

# HeavenScape™ Application Instructions for Vented Skylights

## Information Sheet

Updated: 11/04



*Quality You Can Trust Since 1886...  
From North America's Largest Roofing Manufacturer™*



# **STOP!!! PLEASE READ!!!**

**If you have any questions or are missing a part, please do not contact the retailer or wholesaler where you purchased this product.**

**Please call the GAF Contractor Services Department directly at 1-800-766-3411 ext. 5. Our trained staff will answer your question and expedite any parts you may need. THANK YOU!!!**

# **WARNING**

## **READ BEFORE YOU BEGIN INSTALLATION**

- 1) Installing skylights and other roof-top work is inherently dangerous. Use appropriate safety glasses, hard hats, restraints and other safety equipment when installing this product to avoid accidents.**
- 2) Use extreme caution when working around the roof opening. Failure to exercise extreme caution can lead to falls and injuries.**
- 3) Be sure to refer to instructions or contact GAF Contractor Services Department before installing electric motors**
- 4) Contact GAF Contractor Services Department for information on grouping skylights.**
- 5) WHEN CUTTING INTO WALLS AND CEILINGS, BE CAREFUL TO AVOID HIDDEN ELECTRICAL WIRES.**
- 6) HeavenScape™ premium skylights can be installed on roofs with slopes over 15° (3:12). Installation on slopes above 65° (21:12) may require additional application instructions or steps. Please contact GAF Contractor Services Department for information.**
- 7) Make sure that you remove all packing material and excess battens from the skylight before you begin installation.**
- 8) Review application instructions and make sure you understand them before starting application.**

## Suggested rough opening dimensions for fixed and vented units

For best results, use template included in package; otherwise use these measurements:

## Dimensiones de abertura rústica sugeridas para unidades fijas y ventiladas

Para mejores resultados, use la plantilla incluida en el paquete; de lo contrario, use estas medidas:

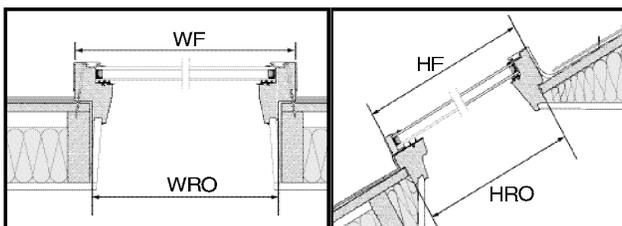
## Dimensions d'ouverture sommaire suggérées pour les unités fixes ou avec ouverture d'aération

Pour de meilleurs résultats, utiliser le gabarit inclus dans l'emballage, sinon, utiliser ces dimensions:



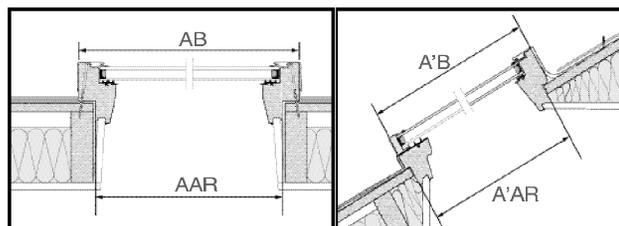
Model/Modelo/Modèle	13/46	16/46	24/27	24/38	24/46	24/55	24/70	32/30	32/38	32/46	32/55	48/27	48/46	
Rough Opening Abertura Rústica Ouverture sommaire	Inches (WRO x HRO) Pulgadas (AAR x A'AR) Pouces (LOB x HOB)	11 <sup>1</sup> / <sub>2</sub> x 45 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>2</sub> x 45 <sup>3</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>2</sub> x 26 <sup>3</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>2</sub> x 37 <sup>5</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>2</sub> x 45 <sup>3</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>2</sub> x 54 <sup>1</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>2</sub> x 70	30 <sup>1</sup> / <sub>2</sub> x 29 <sup>5</sup> / <sub>8</sub>	30 <sup>1</sup> / <sub>2</sub> x 37 <sup>5</sup> / <sub>8</sub>	30 <sup>1</sup> / <sub>2</sub> x 45 <sup>3</sup> / <sub>4</sub>	30 <sup>1</sup> / <sub>2</sub> x 54 <sup>1</sup> / <sub>4</sub>	46 <sup>1</sup> / <sub>2</sub> x 26 <sup>3</sup> / <sub>4</sub>	46 <sup>1</sup> / <sub>2</sub> x 45 <sup>3</sup> / <sub>4</sub>
	cm	29 x 116	37 x 116	57 x 68	57 x 96	57 x 116	57 x 138	57 x 178	78 x 75	78 x 96	78 x 116	78 x 138	118 x 68	118 x 116
Frame Bastidor Cadre	Inches (WF x HF) Pulgadas (AB x A'B) Pouces (LC x HC)	13 <sup>1</sup> / <sub>2</sub> x 46 <sup>3</sup> / <sub>8</sub>	16 <sup>1</sup> / <sub>2</sub> x 46 <sup>3</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>2</sub> x 27 <sup>1</sup> / <sub>2</sub>	24 <sup>1</sup> / <sub>2</sub> x 38 <sup>1</sup> / <sub>2</sub>	24 <sup>1</sup> / <sub>2</sub> x 46 <sup>3</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>2</sub> x 55 <sup>1</sup> / <sub>2</sub>	24 <sup>1</sup> / <sub>2</sub> x 70 <sup>3</sup> / <sub>4</sub>	32 <sup>1</sup> / <sub>2</sub> x 30 <sup>5</sup> / <sub>8</sub>	32 <sup>1</sup> / <sub>2</sub> x 38 <sup>1</sup> / <sub>2</sub>	32 <sup>1</sup> / <sub>2</sub> x 46 <sup>3</sup> / <sub>8</sub>	32 <sup>1</sup> / <sub>2</sub> x 55	48 <sup>1</sup> / <sub>2</sub> x 27 <sup>1</sup> / <sub>2</sub>	48 <sup>1</sup> / <sub>2</sub> x 46 <sup>1</sup> / <sub>2</sub>
	cm	34 x 118	42 x 118	62 x 70	62 x 98	62 x 118	62 x 140	62 x 180	83 x 78	83 x 98	83 x 118	83 x 140	123 x 70	123 x 118

Or add 1/4" to finished frame dimension (WRO x HRO)



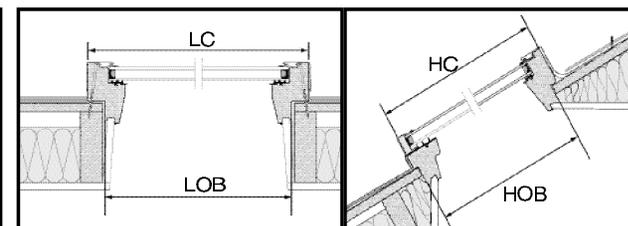
WF – Width Frame  
WRO – Width of the Rough Opening  
HF – Height Frame  
HRO – Height of the Rough Opening

O agregue 1/4" a las dimensiones del bastidor terminado (AAR x A'AR)



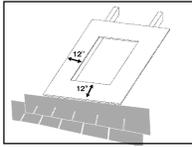
AB – Ancho del Bastidor  
AAR – Ancho de la abertura rústica  
A'B – Altura del Bastidor  
A'AR – Altura de la abertura rústica

Ou ajoutez 0,6 cm (1/4po) aux dimensions du cadre fini (LOB x HOB)



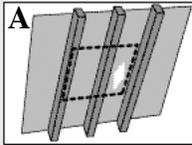
LC – Largeur de Cadre  
LOB – Largeur de l'ouverture brute  
HC – Hauteur de Cadre  
HOB – Hauteur de l'ouverture brute

# Application Instructions for Vented Skylights



## 1. Remove Shingles...

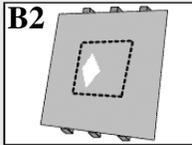
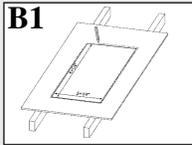
And roofing material from the deck for at least 12" around the area where you will be placing the skylight.



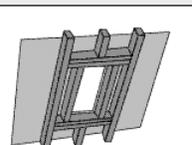
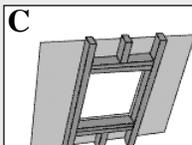
## 2. Frame Interior and Cut Deck...

**A.** Identify the appropriate location on the roof. Cut a small hole in the roof to determine proper placement, taking into account internal conditions and especially:

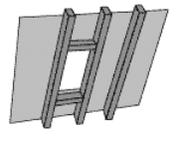
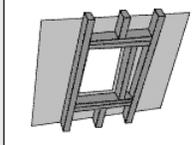
- Framing Members—line up between rafters where possible (because HeavenScape™ skylights are designed to fit snugly between the rafters).
- Other Conditions—including where the light will fit in the room and any other below deck obstructions



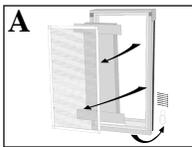
**B.** Using the enclosed template (1), square and mark the deck with a chalk line (2). Cut the appropriate opening in the deck.



**C.** Before cutting any portion of the framing, consult local building codes for requirements and seek professional guidance to ensure adequate structural support. Make sure that you get professionally prepared plans if cutting rafters, and use additional roof jacks and truss supports as appropriate. Construct all required framing, including headers, as required by local building codes. Refer to framing guidelines from the National Association of Home Builders, the American Institute of Architects, the American Plywood Association or similar organizations.



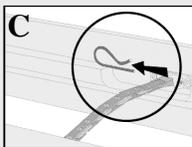
**D.** For construction of light shafts, refer to local building ordinances, applicable building codes and requirements, standard framing procedure and details.



## 3. Preparing the Skylight...

**A:** After removing vented skylight from box, remove screen by pulling spring release pins.

**B:** Install the crank loop by screwing into place at bottom of window. Fully open the sash, then remove the crank loop and set aside.



## 4. Positioning the Skylight...

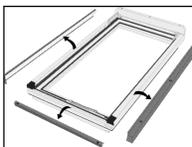
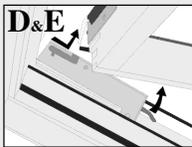
**A:** Place the skylight frame in the roof deck opening

**B:** Using #2 Phillips Head screwdriver, remove top cladding. Set screws aside for replacing cladding, Step 13.

**C:** Remove the clevis pin from the lift mechanism at the bottom of the window and hold window at a 30° angle.

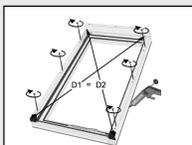
**D:** Lift up the locking lever on the hinge.

**E:** Remove the sash according to the arrow direction (pull straight out, then lift up) as shown. Set aside.



## 5. Remove Cladding...

From bottom and sides of skylight frame. Set screws aside for use when replacing cladding, Step 11.



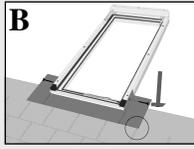
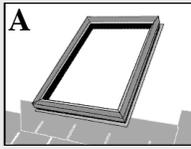
## 6. Securing Skylight Frame in Roof...

Be sure that the diagonals of the frame are equal (as shown). Using a #3 Phillips Head screwdriver, secure the frame through the pre-drilled holes with the long screws provided. Make sure screws are completely secured through all pre-drilled holes, through the deck and into the framing.



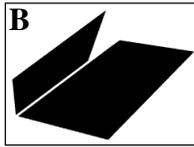
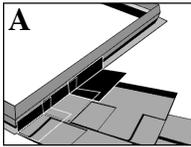
## 7. Apply Leak Barrier...

Place WeatherWatch® or Storm Guard® leak barrier membrane onto the bottom of skylight frame, extending up 1" (2.5cm) on bottom, and 2" (5.1 cm) on the sides and top. Run the rest of the leak barrier membrane at least 12" (30.5 cm) onto the roof sheathing.



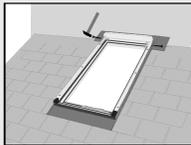
## 8. Flashing Bottom of Skylight...

**A:** Install shingles up to and around the bottom of the skylight as shown.  
**B:** Slide apron flashing snug to the bottom of the frame. Remove the release film from the butyl seal underneath the apron flashing and press the apron to the shingle. Nail the flashing to the sides of the window frame, using the appropriate length nails.  
**C:** Replace the bottom cladding.



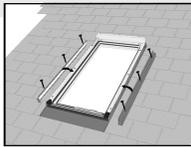
## 9. Flashing Sides of Skylight...

Begin applying flashing up the sides of the skylight. Flashing pieces typically overlap a minimum of 3" (7.6 cm) with most shingle types. Install shingles on top of step flashing and continue up the roof, interweaving shingles and step flashing. (Note: When applying with heavyweight shingles, trim the top of the step flashing as necessary to reinstall cladding.) Step flashing must be placed snug to the sides of the frame and nailed into the deck at the upper outside corners with appropriate length roofing nails. If necessary, the top pieces of step flashing may be cut to fit around the upper corners of the frame, as shown in figure B.



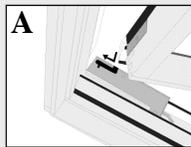
## 10. Install Saddle Flashing...

Position saddle flashing snug to top of frame. Nail to deck using appropriate length roofing nails. For added protection, add a bead of roofing cement at the top of the saddle flashing to prevent moisture from getting between the saddle and the leak barrier membrane. Install shingles over the top of the saddle flashing, being careful not to nail through the flashing. Continue to install roofing shingles up the roof in the standard manner.



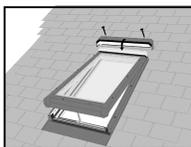
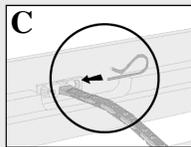
## 11. Replace Side Cladding...

Position so the top of the cladding is flush with the top of the skylight. Replace the screws removed in Step 5.



## 12. Replacing the Window Sash...

**A:** Slide the window sash into skylight frame according to the directions of the arrows (down and in)... allowing the hinge pins to slide into the hinge base.  
**B:** Turn hinge screw counter-clockwise 3 turns to lock the release levers  
**C:** Place the end of the lift mechanism in the holder on the window sash and lock it with the clevis pin.



## 13. Replace the Top Cladding...

**A:** Be sure the short gasket sweeps the top of the sash, while the longer gasket is placed between the wood and metal.  
**B:** Using screws from Step 4B, secure the top cladding.



## 14. Replace the Screen...

Place the crank loop back and secure it with the set screw.

*For added protection, consider adding window/door caulk to the top and bottom of the saddle flashing where it meets the wood frame.*