

Roof Hatch

Installation instructions

Important

Installation of roof access hatches involves working at heights and over voids with long drops. All care must be taken to avoid falling. Use appropriate harnesses when installing Sellwood Roof Access Hatches. These instructions are not intended to be a complete lesson in the installing of roof hatches but as a procedural guide to competent trades people.

Tools Required

The "Multimate" screws supplied with the hatch are suitable for fixing to both timber framing and steel purlins (up to 3.00mm) and require a 5/16" hex drive socket for easy installation. This can be used with a 9 volt (or stronger) battery drill or a standard power drill. Apart from this only standard carpentry tools are required.

Suitable Fixings - Other suitable fixings include

Timber - "Timbertite" (type17) Screws, 12 x 40 with 8-10-12 Neo dome washers.

Steel Purlins up to 1.5mm - "Steeltite" Screws, 12 x 20 with 8-10-12 Neo dome washers.

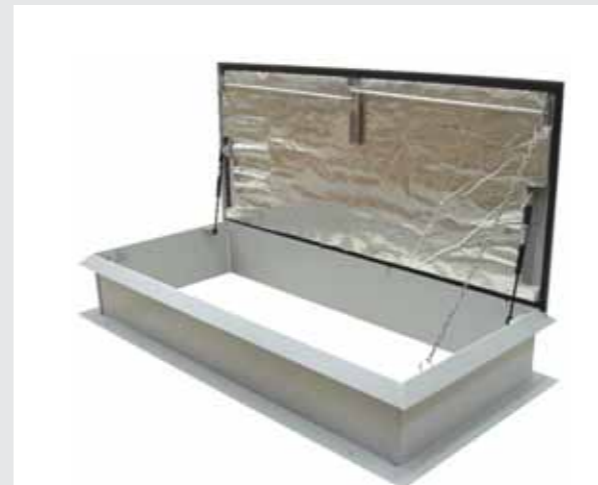
Concrete slab roof - lay 50mm DPC between hatch and concrete. Metal Pin Anchors 6.5 x 32

Choosing the Location

When choosing a location for the installation of the roof hatch a compromise between where you would like it to be located in relation to the floor plan and what is possible in relation to the roof structure may be required.

1. Check with the appropriate building code to determine the distance the hatch must be from the edge of the roof. This may vary depending on which direction someone using the hatch may emerge through the hatch.
2. Check that the preferred location is clear both below the roof and on top of the roof.
3. Choose a location with good access to the hatch from the floor below. Install a Sellwood Access Stair or Sellwood Roof Access System if appropriate.
4. Choose a location that is clear of other services such as air conditioning ducts, wires, plumbing or fire sprinklers.

Note model SRH6595 opens on the short edge and models SRH11565 and SRH 15265 open on the longer edge.



2. Retrofit Installation into a frame roof with existing roofing iron.

2.1 Identify where the roof is to be cut out by drilling holes through the roof in the corners of the prepared opening.

NB Ensure roofing is supported on all four sides.

2.2 Cut out the roofing material in a line 70mm above the location of the holes at the higher end, and the lower end, of the roof and 40mm outside the line of the location holes on the sides.

2.3 Slide the hatch into the opening and hard up to the iron. Lower the hatch through the iron and on to the prepared opening in the frame. Slide the hatch sideways so it is square on the opening in the frame and the fixing holes in the flanges are visible.

2.4 Fix the hatch to the frame in the roof with the appropriate fixings through the holes in the flanges. Drill extra holes in the flanges if necessary. Place a timber packer on the flanges on the sides of the hatch and between the fixing screws. This is to support the flashings near the hatch where there is no roofing material.

2.5 Flash as described above. (1.4)

Installation on to a concrete roof.

DPC must be placed between hatch flanges and concrete.

Locate the hatch square over the prepared opening and fix to the concrete with Metal Pin Anchors supplied.

Applicators of the roofing material being applied will need to follow all appropriate application methods for that material.

Adhered roofing membrane may be adhered directly to the hatch.

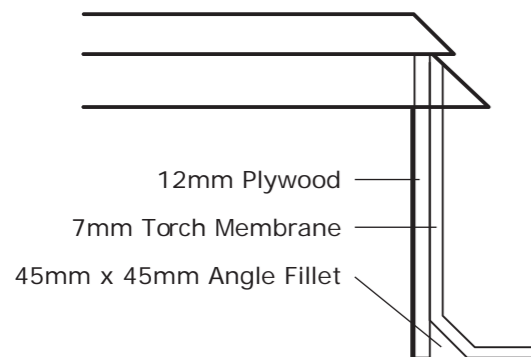
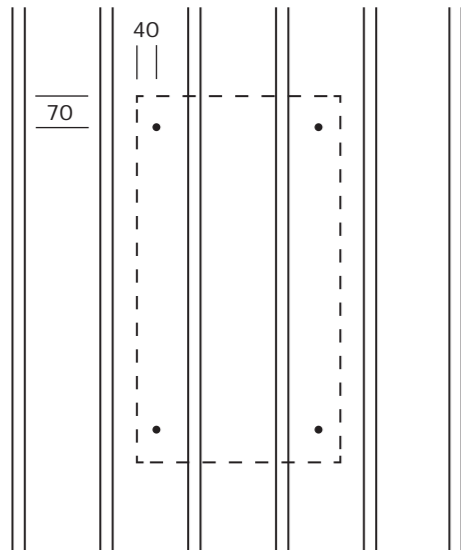
Torch down membrane will require 12mm construction ply panels on all four sides of the outside of the hatch.

The torch down membrane applicators are to fix the membrane to the ply and hard up under the overhang.

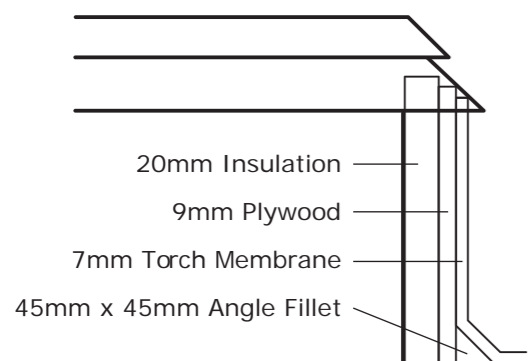
Refer to Sellwood technical representatives for any issues which may not have been covered by these instructions.

An insulation pack is available for warm roof applications

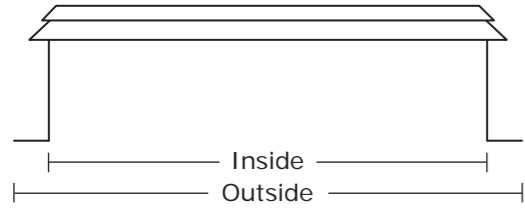
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Without Insulation



With Insulation



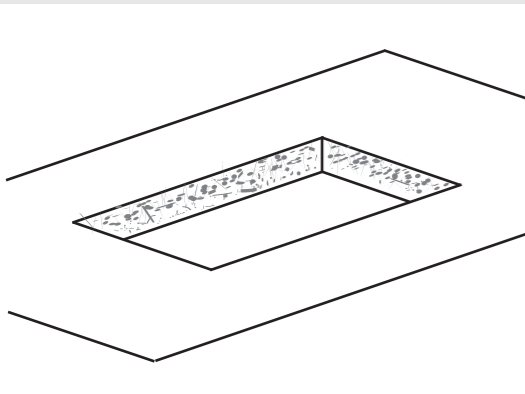
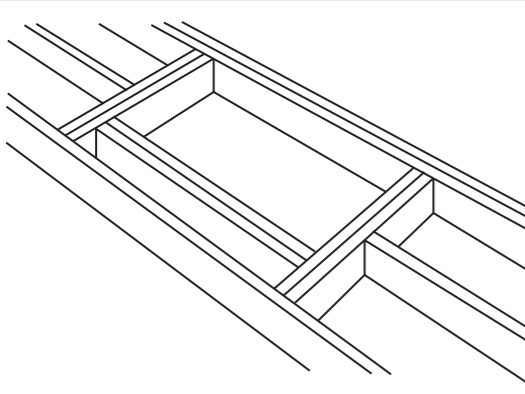
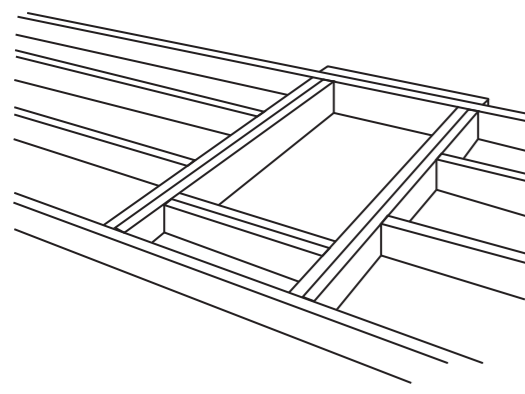
Dimensions of a Sellwood Roof Access Hatch

Model	Inside	Outside
SRH650900	650 x 900mm	750 x 1000mm
SRH800800	800 x 800mm	900 x 900mm
SRH1150650	1150 x 650mm	1250 x 750mm
SRH1200900	1200 x 900mm	1300 x 1000mm
SRH1525650	1525 x 650mm	1625 x 750mm

Preparing the Opening

On a steel or timber frame roof, create an opening in the roof frame with an internal trim size the same size as the inside measurement of the model to be installed. (Check for square).

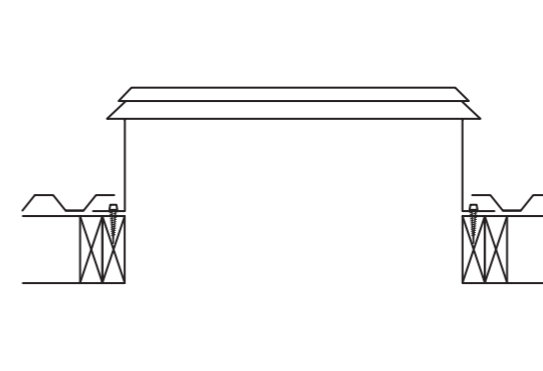
On a concrete roof, which is to have a torch down membrane, create an opening in the roof the size of the inside measure of the model to be installed. There is no need for an up stand around the opening as the torch down membrane can be taken up the side of the roof hatch. (See later instructions).



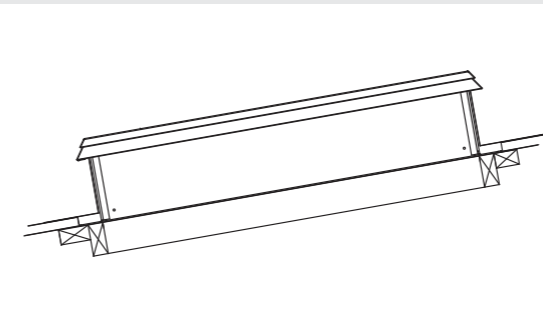
Installing The Hatch

1. Into a steel or timber frame roof before the roofing iron is fitted.

1.1 Place the hatch square over the prepared opening and fix to the frame in the roof with the Timbertight screws supplied (or similar) through the predrilled holes in the flanges.



1.2 The roofer is to bring the roofing material over the flanges and up to about 10mm from the walls of the hatch.



1.3 The hatch must be flashed in accordance with good roofing practice and using the Metal Roof Code of Practice for detail of flashing.

1.4 That part of the flashing that goes up the sides of the hatch must go to the top of the sides under the overhang, and be fixed to the sides of the hatch with rivets. A bead of roofing silicon is to be applied along the full length of each side at the top of the flashing under the overhang. It is easier to apply this bead of silicon to the top edge of the flashing before placing in position.

