Name:	GV Standard Three Wall Box (3WB)
Code:	607
Type:	Sliding access rooflight
Description:	Single sliding door retracting over fixed glazing

Features:

No visible kerb fixings through the use of extruded external clip-on cover.

Excellent overall thermal performance from polyester powder-coated aluminium extrusions integrated with 39mm polyamide thermal breaks, concealed closed-cell PIR insulation and options for double or triple glazing as standard.

Structural integrity assured through the use of finite element analysis (FEA) and testing.

Advanced electronics control system installed, offering low opening currents and a dedicated building management system (BMS) input.

Reliable operation via a concealed twin drive mechanism with one-way clutch and solenoid security feature as standard. Drive mechanism powered by an external 24V power supply. A battery-backed supply option is available as an external optional extra.

Catalogue of product support data including sales drawings, schedule and manufacturing information.

Testing:	Weather performance testing: CWCT Hose test/Spray Bar test to BS EN 13051

Kerb Dimensions:				
	Min Kerb Thickness:	see 607-ASS-202	Min Kerb Height:	see 607-ASS-202
	Min Product Height:	400mm	Max Product Height:	1500mm
	Min Span:	1100mm	Max Span:	2400mm
	Min Width:	1500mm	Max Width:	4200mm

Maximum Span and Width is determined by the opposing dimension - check with manufacturer prior to specification that your dimensions are acceptable.

Further information on critical kerb dimensions is available on drawing reference 607-ASS-202.

Standard Glass Specification: **Triple glazed**

Outer: 6mm HST Clear toughened.
Spacer: 14mm Black warm edge silicone-sealed argon-filled cavity.
Centre: 4mm HST Clear soft low E toughened.
Spacer: 14mm Black warm edge silicone-sealed argon-filled cavity.
Inner: 4mm HST Clear soft low E toughened.

Double glazed

Outer: 6mm HST Clear toughened.
Spacer: 20mm Black warm edge silicone-sealed argon-filled cavity.
Inner: 6mm HST Clear soft low E toughened.

U-values: Example 4000mm Width x 1500mm Span x 1200mm Height external kerb dimensions:

Triple glazed	Double glazed
$U_g = 0.6$ W/m²K	$U_g = 1.1$ W/m²K
$U_w = 2.3$ W/m²K	$U_w = 4.0$ W/m²K
$U_d = 1.1$ W/m²K	$U_d = 1.6$ W/m²K

Standard Colour: Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner.

Rooflight Control: Glazing Vision control board and magnetic limit switches.

Power Supply: External 24V, 14.6A, 300W switch mode power supply.

Drive Mechanism: Twin rack and pinion drive with solenoid security one way clutch as standard.

Thermally Broken: 39mm Polyamide thermal breaks and concealed closed-cell PIR insulation.

Seals: PVC-coated foam sliding seal.
Silicone seal on closing edge.

Security: Built in anti-lifting mechanism to prevent disengagement of drive mechanism via vertical movement of sliding frame.

Use for Access: Yes.

CAD Drawings:

Drawing Number	Description
607-ASS-201	Product overview
607-ASS-202	Kerb detail
607-ASS-203	Section A-A
607-ASS-204	Section B-B
607-ASS-205	Section C-C
607-ASS-206	Detail A-B
607-ASS-207	Detail C-D-E
607-ASS-208	Section A-A DGU
607-ASS-209	Section B-B DGU
607-ASS-210	Section C-C DGU
607-ASS-211	Detail A-B DGU
607-ASS-212	Detail C-D-E DGU
607-ASS-013	Client wiring diagram

Optional Extras:

Remote Control:	Yes	Proximity Detection:	Yes
Rain Sensor:	Yes	Battery Back Up	Yes
Solenoid Bolt:	Standard	Dual Colour:	Standard
Thermostat:	Yes	Special Colour:	Yes
BMS Integration:	Yes	Ritec Coating:	Yes
Trickle Vents:	n/a	Downlighter:	No
Wall Abutted:	Standard	Multi-Part	n/a
External Key Switch:	Yes	External Keypad:	Yes

Rain Sensor Overrides:

Internal isolator switch:	Yes
External isolator key switch	Yes
Timed secure open button:	Yes