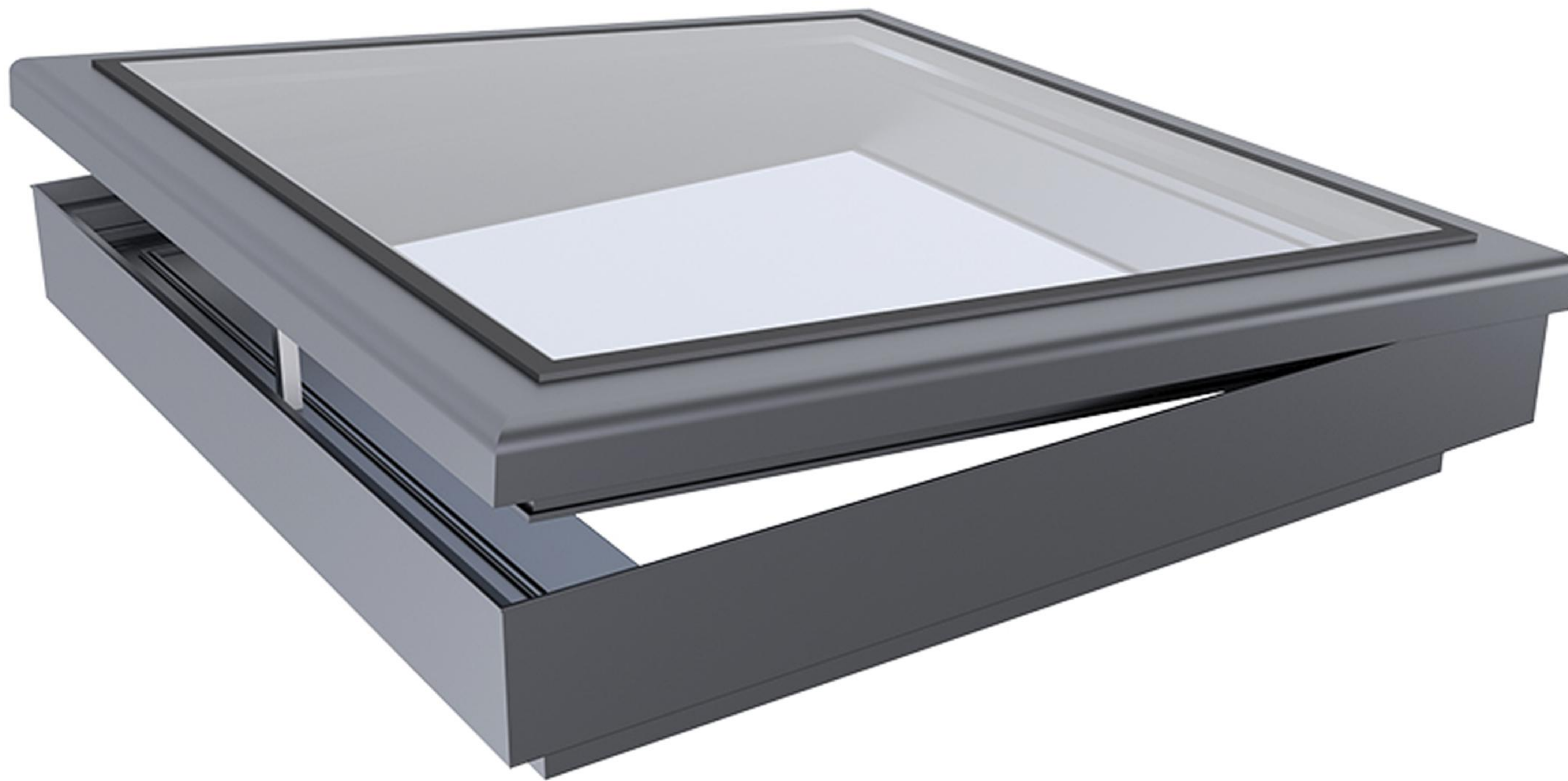




SAINTY Motorized Skylight Window

Full name: Remote Control Skyligh With Hidden Motors



- Sash weight up to 80kg
- Dimensions up to 2400 mm wide and 1200 mm high.

The automatic skylight window is equipped with a motorized system that enables it to open and close with the push of a button or through a remote control. This feature allows for convenient ventilation and easy control of natural light entering the space.





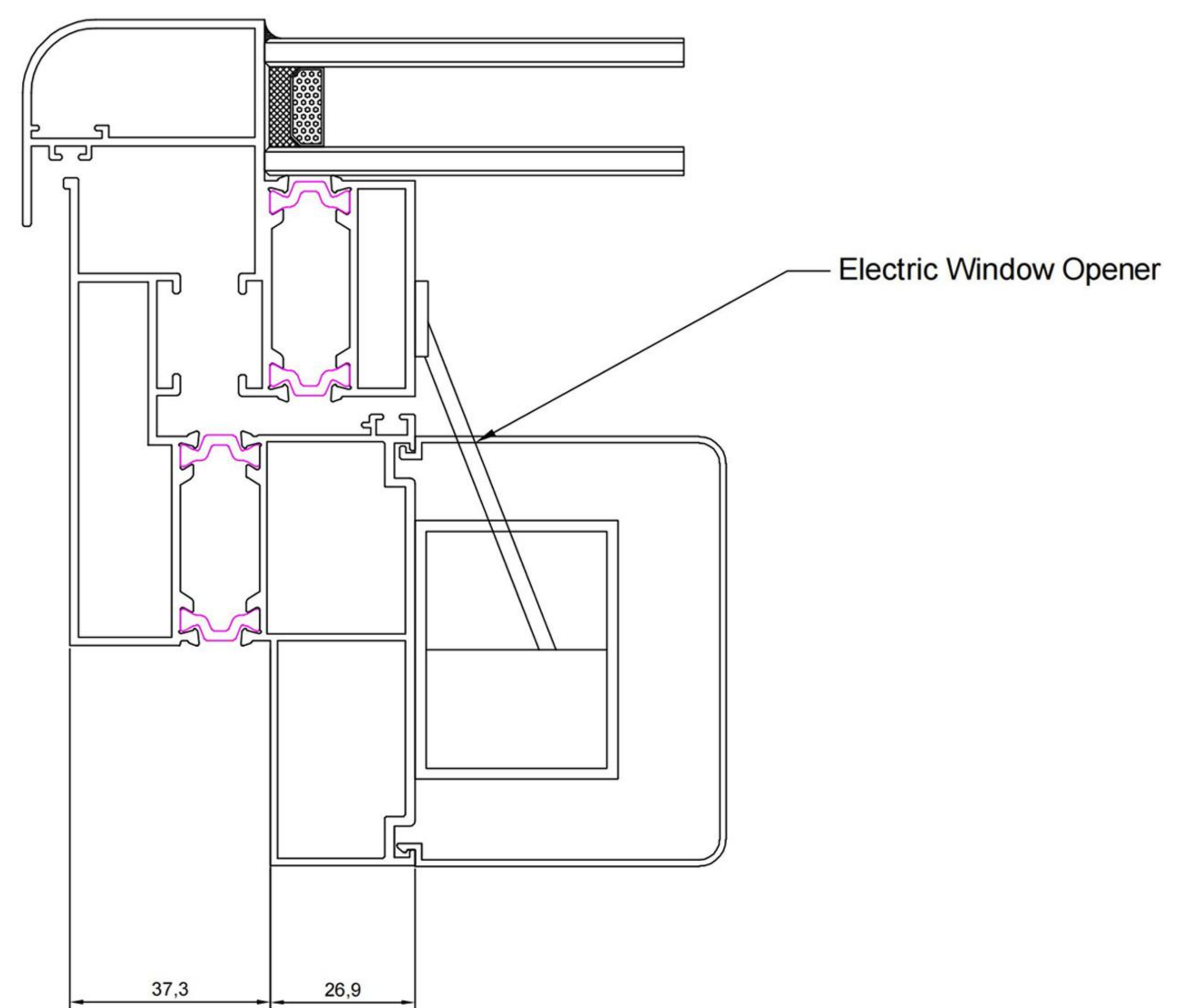
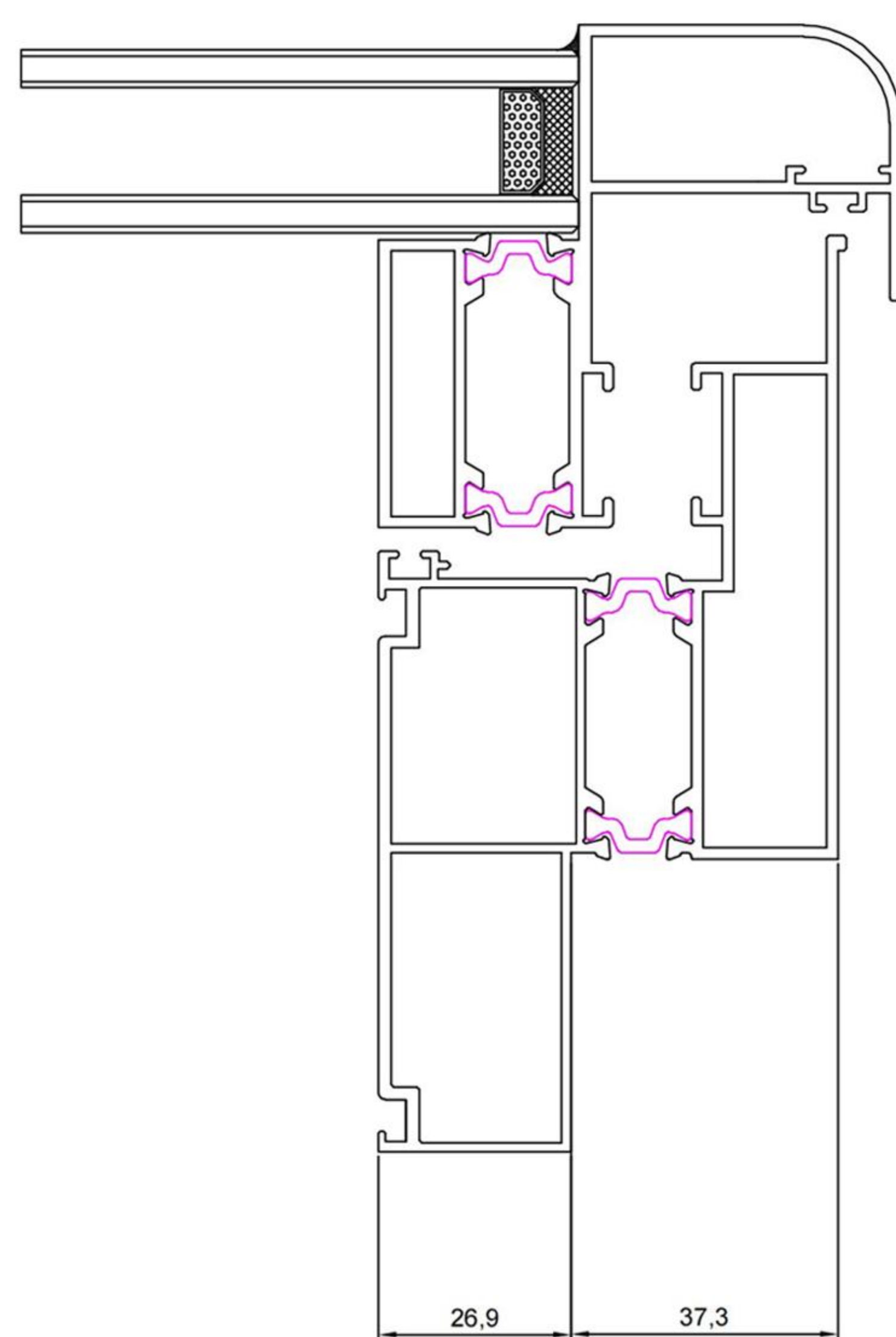
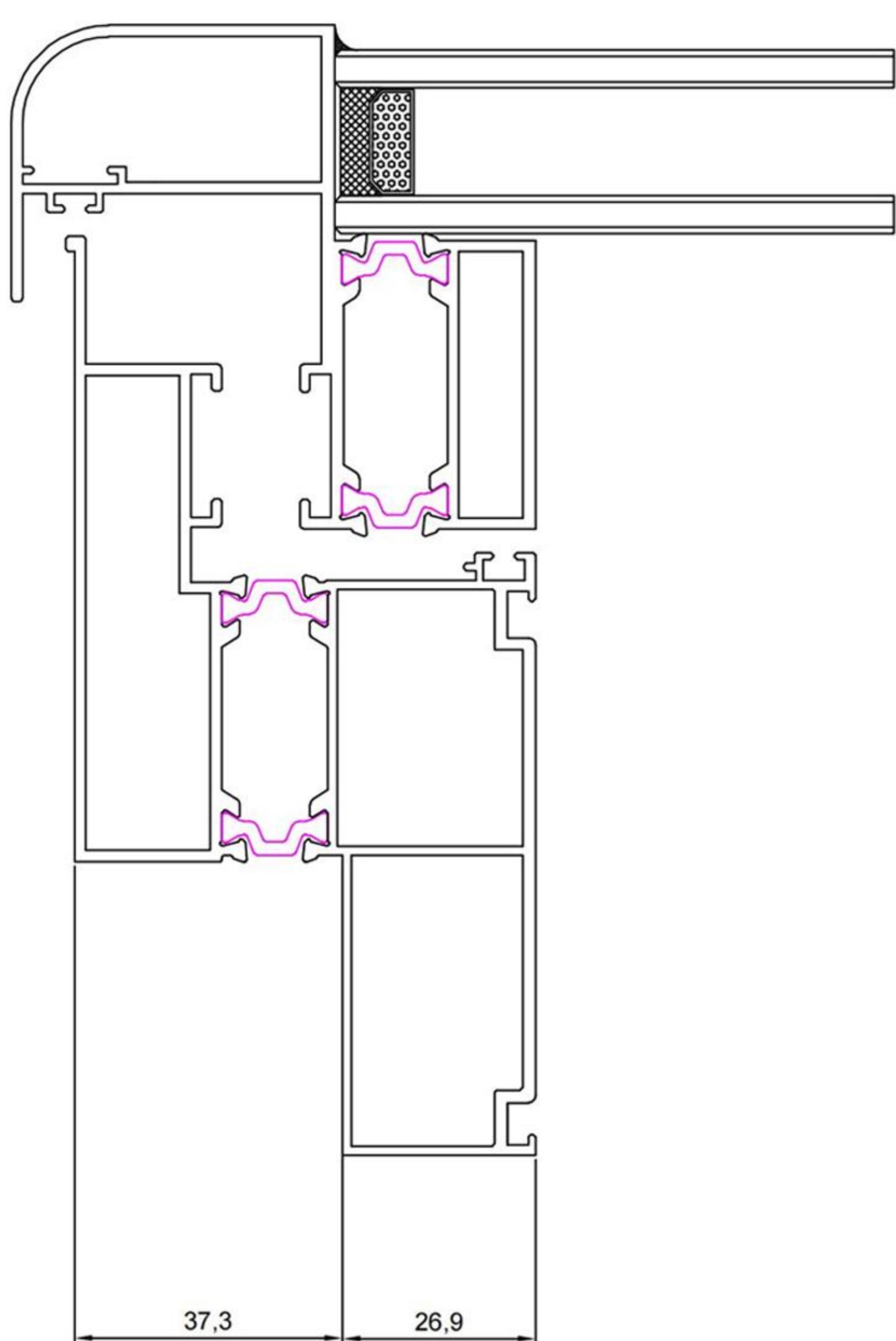
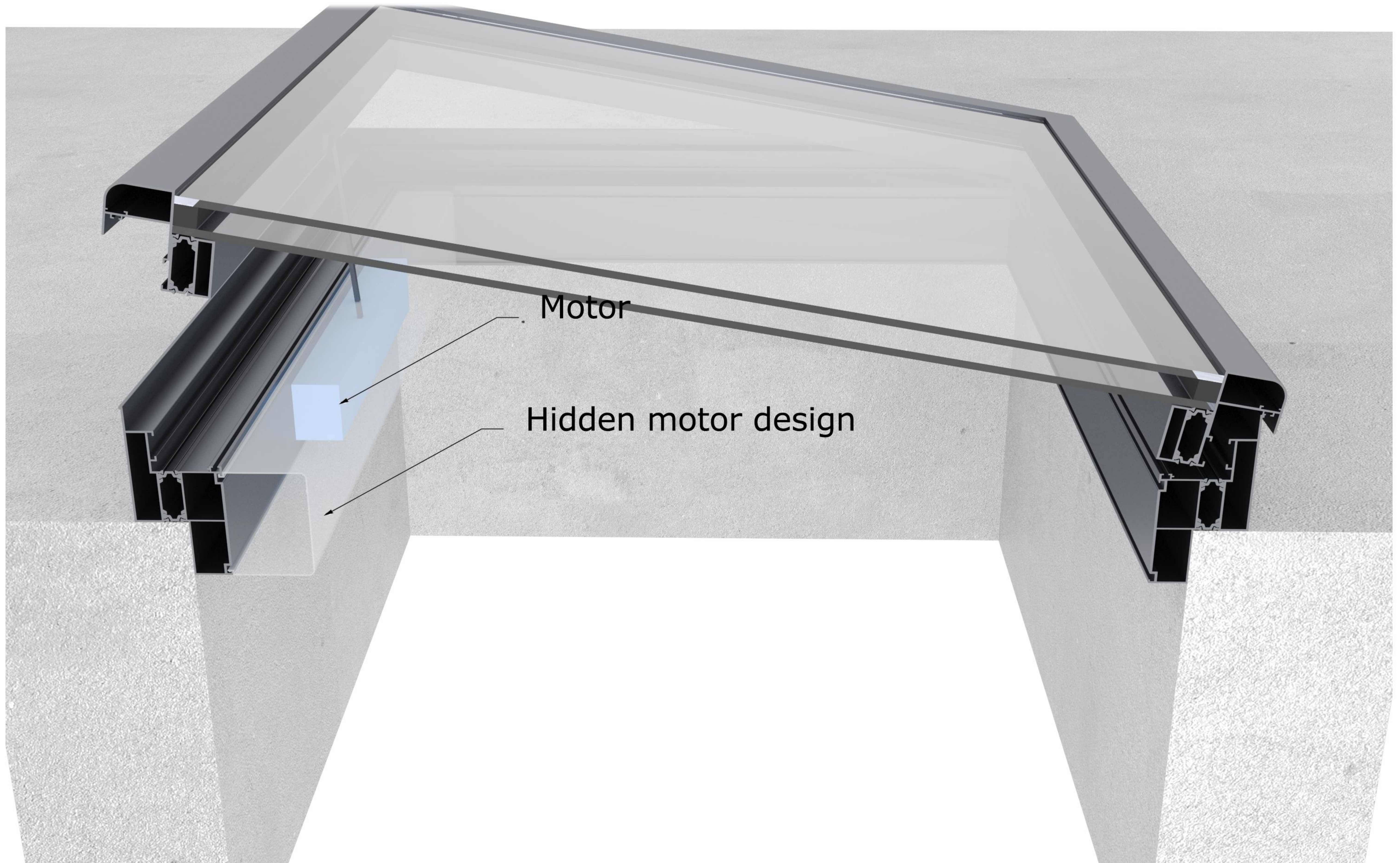
Electric motors are used to automate the opening and closing of skylight windows. These motors are typically installed in the frame or along the sides of the window and are responsible for the movement of the window sash.

The hydraulic support rods in automatic skylight windows make it effortless to open and close the windows. With the press of a button or the use of a remote control, you can easily operate the skylight windows without the need for manual effort. This convenience is especially beneficial for windows that are located in high or hard to reach areas.



● Certified by CE/AAMA/CSA







- The automatic operation of skylight shutters adds convenience to your daily routine. With the use of a remote control or a wall mounted switch, you can effortlessly open or close the shutters, adjusting the amount of light and privacy according to your preference. This automation eliminates the need for manual operation, especially in house roof skylight.

- A rain sensor is a useful accessory that automatically closes the skylight windows when it detects rain. This feature helps prevent water from entering your home and protects your interiors from water damage. Rain sensors are especially valuable for skylights in areas prone to frequent rainfall.
- Sunlight sensors, also known as light sensors or photocells, are designed to detect the intensity of sunlight. When the sensors detect excessive sunlight, they can trigger the automatic closing of the skylight windows or the activation of shading devices, such as blinds or shutters. Sunlight sensors help to regulate the amount of sunlight entering your space, reducing glare and heat gain.





Test Description	Requirements		Results		Verdict
Air Leakage Resistance Test AAMA/WDMA/CSA1 01/I.S.2/A440-17, Clause 9.3.2 ASTM E283/E283M-2019	Maximum air leakage at +75 Pa (1.57 psf)	No Requirement	Air leakage at +75 Pa (1.57 psf)	0.14 L/s·m2 (0.03 cfm/ft2)	Pass
	Maximum air leakage at -75 Pa (1.57 psf)	0.50 L/s·m2 (0.10 cfm/ft2)	Air leakage at -75 Pa (1.57 psf)	0.20 L/s·m2 (0.04 cfm/ft2)	
Air Leakage Resistance Test AAMA/WDMA/CSA1 01/I.S.2/A440-17, Clause 9.3.2 ASTM E283/E283M-2019	Maximum air leakage at +300 Pa (6.27 psf)	0.50 L/s·m2 (0.10 cfm/ft2)	Air leakage at +300 Pa (6.27 psf)	0.27 L/s·m2 (0.05 cfm/ft2)	Pass
	Maximum air leakage at -300 Pa (6.27 psf)	No Requirement	Air leakage at -300 Pa (6.27 psf)	0.39 L/s·m2 (0.08 cfm/ft2)	
Water Penetration Resistance Test AAMA/WDMA/CSA1 01/I.S.2/A440-17, Clause 9.3.3 ASTM E547-2000(R2016) & ASTM E331-2000(R2016)	Minimum water pressure	380 Pa (7.94 psf)	Test Pressure	380 Pa (7.94 psf)	Pass
			After water sprayed for four cycles in 24 minutes per ASTM E547 and then sprayed for 15 minutes per ASTM E331 at 380 Pa (7.94 psf), there was no water penetration.		
Uniform Load Deflection Test AAMA/WDMA/CSA1 01/I.S.2/A440-17, Clause 9.3.4.2 ASTM E330/E330M-2014(R2021)	Minimum Design Pressure (DP)	1920 Pa (40.10 psf)	Design Pressure (DP)	1920 Pa (40.10 psf)	Pass
			Maximum deflection at Stile	0.2 mm (0.01 in.)	
			Maximum deflection at Rail at handle side	0.1 mm (<0.01 in.)	
Uniform Load Structural Test AAMA/WDMA/CSA1	Minimum Structural Pressure (STP)	2880 Pa (60.15 psf)	Structural Pressure (STP)	2880 Pa (60.15 psf)	Pass
			No significant breakage or damage		



ITEM	Glass ID	Glass Structure	结构厚度 Thickness	U-Value Btu/(h·ft ² ·°F)	Infrared barrier GIR	Ultraviolet barrier UVR	Light transmittance VT	Sound insulation coefficient dB	Heat gain coefficient SHGC	Performance Score	
①	Double-L		Glass 1	5	0.243	76.3%	44.0%	81.0%	34.21	0.587	
			Space TPS	12							
			Glass 2	5							
			2 Glass,1 space	THK	22						Score 90
②	Triple-L		Glass 1	5	0.193	82.0%	55.0%	73.0%	36.79	0.538	
			Space TPS	12							
			Glass 2	5							
			Space TPS	12							
			Glass 3	5							
			3 Glass,2 space	THK	39						Score 93
③	Double-SL		Glass 1	5	0.228	94.9%	72.0%	70.0%	33.21	0.402	
			Space TPS	12							
			Glass 2	5							
			2 Glass,1 space	THK	22						Score 96
④	Triple-SL		Glass 1	5	0.181	95.7%	77.0%	63.6%	36.79	0.369	
			Space TPS	12							
			Glass 2	5							
			Space TPS	12							
			Glass 3	5							
			3 Glass,2 space	THK	39						Score 97
⑤	Triple-LL		Glass 1	5	0.227	98.1%	99.0%	45.0%	41.09	0.288	
			Space TPS	12							
			Glass 2	5							
			Lam pvb	0.76							
			Glass 3	5							
			3 Glass,2 space,1 Lam	THK	28						Score 99
⑥	Triple-2L		Glass 1	5	0.136	92.0%	63.0%	68.0%	36.79	0.487	
			Space TPS	12							
			Glass 2	5							
			Space TPS	12							
			Glass 3	5							
			2 Glass,1 space	THK	39						Score 95
⑦	Quadruple-2L		Glass 1	5	0.024	99.0%	99.0%	62.0%	45.37	0.344	
			Space TPS	16							
			Glass 2	5							
			Space TPS	16							
			Glass 3	5							
			LAM pvb	0.76							
			Glass 3	5							
			4 Glass,2 space,1 Lam	THK	53						Score 103

