided Forma 72"	76	60	8				

3.4 Double Sided Installation



- Provide electricity connection with 115 V, 60 Hz, min. 15A, NEMA 5-15 and optional SHS cables with min. 4x0,25 mm²/ AWG 23 inside the cavity.
- Slide the appliance inside the framing cavity. The appliance is shipped with stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimizing movement of the appliance.

The space inside the housing cannot be connected to any ventilation !



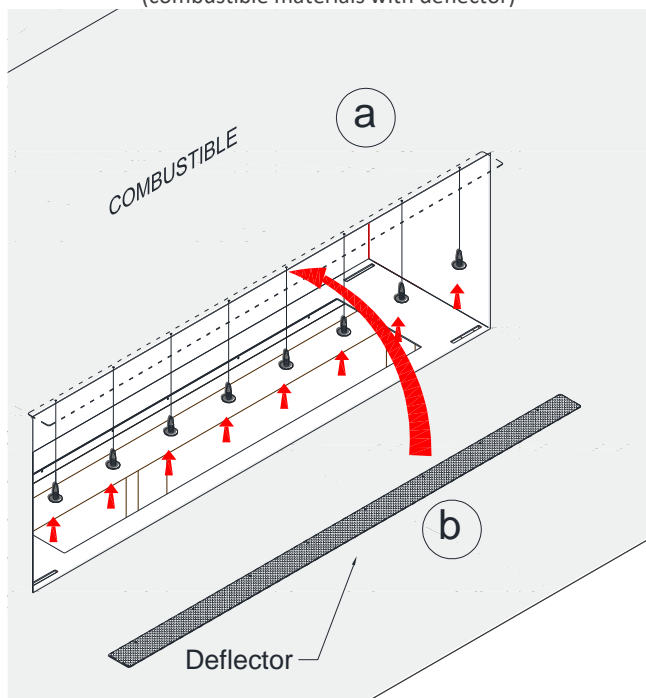
- Make sure that the appliance is level before securing it in place.
- Align the flange extension panel with the threaded holes on the appliance. Screw it into place using the included screws (bottom row onto appliance, top row onto framing material) to secure it into position.
- Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges.
- Remove the stability brackets.

3.4 Double Sided Installation

Option A

Standard solution

(combustible materials with deflector)



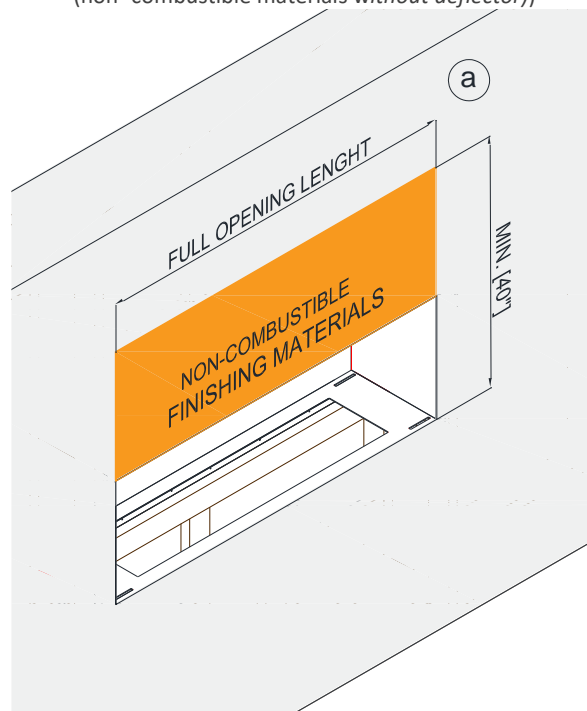
a) Complete the construction by finishing the wall paneling around the appliance

b) **Install deflector** with screws using the existing mounting holes on the ceiling of the fireplace.

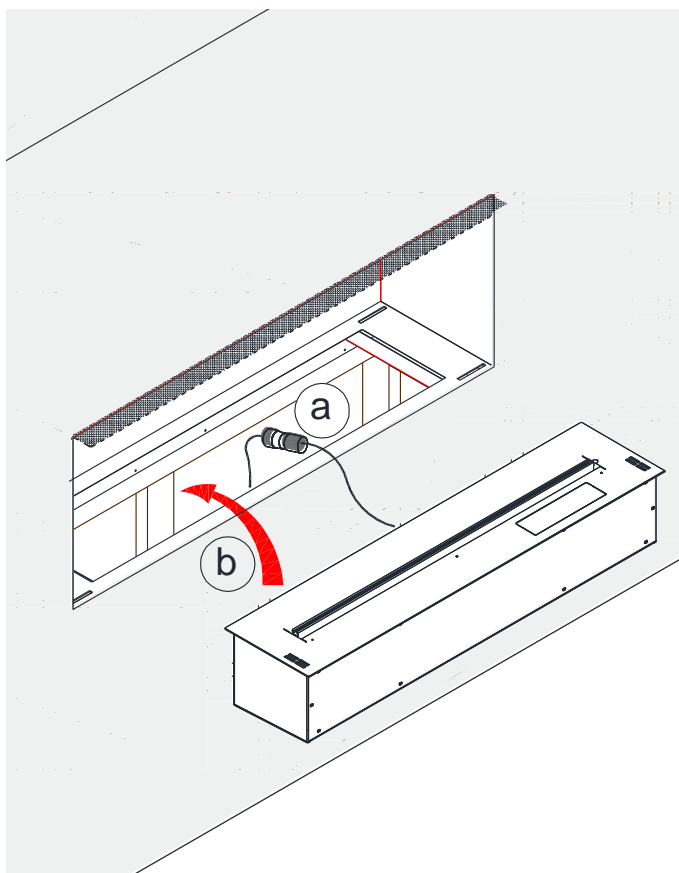
Option B

Alternative solution

(non- combustible materials without deflector)

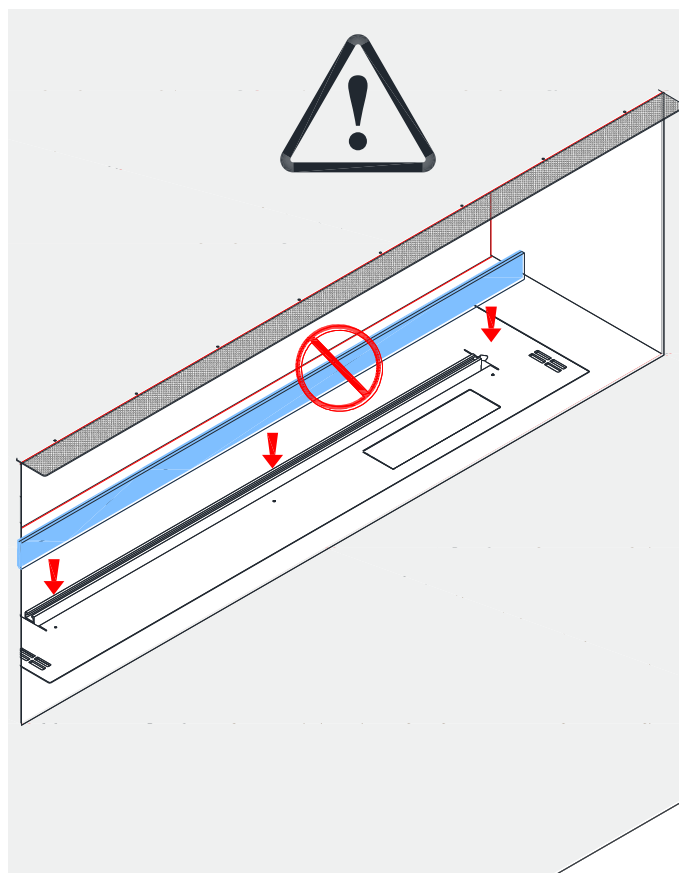


a) Complete the construction by finishing the wall paneling around the appliance with non-flammable materials as on drawing on both sides



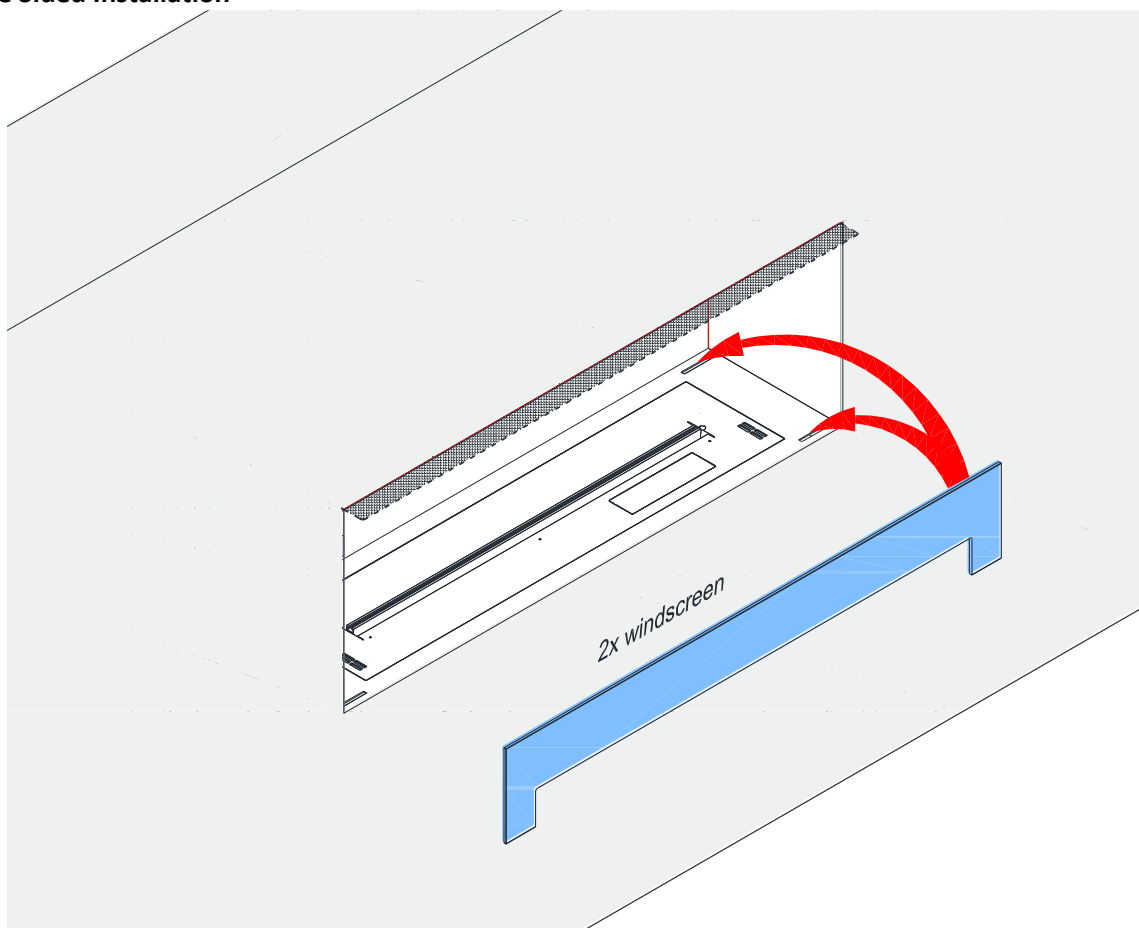
a) Connect to the mains

b) Place the burner into position



Do not install the burner's glass shield included with the burner

3.4 Double Sided Installation



Install the windscreen by inserting the two ends into appropriate slots in the appliance. Repeat the same for the back side windscreen.

3.5 Peninsula Installation

Construct the main wall framework with the opening size shown in Table E.

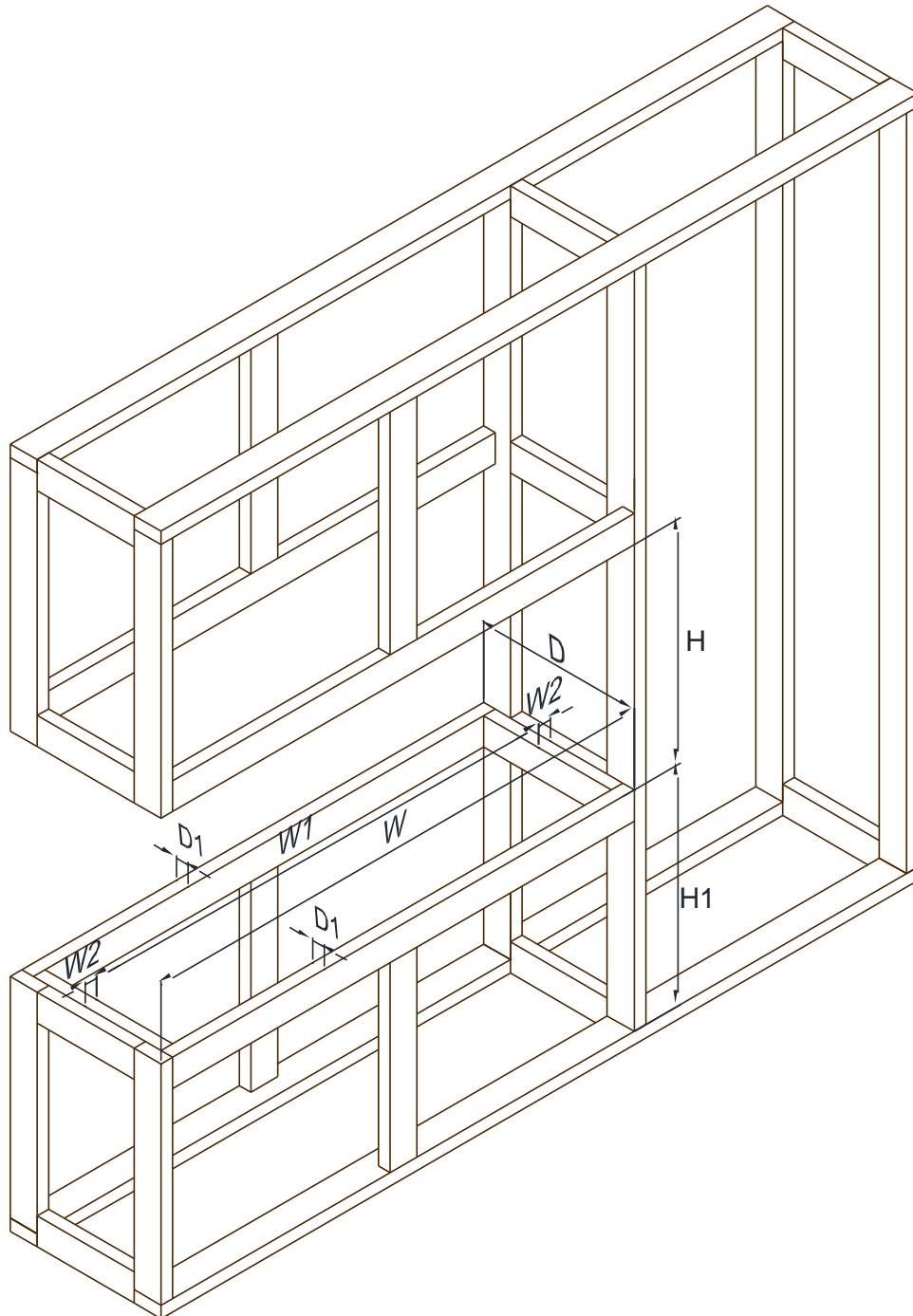
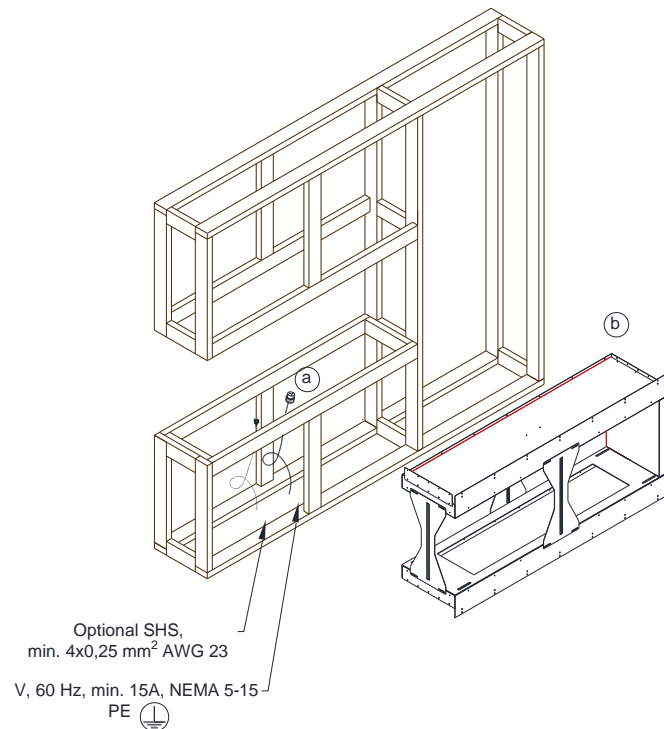


Table E

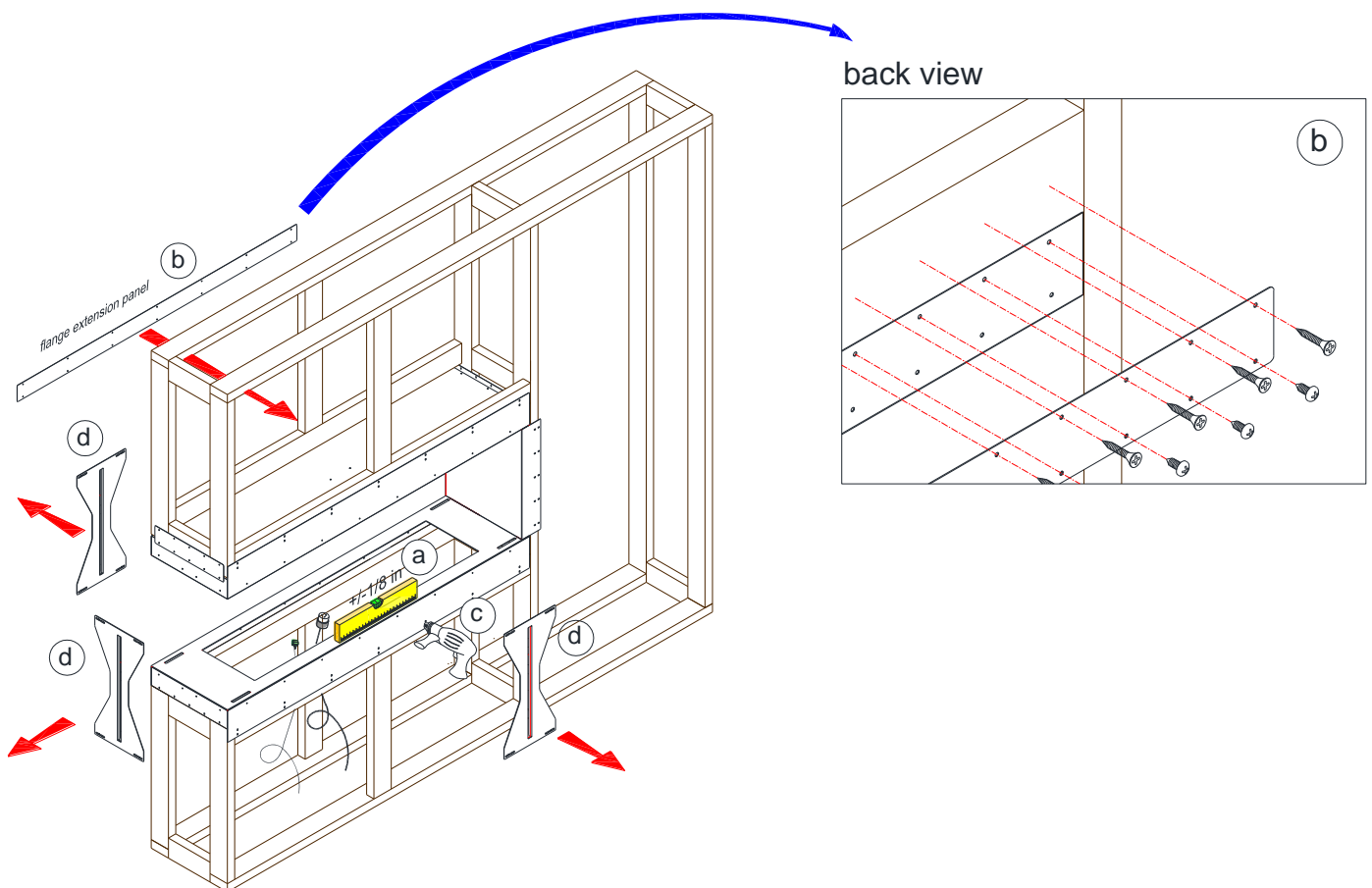
Framework opening sizes							
Appliance	W	W1 min	W2 max	D	D1 max	H	H1 min
	[in]	[in]	[in]	[in]	[in]	[in]	[in]
Peninsula Forma 48"	52	40	6	16	2	28	9 1/2
Peninsula Forma 60"	64	48	8				
Peninsula Forma 72"	76	60	8				

3.5 Peninsula Installation



- a) Provide electricity connection with 115 V, 60 Hz, min. 15A, NEMA 5-15 and optional SHS cables with min. 4x0,25 mm²/ AWG 23 inside the cavity.
- b) Slide the appliance inside the framing cavity. The appliance is shipped with stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimizing movement of the appliance.

The space inside the housing cannot be connected to any ventilation !



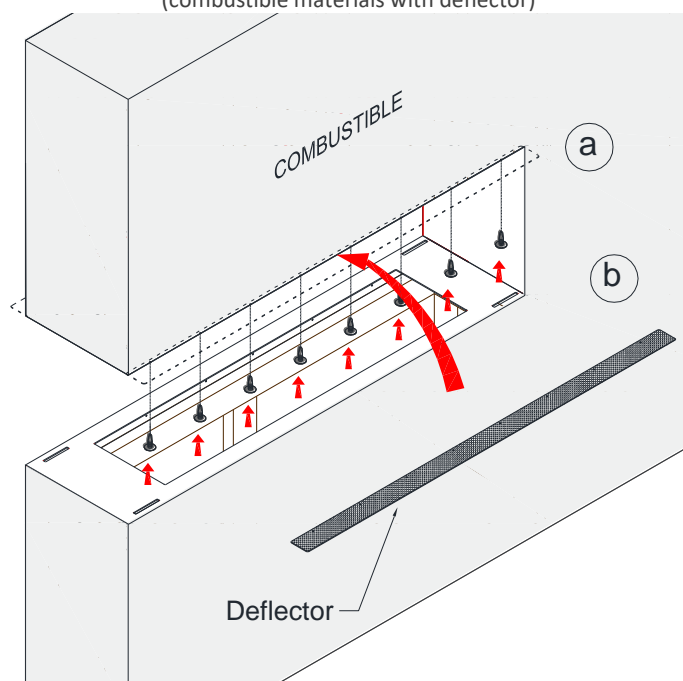
- a) Make sure that the appliance is level before securing it in place.
- b) Align the flange extension panel with the threaded holes on the appliance. Screw it into place using the included screws (bottom row onto appliance, top row onto framing material) to secure it into position.
- c) Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges.
- d) Remove the stability brackets.

3.5 Peninsula Installation

Option A

Standard solution

(combustible materials with deflector)

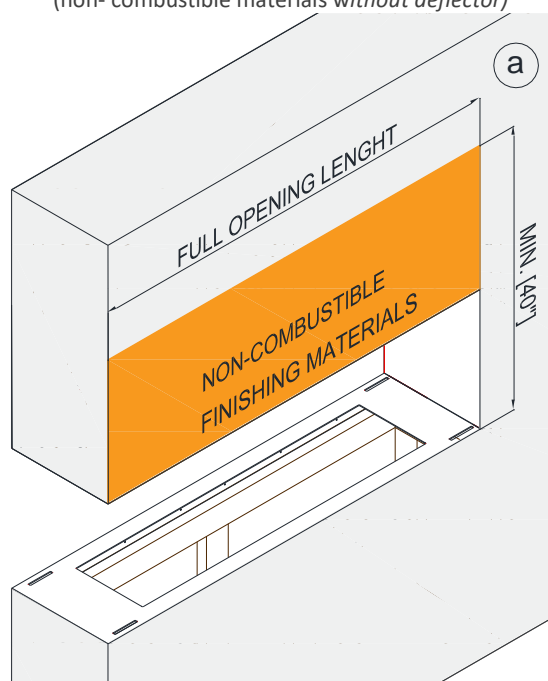


- a) Complete the construction by finishing the wall paneling around the appliance
 b) **Install deflectors** along both sides with screws using the existing mounting holes on ceiling of the fireplace.

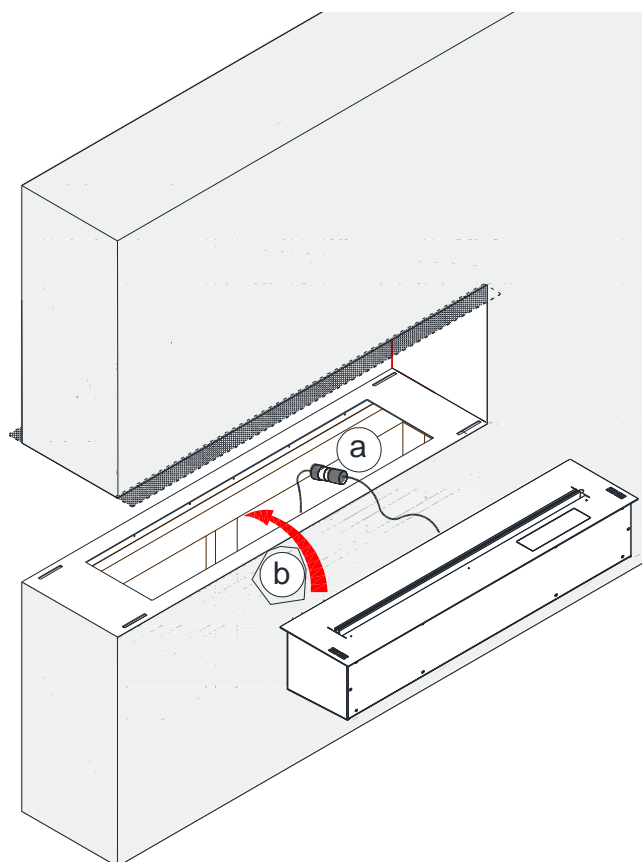
Option B

Alternative solution

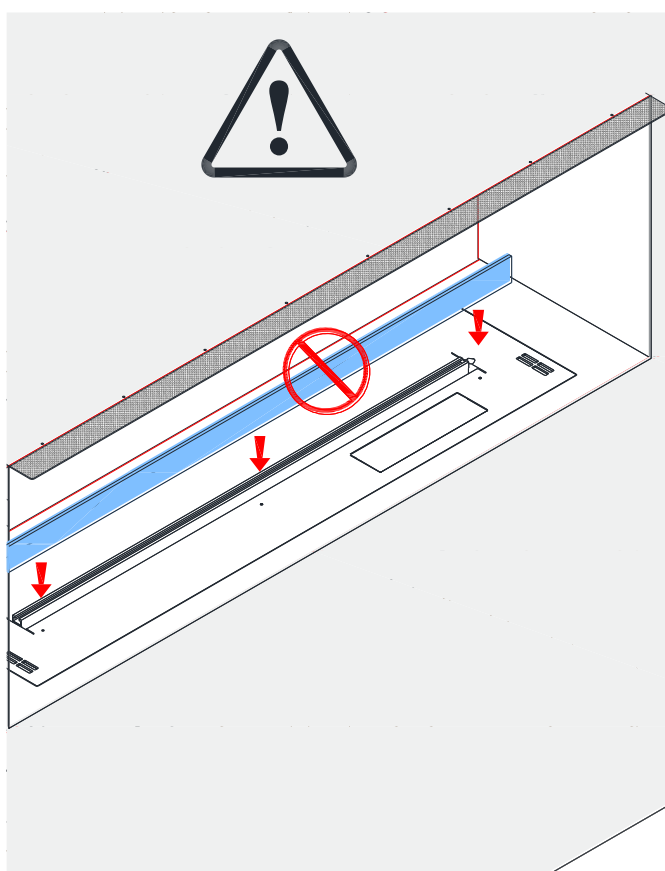
(non-combustible materials without deflector)



- a) Complete the construction by finishing the wall paneling around the appliance with non-flammable materials as on drawing on both sides

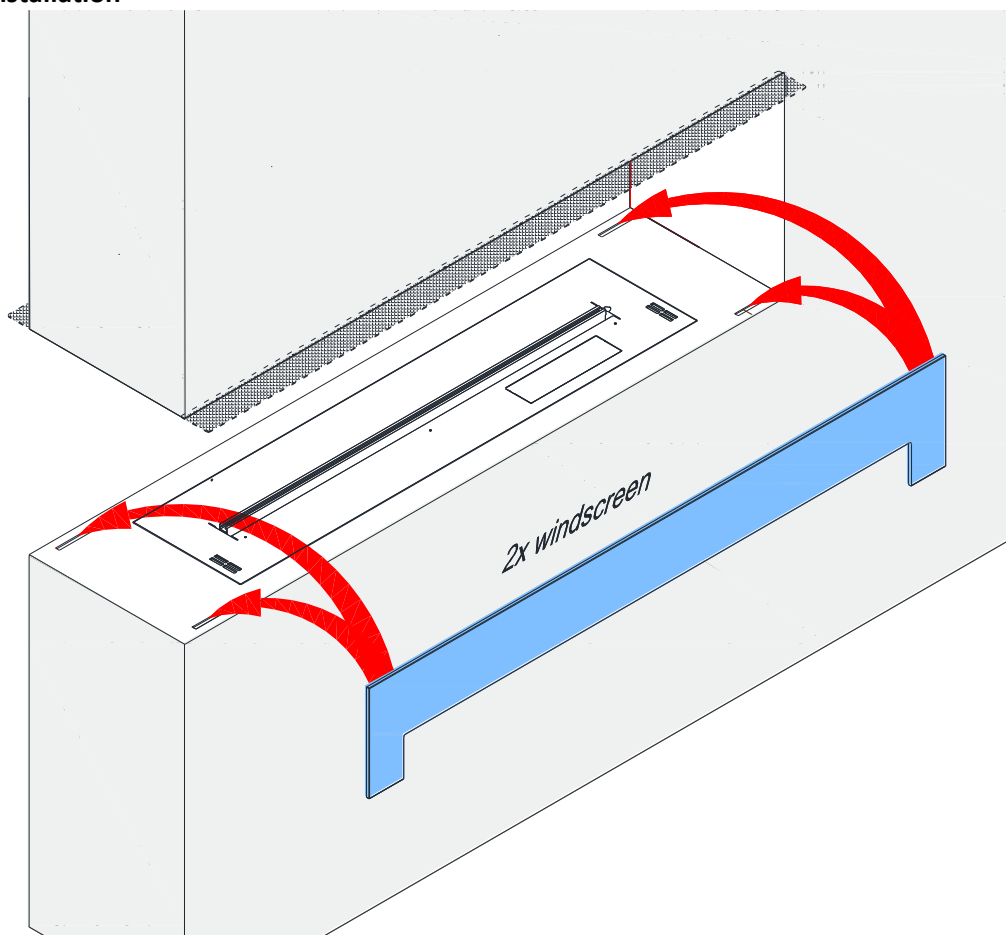


- a) Connect to the mains
 b) Place the burner into position



Do not install the burner's glass shield included with the burner

3.5 Peninsula Installation



Install the windscreen by inserting the two ends into appropriate slots in the appliance. Repeat the same for the back side windscreen