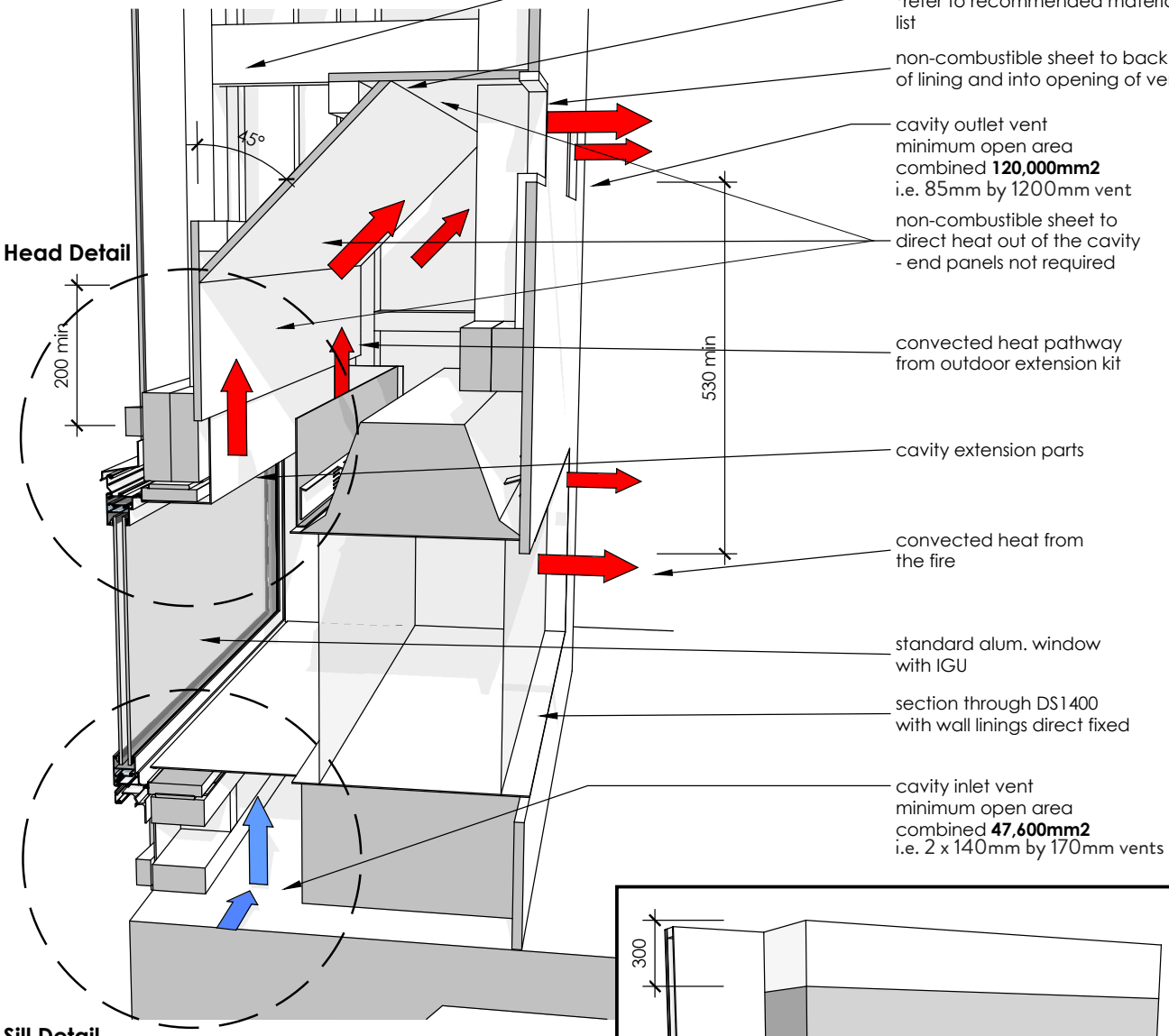
Prepare the Cavity

Based on the architectural details given below, prepare the wall cavity for the installation of the fireplace.

Head Detail



Typical framed external wall with supports for non-combustible linings

standard construction adhesive to all sheet junctions *refer to recommended materials list

non-combustible sheet to back of lining and into opening of vent

cavity outlet vent minimum open area combined **120,000mm2** i.e. 85mm by 1200mm vent

non-combustible sheet to direct heat out of the cavity - end panels not required

convected heat pathway from outdoor extension kit

cavity extension parts

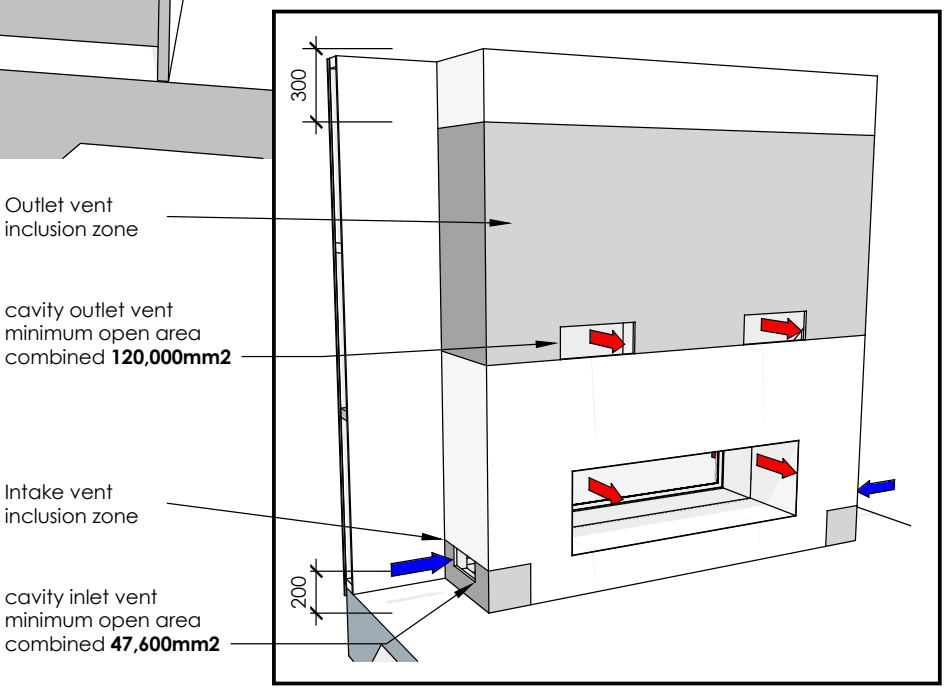
convected heat from the fire

standard alum. window with IGU

section through DS1400 with wall linings direct fixed

cavity inlet vent minimum open area combined **47,600mm2** i.e. 2 x 140mm by 170mm vents

Sill Detail



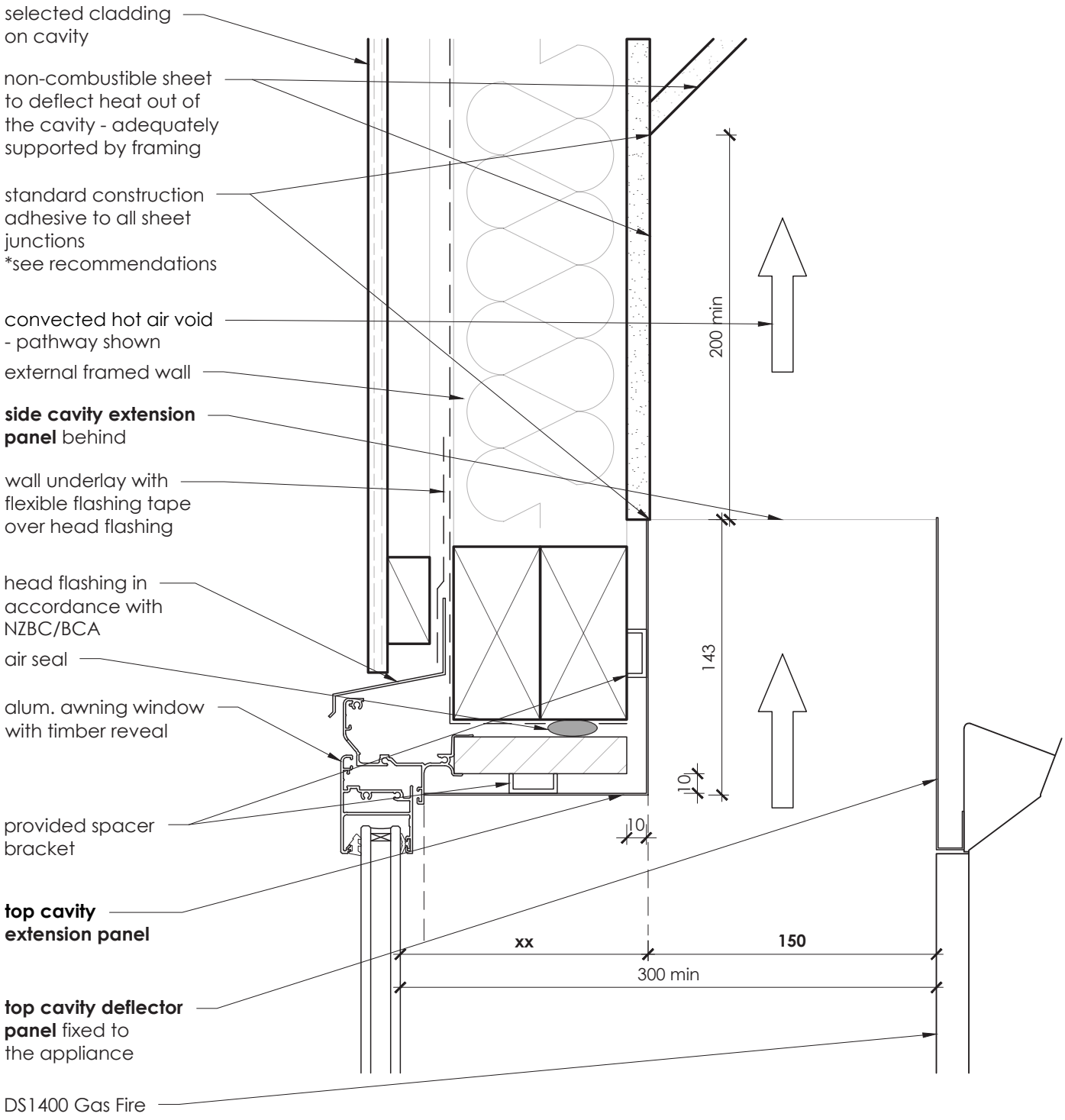
Outlet vent inclusion zone

cavity outlet vent minimum open area combined **120,000mm2**

Intake vent inclusion zone

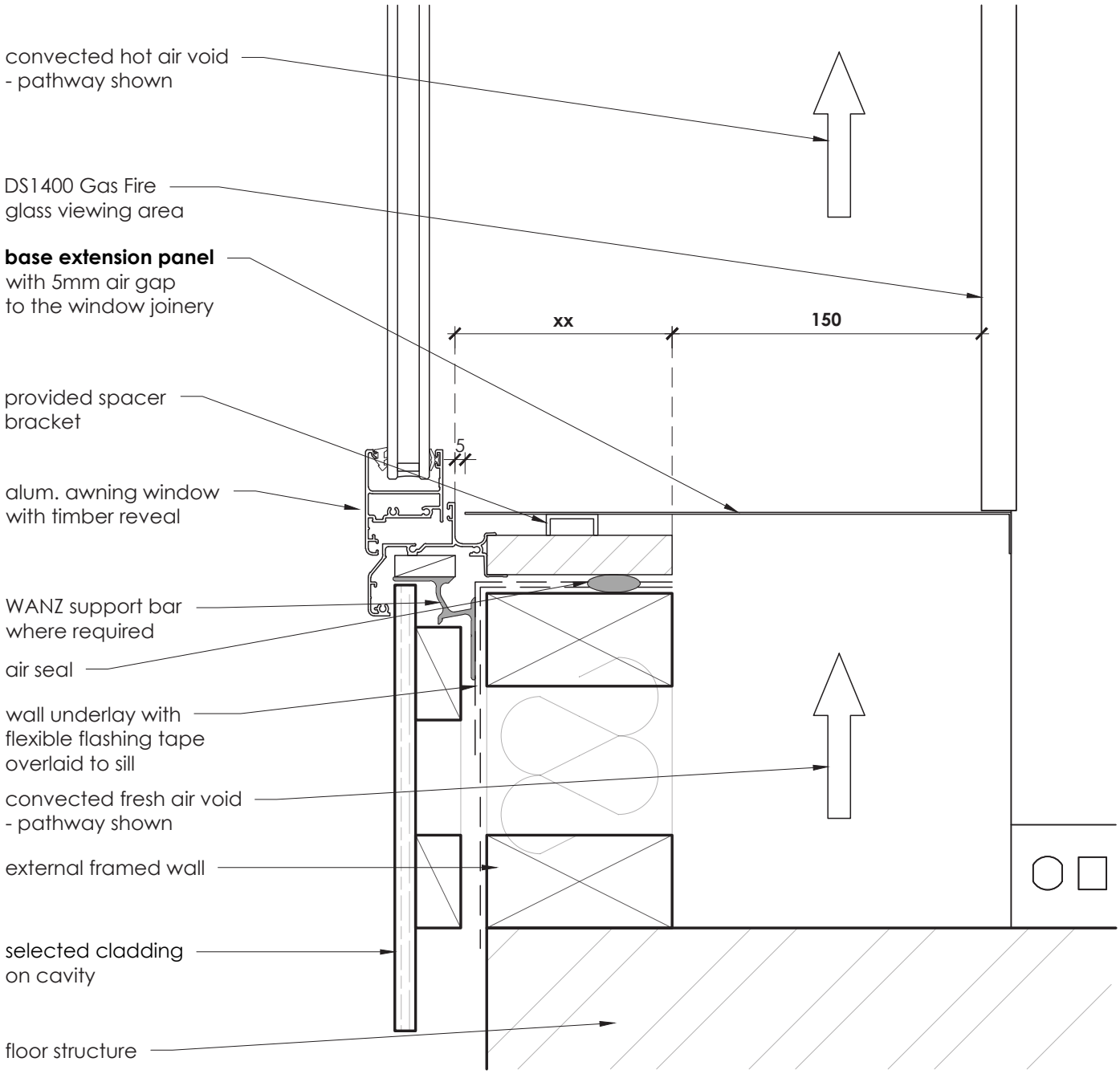
cavity inlet vent minimum open area combined **47,600mm2**

Head Detail - installation dependant upon house cladding choice.



'xx' - This value will be impacted by cladding choice and cavity requirements - minimum value is 150mm.

Sill Detail - installation dependant upon house cladding choice.



'xx' - This value will be impacted by cladding choice and cavity requirements - minimum value is 150mm.

Recommended building materials include:

- Sika Book FR - Air Seal
- Thermokraft building wrap - Wall Underlay
- Alutape Xtreme - Flexible Flashing Tape
- Construction adhesive: Loctite MP5000, Liquid Nails, No More Nails, Nailbond SB Original or Nailbond Premium

Window Requirements

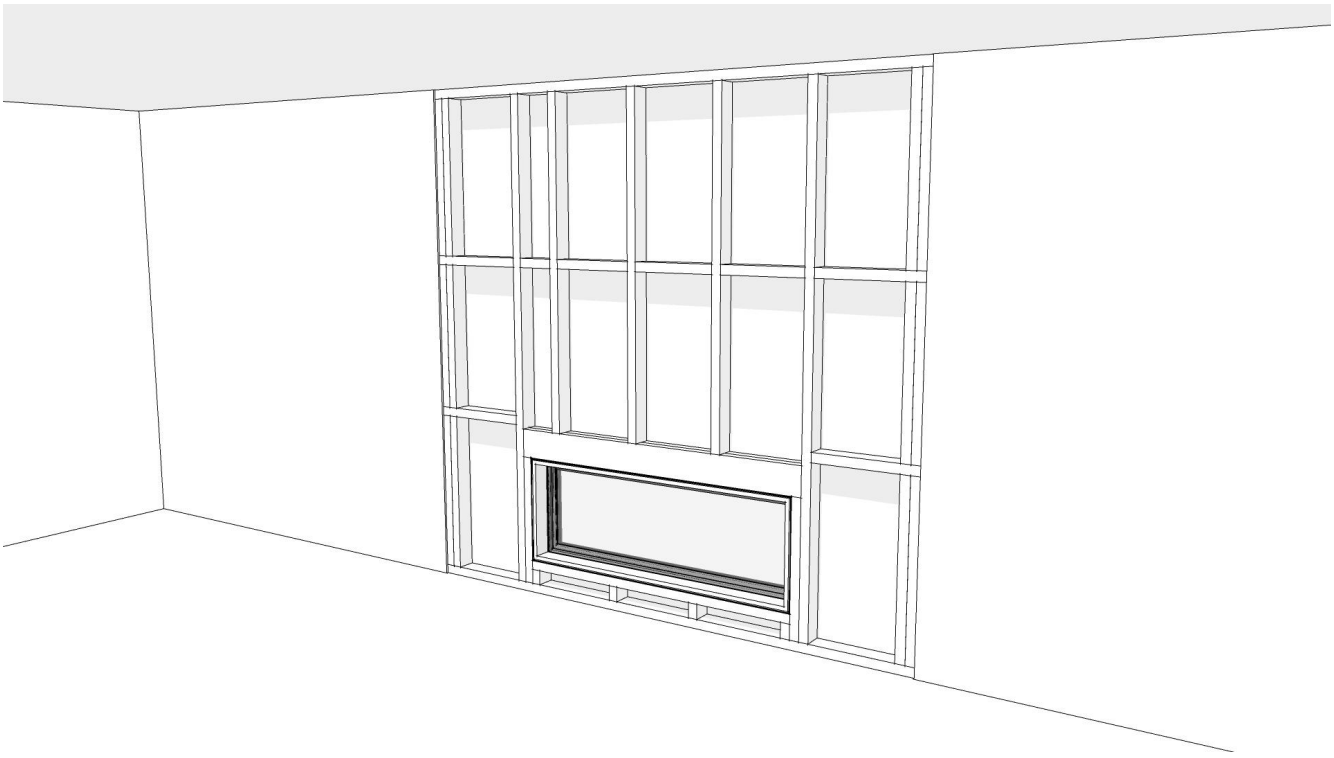
The window, provided by your builder or local window supplier, must meet the following specifications:

- The window framing must be adjusted to suit the cladding of the building.
- The head flashing of the window needs to comply with local building codes.
- The window must be able to be opened fully from outside to allow cleaning of the fireplace glass and maintenance of the fuelbed. An external locking mechanism for the window is required.
- The window needs to be a standard insulated glazing unit (IGU) with an air filled gap (do not use an argon filled IGU).

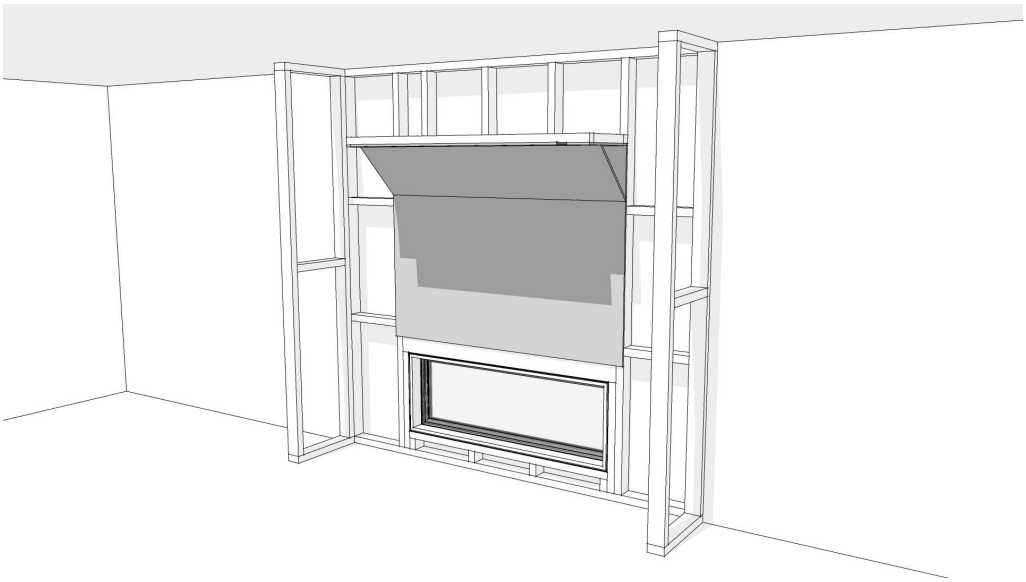
Minimum Allowable Window and Window Frame Measurements:

Construction Guide

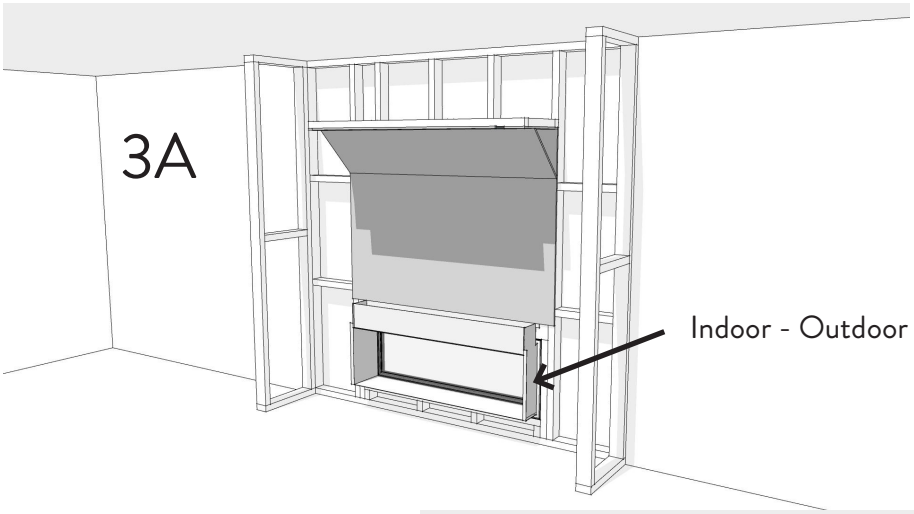
1. Begin with framing the cavity and installing the window as per local building codes. The requirements for the window are listed above.

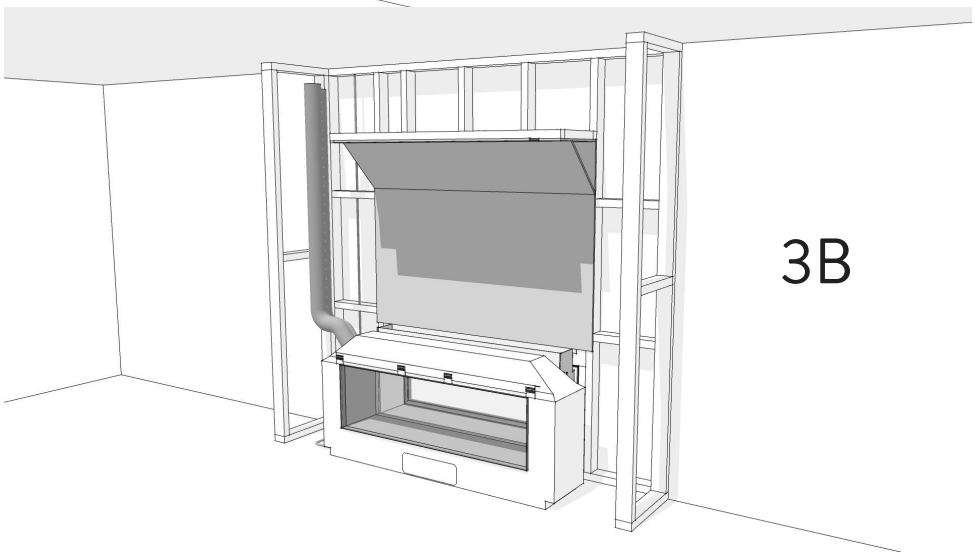


2. Install the non-combustible sheet that will deflect the heat out of the cavity. This needs to be constructed as per the architectural details on the previous pages. The width of the non-combustible sheet needs to be at least as wide as the outside measurements of the indoor-outdoor kit (1400mm minimum).

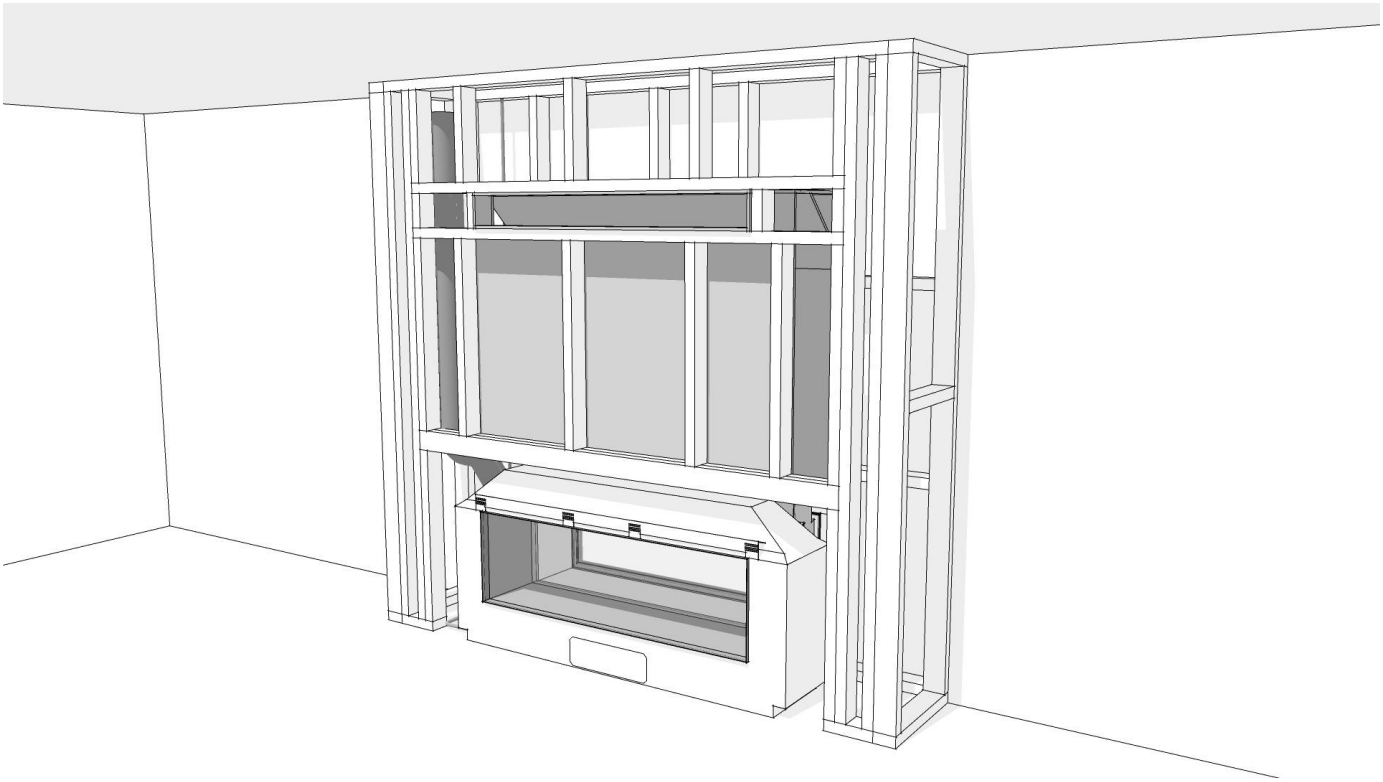


3. Convert the fire (instructions follow) by affixing the indoor outdoor kit pieces to the fire. The way that these pieces sit into the window is shown below without (3A) and with (3B) the fire as reference. Place the LED's as the following sections describe, then slide the fire into place using the instructions on the last page.

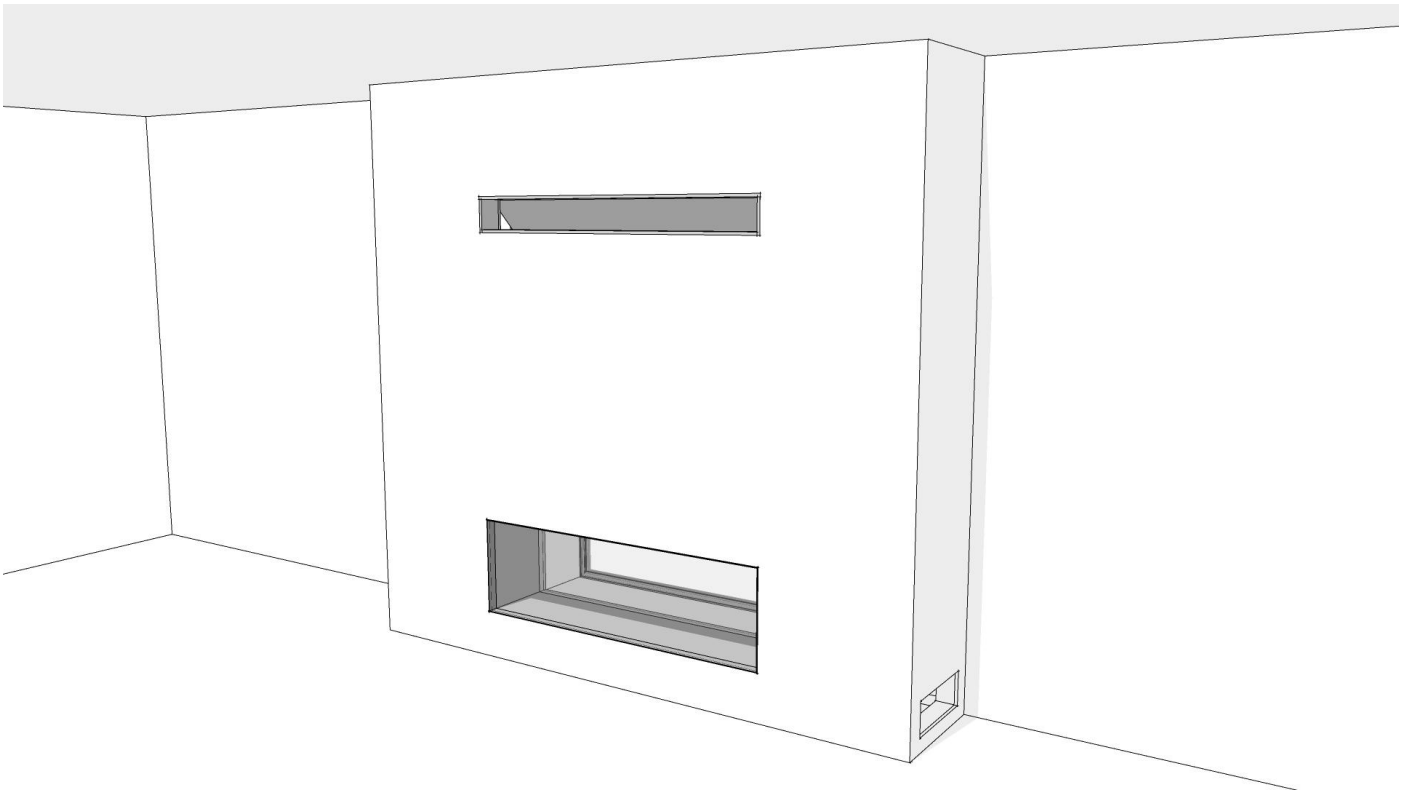




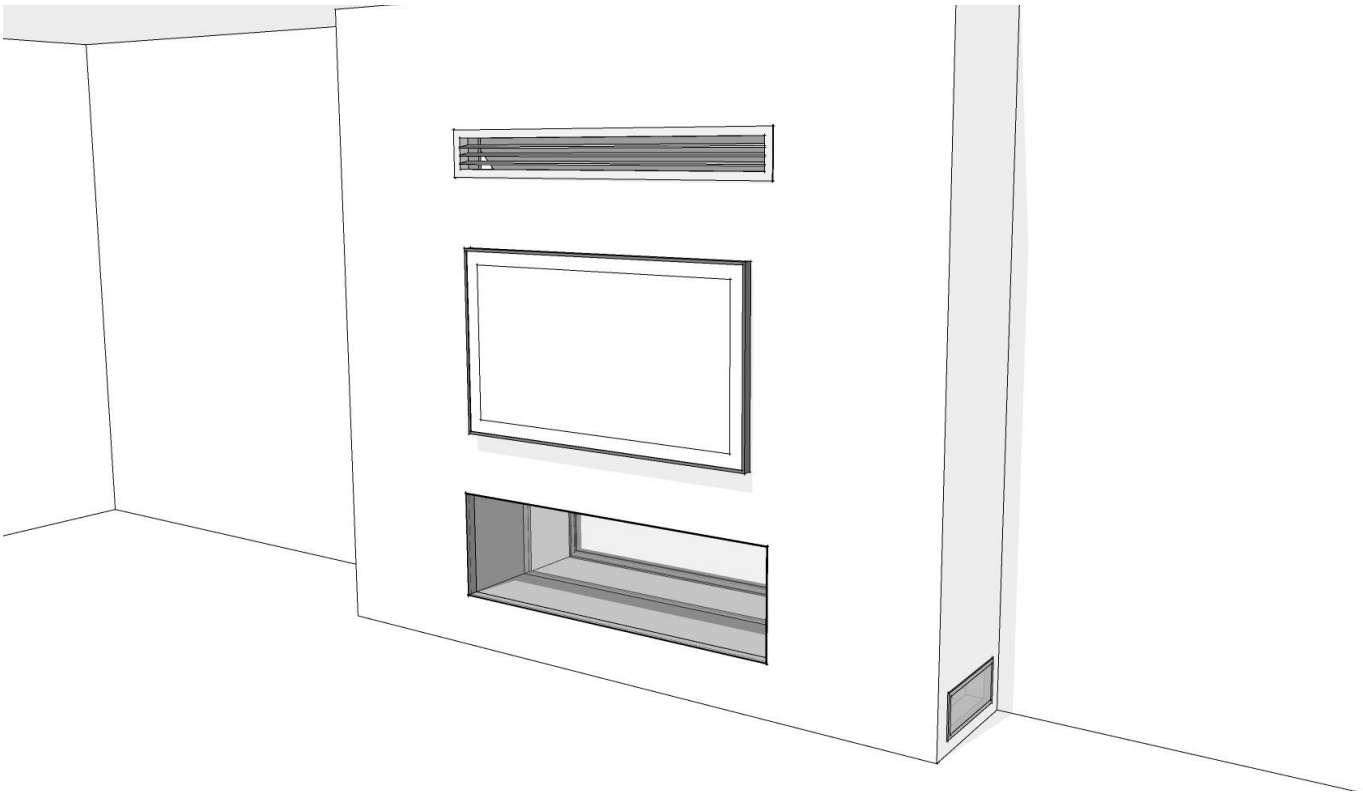
4. **Ensure the fire is installed as per the rest of this instruction guide prior to finishing framing and installing the fire. It is recommended to verify the correct installation and function of the fire prior to continuing.**
Install the wall framing above the fire, as shown below.



5. Clad the wall, leaving space for the vents specified on the first page (120,000 mm^2 for the outlet and 47,600mm^2 for the inlet).

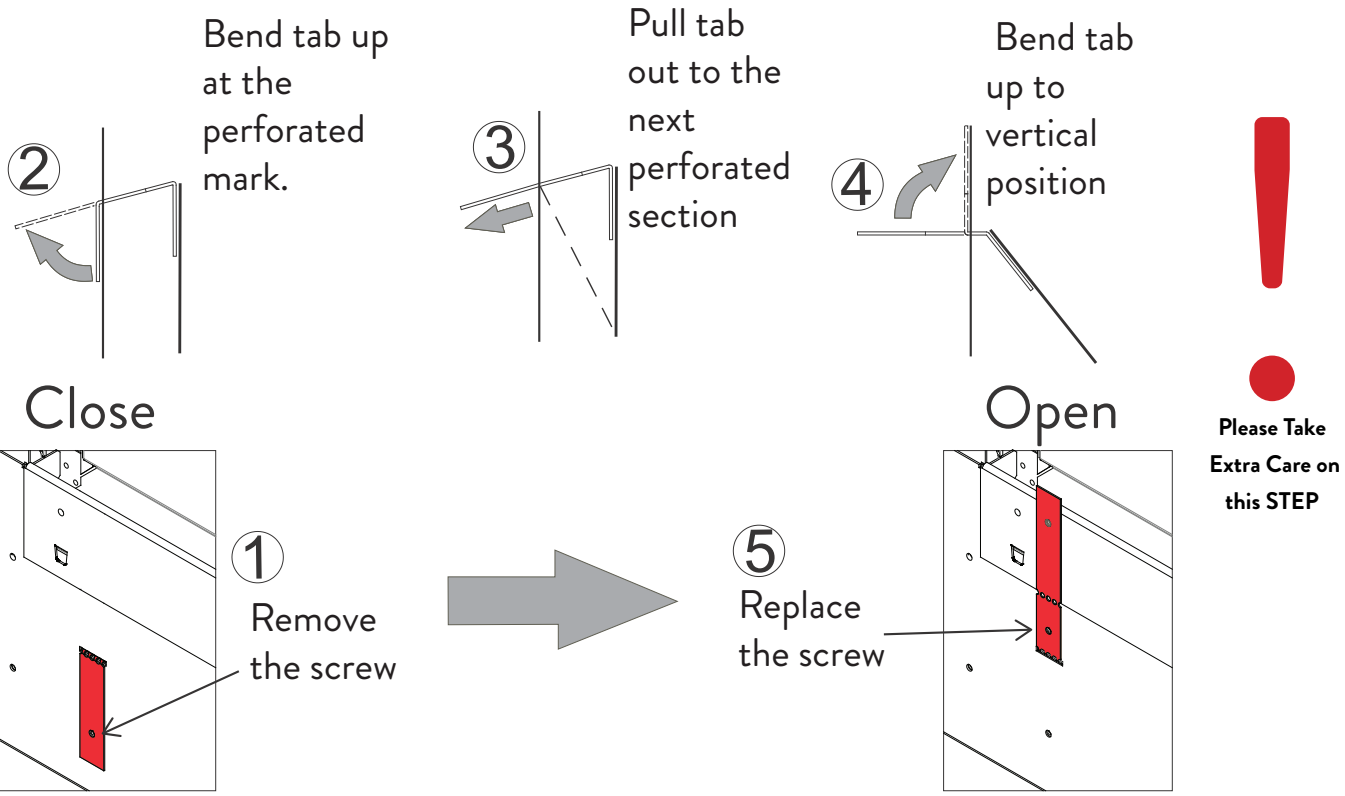


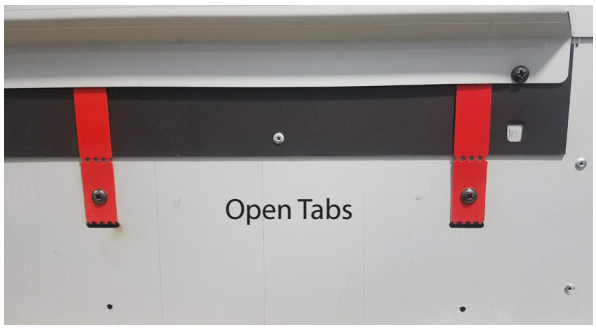
6. Finish the installation by installing vent covers and customer selected wall finishings.

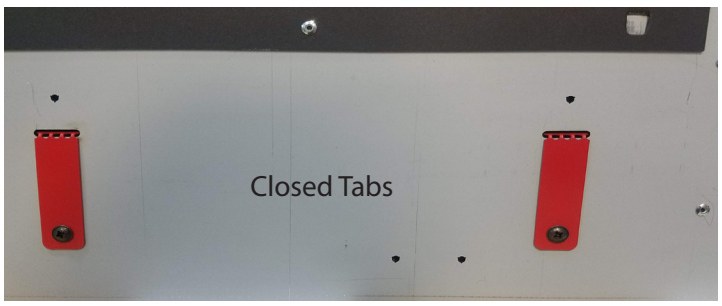


Convert the Fire - Double Sided Model

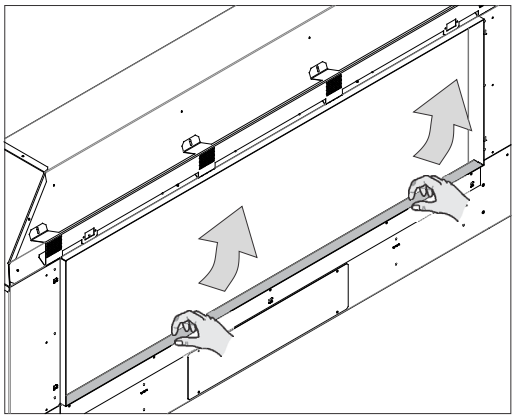
1. On the back of the fire (the side facing the window) remove one scew from each of the four tabs at the bottom of the chassis and set them from “close position” to “open position” (shown below). Pull each pair of tabs together to shift the position of the air vents inside the fire. Be careful to not damage the tabs when pulling them out.







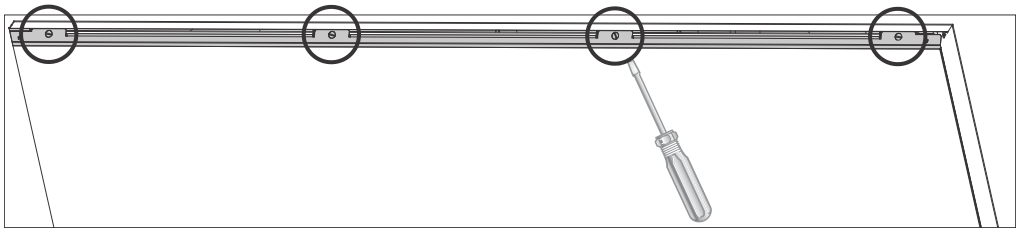
2. On the back of the fire, remove the bottom trim (shaded in grey below). If necessary, insert a large slotted screwdriver into the lance forms and twist.



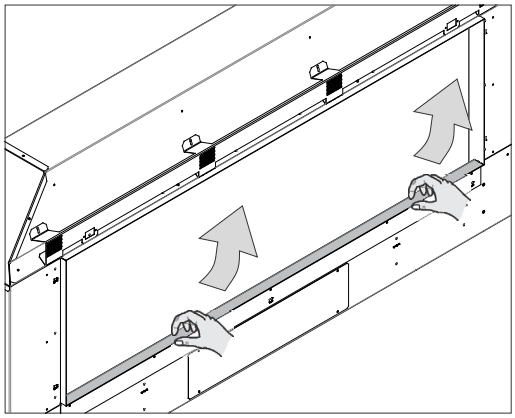
3. Continue from Step 12 of the single sided fire conversion instructions.

Convert the Fire - Single Sided Model

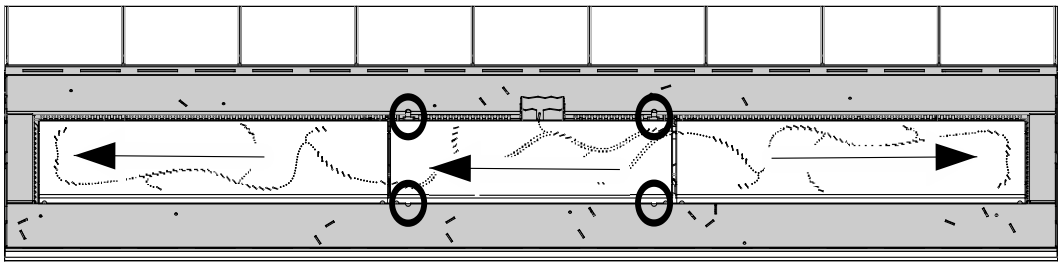
1. On the front of the fire, remove the glass retaining bracket (shown below in grey) by unscrewing the four 1/4 turn fasteners located at the top of the glass (shown in the diagram below). Remove the glass.



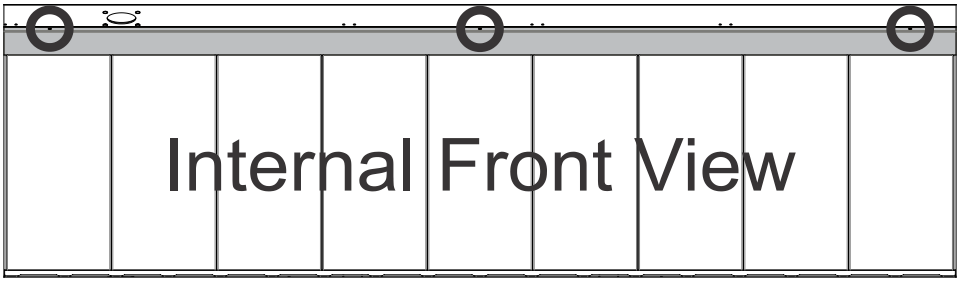
2. Remove the bottom trim (shaded in grey below). If necessary, insert a large slotted screwdriver into the lance forms and twist. Be careful not to scratch the bottom trim.



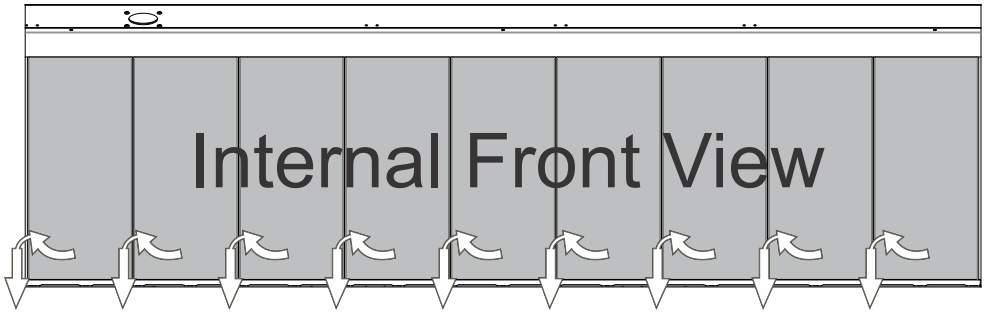
3. Remove the four screws circled in the diagram below. Lift one end of the infill up into the top corner of the firebox and then out towards you, taking care not to scratch the firebox paint and reflective panels. Remove the outer burners by sliding them away from the centre of the fireplace, followed by the centre burner, which slides out to the left.



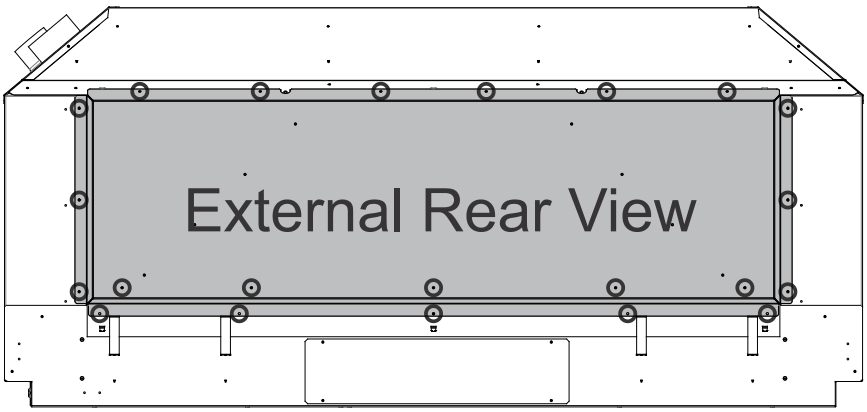
4. On the inside of the firebox, slightly loosen **(do not remove)** the firebox liner bracket (shaded in the diagram below) by loosening—not removing—the 3 screws (circled in the diagram below).



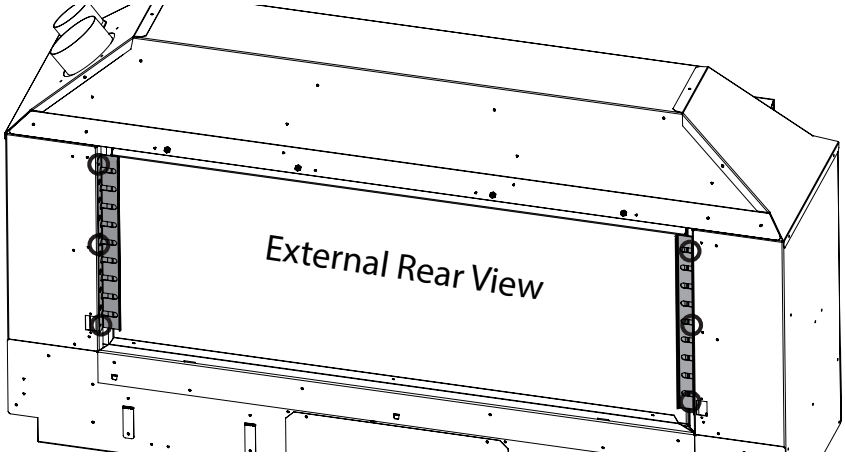
5. Carefully swing the lower edge of each firebox liner towards you and pull down to release each panel (shaded in the diagram below). It may be necessary to slide the firebox liner to the side prior to swinging it out. Once the back panels are removed, re-tighten the 3 screws loosened in step 4.



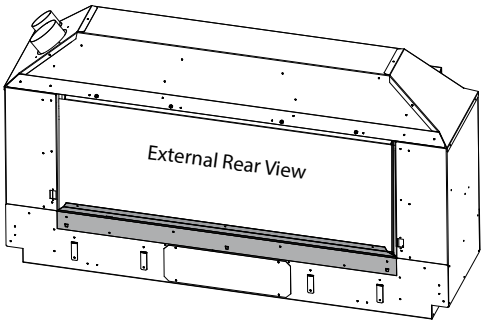
6. **The rest of the instructions are performed on the rear of the fire. This will be the window-facing side of the fire.** Remove the screws (circled in the diagram below) from the back panel of the appliance. Remove the back panel (shaded).



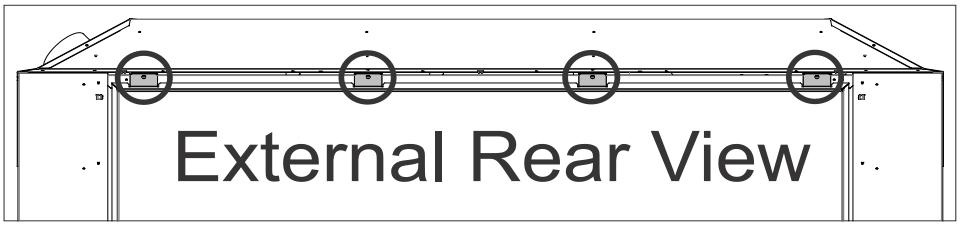
7. Remove the 6 screws in the chassis (circled below) and remove the side brackets (shaded below) by pulling them in towards the centre of the fire.



8. Remove the bottom air deflector (shown shaded below). Insert a large slotted screwdriver into the slot and twist it to release the air deflector.

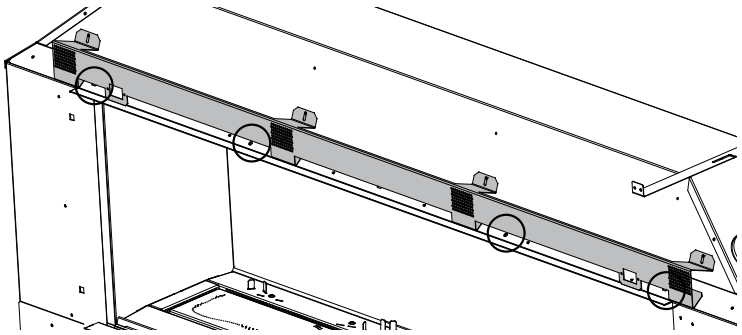


9. Unscrew the 1/4 turn fasteners (circled below) and allow the panel to lean forward so you may lift the panel out.

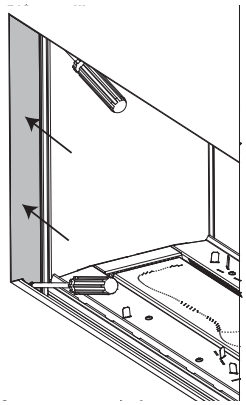


10. Open the indoor/outdoor kit to find the additional pieces required to finish the installation.

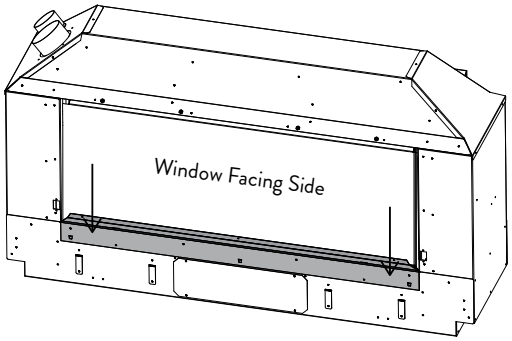
Fix the top trim in place with the four black machine screws provided. The screws are inserted from the inside of the fire, screwing into the existing threads on the outside of the fire. Install the gib board fitting bracket (shaded below).



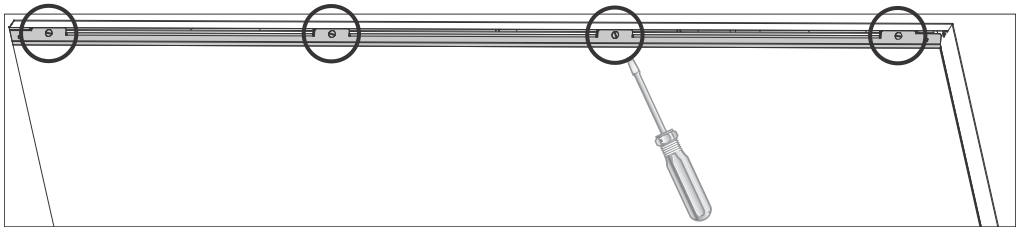
11. Reinstall the burners and the infill by reversing the steps followed in step 3. Next, fit the two side trims. These are fixed top and bottom with the low profile black self tapper screws (see below).



12. Fit the bottom air deflector that came with the indoor/outdoor kit on the window facing side of the fire.

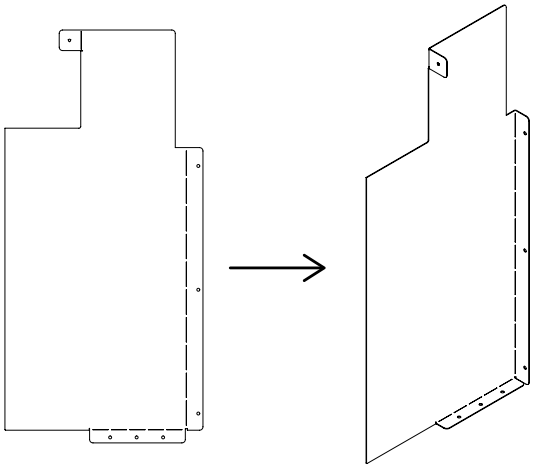


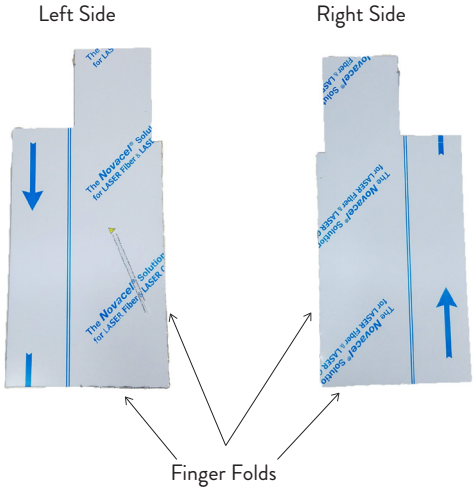
13. Install the fireplace glass on the window facing side of the fire using the glass retainer from the indoor/outdoor kit. **This retainer is slightly wider than the standard glass retainer.**



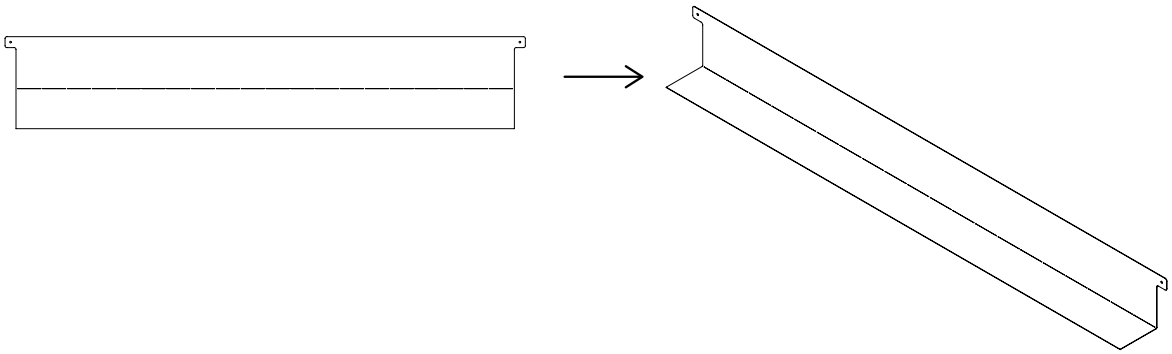
14. Hand-fold all pieces, then remove the protective film from all components prior to installing the fire.

Place one side cavity extension piece on a flat surface with the protective tape facing away from you. Bend the three finger folds 90° towards you as shown below. Place the second side cavity extension piece on a flat surface with the protective tape facing towards you. Bend the three finger folds 90° towards you as shown below.

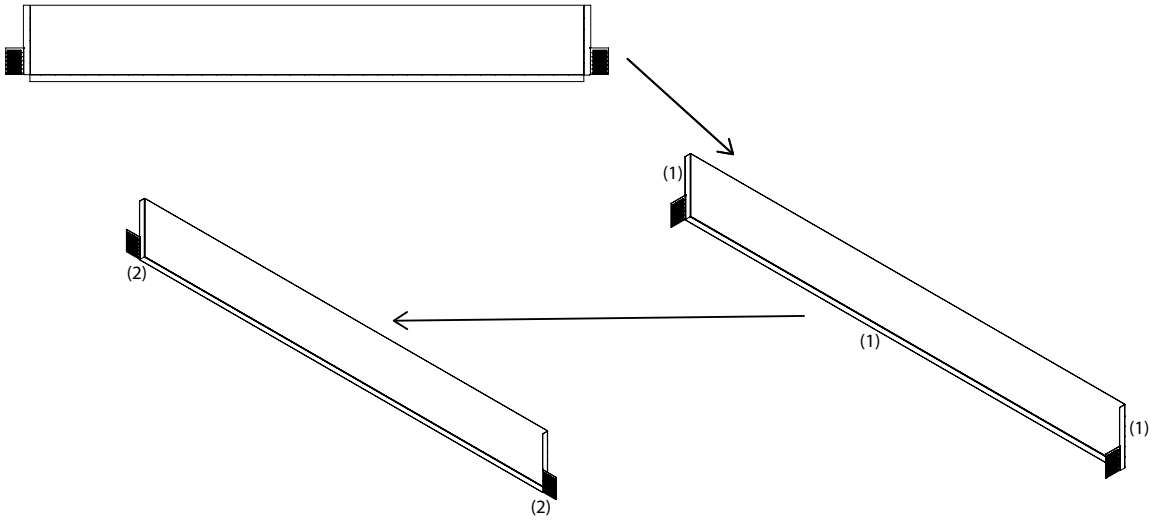




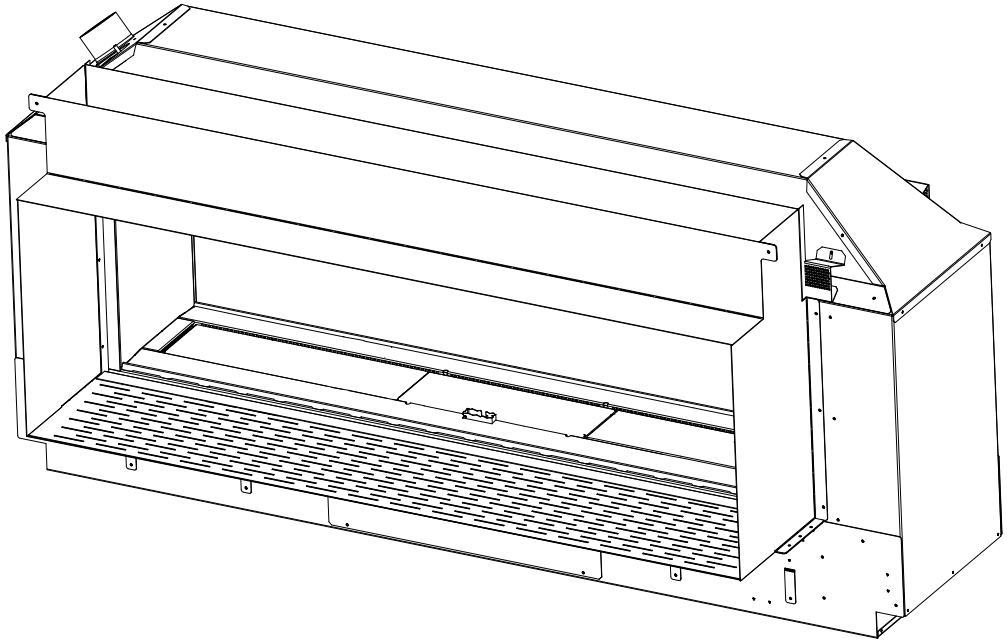
15. Place the top cavity extension piece on a flat surface with the protective tape facing away from you. Bend the finger fold 90° towards you, as shown in the image below.



16. Place the top cavity deflector piece on a flat surface with the protective tape facing away from you. Bend the three finger folds 90° towards you (1), then bend the two side tabs down (2) so they match the diagram shown below.



17. Screw the side cavity extensions onto the fire, followed by the bottom cavity extension. For easier installation, attach the screws under the bottom cavity extension first, then attach the six screws between the side and bottom extensions. Attach the top cavity extension, then the top cavity deflector. The final fire should look like the image below.



Installing the LED Light Strip

The LED system consists of three main components: the LED light strip, the power transformer, and the remote receiver.
Note: In order to access the power supply and remote receiver after install for repair/replacement purposes, position these components at the air inlet vent as these components are not accessible from the fire.

Connecting the Power Supply

While the cavity is being created, consideration must be given to the location of an appropriate power supply. An earthed 230/240 volt mains power connection (typically a standard 3 pin outlet) must be available within 1m of the bottom right of the appliance. A second connection for the LED system must also be available. These connections must be accessible after the heater has been fully installed so that both the appliance and the LED system can be safely disconnected from the mains power supply prior to servicing.

A mains isolation switch (compliant to AS:NZS 5601 Clause 6.2.8) which is accessible from outside the cavity that switches both outlets can also be used to disconnect the power.

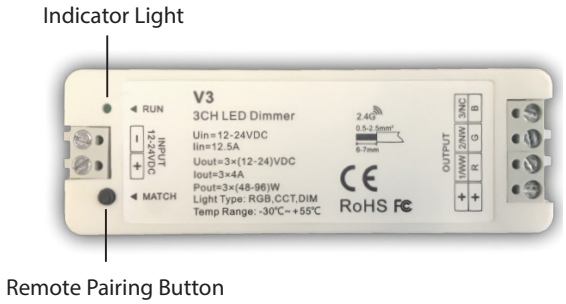
Regardless of the method used, it MUST ALWAYS be possible to safely isolate the electrical supply to the appliance and to the LED system after they have been fully installed. The power transformer must be accessible once the heater has been fully installed (it is recommended to position this where the air inlet vent is or provide an access hatch).

This appliance must not be located immediately below a socket outlet. This appliance will draw a maximum of 2 Amps from a 230/240V supply. No additional power supply is required for the power flue.

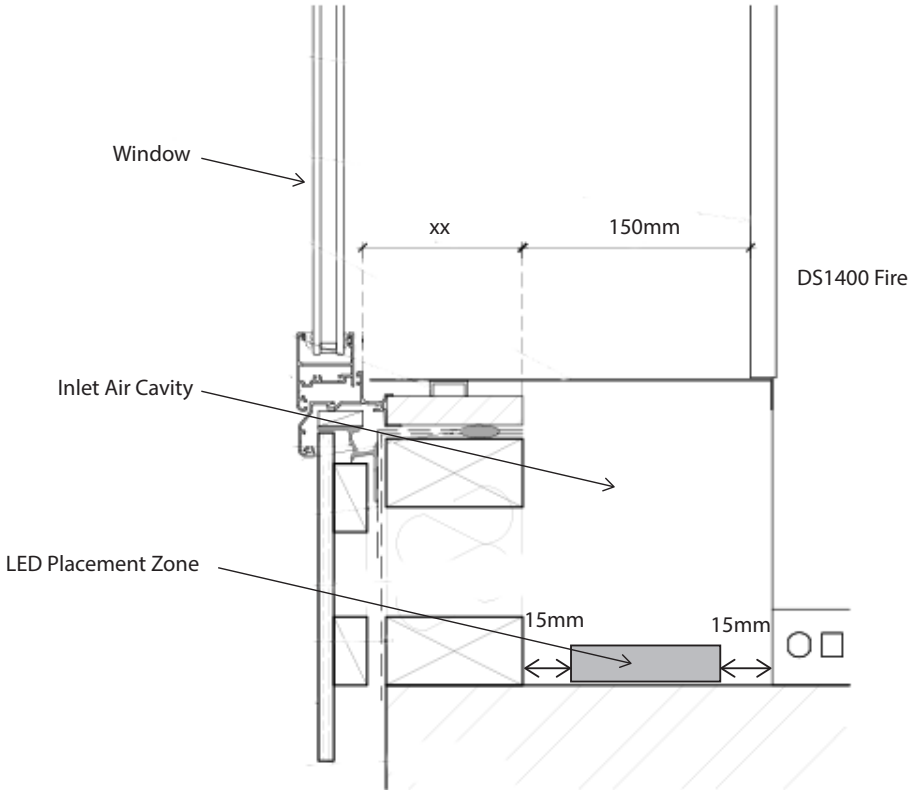
Pairing the Remote

With the power supply attached, pair the remote with the receiver.

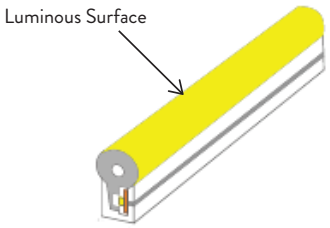
1. Press the On/Off key on the remote. The LEDs should be on at this stage.
2. On the LED receiver (shown left) short press the remote pairing button.
3. On the remote, touch the colour wheel until the LEDs change colour. The new remote is now paired.



Arranging the LED Strip
Place the flexible silicon LED strip in the 'LED Placement Zone' in the prepared cavity (as shown in the diagram below).



Position the LED strip so that the luminous surface is facing up. This will allow the most light to show through the bottom cavity extension. The LED strip may be secured using double sided tape, but this is not required. It sits on the base of the fireplace cavity beneath the slotted bottom cavity extension.



Operating the LED System
Turning the LEDs on
Press the On/Off button to turn the LEDs on.

Note: If the remote is left inactive for more than 1 minute, the remote will turn off but the LEDs will remain on. Push the On/Off button to turn the remote on.

Selecting a Colour
Touch the colour selection wheel to choose a colour.

Changing the Brightness

Press ◀ to decrease the brightness.

Press ▶ to increase the brightness.

Changing to White

Press the W button to change from a colour to white.

Scene Programming

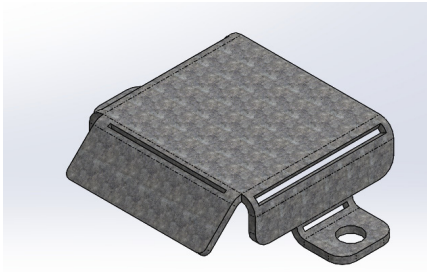
1. Short press the button to recall.
2. Long press the button to save the scene.

Changing Modes

1. Short press the button to change the mode.
2. Long press the button to cycle through the modes automatically.

Install the Fire into the Cavity

1. Fold the spacer brackets as shown below and position them evenly along the timber reveal. The taper on the spacer should be positioned towards the fire to make it easier to slide the fire in.



2. Slide the fire into the wall created as per the architectural diagrams on the first few pages. The cavity extension should be positioned so that it sits against the window frame.
3. Install the fuelbed media into the fire as per the installation/user guide.
4. Re-install the non-window facing bottom trim and the non-window facing glass by reversing steps 1 and 2 of these instructions.
5. Open the window from outside the house to allow installation or maintenance of the secondary fuelbed. Install the secondary fuelbed on top of the window facing cavity extension, as per the related fuelbed in the installation/user guide.

Ensure that no pieces of the fuelbed media fall between the gib trim and the window (shaded grey below).