

Solatube[®] HSE Skylight Shade

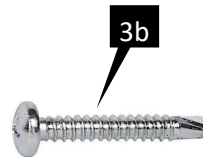
Installation Instructions



| Parts List | | Quantity |
|------------|----------------------------------|----------|
| 1 | HSE Skylight Shade | (1) |
| 2 | Shade Pole | (1) |
| Fasteners | | |
| 3 | a. Bumper | (4) |
| | b. Screw - #6 X 5/8 in (15.8 mm) | (4) |

Required Tools:

| |
|------------------------------|
| Hammer |
| PVC Cutting Tool |
| Utility Knife |
| Tape Measure |
| Screw Gun with Phillips Head |
| Glass Suction Cup |
| Tin Snips |
| Required Safety Equipment |



Scan the QR Code for Digital Version



WARNING



Do not proceed with the installation until you have read the entire instructions, including these warnings. Use of materials or methods not authorized by Solatube International will result in an invalid warranty.

Solatube International, Inc. (seller) assumes no responsibility or obligation whatsoever for the failure of an architect, contractor, installer, or building owner to comply with all applicable laws, ordinances, building codes, electrical codes, energy codes, fire and safety codes and requirements, roof warranties and adequate safety precautions. Installation of this product should be attempted only by individuals skilled in the use of the tools and equipment necessary for installation. Protect yourself and all persons and property during installation. If you have any doubt concerning your competence or expertise, consult a qualified expert before proceeding.



Install at your own risk!

Solatube product installations may be dangerous and include the potential for death, personal injury and property damage. The hazardous conditions include but are not limited to the following:

- **Use extreme caution when working around the roof opening to prevent falling and personal injury.**
- **The weight of skylights varies, therefore transportation and installation of the skylight to the installation location should be conducted with as many people as necessary to avoid accidents. Ensure proper lifting techniques are used at all times.**
- Solatube products may have sharp edges. Always wear leather or canvas gloves while handling and installing products.
- Solatube product installations require climbing and working at dangerous heights, including on ladders, scaffolding, roofs and in attic spaces. Risk of death, personal injury and property damage may result from a fall, or from falling objects. Use extreme caution to minimize risk of accidental injury, including, but not limited to the following procedures:
 - Clear area below your work space of all people, animals and other items.
 - Avoid working on surfaces that are slippery or wet.
 - Use foot-wear with excellent traction.
 - Use only strong, well supported ladders.
 - Work only in calm dry weather.
 - If attic work is necessary, ensure that your weight is supported at all times with structurally sound framing; drywall material is not designed to carry a person's weight.
- To reduce the risk of fire, electric shock, and personal injury, basic safety precautions should always be followed when using electric tools, including always wearing safety goggles or other suitable eye protection, and ensuring work area is clear of all electrical wires, gas pipes, water pipes, and other obstacles.
- When working in the attic or other dusty areas, use of a mask or respirator is recommended to avoid lung irritation. Attic spaces may be dark, confined, and subject to extreme temperatures. Beware of sharp protruding objects. Do not attempt installation without having someone within range of your voice or close enough to come to your aid if necessary.
- Solatube products are not designed to withstand the weight of a person, tools or other objects. Walking or placing objects on the system could cause personal injury and property damage. If the product is damaged, the structural capacity may be weakened; therefore the system should be repaired immediately. For safe installation and use, do not deviate from these installation instructions.
- Please note that interior surfaces and finishes in older homes may have been painted with lead-based paint. Removal of the skylight could disrupt the paint. Use proper precautions to minimize the exposure of dust and debris when removing and installing skylights.
For more information of proper removal of lead paint please visit www.epa.gov/lead.
- Ensure roof curb and water proofing is in good condition before installing skylights. If curb and or water proofing is compromised, it will be necessary to repair or replace. All roof work and repairs should be conducted by individuals skilled in roofing practices or a licensed roofer.

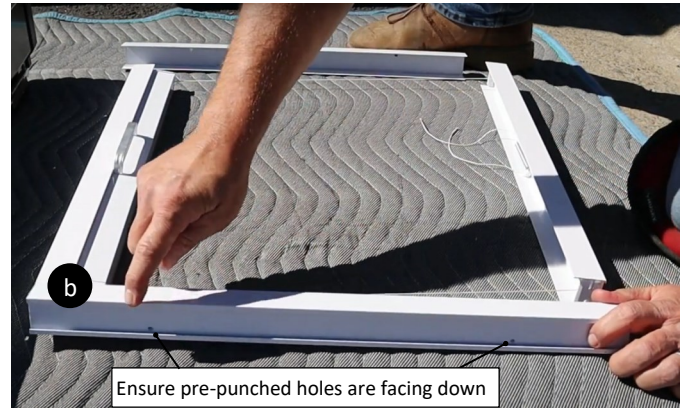
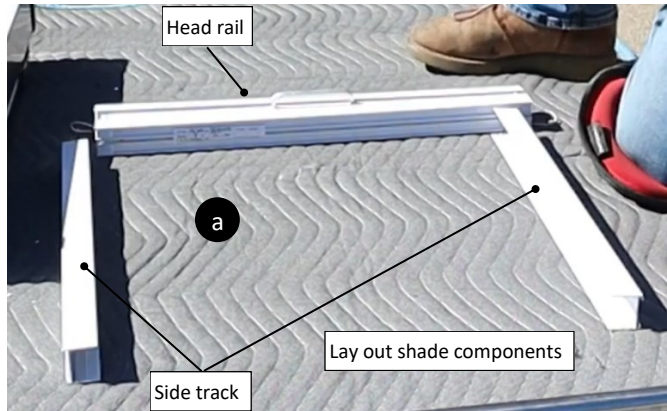


WARNING: Prolonged Use of Skylight Shade May Cause Damage.

Keeping your skylight shade closed for extended periods of time can trap heat and moisture, which may cause damage to the skylight frame. Over time, this can lead to warping or bending of the frame, compromising both the structural integrity and proper sealing of your skylight. To prevent potential damage it is recommended to open your skylight shade regularly to allow for ventilation and avoid excess build up of heat or moisture. Also, leaving your shade open when leaving your home for extended periods of time, like vacations, will help prevent damage.

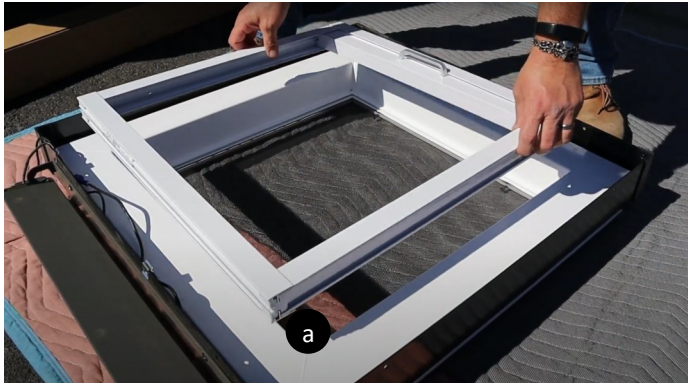
1

Assemble Skylight Shade



2

Install Assembled Skylight Shade into Operable Base



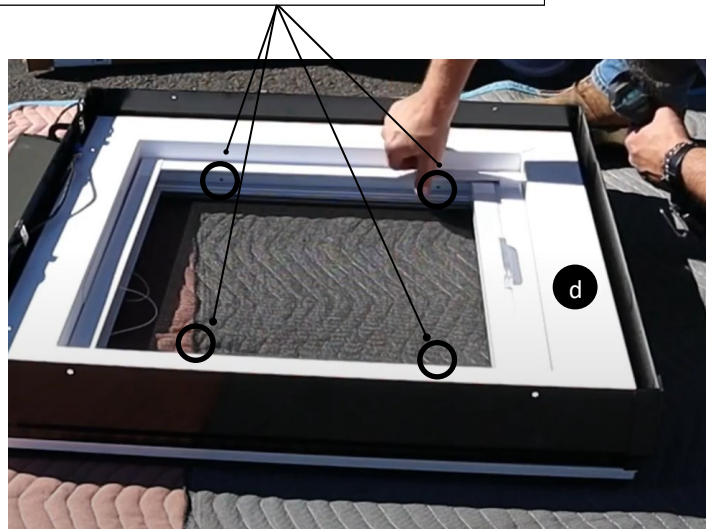
For best operation, ensure shade handle is installed on the upslope



Ensure screw fastener is installed straight.



Fasten shade to operable base with four (4) provided screws

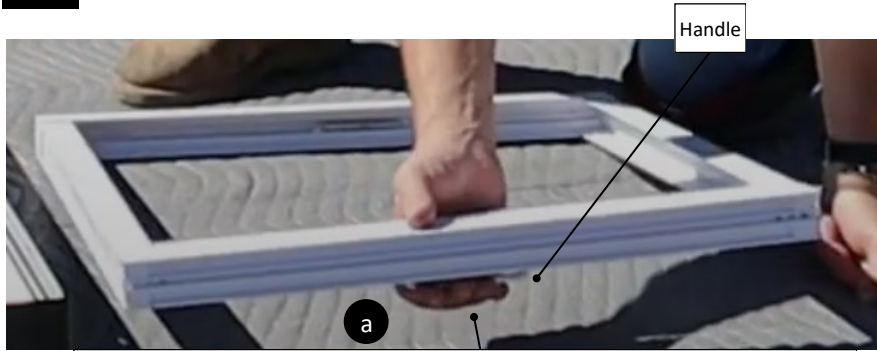


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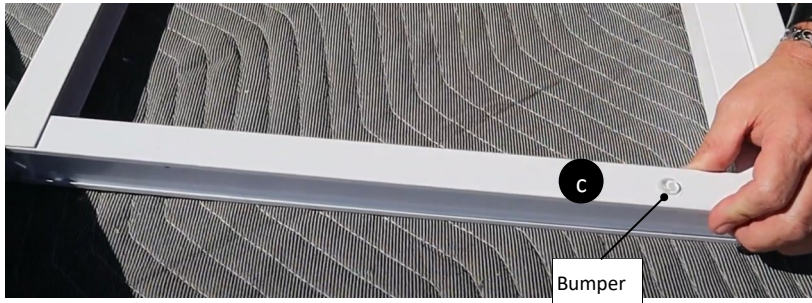
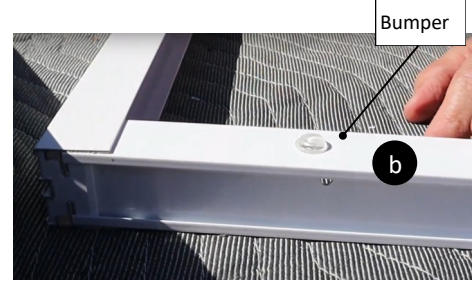
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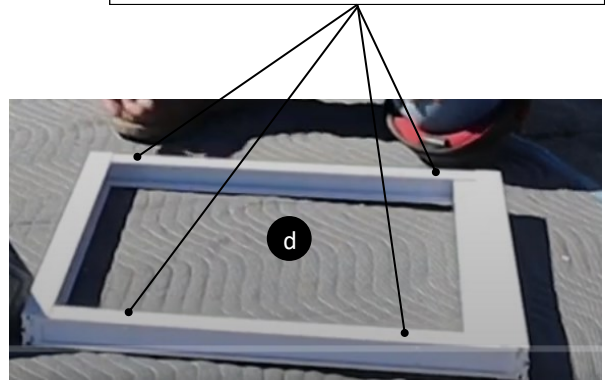
Apply Bumpers to Skylight Shade for installation on Fixed Skylight.



Turn assembled shade over so that the handle is facing down prior to installing bumpers



Apply bumpers above each pre drilled fastening hole



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Install Skylight Shade into Fixed Skylight



Insert assembled shade into fixed skylight

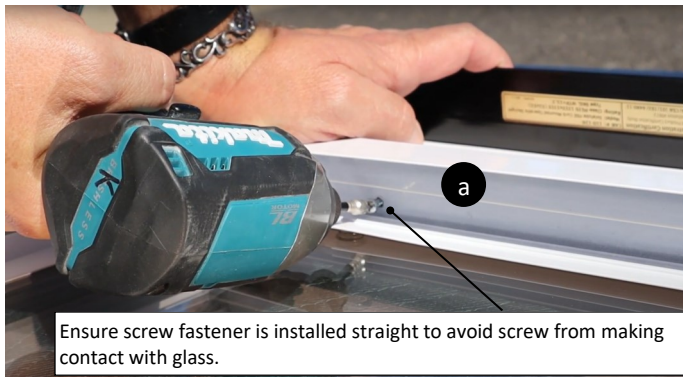


Press down on corners to ensure shade is fully engaged

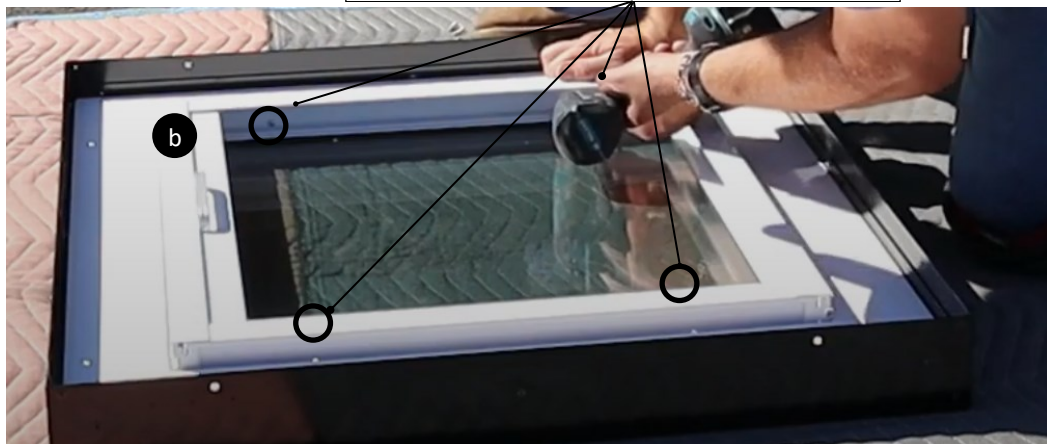


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Fasten Skylight Shade to Fixed Skylight

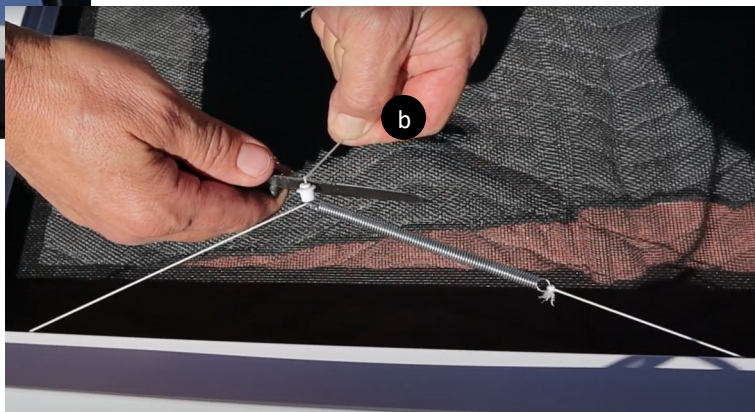
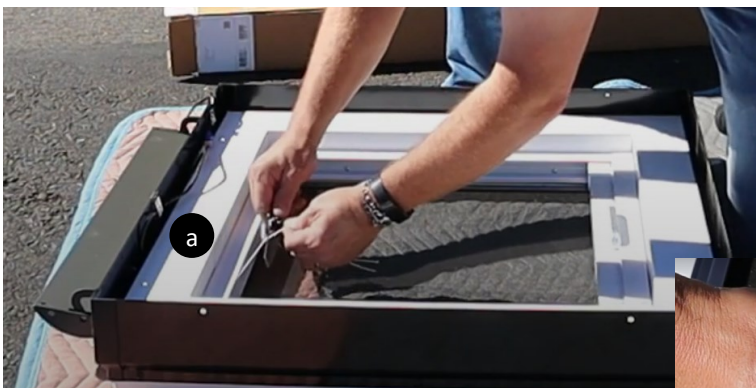


Fasten shade with four (4) provided screws



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Cut Excess String



The skylight is ready for installation. To install skylight please refer to Solatube HSE Skylight Installation Instructions (P/N: 952620) at www.solatube.com

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The following Steps are Installation of Fixed Skylights Only
 Determine if curb is to be raised.



Measure inside dimension of skylight chase to determine if the curb will need to be raised.
 In the example below, the skylight being installed is a SL2828.

Chase Inside Dimensions
 20-1/4"
 20-1/4"



| Skylight O.D | Shade O.D | O.D. Curb RANGE (Min) | O.D. Curb RANGE (Max) | SIZE |
|--------------|-----------|-----------------------|-----------------------|------|
| 20 1/8 | 13 3/8 | 16 3/4 | 19 3/4 | 20 |
| 22 5/8 | 15 7/8 | 19 1/4 | 22 1/4 | 23 |
| 25 1/8 | 18 3/8 | 21 3/4 | 24 3/4 | 25 |
| 27 5/8 | 20 7/8 | 24 1/4 | 27 1/4 | 28 |
| 30 1/2 | 23 3/4 | 27 1/8 | 30 1/8 | 31 |
| 33 1/4 | 26 1/2 | 29 7/8 | 32 7/8 | 33 |
| 36 1/8 | 29 3/8 | 32 3/4 | 35 3/4 | 36 |
| 38 5/8 | 31 7/8 | 35 1/4 | 38 1/4 | 39 |
| 40 5/8 | 33 7/8 | 37 1/4 | 40 1/4 | 41 |
| 43 1/8 | 36 3/8 | 39 3/4 | 42 3/4 | 43 |
| 46 | 39 1/4 | 42 5/8 | 45 5/8 | 46 |
| 48 7/8 | 42 1/8 | 45 1/2 | 48 1/2 | 49 |
| 51 5/8 | 44 7/8 | 48 1/4 | 51 1/4 | 52 |

Review the chart size to find size 28.

Then find shade outside diameter 20 7/8 in.

The inside dimension of the skylight chase in this example measures 20 1/4 in.

Chase Inside Dimensions
 20-1/4"
 20-1/4"



| Skylight O.D | Shade O.D | O.D. Curb RANGE (Min) | O.D. Curb RANGE (Max) | SIZE |
|--------------|-----------|-----------------------|-----------------------|------|
| 20 1/8 | 13 3/8 | 16 3/4 | 19 3/4 | 20 |
| 22 5/8 | 15 7/8 | 19 1/4 | 22 1/4 | 23 |
| 25 1/8 | 18 3/8 | 21 3/4 | 24 3/4 | 25 |
| 27 5/8 | 20 7/8 | 24 1/4 | 27 1/4 | 28 |
| 30 1/2 | 23 3/4 | 27 1/8 | 30 1/8 | 31 |
| 33 1/4 | 26 1/2 | 29 7/8 | 32 7/8 | 33 |
| 36 1/8 | 29 3/8 | 32 3/4 | 35 3/4 | 36 |
| 38 5/8 | 31 7/8 | 35 1/4 | 38 1/4 | 39 |
| 40 5/8 | 33 7/8 | 37 1/4 | 40 1/4 | 41 |
| 43 1/8 | 36 3/8 | 39 3/4 | 42 3/4 | 43 |
| 46 | 39 1/4 | 42 5/8 | 45 5/8 | 46 |
| 48 7/8 | 42 1/8 | 45 1/2 | 48 1/2 | 49 |
| 51 5/8 | 44 7/8 | 48 1/4 | 51 1/4 | 52 |

If skylight chase is smaller than the shade outside diameter, the curb must be raised to accommodate the shade.

In this example, the skylight chase inside dimension is smaller than the shade outside dimension. In this case, the curb must be raised. See next page for instructions to raise the curb.

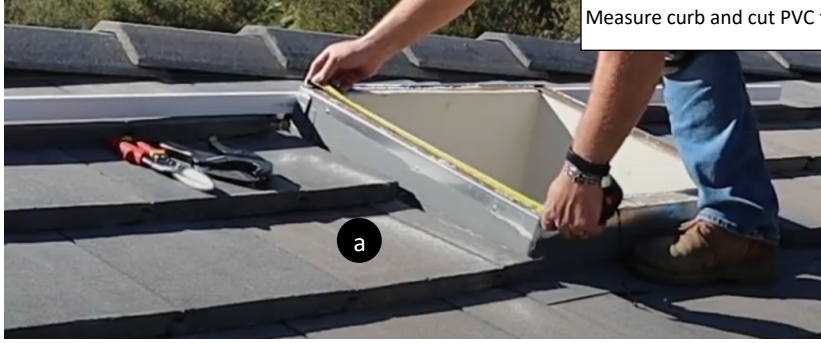
If the inside dimension of the skylight shaft is larger than the shade outside diameter then the curb does not need to be raised.

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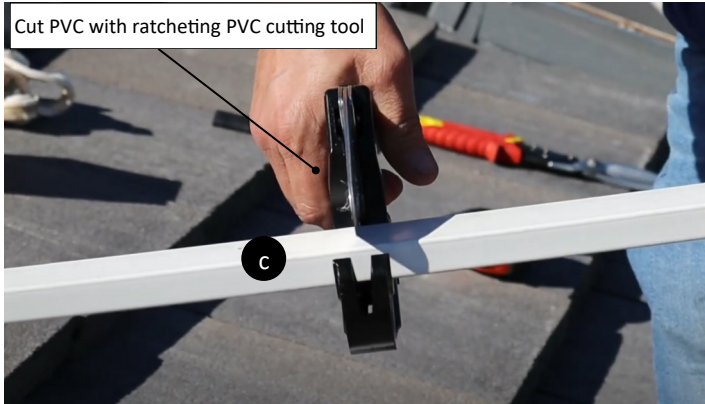
Raise Curb Height
Use 1 in x 2 in PVC (Not provided)

1 in. x 2 in. PVC

Measure curb and cut PVC to length



Cut PVC with ratcheting PVC cutting tool



Align PVC with outside edge of curb



Fasten PVC to curb with construction screws (Not provided)

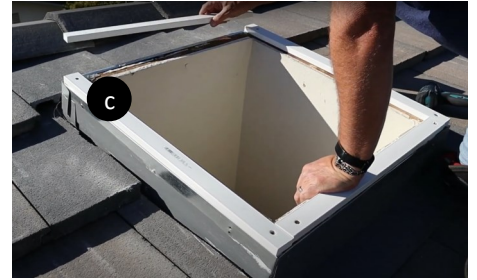


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Measure and Install Remaining PVC

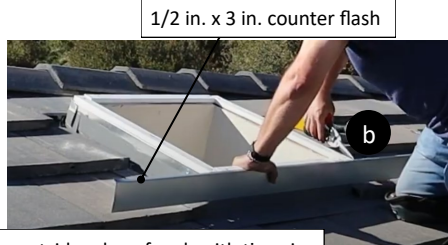


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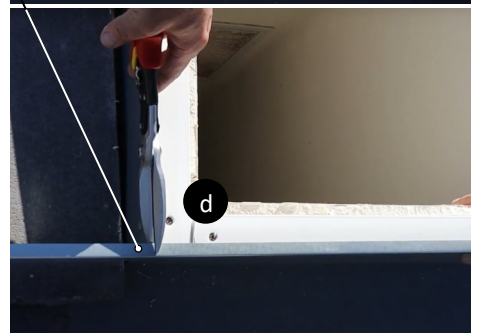
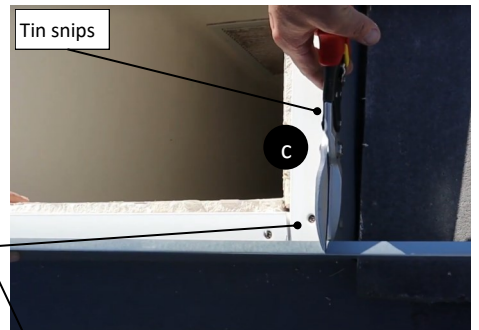
Install Counter Flashing

Use 1/2 in. x 3 in. counter flash (Not provided)

Some curb heights may vary. If curb height is shorter, use appropriate size counter flash to cover existing flashing.



Cut top edge of counter flashing along outside edge of curb with tin snips



Bend counter flashing towards curb



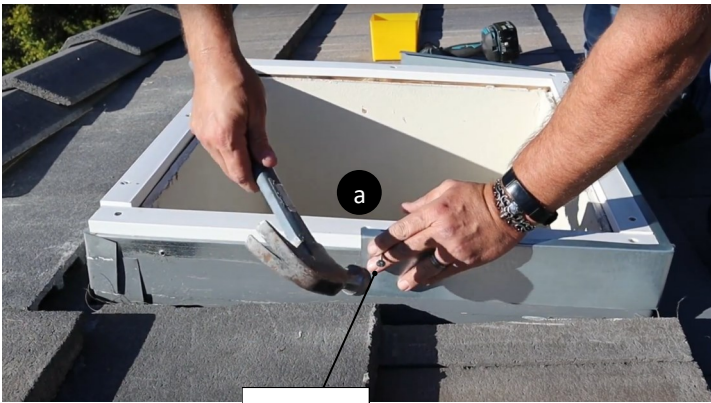
11

Form Counter Flashing Snug Around Bottom Section of Curb



12

Fasten Counter Flash to Curb
Fasten with minimum 1 in. roofing nail (Not provided)



1 in. roof nail



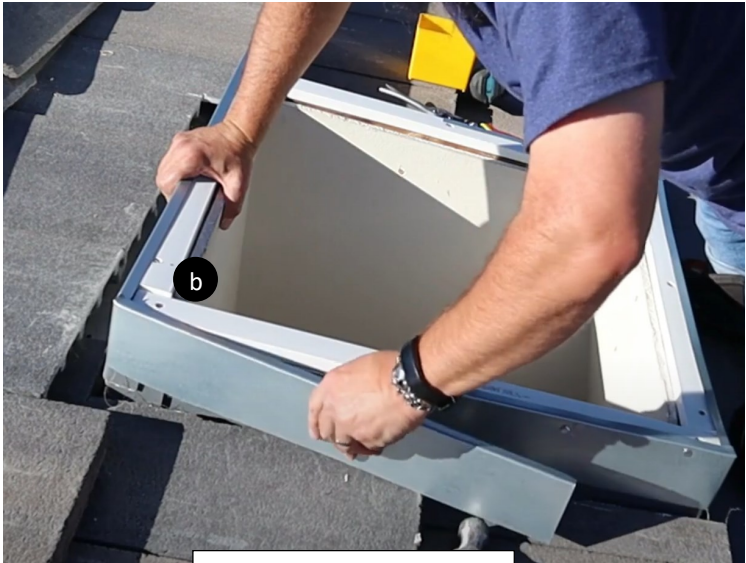
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Install Counter Flash on Top Half of Curb

Cut top edge of counter flashing along outside edge of curb with tin snips

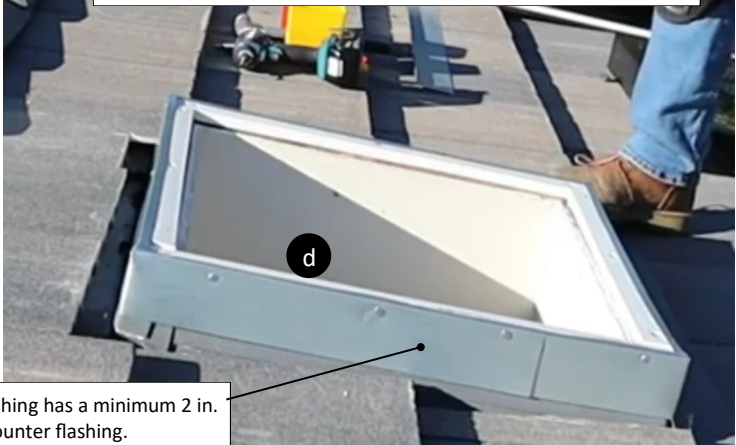


Bend counter flashing towards curb



Form counter flashing snug around top half of curb

Fasten counter flash to curb with minimum 1 in. roofing nails



Ensure top section of counter flashing has a minimum 2 in. overlap over bottom section of counter flashing.

The skylight is ready for installation. To install skylight please refer to Solatube HSE Skylight Installation Instructions (P/N: 952620) at www.solatube.com



Open / Close shade using shade pole

