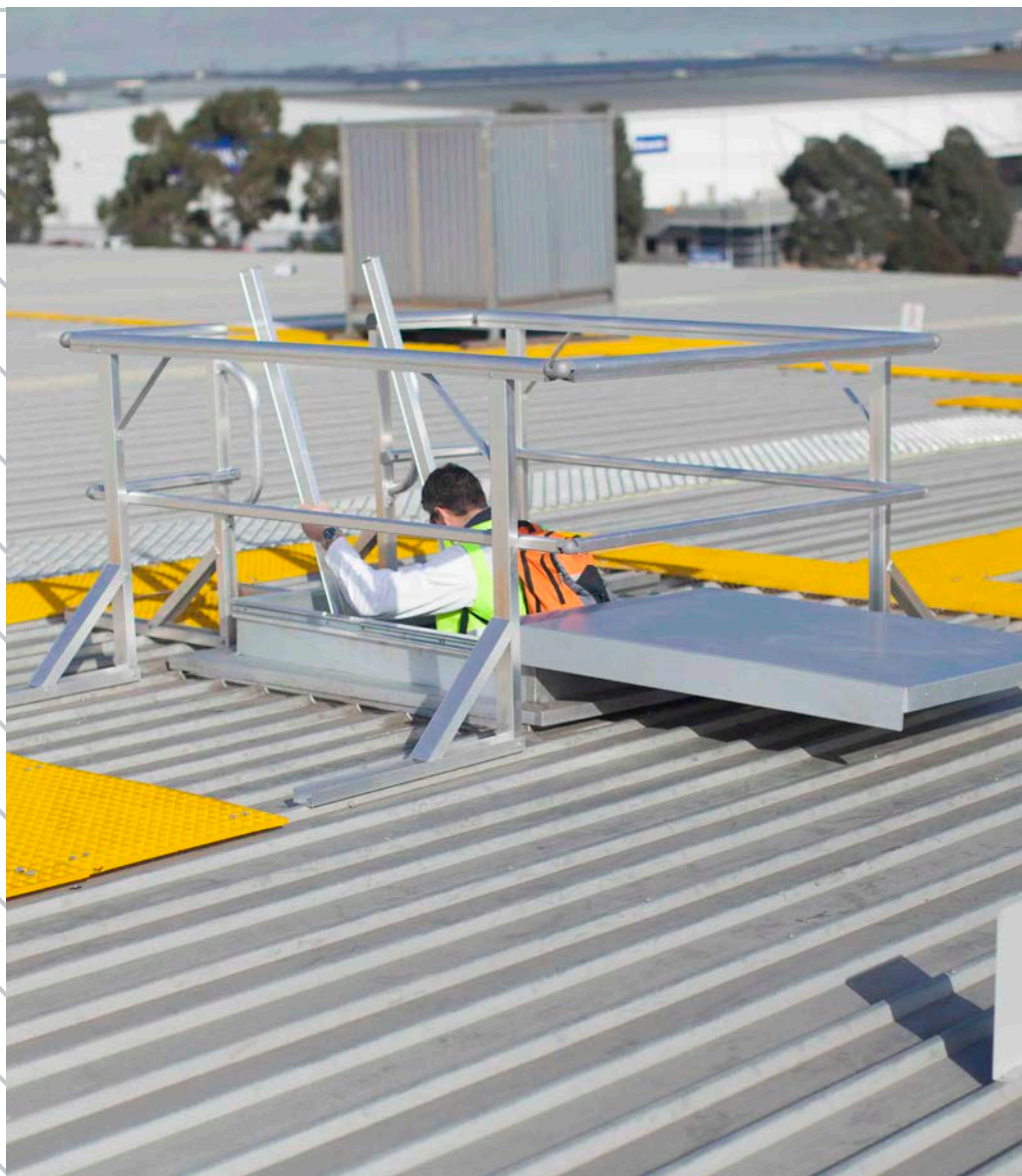


INSTALLATION MANUAL

ROOF ACCESS HATCHES

LD490



Kattsafe's roof access hatches are uniquely designed to provide safe and easy access for personnel and equipment from inside the building in either a hinged or sliding door configuration.



Product brochure
Roof access hatches



Installation manual
Roof access hatches

Find all related products and resources on our website
kattsafe.com.au

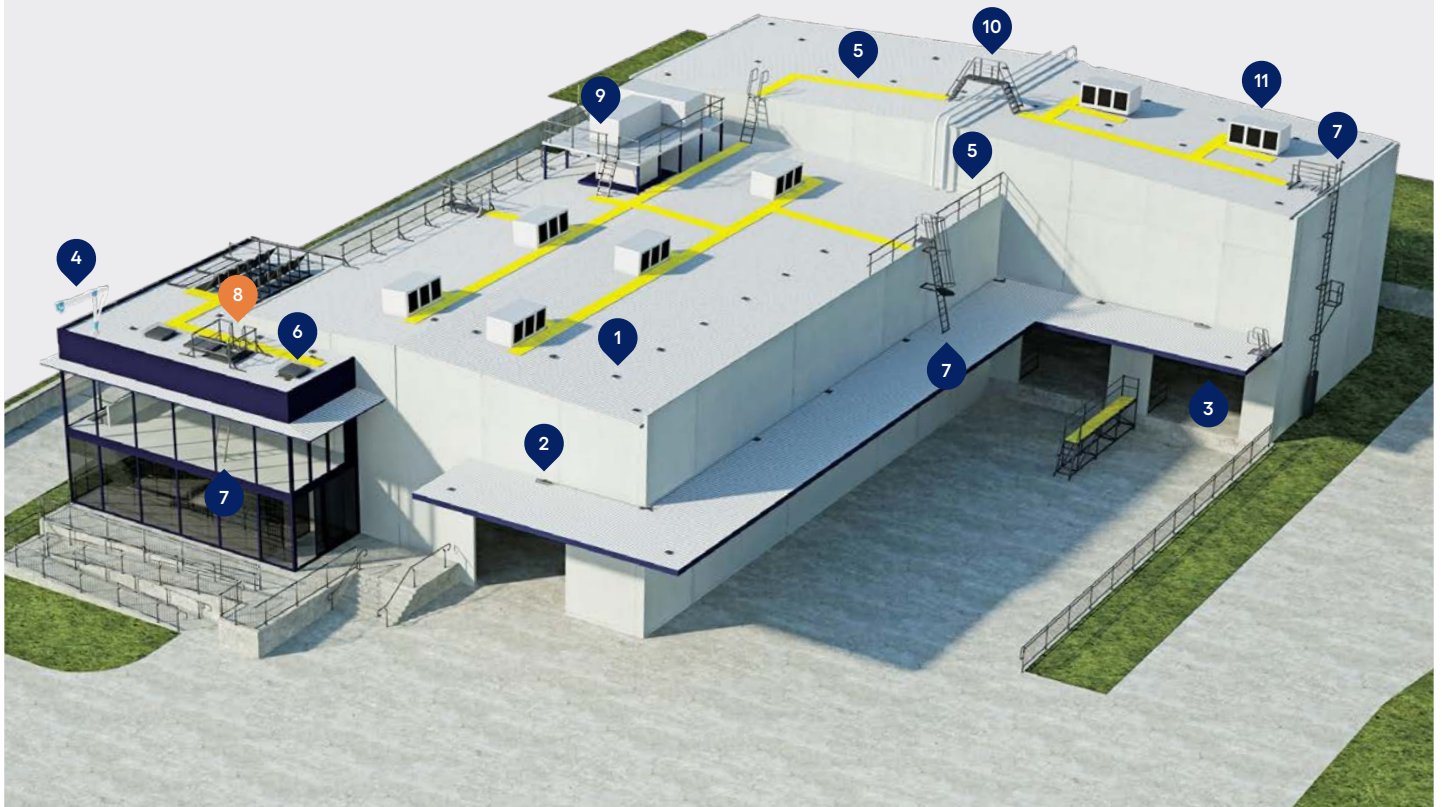
Commercial building height access and fall protection requirements

Kattsafe leads the industry in the design, installation and management of access and fall protection safety systems.

The in-action model demonstrates access and fall protection requirements for a commercial building design. Kattsafe recommendations fulfill current workplace requirements for the safety of building maintenance subcontractors, employees and the general public.

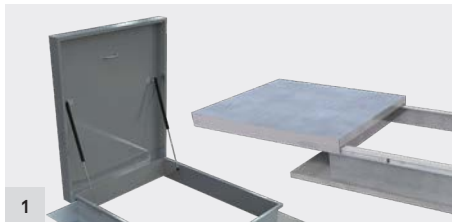
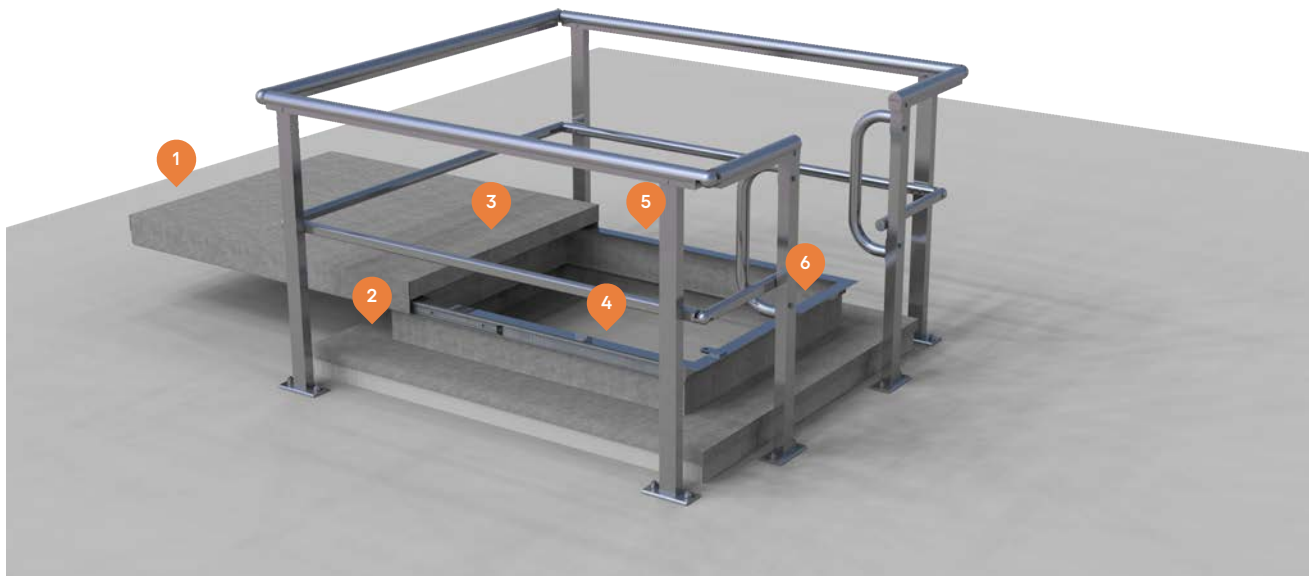
For more information please contact Kattsafe.
kattsafe.com.au

- 1 Anchor points
- 2 Static lines
- 3 Rigid rail
- 4 Davits and needles
- 5 Guardrail and walkway
- 6 Skylight protectors
- 7 Rung ladders
- 8 **Roof access hatches**
- 9 Platforms and stairs
- 10 Step ladders
- 11 HVAC platforms



ROOF ACCESS HATCHES

Manufactured as prefabricated units, Kattsafe roof access hatches are lightweight, robust, easy to install and include internal locking facilities.



Two door configurations

The roof access hatch comes in either sliding or hinged door access, to suit different size requirements.



Flashing options

The roof access hatch has multiple flashing options to suit either tray deck or corrugated deck roof types.



Construction

Manufactured with an aluminium frame and zincalume shell, proving corrosion resistance and improving the products longevity.



Weatherproof

The insulated double skin limits noise and thermal transfer, and the EPDM weatherproof seal provides protection from the elements.



Easy to operate

Designed with precision steel bearing slides and gus strut assist, making use and operation easy.



Locking function

Includes a one hand operated push lock with keys to secure the hatch when not in use.

INSTALLATION REQUIREMENTS

Must be read prior to installation

1. This system must only be installed by competent persons trained in the selection, use and maintenance of fall arrest systems who hold a current Kattsafe approved installer certificate.
2. Persons installing this system are required to have a comprehensive knowledge of the Australian Standards, codes of practice and industry guidelines that relate to the selection, use and maintenance of access and fall protection systems and equipment.
3. Integrity and suitability of the structure to which this system is attached must be approved by a structural engineer unless it is clear to a competent person as to the suitability of connection to structure.
4. Read installation and operating instructions carefully before commencing any work. Consent to deviate from the installation guide must be obtained in writing from the manufacturer.
5. Conduct an initial work/risk assessment, and take all reasonable precautions to eliminate or control potential hazards and risks during the installation of this product.
6. Complete all necessary OH&S documentation, including a Job Safety Analysis and Work Method Statement and obtain consent from responsible person in workplace prior to commencement of work.
7. Installers must be authorised and accredited by Kattsafe and possess valid industry licenses, be appropriately trained, and comply with all relevant OH&S legislation prior to installation of this product.
8. Do not modify or remove any element of the support structure without prior authorisation by a qualified engineer.
9. Decorative coatings and coverings must be removed to ensure correct evaluation of structure prior to attachment of system
10. Any re-routing of electrical and/or other services must be carried out by qualified or authorised personnel.
11. Appropriate temporary access and safety equipment must be used during installation, such as platform ladders or scaffolding and fall protection anchorage points.
12. In case of emergency access and fall protection systems must be installed by a minimum of two persons.
13. Do not tamper with, modify or remove any part this system unless authorised by the manufacturer.
14. Appropriate labels or markings must be attached to each system and include the following:
 - System for personnel use only
 - Service entry date
 - Next examination/service due date
 - Harness gear requirements and system compatibility
 - Maximum designed load ratings
 - Installer/Certifier contact details
15. Documentation confirming correct use and maintenance of the system and equipment must be provided to the workplace manager on completion of installation.



Kattsafe recommends that persons using fall arrest systems do not work alone in case of an emergency and help is required.

Should any part of the system/equipment have been subjected to abnormal loading, use must be discontinued until replaced/recertified by a competent height safety inspector.

SYSTEM LIMITATIONS

Must be read prior to installation

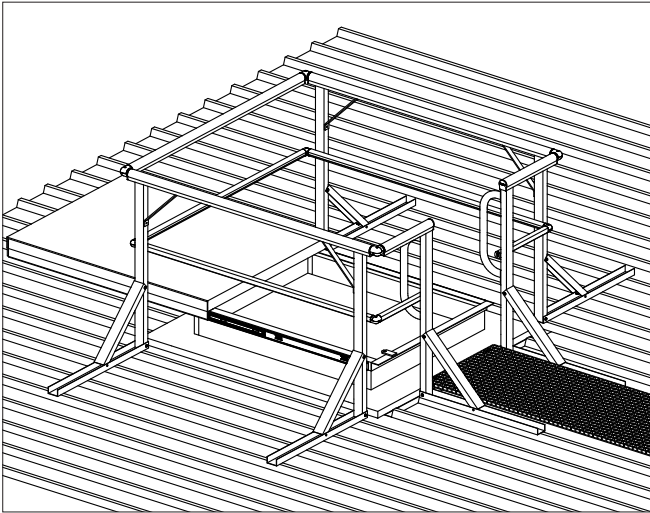
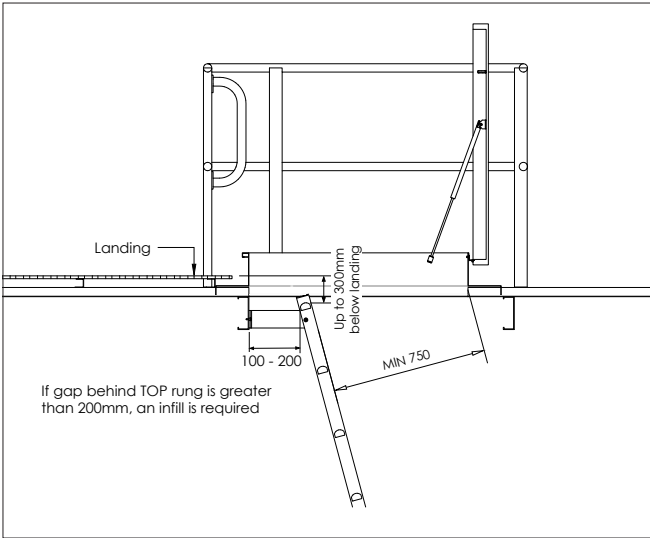
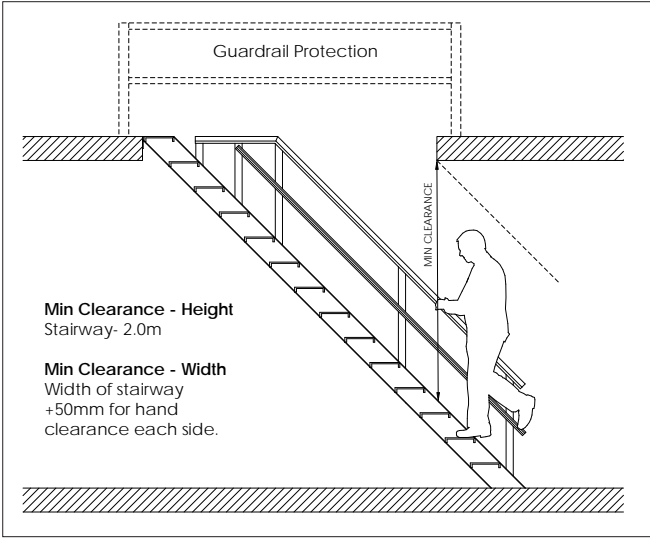
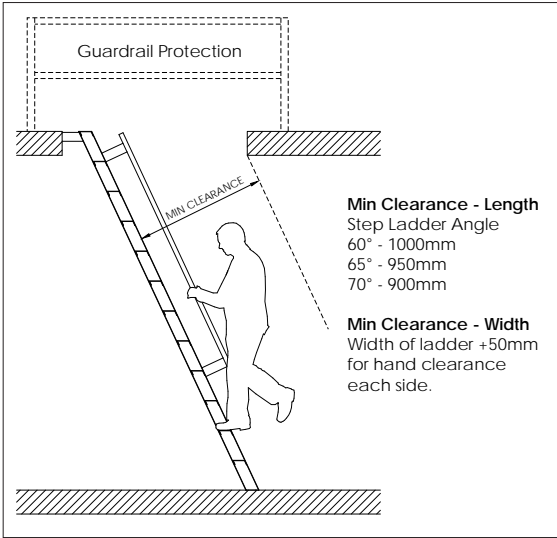
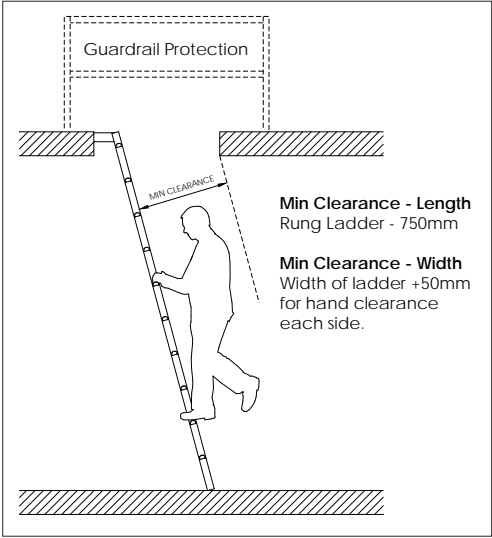
1. All roof access hatches must be installed by registered licensed plumber who is accredited to do the work.
2. Installation of the roof hatch must be done safely and in accordance with workplace safe work practises and statutory regulations.
3. The roof access hatch is not rated for cyclonic conditions. If installed in these situations, additional locking features must be provided by the installer.
4. The roof access hatch must not be left open in windy conditions as damage can occur to the struts.
5. All access through horizontal openings must be done safely and according to Australian standards and codes of compliance.
6. Do not tamper with or make alterations to the system components without manufacturers consent.
7. The system is not to be used for tethering or lifting machinery or equipment.



Kattsafe recommends that persons using fall arrest systems do not work alone in case of an emergency and help is required.

Should any part of the system/equipment have been subjected to abnormal loading, use must be discontinued until replaced/recertified by a competent height safety inspector.

AUSTRALIAN STANDARDS SUMMARY

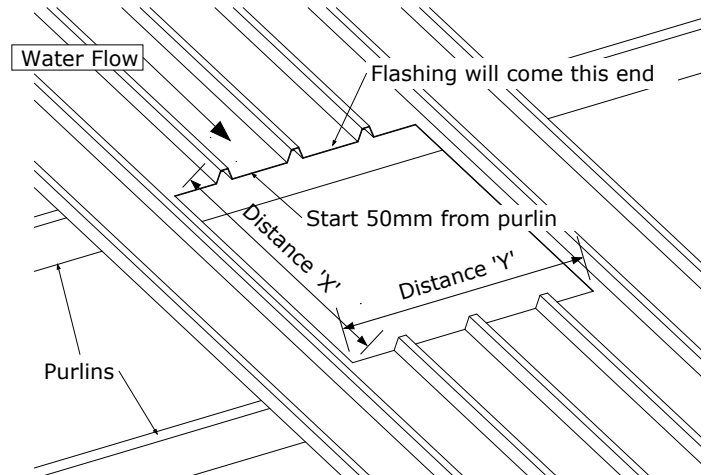


HINGED ROOF ACCESS HATCH INSTALLATION PROCEDURE

Step 1

Cut hole into roof sheet ensuring that the side which the person will be existing is near to a purlin. (Start approx 50mm from purlin and work back.)

- Distance 'X' - Should be same size as hatch opening size.
- Distance 'Y' - Should be same size as hatch opening size.

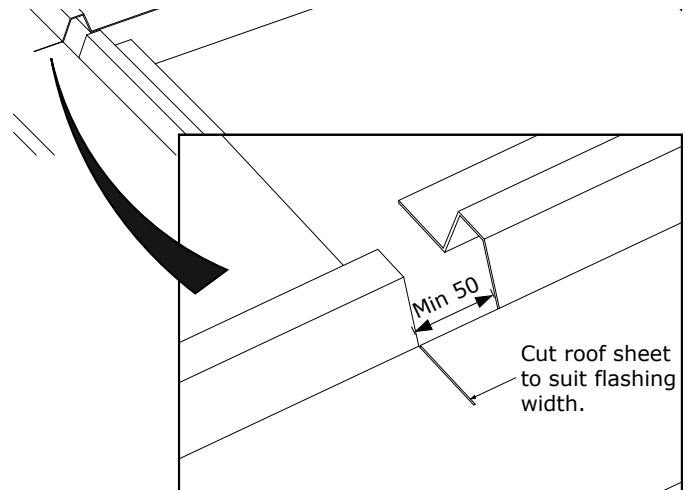


Step 2

At the end, where the flashing is to be fitted, cut slots in roof sheet to allow water to flow around hole opening. (see next step)

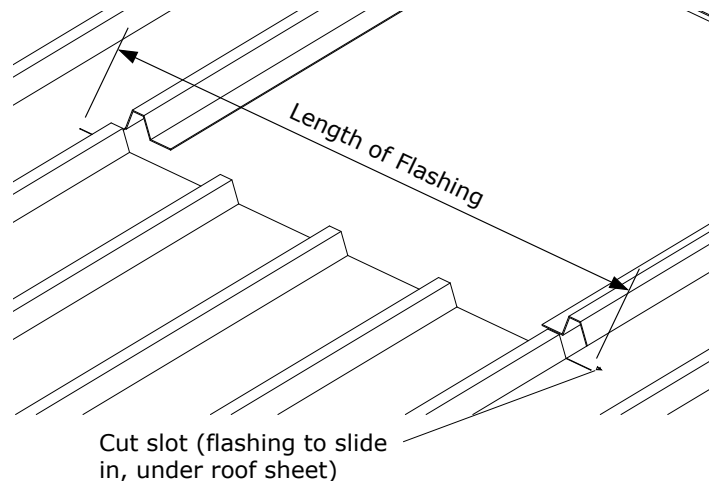


State regulations may require a complete back flashing.
Ensure installation is done by a licensed trade.



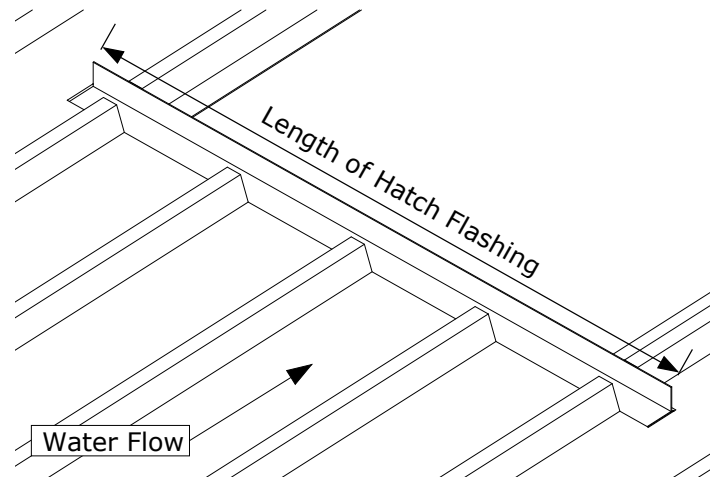
Step 3

Flashing must be fitted such that the water will flow outside the main opening.



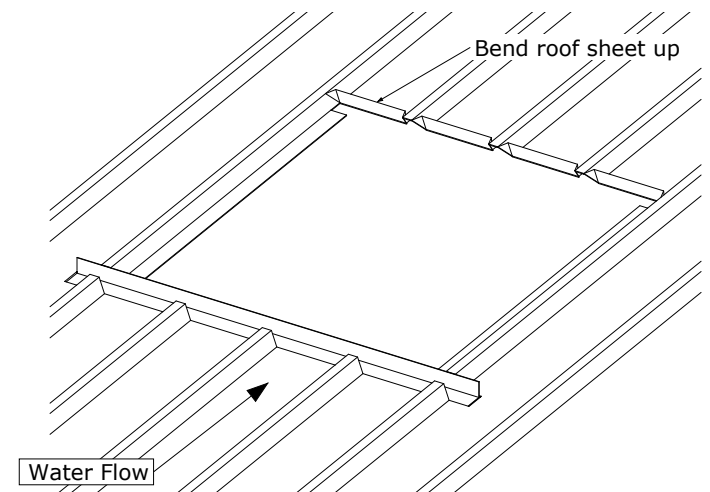
Step 4

- Fit flashing into position and rivet into position.
- Seal off any penetrations with silicone.



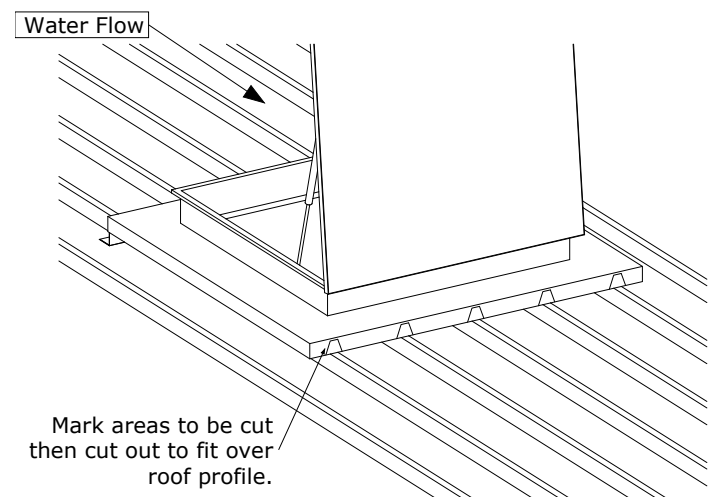
Step 5

Lower end of roof sheet must have the 'trays' bent up to prevent water back-flow.



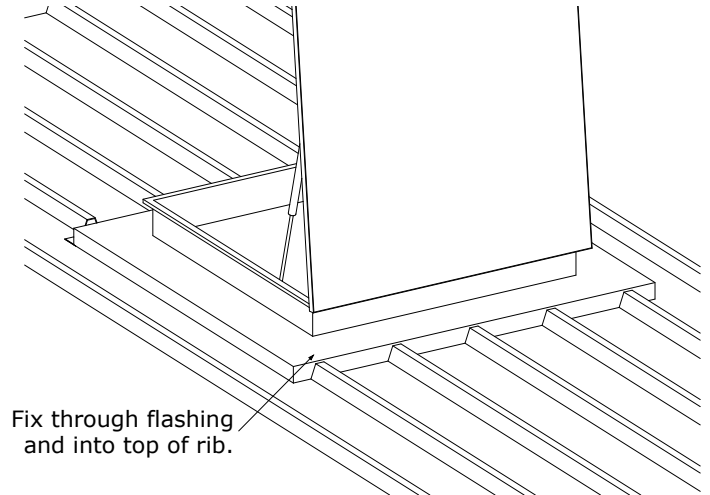
Step 6

The roof access hatch can now be placed into position. Mark the flashing for the cut outs. (follow roof profile) Cut these sections out.



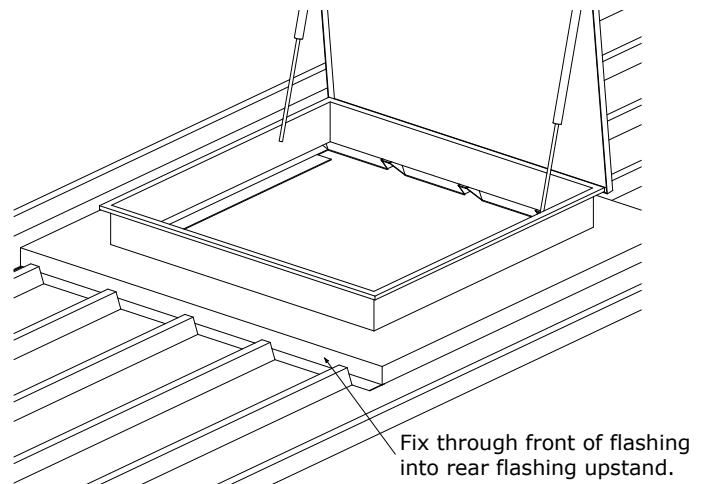
Step 7

- The roof access hatch can now be placed into position and fixed down using pop rivets.
- All penetrations should then be sealed using silicone or Sika Flex.



Step 8

Lower end of roof sheet must have the 'trays' bent up to prevent water back-flow.

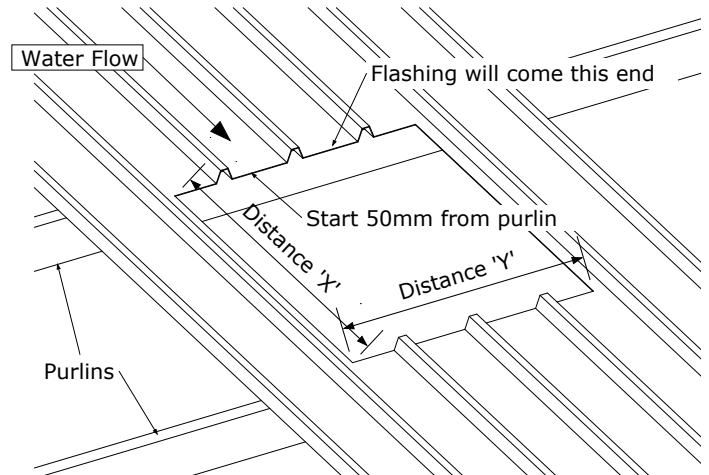


SLIDING ROOF ACCESS HATCH INSTALLATION PROCEDURE

Step 1

Cut hole into roof sheet ensuring that the side which the person will be existing is near to a purlin. (Start approx 50mm from purlin and work back.)

- Distance 'X' - Should be same size as hatch opening size.
- Distance 'Y' - Should be same size as hatch opening size.

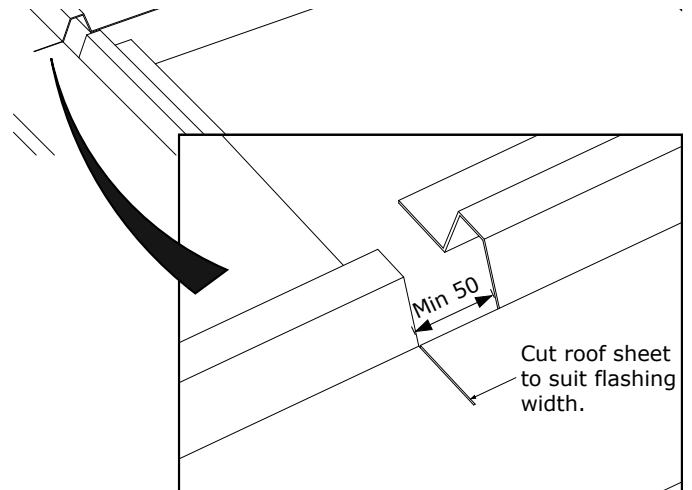


Step 2

At the end, where the flashing is to be fitted, cut slots in roof sheet to allow water to flow around hole opening. (see next step)

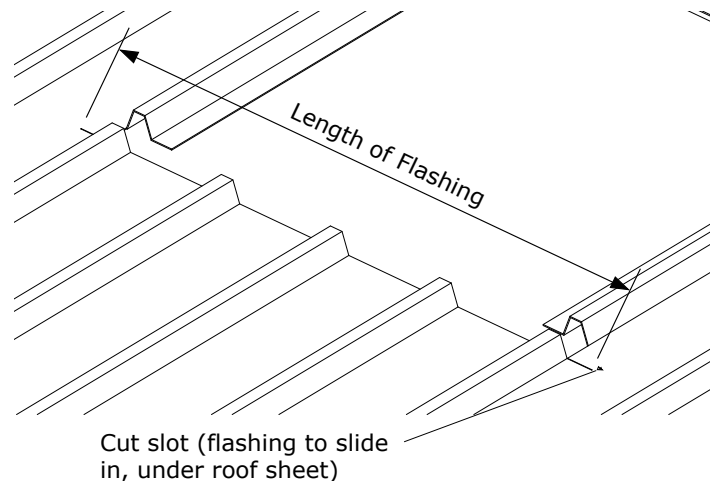


State regulations may require a complete back flashing.
Ensure installation is done by a licensed trade.



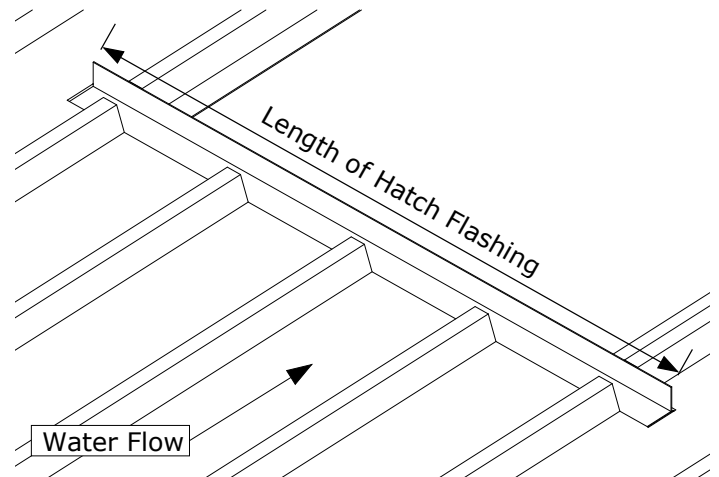
Step 3

Flashing must be fitted such that the water will flow outside the main opening.



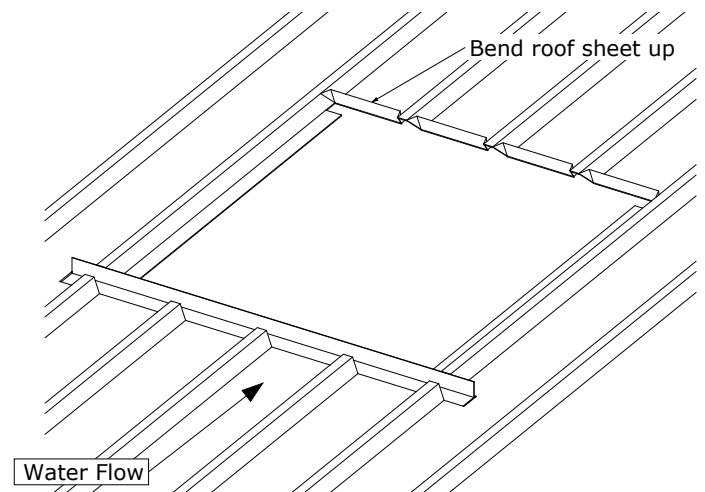
Step 4

- Fit flashing into position and rivet into position.
- Seal off any penetrations with silicone.



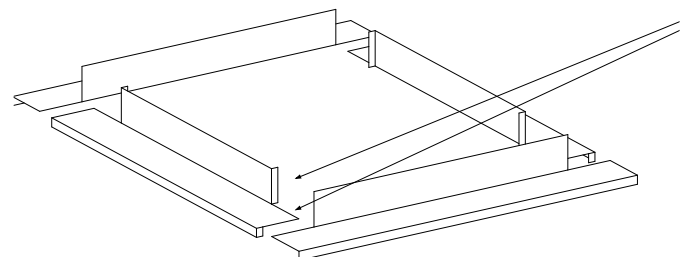
Step 5

Lower end of roof sheet must have the 'trays' bent up to prevent water back-flow.



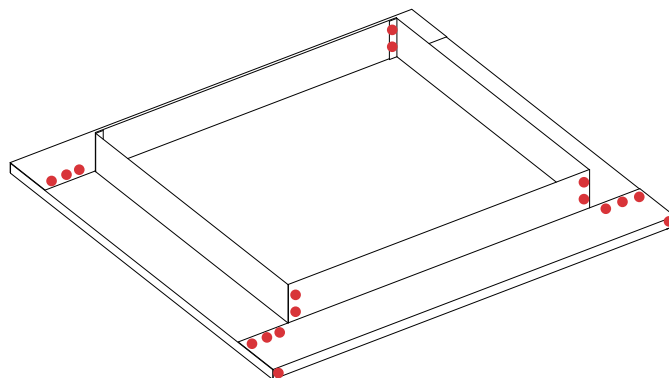
Step 6

Flashing kit can now be put together. Apply a liberal amount of silicone between joints



Step 7

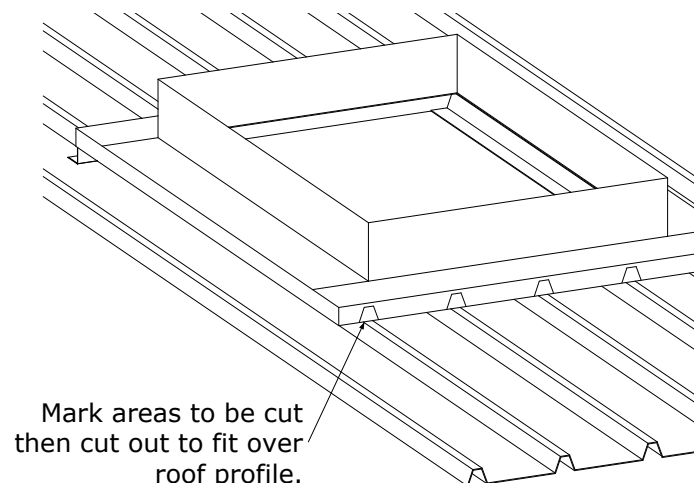
Flashing can now be riveted together. Apply more silicone over rivets if need be.



Rivet in areas marked with • on all 4 corners

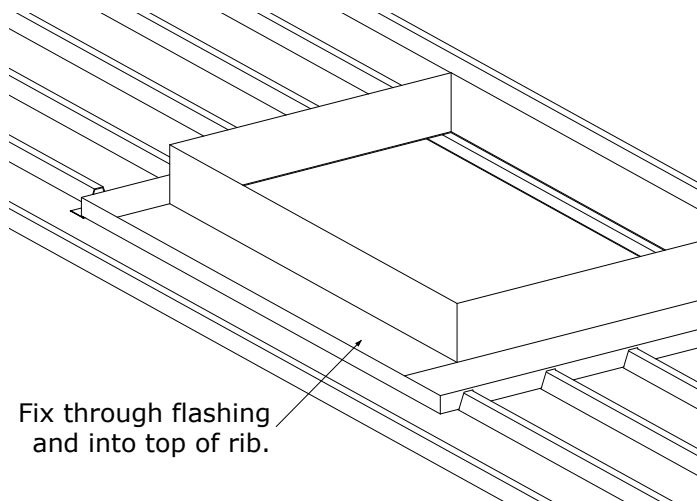
Step 8

- The roof access hatch main flashing can now be placed into position.
- Mark the flashing for the cut outs. (Follow roof profile) Cut these sections out.



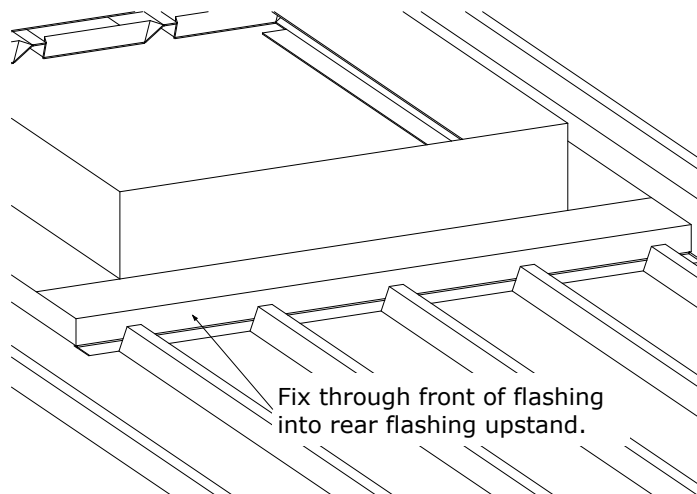
Step 9

Flashing kit can now be put together. Apply a liberal amount of silicone between joints



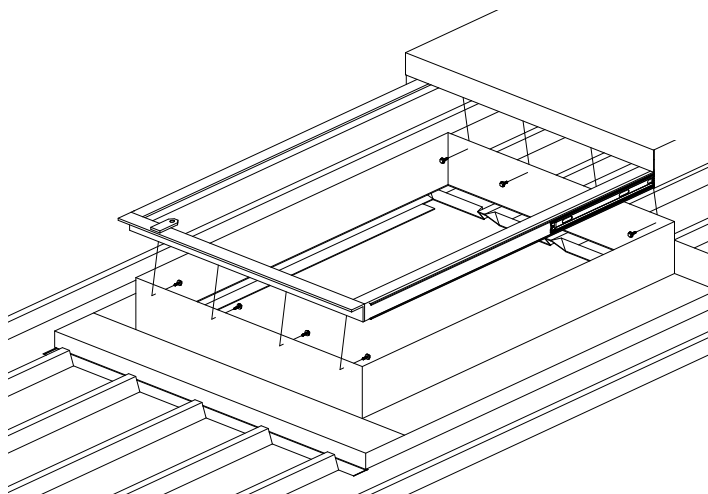
Step 10

Fix front of hatch through front of flashing and into rear flashing up stand using rivets.



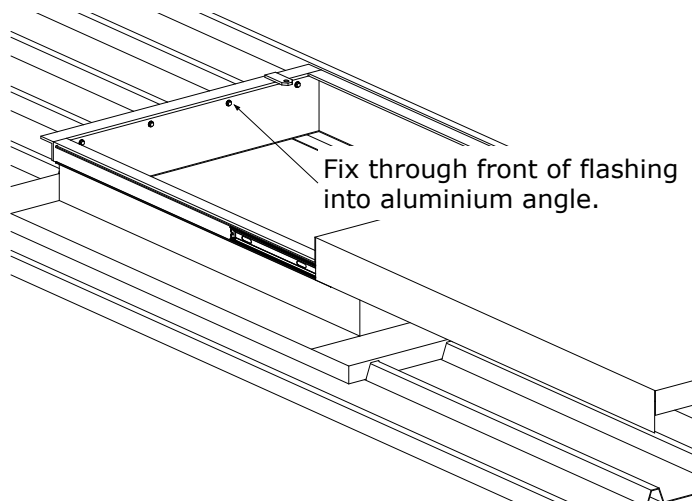
Step 11

- Sliding Hatch can now be placed over flashing and fixed into position.
- All penetrations should then be sealed using silicone or Sika Flex.



Step 12

- Fix using 20mm Tek screws as shown.
- The hatch is now ready for use



SYSTEM MAINTENANCE

Must be read prior to checklist


1. The hatch system needs to be checked and recertified by competent persons every 12 months for non corrosive environments or 6 monthly for corrosive or harsh environments. (To be determined by competent person depending on severity of surrounding conditions.)
2. Roofing structure must be sound and any signs of break down must be assessed by a structural engineer or competent person as to suitability.
3. Harness gear and equipment must be maintained and stored in a dry, protected area, away from acids and ultra violet rays which cause material fibres to break down and reduce their safety and life expectancy.
4. Any deterioration or damage to the system or equipment must be reported to person in control of the workplace and relevant corrective action undertaken.
5. Maintenance inspections must be clearly documented. Any non-conformance must be clearly identified and tagged 'Do Not Use' until corrective action by a competent person has been completed.

MAINTENANCE CHECKLIST

The checklist below outlines key checking criteria required to ensure the safe use of this system. Any item of concern not shown on the checklist must be noted on the maintenance report and brought to the attention of the workplace manager.

Items ticked PASS - YES means they conform with the required checking criteria and are suitable for normal use until the next recertification date. System data plates must be updated showing current check date and next check date.

Item ticked PASS - NO means they do not conform to the required checking criteria. These items must be clearly tagged ' Do Not Use' and the required corrective actions put in place. The maintenance report must clearly document all non-conforming criteria.



This system must be maintained by a competent height safety inspector trained in the safe use and maintenance of this system.

Component	Inspection criteria	Pass Y/N	Corrective action	Completion date
Roof	Roof structure secure			
	Area around hatch clean and free of debris			
Moving parts	Sliding function clean and lubricated			
	Hinged fully functioning and clean			

TECHNICAL SPECIFICATION

Roof access hatches

System design, supply, layout, installation and certification by a registered roof plumber and a Kattsafe accredited installer, as per the manufacturer's installation instructions and current standards.

Materials

- Zincalume sheet metal
- Aluminium frame construction

Dimensions

Hatch type	Opening clearance (mm)	Length (mm)	Width (mm)	Height (mm)
LD494T	1000 x 800	1305	1105	230
LD494C	1000 x 800	1365	1165	170
LD497.1000	1000 x 722	1400	1200	
LD498.1200	1200 x 920	1600	1400	
LD499.1500	1400 x 920	1900	1400	

Weight

24kg

Compliance

Roof access hatches are designed to conform with requirements of the Australian Standards AS 1657:2018 fixed platforms, walkways, stairways and ladders, design, construction and installation and relevant codes of practices and guidelines.

Product warranty

1 year from date of purchase subject to correct installation. Use and maintenance to be in accordance with manufacturer's specifications and recommendations.

Inspection and maintenance

Inspection and certification required every 12 months by competent person in accordance with manufacturer's specifications and requirements of Australian Standard AS/NZS 1891 and AS/NZS 5532.

Important note

- To install roof access hatches, installers must hold a valid industry roof plumbing license.
- Installation and equipment must be provided by a registered roof plumber installing the system.
- See roof access hatch guardrail kit on kattsafe.com.au for necessary guardrail protection around the hatch.

WARRANTY INFORMATION

Warranty period on this system:
1 year from date of purchase

Should you have a warranty claim as a result of a defect the following procedure must be followed:

Identify the following information:

- The product/system name and code number.
- The date of purchase/installation.
- Installation company details.
- The installation identification number.
- The name of the company using this system.
- A description of the defect/warranty claim.
- The periodic system maintenance report.

Forward the above information to sales@kattsafe.com.au or contact technical helpline, 1300 301 755.

Terms and conditions

All warranty claims must be made in writing within 14 days of the appearance of the defect.

Incorrect installation or work done by a non accredited Kattsafe system installer will void all warranty rights.

Systems that have been installed using non proprietary equipment will void all warranties.

System roof/cladding and concrete penetration seals are not covered in this warranty.

Systems/components that have not been maintained in accordance with manufacturer's/legislative requirements will void warranty.

Systems used by incompetent persons or use with non compatible accessories ie. harness gear, lanyards, travellers, fall arrestors etc. will void warranty.

Systems/components used for purposes other than their intended use will void warranty.

General wear and tear is expected and will depend on the frequency of use and is not covered by warranty.



Product brochure
Roof access hatch



Installation manual
Roof access hatch



QMS Certification
ISO 9001:2015

Find all related products and resources on our website.
kattsafe.com.au

Kattsafe

Height access
and fall protection

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