

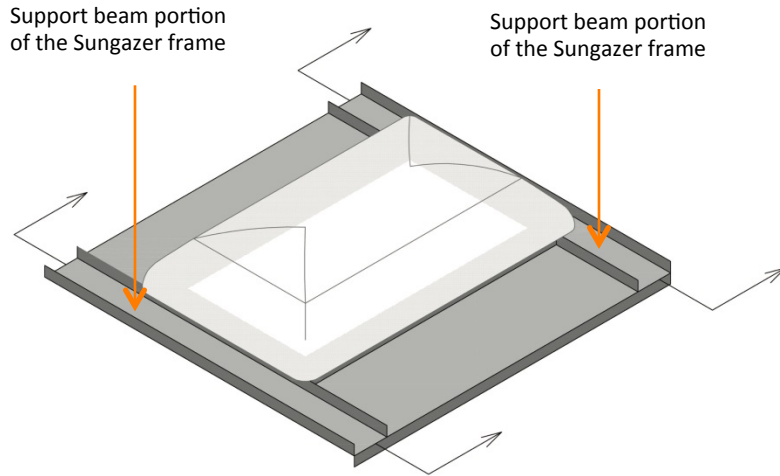
Sungazer Installation Procedure



Introduction

1. Sungazers are installed in a similar fashion as ventilators.
 - A “dry” sheeting pan is required on both sides of the unit.
(If the sheeting profile together with which the Sungazer will be used is specified in advance, the base frame will be made to incorporate the required “cover flash”)
 - Stop-end roof sheets and install serrated closure at down slope end of the Sungazer
 - Back flashings are required
2. The unit is despatched in two parts
 - Base frame
 - Dome, lens and reflectors
3. The base frame should be handled by lifting at the corners and not handled in the centres as the “cover flash” might buckle
4. All components are installed from above the roof
 - Mark the position where the Sungazer is to be installed with a template and cut the hole with a cold saw. Sungazer to be positioned central between purlins with sufficient clearance for underslung frame
 - Position the base frame and fix to the sheeting
 - Lower the underslung frame through the opening and turn it to line up with the direction of the base frame and lift to clamp insulation between underslung frame and base frame.
 - Secure the underslung frame to the base frame with the supplied steel strip ties
 - Ensure that the reflectors are secured to the inside verticals of the base frame
 - Lower the dome over the base frame until it reaches the bottom of the frame ensuring that the rubber strips have been pushed down
 - Secure the dome to the frame at the 6 fixing points with stitching screws
5. Install back flashings

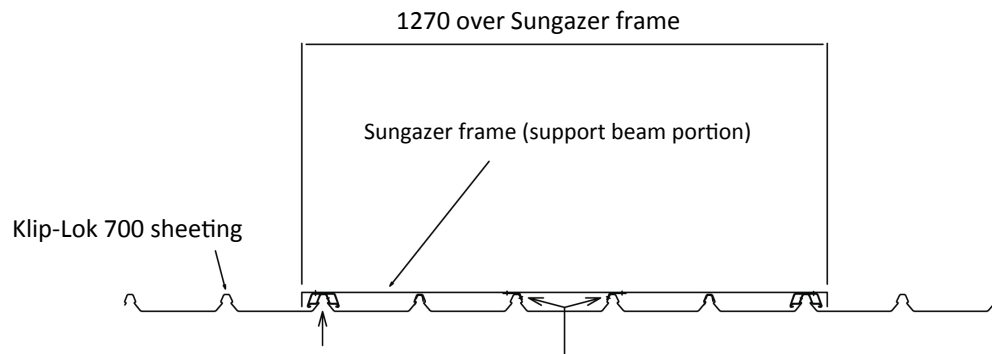




Note

The Sungazer frame is profile specific and is therefore to be ordered to suit the sheeting profile used.

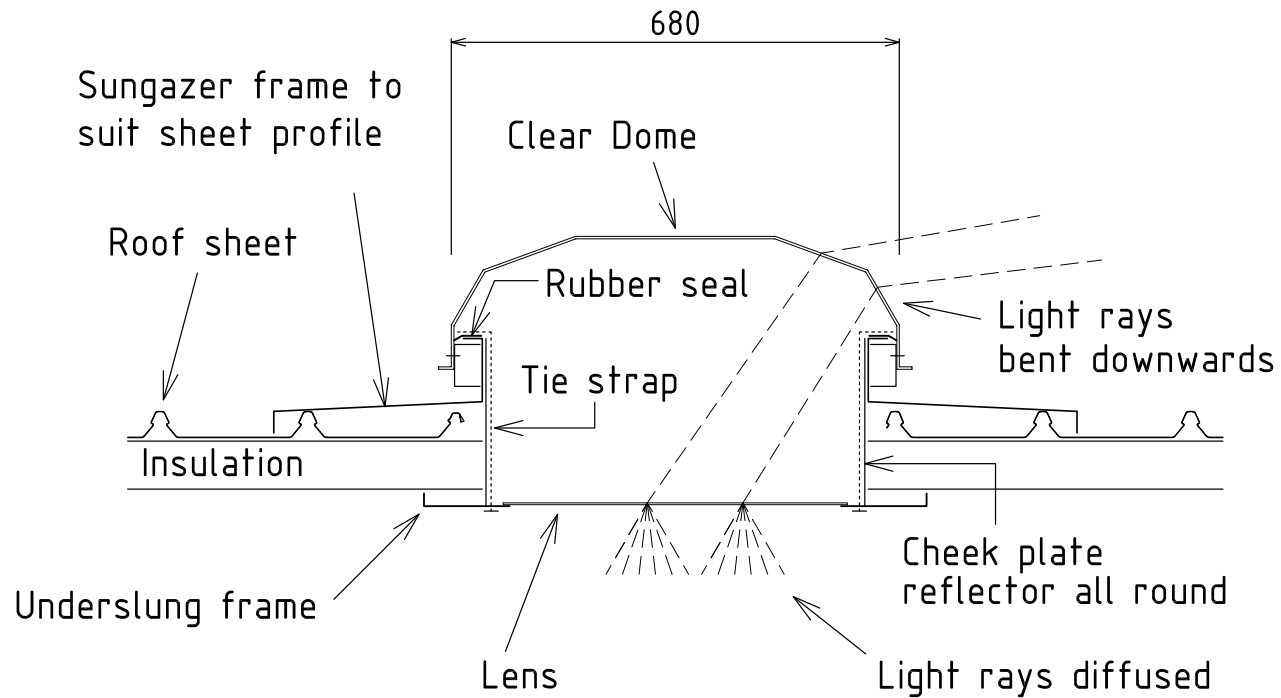
Cross section through support beam portion of standard Sungazer



Sliding brackets to be used on side sheets when length exceeds 30m for steel sheets & 20m for aluminium sheets. For shorter sheets use S10 brackets.

S10 brackets to centre ribs. Please note that if length exceeds 30m for steel sheets & 20m for aluminium, then sliding brackets to be used.





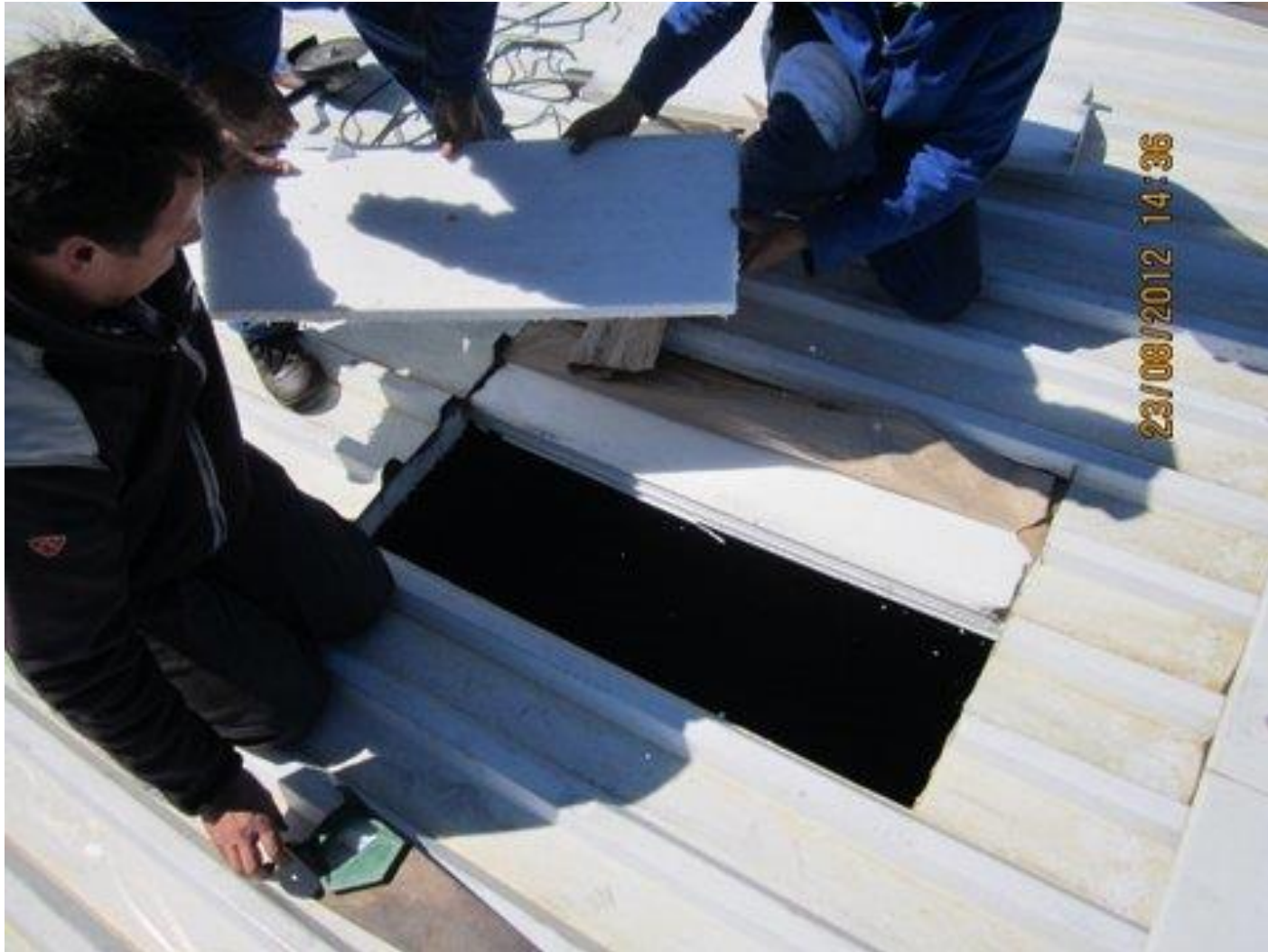
CROSS SECTION ON CENTRE LINE OF SMALL SUNGAZER



Mark the position where the Sungazer is to be installed with a template



Remove insulation



Place base frame in position and secure (note -single upstand nearest to Apex)



Lower underslung frame through opening and align with base frame ensuring that insulation material is clamped between underslung- and base frame.
Tie underslung frame to base frame with ties (provided)



Tie Strap – feed both legs through hole in underslung frame



Ensure that reflectors strips are secured to inside vertical face of base frame:



Step 1:

Cut buttonholes in rubber seal to push Tie Strap legs through.



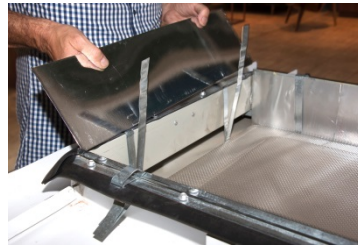
Step 2:

Push leg of Tie Strap closest to frame through and bend over (this is the leg that keeps underslung frame tight against ceiling).



Step 3:

Same for second Tie Strap per reflector side



Step 4:

Slide cheek plate reflector strip into "V" between legs of Tie Strap.

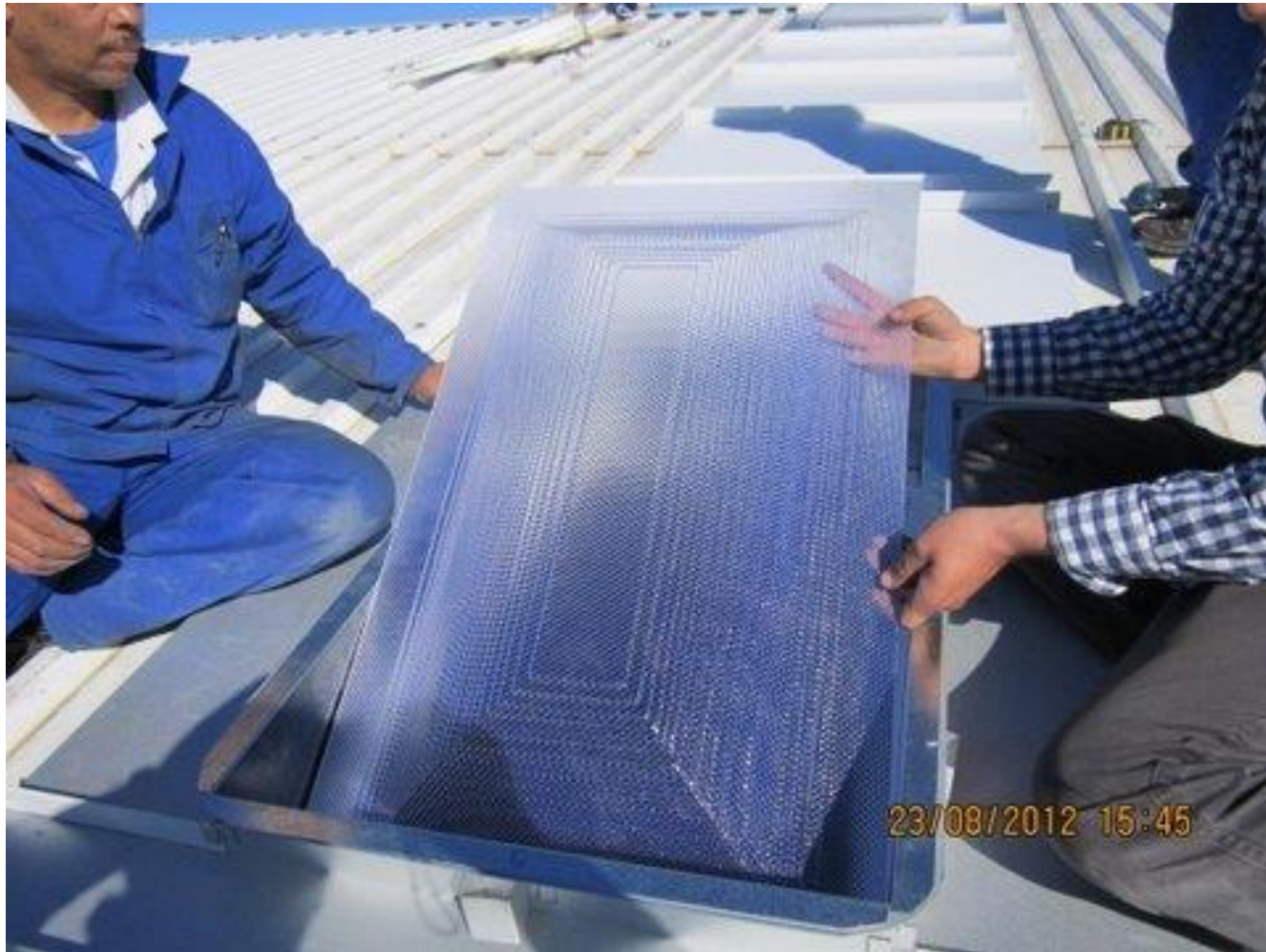


Step 5:

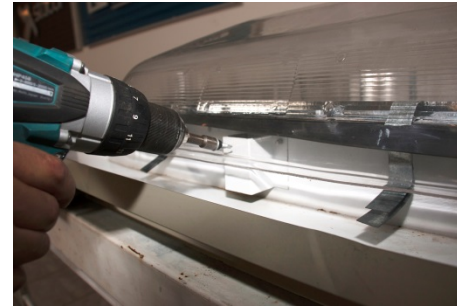
Feed inside leg of Tie Straps through same button hole of rubber seal and bend over (to fix reflector permanently in position).



Place lens in position on top of underslung frame



Lower dome onto base frame and secure to 6 x fixing points



Secure dome carefully against 2nd brackets with tech screws & rubber washers (hole in perspex dome to be pre-drilled slightly larger than shaft of fastener)



Corner view (note rubber seal is pushed downwards at outer edge when dome is placed in position).



Install back flashings





Option for improved performance

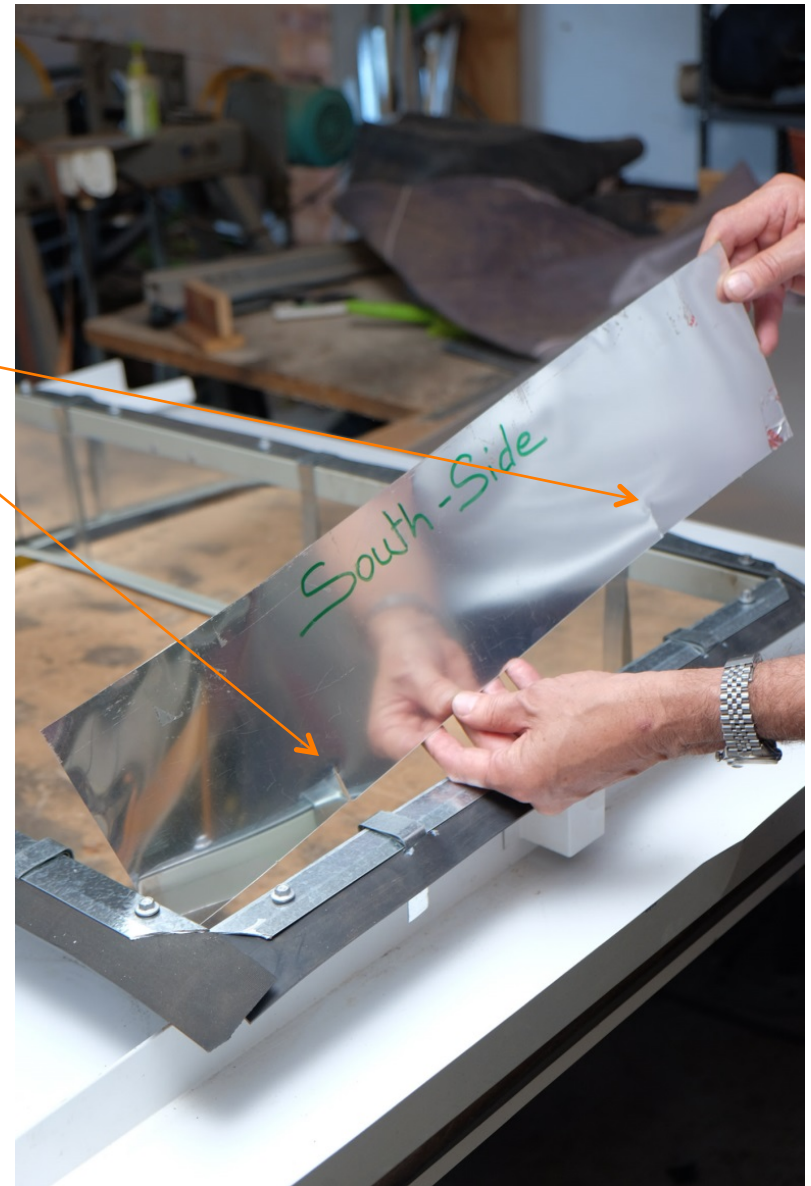
Follow slides below



Option for improved performance

An additional reflector strip can be installed on the south side of the Sungazer to enhance performance

1. Nip additional reflector strip (of same size as installed reflector strip) at approximately at third position from ends for a depth of 20mm
2. Slide the additional reflector strip into installed reflector strip and allow to project above rubber seal (as the additional reflector strip will follow the inside shape of the dome).



Slide additional reflector strip into existing reflector strip and allow to protrude above the rest



Lower the dome by starting on the south side and allowing the additional reflector strip to be gently pushed over on the inside of dome while being lowered onto the base frame and secure to 6 x fixing points



