GV Standard Sliding Over Roof
Installation Instruction Manual

“Technical experts in the design, manufacture and supply of precision engineered, architectural rooflights for residential and commercial buildings.”
Important checks before proceeding with installation

Check that the kerb is built to Glazing Vision’s sales drawings. In particular:

- Kerb structure is dimensionally correct to customer order and kerb drawings.
- Top surface of kerb is flat (although it will be pitched at least 3 degrees) without undulations greater than +/-2mm.
- Cable exit hole has been included in the kerb.
- Kerb has been weathered as per drawings 602-ASS-402 and 602-ASS-403. Note: if using any metallic waterproofing material, this cannot be applied across the top surface of the kerb as this will cause a thermal bridge which can lead to internal condensation and invalidate the rooflight warranty.
- Extension rail supports are constructed and weathered to drawing 602-ASS-403.

Installation procedure

1. Remove all packaging from rooflight including polyfoam glass protection and low tack tape.
2. Remove clip on covers around lower perimeter of rooflight. This is done by first pulling the bottom to release as shown in (Figure 1). Take care not to deform the section or scratch any powder coat.

3. Referring to Figure 2 and 3, attach spreader plates to sliding frame using M4 fixings supplied (2 per plate). Depending on the span and width dimensions the positions of brackets will vary, the longer side will include holes for 2 spreader plates and lifting brackets, the shorter side will include holes for a spreader plate only.
4. Mount lifting bracket to tapping plate in the base frame using M6 high tensile fixings supplied (3 per bracket). Adjust rubber feet to make light contact with top of glass (do not tighten). Repeat for the 3 other corners.
5. Assemble lifting frame (refer to Glazing Vision drawing MA0065) to position lifting eyes with lifting brackets. Secure joints using clevis pins and R-clips (2 per lifting bracket and
joining brackets). Finer adjustment of position is achieved with the fixings on the lifting bracket. Once in position, ensure nuts are tightened appropriately for lift.

6. Attach shackles to lifting eyes (Figure 2 and 3). Attach chains/strops to shackles. These must be a minimum of 3 metres in length.
7. Carefully lift rooflight to the roof.

8. Apply two continuous runs of silicone (supplied in installation kit) to top of kerb. Position runs approximately 25mm and 100mm from outside edge of kerb (Figure 4).

![Silicone](image1)

Figure 4 – Applying silicone to kerb

9. Carefully lift rooflight over to kerb.

10. Feed power and control cables from base framework into hole in kerb (Figure 5). If BMS integration option was purchased there will be a third cable.

![Cable installation](image2)

Figure 5 – Cable installation

11. Gently lower rooflight to kerb ensuring cables are not kinked or snagged under framework.

12. With base framework in contact with kerb top and majority of rooflight weight still supported, adjust position of rooflight on kerb ensuring internal framework is equally spaced and aligned with internal finishes.

13. Gently release weight of rooflight. Remove crane before doing any further work.
14. Drill pilot holes in kerb using holes in drip leg on base framework. Use a suitable size drill to suit fixings supplied. Secure base frame to kerb using supplied fixings and packers. The packers must fill the gap between kerb and rooflight base frame for each woodscrew (Figure 6) to prevent distortion of framework.

15. Locate extension rails using brackets, slide track capping on to base frame track extrusion (Figure 7). Slide into position until extension rails butt up to base frame.

16. Ensure extension track is aligned and straight with track on base frame. Using a spirit level, check that extension rails are not sloping towards or away from kerb. They must be horizontal for reliable and smooth operation.

17. Use flat packers (supplied in installation kit) to fill gap between extension tracks and kerb extension supports at each fixing hole location on both sides (packers will sit flush with extension rail once installed). Secure extension rails to kerb extension supports with countersunk fixings provided (Figure 8). Apply clear silicone to each fixing hole before inserting fixing to ensure a seal.
18. Loosen grub screws securing track capping to extension track (Figure 8). Remove this piece of track capping. Remove cap head fixings securing extension track to extension rails and remove extension track to gain access to additional fixing holes (Figure 9).

19. Secure extension rail to capped supports with button head fixings supplied.

20. Reposition extension track (without fixings) on extension rails to check alignment with base track. Re-check rail with spirit level to ensure track is horizontal (adjust packing and fixings accordingly if required).

21. Insert cap head fixings to secure extension track to extension rails. Slide track capping back on to extension track and tighten grub screws to secure in position.

22. Secure all flashings to sliding frame using M4 cap head fixings supplied.

23. Secure rear flashing to base frame with 9 fixings provided (Figure 10).
24. Connect power and switch cables inside the building as per standard wiring detail. Open and close the rooflight to check for smooth operation at this stage. The control board settings are configured during manufacturing assembly (if adjustment is required any new settings must be logged and returned to Glazing Vision for our records).

25. Complete site QC documents.