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- Entrance Doors and Framing Systems
- Curtain Wall Systems
- AA®130 Brise Soleil System
Solar Shading for Reduced Solar Heat Gain
- Window Systems
- Residential Aluminium Glazing Systems
- Specialist Horizontal Sliding Window Solutions for your Healthcare Project
- Fire Resistant Systems
- The Architects Guide to Aluminium in Building
- Sustainability: Our Total Commitment



Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserves the right to introduce without notice such changes which will not detract from the product's performance
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Sliding Solutions



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Cardiff Business School, Cardiff University

Architect: Boyes Rees Architects
AA®100 50mm Curtain Wall, AA ®100 SSG
Curtain Wall, AA ®541 Casement Windows
AA®3720 Folding/Sliding Doors, Low/Medium
Duty Swing Doors and 190 Heavy Duty
Commercial Entrance Doors

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Door and Window Sliding Solutions Product Selector

	AA®3720 Folding/Sliding Door	AA®3572 Lift/Slide Door	AA®3110 Horizontal Slider	AA®3110HW Horizontal Slider	AA®3610AA ®3610S Vertical Slider
Applications					
New build	■	■	■	■	■
Refurbishment	■	■	■	■	■
Key Features					
BRE Green Guide Rating°	A				
Optimum ventilation	■	■	■	■	■
Dual colour option	■	■	■	■	■
Punched openings	■	■	■	■	■
Triple Glazing	■+	■+			
Bead glazing	■	■			■
Wrap around glazing			■	■	
100mm restriction			■	■	■
Choice of Panel/Sash	■		■	■	■
Trickle ventilation	■				■
Suites with AA®100/AA®110 curtain walling	□	□	■	■	■
Suites with AA®720 Range	■	■			
Suites with 451PT framing					■
Special Applications					
Anti-ligature applications				■	
Performance					
Weather performance (BS 6379)	■	■	■	■	■
Security to PAS 24:2012	■	■	■		■
Document F compliant*†	■	■	■	■	■
Document L compliant†	■	■	■	■	■
Accessories					
Locking handle	■	■	■	■	■
Espagnolette locking			■	■	
Multi-point locking	■	■	■	■	
Releasable and fixed restrictors available			■	■	■
Window Types					
Horizontal Sliding	■	■	■	■	
Vertical Sliding					■

Notes
* When fitted with trickle vent
† Dependant on window size and configuration
+ Optional/Limited
° Corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A for non-domestic schemes
www.thegreenguide.org.uk Element Number 1231500007
□ Subject to detail/assessment



Kingston, London
Architect: Sprunt
AA®100 50mm Curtain Wall,
AA®543 Tiltturn Windows,
AA®3572 Lift/Slide Doors
and AA®720 Doors
Photo: Positive Image Photography

AA®3720 Folding/Sliding Door

Introduction

The AA®3720 Folding/Sliding Door is a solution for projects that demand the highest levels of thermal and weathering performance at a competitive price

The AA®3720 uses advanced thermal break technology ensuring thermal efficiency and full compliance with Approved Document L. The polyamide thermal break allows for single and dual colour options. The use of extruded gasket profiles and drain and ventilate strategy enable the system to achieve its weathering performance

The AA®3720 provides a door with market leading capabilities, equally suited to the discerning home owner or installed in commercial premises that wish to enhance their environment

Our product development team focused on market demands to produce a door with high performance and innovation offering

- Aesthetic Appeal
- Especially Slim Sightlines
- Simplified Fabrication
- Patented Features

Product Features and Benefits

- Highly insulated profiles with U_f-values as low as 1.8 W/m²K for frame/vent combinations - uw-values as low as **1.0 W/m²K** at the maximum panel size (using 0.7 W/m²K triple glazing and warm edge technology)
- A range of door configurations in either open-in or open-out stack variants - total flexibility for all project applications

- Panel sizes upto 1200mm(W) & 2930mm(H)** - Can achieve solutions in the most demanding of applications
- Slim sightlines - no floating mullions - Reduced metal content and increased fabrication efficiency
- Stainless steel rollers for smooth and effortless operation
- Choice of threshold options - continuity between internal and external spaces. Rebated, low and sunken track options to add further design capability
- Innovative design features - patented technology providing premium product performance
- Suites with the AA®720 Window Series - total design flexibility offering total project solutions

** Dependant upon glass size and weight

Construction

Weathering is achieved by the use of EPDM gaskets and woolpile. The door is designed to be pressure equalised and fully drained

Security

The AA®3720 Folding/Sliding Door has been independently tested to PAS 24:2012.

* Does not refer to standard hardware, security hardware required

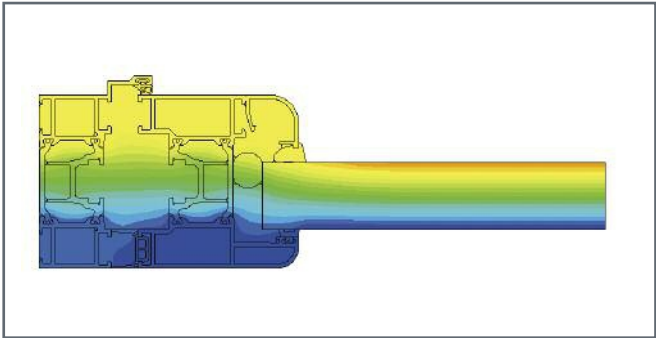


Independently Weather Performance Tested to BS 6375-1: 2015

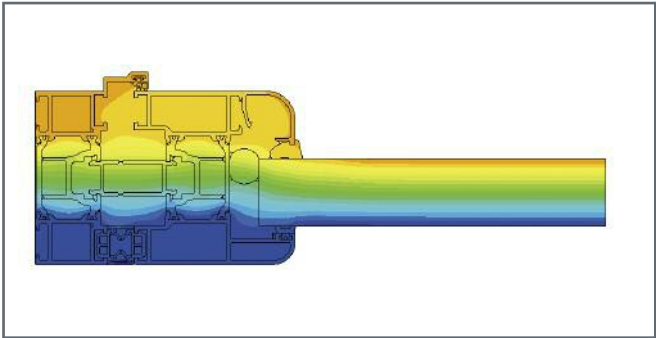
	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208:2000	Wind Resistance BS EN 12210:2000
AA®3720 Folding/Sliding Door	Class 3 (600 Pa)	Class E750 (750 Pa)	Class A5 (1600 Pa)

All Windows comply with Operation and Strength Test BS 6375 Pt2: 2015

Details of the Kawneer product tests are available from the Technical Services Department at Runcorn



Standard Thermal Variant - Open Out



Enhanced Thermal Variant - Open Out

Enhanced Thermal Option

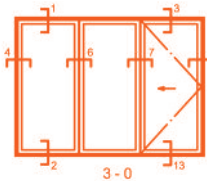
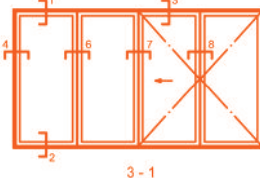
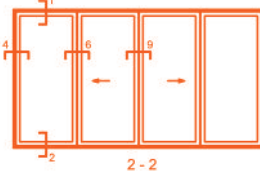
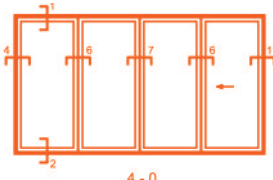
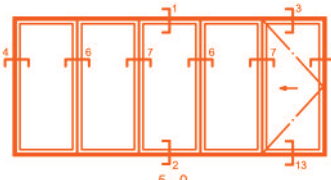
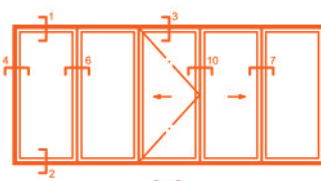
The addition of simple thermal shields divides the thermal chambers further to improve the thermal performance with minimal additional cost or fabrication. Enhancements of 0.1 W/m²K are possible with this addition

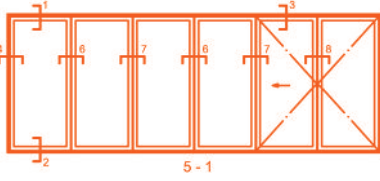
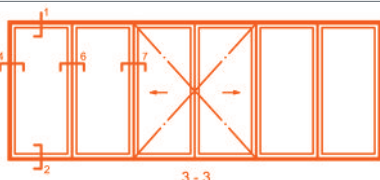
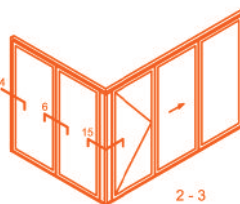


AA®3720 Folding/Sliding Door Applications

Typical Elevations

Full details can be downloaded from our websitewww.kawneer.co.uk

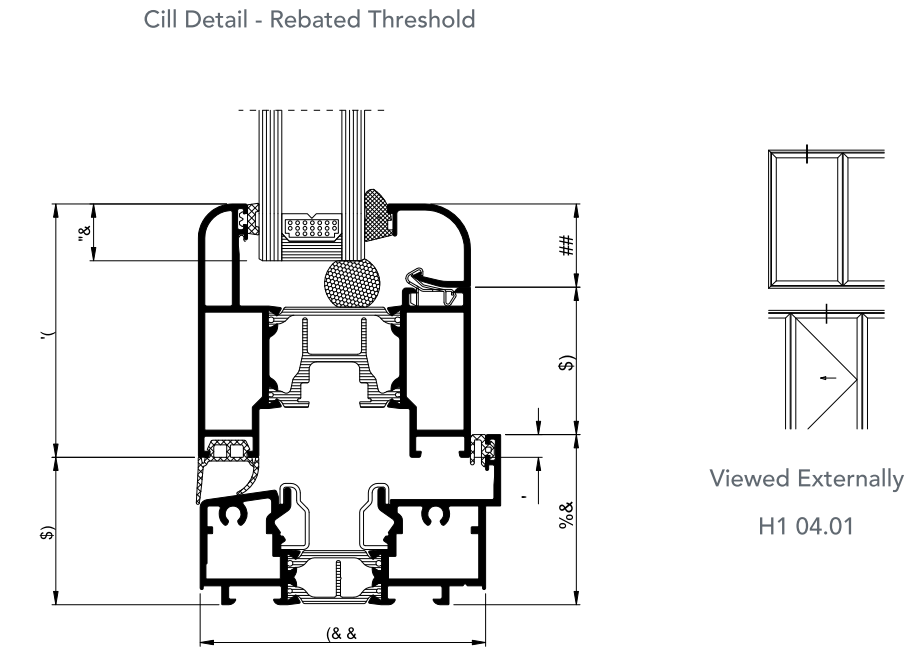
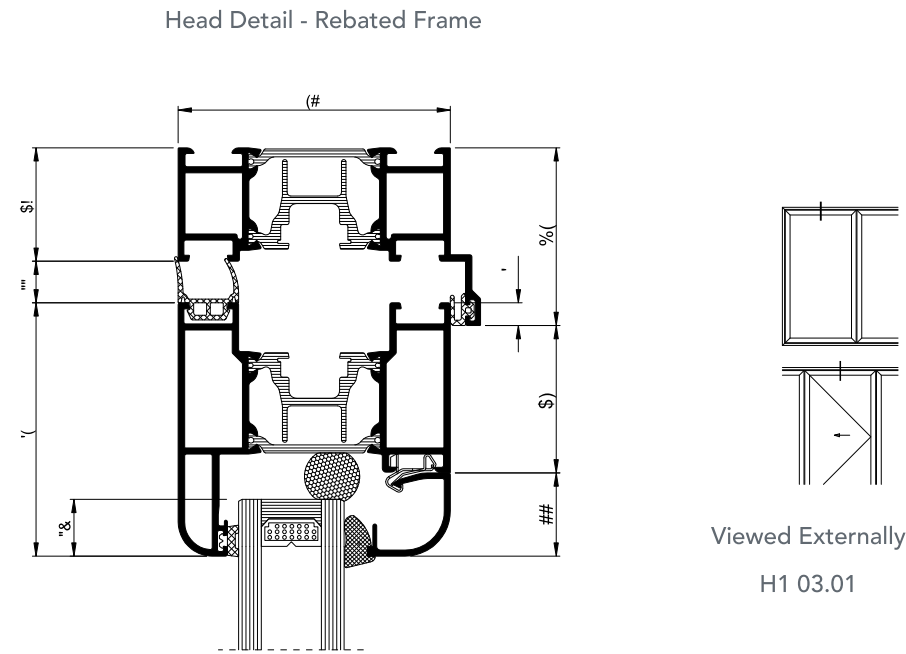
Elevation	Title		Website CAD ref. no	
			Open-out	Open-in
	1, 3 2 4 5 6 7 13	Head Threshold Frame, panel with hinge Frame, panel with latch lock / handle Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge Cill arrangement	H1 03.01, H1 07.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 10.01 H1 11.01, h1 12.01 H1 13.01, H1 14.01 H1 24.01	H2 03.01, H2 07.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 10.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01
	1, 3 2 4 6 7 8	Head Threshold Frame, panel with hinge Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge Panel / panel, latch lock / handles / shoot bolt	H1 03.01, H1 07.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 13.01, H1 14.01 H1 15.01	H2 03.01, H2 07.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01 H2 15.01
	1 2 4 6 9	Head Threshold Frame, panel with hinge Internal hinge / handle with shoot bolt Panel / panel, latchless lock	H1 03.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 16.01, H1 17.01	H2 03.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 11.01, H2 12.01 H2 16.01, H2 17.01
	1 2 4 6 7 11	Head Threshold Frame, panel with hinge Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge Frame / panel, latchless lock	H1 03.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 13.01, H1 14.01 H1 20.01, H1 21.01	H2 03.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01 H2 20.01, H2 21.01
	1, 3 2 4 5 6 7 13	Head Threshold Frame, panel with hinge Frame, panel with latch lock / handle Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge Cill arrangement	H1 03.01, H1 07.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 10.01 H1 11.01, H1 12.01 H1 13.01, H1 14.01 H1 24.01	H2 03.01, H2 07.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 10.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01
	1, 3 2 4 6 7 10	Head Threshold Frame, panel with hinge Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge Panel / panel, latch lock, roller set single	H1 03.01, H1 07.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 13.01, H1 14.01 H1 18.01, H1 19.01	H2 03.01, H2 07.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01 H2 18.01, H2 19.01

Elevation	Title		Website CAD ref. no	
			Open-out	Open-in
	1, 3 2 4 6 7 8	Head Threshold Frame, panel with hinge Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge Panel / panel, latch lock / handles / shoot bolt	H1 03.01, H1 07.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 13.01, H1 14.01 H1 15.01	H2 03.01, H2 07.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01 H2 15.01
	1, 3 2 4 6 7	Head Threshold Frame, panel with hinge Internal hinge / handle with shoot bolt Panel / panel, roller set double & hinge	H1 03.01, H1 25.01 H1 04.01, H1 05.01, H1 06.01 H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 13.01, H1 14.01	H2 03.01 H2 04.01, H2 05.01, H2 06.01 H2 08.01, H2 09.01 H2 11.01, H2 12.01 H2 13.01, H2 14.01
	4 6 15	Frame, panel with hinge Internal hinge / handle with shoot bolt Panel corner post 90°	H1 08.01, H1 09.01 H1 11.01, H1 12.01 H1 26.01	



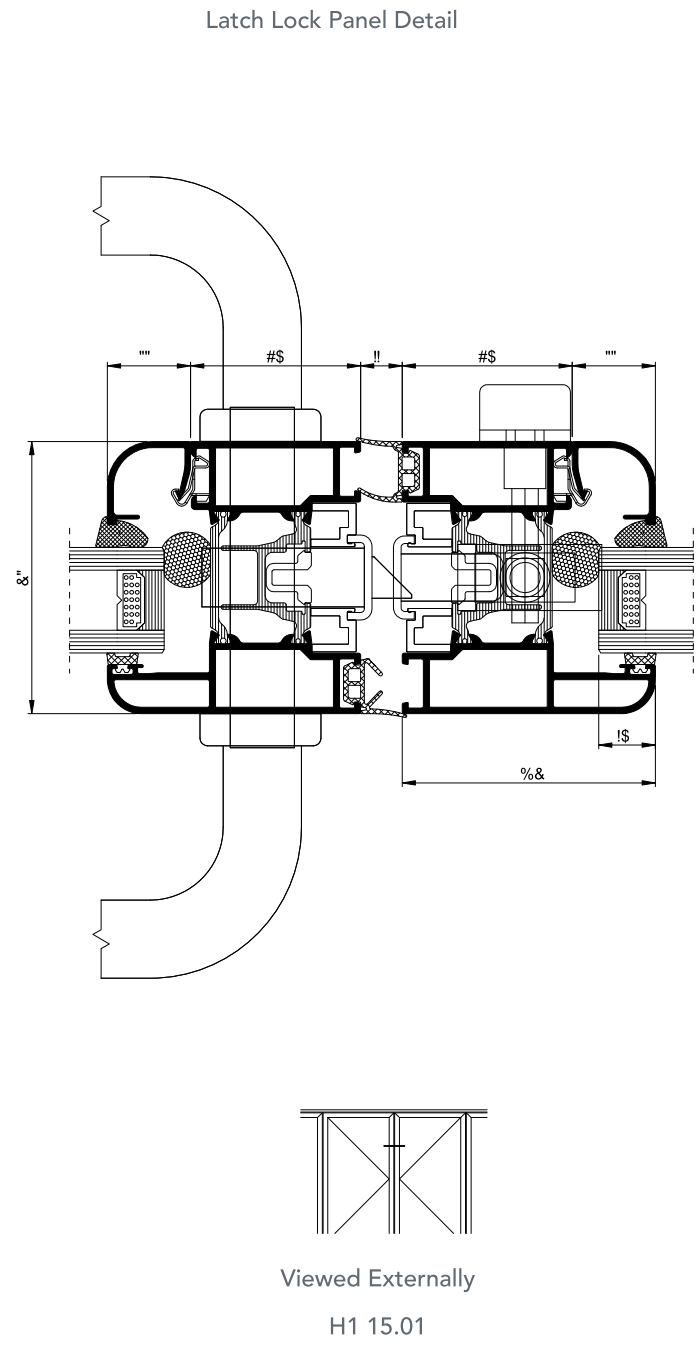
AA®3720 Folding/Sliding Door

Full details can be downloaded from our website www.kawneer.co.uk



AA®3720 Folding/Sliding Door

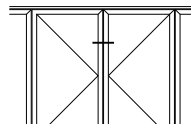
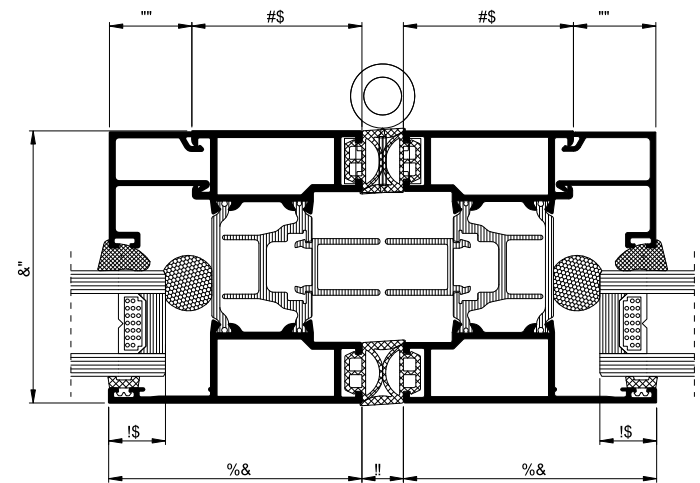
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AA®3720 Folding/Sliding Door

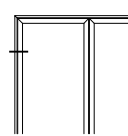
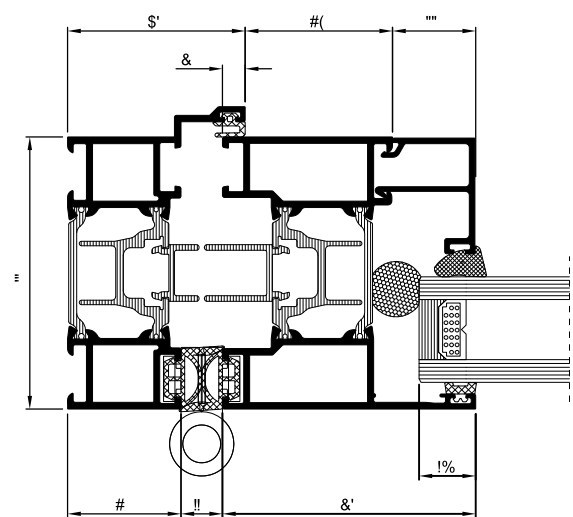
Full details can be downloaded from our website www.kawneer.co.uk

Shoot Bolt Locking Panel Detail



Viewed Externally
H1 12.01

Jamb Detail



Viewed Externally
H1 09.01



AA®3572 Lift/Slide Door

Introduction

The AA®3572 Lift/Slide Door is a solution for projects that demand the highest levels of thermal and weathering performance

The AA®3572 thermally insulated system delivers optimum levels of quality and performance with the lift/slide technology providing effortless operation enabling maximum panel sizes up to 3m x 3m with maximum weights up to 400Kg

Robust profiles with high insulation values enable large areas of glass for freedom of design. The option of slim meeting stiles allow the system to remain unobtrusive. As a sliding system, it is an ideal space saving solution where safety is a consideration and projecting swing doors are undesirable

The double EPDM gasket with continuous rebate provides exceptional weathering performance and high levels of sound reduction

Product Features and Benefits

- Highly insulated profiles with U_f values as low as 1.8 W/m²K for frame/vent combinations - uw-values as low as **0.8 W/m²K** at the maximum panel size (using 0.6 W/m²K triple glazing and Swisspacer V bar)
- Panel sizes up to 3m x 3m can achieve large, uninterrupted areas of glazing
- Panel weights up to 400Kg - can easily accommodate triple and acoustic glazing up to 56mm
- 2 and 3 track options - arrangements with up to 6 panels

- In line sliding operation for safe operation with no interference with internal finishes
- Stainless steel rollers offer smooth and effortless operation
- Low profile thresholds giving continuity between internal and external spaces
- Suites with the AA®720 Window Series and AA®100/AA®110 Curtain Walling Systems with total design flexibility offering total project solutions

Construction

Two track and three track lifting/sliding system. The AA®3572 is a multi-chamber thermally efficient system depending on construction type with 1, 2 or 3 insulation zones and is manufactured from high quality aluminium 6063T6 alloys in accordance with BS EN 12020

Thermal Performance

The AA®3572 Lift/Slide Door achieves a Double Glazed U-value of 1.4 W/m²K and a Triple Glazed U-value of 0.83 W/m²K

* U-values based on 2 pane assembly measuring 2180mm x 2350mm (BS EN 10077) using 1.1 W/m²K double glazing or 0.6 W/m²K triple glazing with Swisspacer V bar

Security*

The AA®3572 Lift/Slide Door has been independently tested to PAS 24:2012.

** Does not refer to standard hardware, security hardware required



Independently Weather Performance Tested to BS 6375-1: 2015

	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208:2000	Wind Resistance BS EN 12210:2000
AA®3572 Lift/Slide Door	Class 4 (600 Pa)	Class 9A (600 Pa)	Class C3 (1200 Pa)

Details of the Kawneer product tests are available from the Technical Services Department at Runcorn

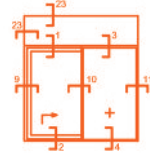
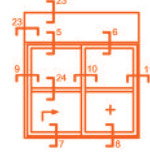
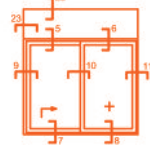
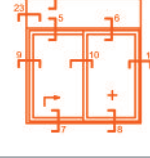
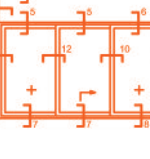
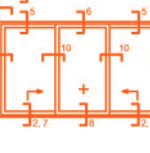
Kingston, London
Architect: Sprunt
AA®100 50mm Curtain Wall,
AA®543 Tiltturn Windows,
AA®3572 Lift/Slide Doors
and AA®720 Doors
Photo: Positive Image Photography

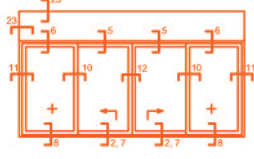
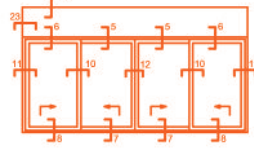
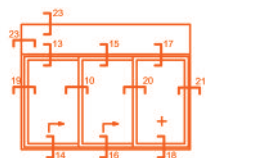
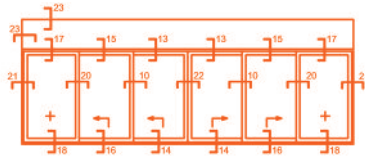


AA®3572 Lift/Slide Door Applications

Typical Elevations

Full details can be downloaded from our websitewww.kawneer.co.uk

Elevation	Title		Website CAD ref. no
	Scheme A 1 Sliding Panel inside 1 Fixed Panel outside 1 Fanlight (optional)	1	Sliding Vent - Head
		2	Sliding Vent - Cill
		3	Fixed Panel - Head
		4	Fixed Panel - Cill
		9	Sliding Vent - Lock Jamb
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		23	Fanlight Frame
			H01.04, H03.01
			H01.05
	Scheme A 1 Sliding Panel inside (with optional muntin) 1 Fixed Vent outside (with optional sash transom) 1 Fanlight (optional)	5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		9	Sliding Vent - Lock Jamb
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		24	Muntin
		23	Fanlight Frame
			H01.08, H03.01
	Scheme A 1 Sliding Panel inside 1 Fixed Vent outside 1 Fanlight (optional)	5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		9	Sliding Vent - Lock Jamb
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		23	Fanlight Frame
			H01.09
			H01.10
	Scheme D 1 Sliding Panel inside 1 Fixed Vent outside 1 Fanlight (optional)	5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		9	Sliding Vent - Lock Jamb
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		23	Fanlight Frame
			H01.11
			H01.12
	Scheme G 1 Fixed Vent inside 1 Sliding Panel inside 1 Fixed Vent outside 1 Fanlight (optional)	5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		9	Sliding Vent - Lock Jamb
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		12	Meeting Stile
		23	Fanlight Frame
			H01.13
	Scheme H 1 Sliding Panel inside 1 Fixed Vent outside 1 Sliding Panel inside 1 Fanlight (optional)	2	Sliding Vent - Cill
		5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		9	Sliding Vent - Lock Jamb
		10	Sliding Vent/Fixed Panel Interlock
		23	Fanlight Frame
			H01.14
			H03.02

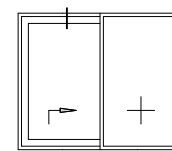
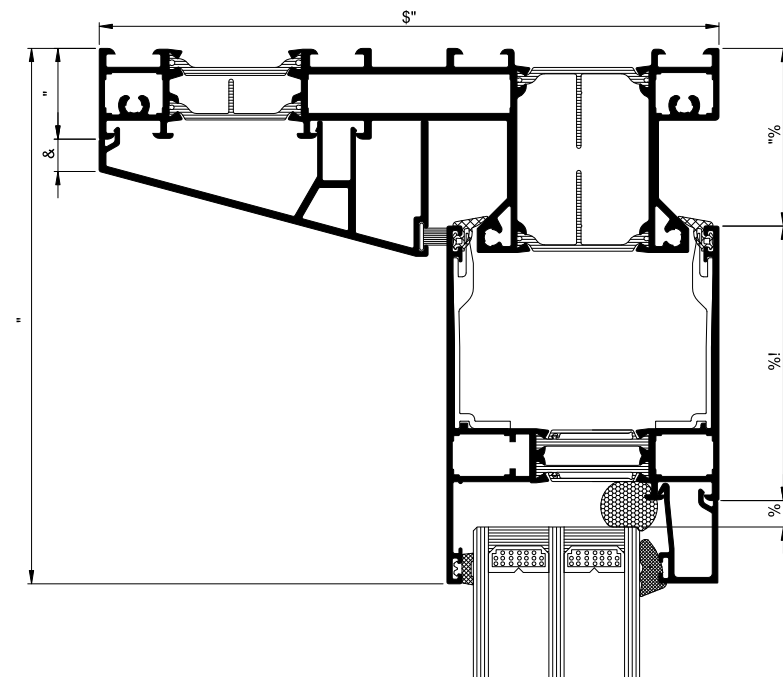
Elevation	Title		Website CAD ref. no
	Scheme C 1 Fixed Vent outside 2 Sliding Panels inside 1 Fixed Vent outside 1 Fanlight (optional)	2	Sliding Vent - Cill
		5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		12	Meeting Stile
		23	Fanlight Frame
			H01.05
	Scheme F 1 Sliding Panel outside 2 Sliding Panels inside 1 Sliding Panel outside 1 Fanlight (optional)	5	Sliding Vent - Head
		6	Fixed Panel - Head
		7	Sliding Vent - Cill
		8	Fixed Panel - Cill
		10	Sliding Vent/Fixed Panel Interlock
		11	Fixed Panel Jamb
		12	Meeting Stile
		23	Fanlight Frame
			H01.08, H03.01
			H01.09
	Scheme E 1 Sliding Panel inside 1 Sliding Panel centre 1 Fixed Vent outside 1 Fanlight (optional)	10	Sliding Vent/Fixed Panel Interlock
		13	Sliding Vent inside - Head
		14	Sliding Vent inside - Cill
		15	Sliding Vent centre - Head
		16	Sliding Vent centre - Cill
		17	Fixed Panel outside - Head
		18	Fixed Panel outside - Cill
		19	Sliding Vent inside - Jamb
		20	Sliding Vent/Fixed Panel Interlock
		21	Fixed Panel outside - Jamb
	Scheme L 1 Fixed Vent outside 1 Sliding Panel centre 2 Sliding Panels inside 1 Sliding Panel centre 1 Fixed Vent outside 1 Fanlight (optional)	10	Sliding Vent/Fixed Panel Interlock
		13	Sliding Vent inside - Head
		14	Sliding Vent inside - Cill
		15	Sliding Vent centre - Head
		16	Sliding Vent centre - Cill
		17	Fixed Panel outside - Head
		18	Fixed Panel outside - Cill
		20	Sliding Vent/Fixed Panel Interlock
		21	Fixed Panel outside - Jamb
		22	Meeting Stile
		23	Fanlight Frame
			H02.02
			H02.03
			H02.04
			H02.05
			H02.06
			H02.07
			H02.11
			H02.12
			H03.02



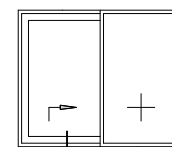
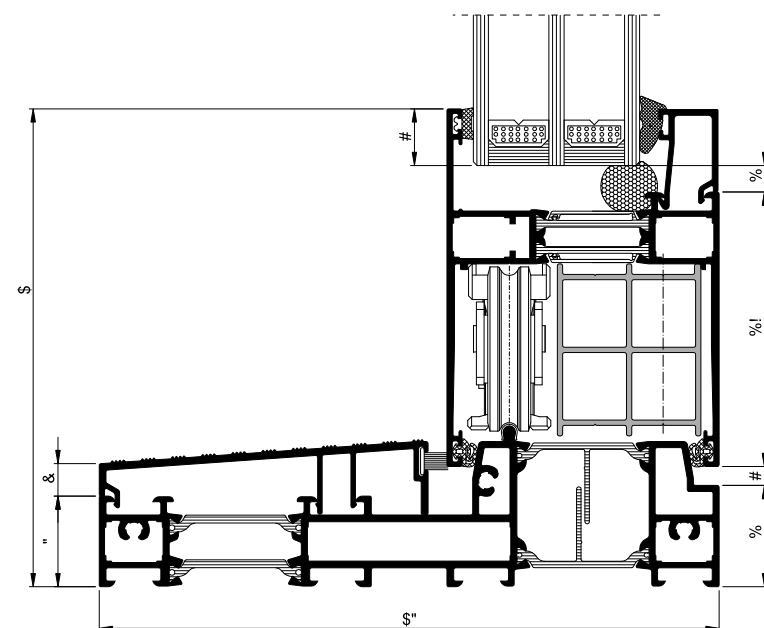
AA®3572 Lift/Slide Door

Full details can be downloaded from our website www.kawneer.co.uk

Head and Cill Detail – Scheme A



H01.04

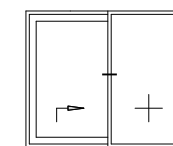
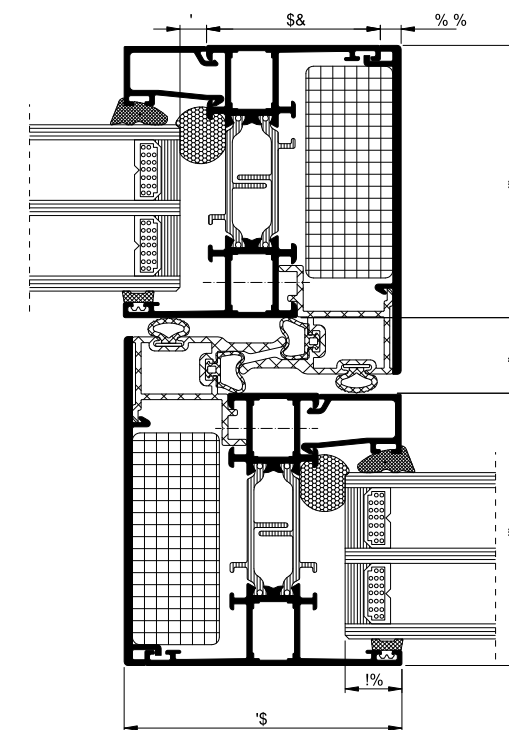


H01.05

AA®3572 Lift/Slide Door

Full details can be downloaded from our website www.kawneer.co.uk

Interlock Detail

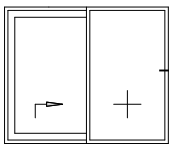
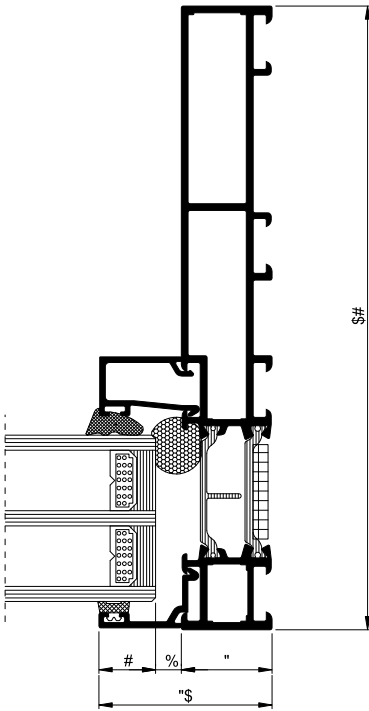


H01.13

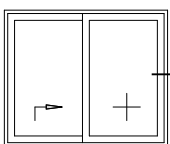
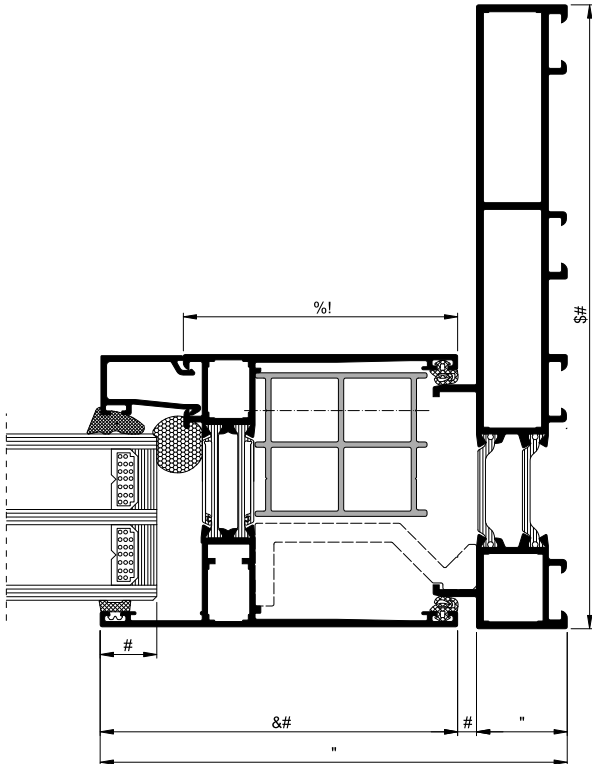
AA®3572 Lift/Slide Door

Full details can be downloaded from our website www.kawneer.co.uk

Fixed Panel Options



H01.14



H01.14

Kingston, London
Architect: Sprunt
AA®100 50mm Curtain Wall
AA®543 Tiltturn Windows,
AA®3572 Lift/Slide Doors
and AA®720 Doors
Photo: Positive Image Photography



AA®3110 Horizontal Sliding Window

Introduction

The AA®3110 horizontal sliding window is designed to meet the needs of any project that requires maximum ventilation including general healthcare applications and mental health facilities. The AA®3110 horizontal sliding window has been designed to ensure that the needs of the user are paramount with its easy to operate functions and compliance with the HTM 55 regulations

The AA®3110 is the product that you can specify with confidence when specifying demanding healthcare projects

Product Features and Benefits

- Unique perforated wrap around glazing gasket, required when an anti-ligature solution is essential when handling demanding hospital projects
- Stainless steel track with adjustable wheels, offering smooth operation designed with the end user in mind
- Concealed locking mechanism
- Option for operation from both inside and outside offering a project solution for balcony applications
- Double or single sliding including 3 or 4 door and window options offering total flexibility for all project applications
- Self regulation ventilator in line with wind pressure, ideal to maximise air flow and ensure comfort for the occupants
- Dual colour option for specification of a different colour finish inside and outside
- Window when open does not project into the building, ideal when safety is a consideration on a project
- Accommodates glazing up to 33mm. Suitable for specialist and safety glazing and interstitial blinds

- Maximum panel height is 2.7m
- Maximum panel width is approximately 2.0m
- Maximum panel weight is 200kg
- Improved thermal performance can meet current Building Regulations

Construction

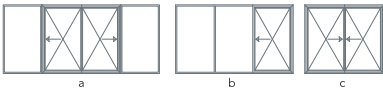
Weathering is achieved by the use of EPDM gaskets and woolpile. The window is designed to be pressure equalised and fully drained

Configurations

The AA®3110 offers various design configurations, below are a few typical examples



Sliding sash/fixed frame



- a Sliding sash/fixed frame 4 part
- b Sliding sash/fixed frame with side light
- c Sliding sash

Security

The AA®3110 Horizontal Sliding Window has been independently tested to PAS 24:2012

* Does not refer to standard hardware, security hardware required



Independently Weather Performance Tested to BS 6375-1: 2015

	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208:2000	Wind Resistance BS EN 12210:2000
AA®3110 Horizontal Slider	Class 3 (600 Pa)	Class 9A (600 Pa)	Class B5 (2000 Pa)

Performance is dependent on frame and panel combinations

Details of the Kawneer product tests are available from the Technical Services Department at Runcorn

AA®3110 Horizontal Sliding Window Applications

Typical Elevations

Full details can be downloaded from our website www.kawneer.co.uk

Elevation	Title	Website CAD ref. no
	1, 2, 3, 4 Sliding sash/fixed frame 2-part single track - inside slide	H01.01
	5, 6, 6a, 7 Sliding sash/fixed frame 2-part single track - inside slide	H01.01
	1, 2, 3, 4, 6, 7 Sliding sash/fixed frame 3-part single track - inside slide	H04.01
	1, 2, 3, 4, 6, 7, 8 Sliding sash/fixed frame 3-part single track - inside slide	H05.01
	1, 2, 3, 4, 6, 7, 8, 9 Sliding sash/fixed frame 4-part with meeting stiles single track - inside slide	H07.01
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Sliding sash/fixed frame with fan light 2-part single track - inside slide	H09.01
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Sliding sash/fixed frame 2-part single track - inside slide over a fixed light	H10.01

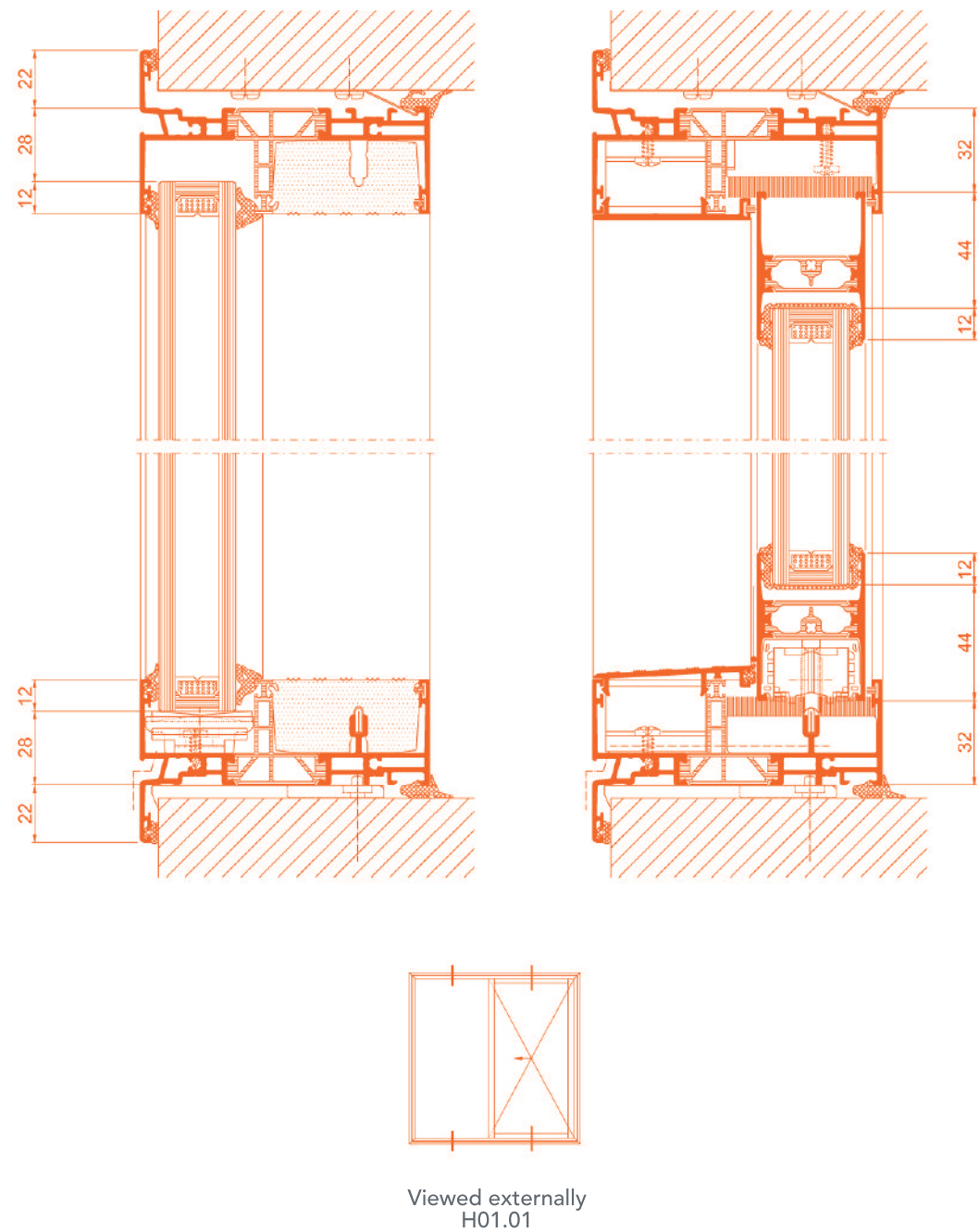
Elevation	Title	Website CAD ref. no
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Sliding sash/fixed frame with side light 2-part single track - inside slide	H12.01
	1, 2, 3, 4, 5, 6, 6a, 7 Sliding sash/fixed frame with fixing lugs 2-part single track - inside slide	H13.01
	1, 2, 3, 4, 5, 6, 6a, 7 Sliding sash frame 2-part double track - double slide	H14.01
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Sliding sash frame 2-part double track - double slide over fixed light	H15.01
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Sliding sash/fixed frame 2-part double track - double slide with fan light	H16.01

AA®3110 Horizontal Sliding Window

Full details can be downloaded from our websitewww.kawneer.co.uk

Standard Drainage Option

Sash/Fixed Frame 2-Panel / Single Track – Inside Slide

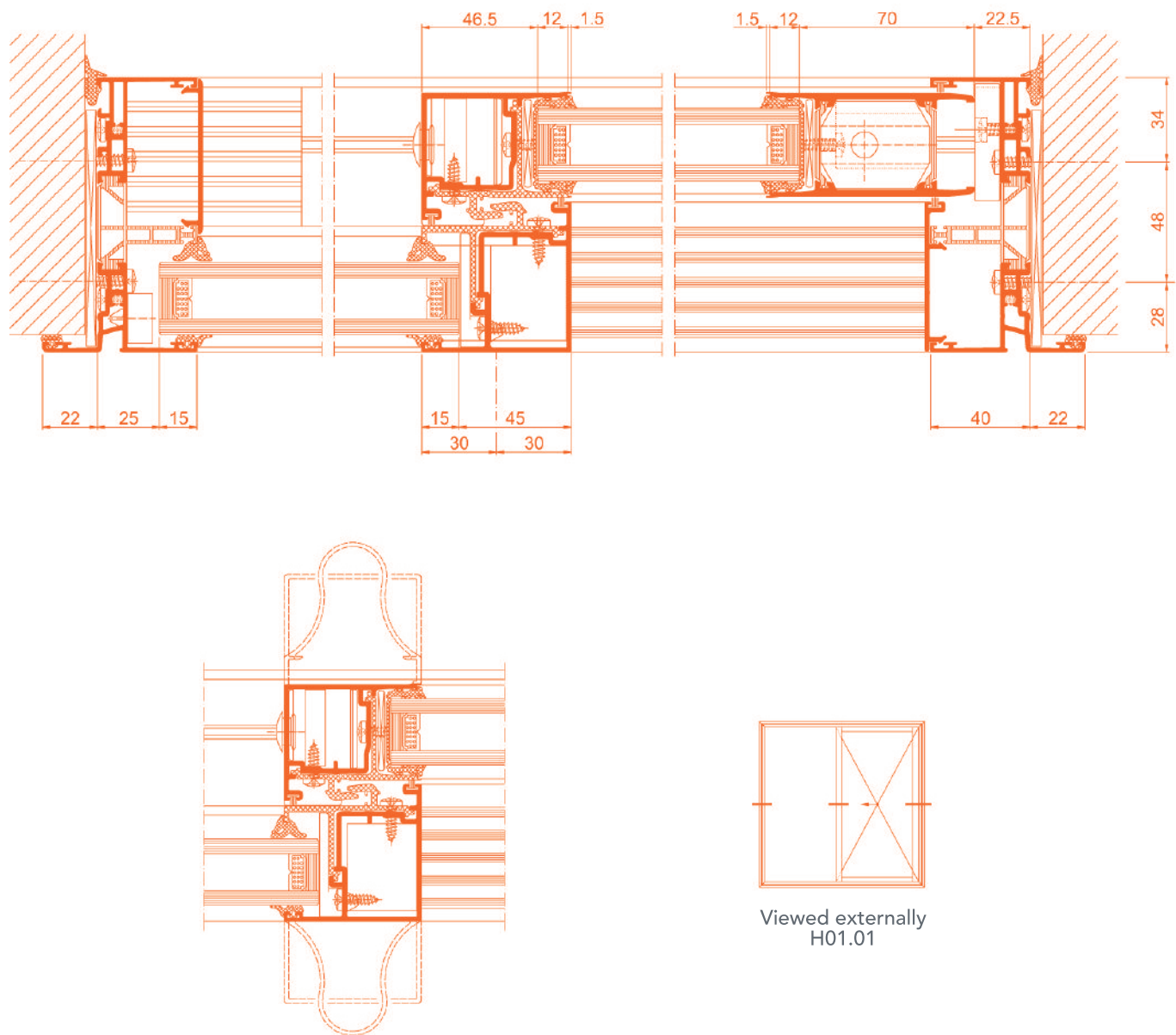


AA®3110 Horizontal Sliding Window

Full details can be downloaded from our websitewww.kawneer.co.uk

Standard Drainage Option

Sash/Fixed Frame 2-Panel / Single Track – Inside Slide

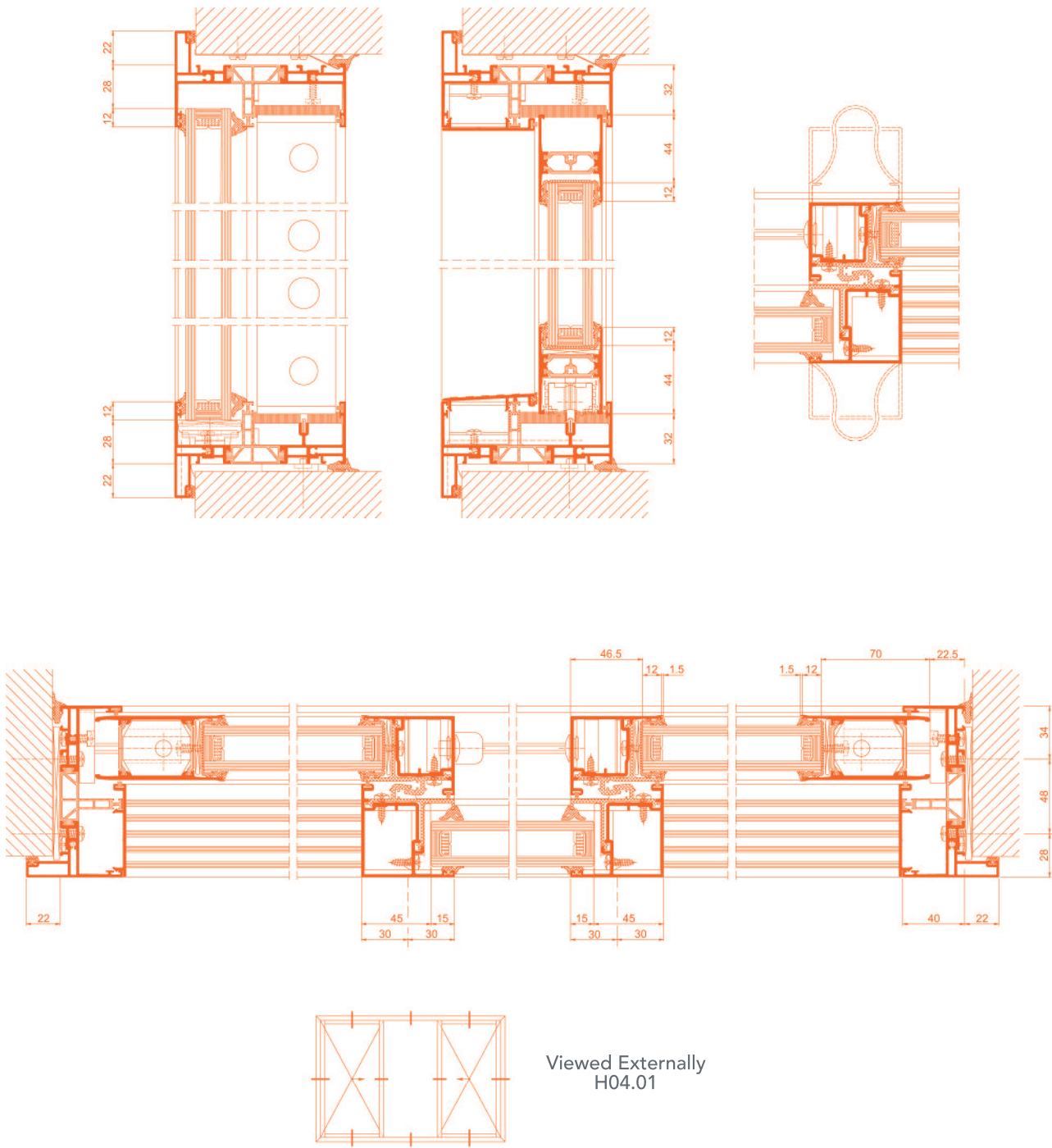


AA®3110 Horizontal Sliding Window

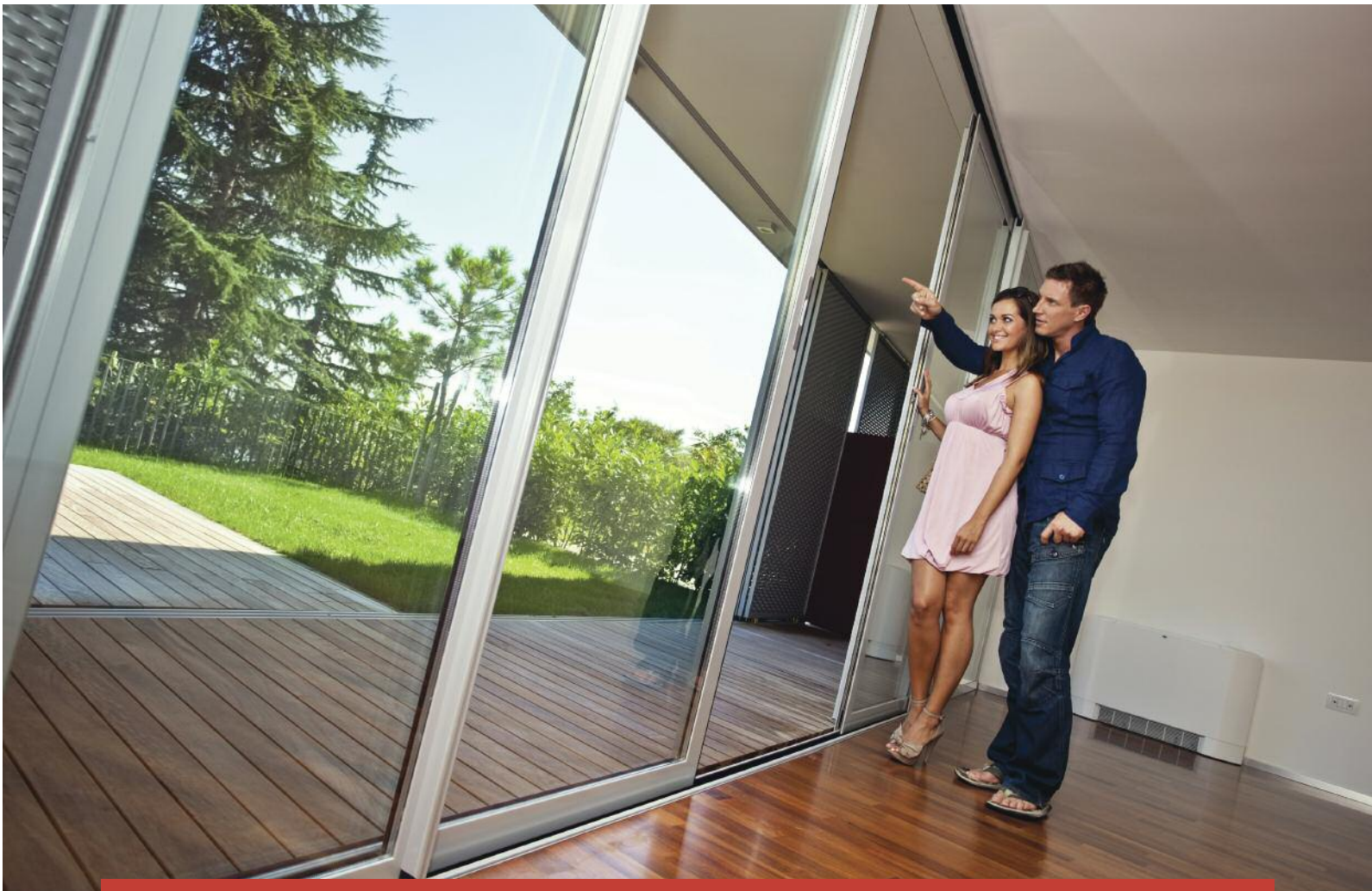
Full details can be downloaded from our website www.kawneer.co.uk

Concealed Drainage Option

Sash/Fixed Frame 3-Panel / Single Track – Inside Slide



AA®3110 Window with fixed lights above and below



AA®3110HW Healthcare Window

Introduction

Working in partnership with several Healthcare Trusts across the UK, Kawneer developed the AA®3110HW horizontal sliding window with key features which makes this window suitable for use within the Mental Healthcare sector. Our experience has highlighted the need to be flexible with the patients needs whilst ensuring that their safety and well being is paramount.

The AA®3110HW is the product you can specify with confidence

Product Features and Benefits

- Perforated glazing gasket that breaks into harmless pieces when an attempt is made to remove it from the window
- No glazing bead so cannot be removed and used as a weapon or for self-harm
- Specialist hardware, an aesthetically designed handle with no ligature risk
- Concealed window locking, locking at 125mm opening offering safety and security*
- Horizontal Sliding Window which does not open into the room, no ligature point is formed by the opening of the window
- Fully tested for safety in use giving you peace of mind in even the most stringent conditions. The three security levels offered ensure that you have the flexibility to choose the right solution for each application
- Proven in use in even the most stringent conditions, a robust solution to meet the needs of all applications

- Excellent weather performance offering you peace of mind and comfort for the end user
- Perforated stainless steel mesh allowing ventilation, visibility and security. Stops the flow of contraband in or out of the window

** Locking at 100mm compliant with HTM 55 and BS 8213 is also available*

Ventilation

The pursuit of naturally ventilated building solutions has become a vital component when considering the design of hospitals which is driven by a desire for a healthier environment. The purpose of ventilation is to move stale air from within a building replacing it with fresh air from the outside.

AA®3110HWHealthcare Window Product Selector

Features	Security Levels		
	Level 1	Level 2	Level 3
Locked open at 125mm	■		
Permanently restricted opening to 125mm	■		
Window can open fully	■	■	■
Anti-ligature handles	■	■	■
Perforated wrap around glazing gasket for sash	■	■	■
Anti-lift blocks (stops removal of sash)	■	■	■
Window does not project into the room	■	■	■
Double sliding	■		
Single sliding	■	■	■
Perforated stainless steel mesh covers the opening aperture vent (visible at all time\$)		■	
Perforated stainless steel mesh covers the opening aperture vent (only visible from inside when window open)			■
Perforated stainless steel mesh hidden on the other side of the wall			■
Secure clip-in plates	■	■	■
Window sensors can be fitted (optiona)	■	■	■
Tested at the BRE to 600 Pa air and water penetration	■	■	
Tested at the BRE to 300 Pa air and water penetration	■	☎	☎
Integral blinds can be fitted with suitable glazing	■	■	■

☎ Contact our Architectural Services Team for further information on 01928 502604

Independently Weather Performance Tested to BS 6375-1: 2015

	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208:2000	Wind Resistance BS EN 12210:2000
AA®3110HW Horizontal Slider	Class 3 (600 Pa)	Class 9A (600 Pa)	Class B5 (2000 Pa)

Performance is dependent on frame and panel combinations

Details of the Kawneer product tests are available from the Technical Services Department at Runcorn

A ®3110HW Single Sliding Horizontal Window with fixed lights above and below



AA®3110HW Healthcare Window

Understanding the individual needs of each project, we have designed three window security levels, giving you a choice to meet your performance and budget needs

Security Level 1

- Double or single sliding windows
- Closed or locked openat 125mm – suitable where nurse operation needs to be a consideration
 - Can offer purge ventilation if required
- Permanently restricted at 125mm – can be patient operated
 - Purge ventilation not an option for this application
- Secure clip in plates
- Anti-ligature handles and hardware
- Perforated wrap around glazing gasket for sash



Locked open at 125mm
(single and double sliding options)

Security Level 2

- Single sliding window
- Permanent perforated stainless steel mesh on the outside of the window offers good visibility and ventilation
- Suitable where contraband is an issue
- No visible hardware – free opening for patient operation
- Secure clip in plates
- Anti-ligature handles
- Perforated wrap around glazing gasket for sash



Permanent mesh on the outside of the window preventing the flow of contraband in or out of the window

Security Level 3

- Single sliding window
- Anti-ligature handles and hardware
- Perforated wrap around glazing gasket for sash
- Hidden perforated stainless steel mesh (hidden on the other side of the wall)
 - Perforated stainless steel mesh comes across the window on opening
 - No visible mesh – the occupant cannot see the mesh until the window is opened
 - Perforated stainless steel mesh will stop the exchange of contraband whilst maintaining security
- Window can be opened fully – ideal for ventilation
- The patient can have full control of the window



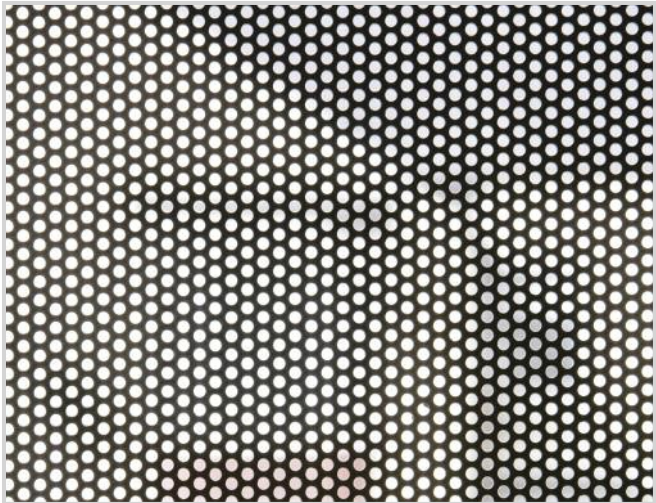
Mesh comes across the window on opening allowing good visibility but preventing the flow of contraband in or out of the window

The Specifier must ensure that the Security Level chosen is suitable for the occupants for present and future use

AA®3110HW Healthcare Window

We know that the demanding Healthcare environment requires tried and tested solutions to perform in the most onerous conditions. Understanding these specific needs has made Kawneer the system of choice for many hospital projects. Working in partnership with key Hospital Trusts we developed the AA3110HW to meet the safety needs of the user

Here are a few examples of the standard features available on the AA®3110HW Horizontal Sliding Window



1.5mm perforated stainless steel mesh, 3mm holes at 5mm centres (Security Levels 2 and 3)



Secure clip-in plates



Wrap around glazing gasket perforated at 10mm intervals which breaks into harmless pieces when there is an attempt to remove it



No ligature point

AA®3110HW Healthcare Window

Typical Elevations

Full details can be downloaded from our websitewww.kawneer.co.uk

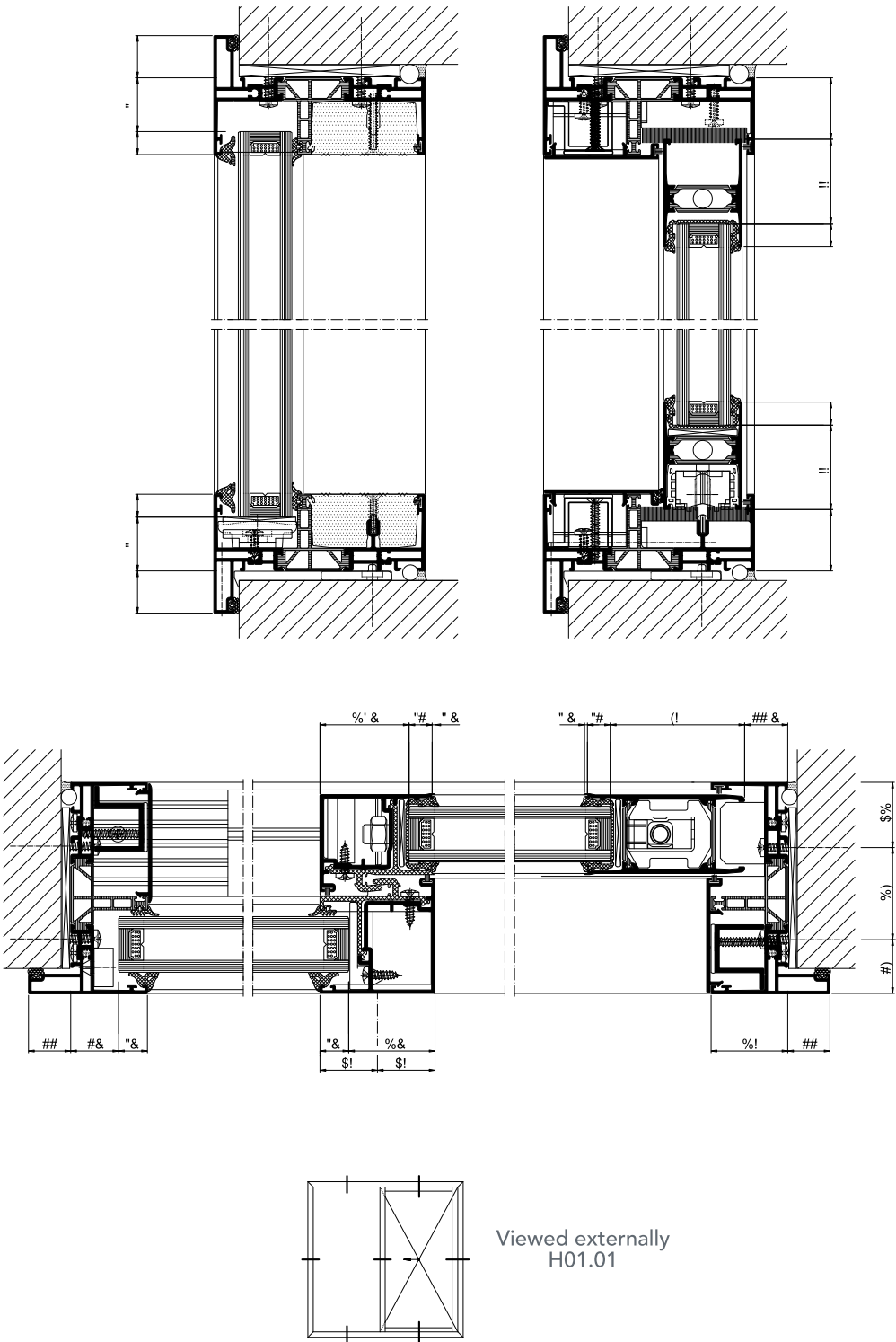
Elevation		Title	Website CAD ref. no
	1, 2, 3, 4, 5, 6, 6a, 7	Sliding sash/fix frame Level 1 - Single track	H01.01
	1, 2, 3, 4, 5, 6, 6a, 7	Sliding sash/fix frame with fixing lugs Level 1 - Single track	H03.01
	1, 2, 3, 4, 5, 6, 6a, 7	Sliding sash frame Level 1 - Double track	H04.01
	1, 2, 3, 4, 5, 6, 6a, 7	Sliding sash frame with fixing lugs Level 1 - Double track	H05.01
	1, 2, 3, 4, 5, 6, 7	Sliding sash/fix frame with mesh Level 2 - Single track	H06.01

Elevation		Title	Website CAD ref. no
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Sliding sash/fix frame with mesh and fixed light above Level 2 - Single track	H07.01
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Sliding sash frame with mesh Level 3 - Double track	H08.01
	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Sliding sash frame with mesh and fixing lugs Level 3 - Double track	H09.01
	1, 2, 3, 4, 5, 6, 7	Sliding sash/fix frame with permanent restriction Level 1 - Single track	H10.01
	1, 2, 3, 4, 5, 6, 7	Sliding sash frame with permanent restriction Level 1 - Double track	H11.01

AA®3110HW Healthcare Window

Full details can be downloaded from our websitewww.kawneer.co.uk

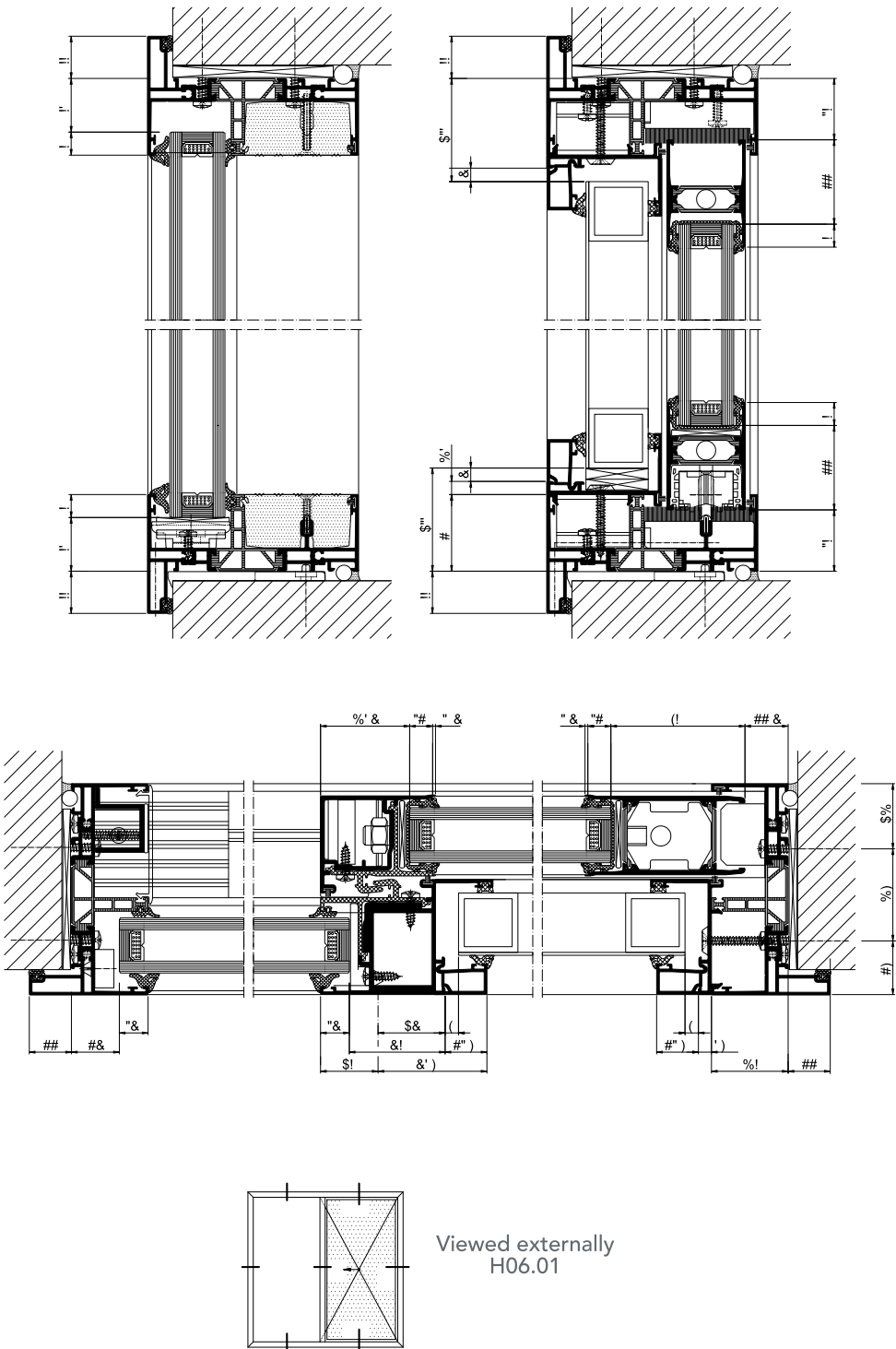
Sliding Sash/Fixed Frame – Level 1 Single Track



AA®3110HW Healthcare Window

Full details can be downloaded from our website www.kawneer.co.uk

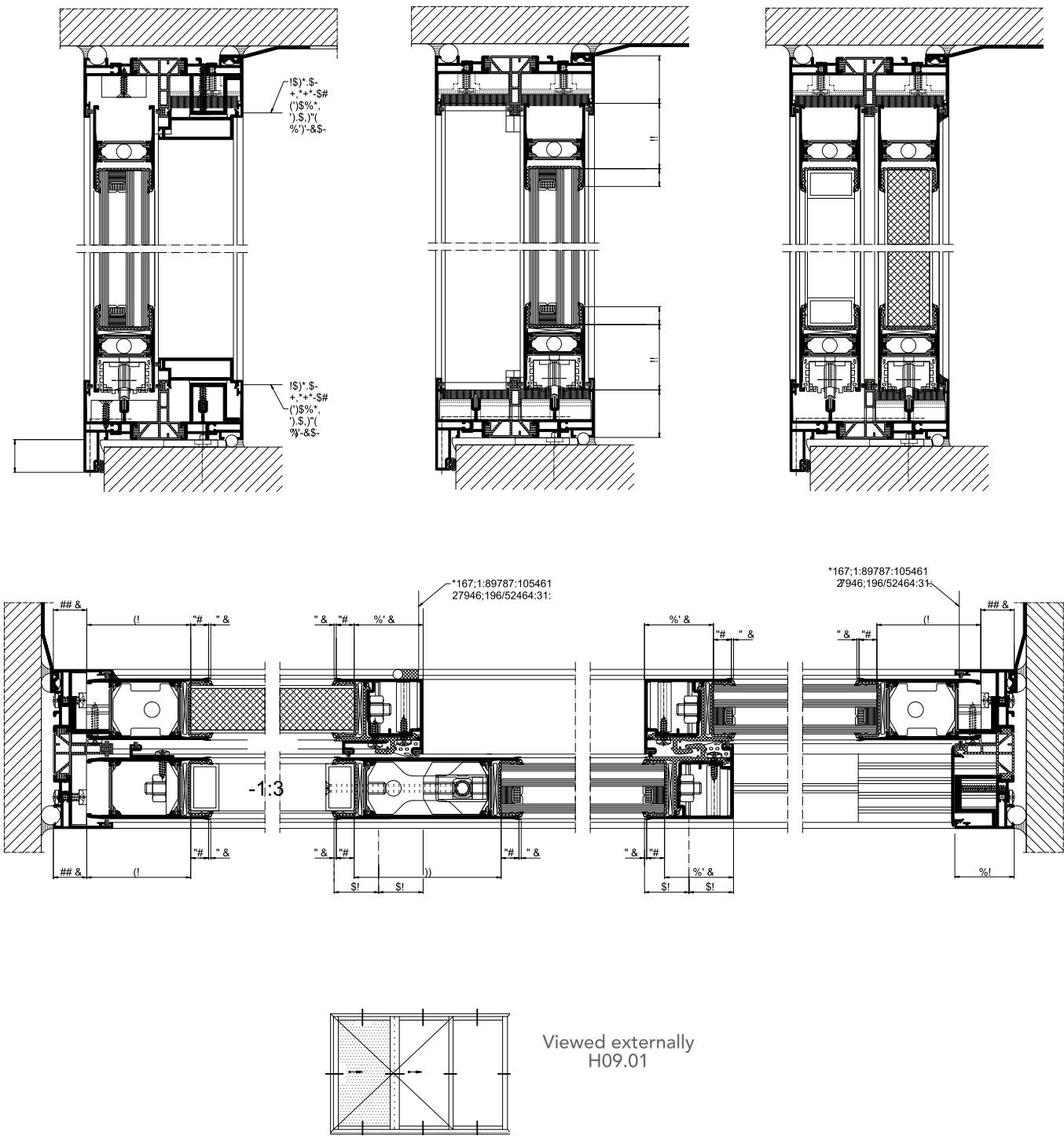
Sliding Sash/Fixed Frame with Mesh – Level 2 Single Track



AA®3110HW Healthcare Window

Full details can be downloaded from our website www.kawneer.co.uk

Sliding Sash Frame with Mesh and Fixing Lugs – Level 3 Double Track



AA®3610/AA®3610LS Vertical Sliding Windows

Introduction

The AA®3610 and AA®3610LS are the products to specify if maximum ventilation is critical to your project requirements. The ease of operation together with the optimum air flow make these windows ideal for schools and hospitals. The systems offer a fully integrated, flexible thermally broken vertical slider that has been designed with performance and aesthetics in mind.

Thermal insulation is achieved by utilising a unique polyamide thermal break design to give ultimate weather and thermal performance and smooth operation.

The AA®3610LS is a unique solution which opens the top and bottom sashes simultaneously allowing stale air out of the top of the window whilst allowing cool fresh air to be drawn in via the bottom.

Product Features and Benefits

- Vertical Sliding window featuring linked, double sliding and fixed lights for total flexibility for all project applications. Punched openings coupled or composite units can be accommodated.
- Bead glazing from 24mm-32mm can be accommodated, options to comply with thermal and safety glass.
- Option of integral muntin bar can help to replicate traditional wooden sash windows.
- Concealed drainage offering better aesthetics.
- Option of integral handle pull offering clean aesthetics.
- Unique interlock design offering exceptional weathering and thermal performance.

- Flush opening with no intrusion into or out of the building with no damage or interference with internal furnishings or blinds and offering added safety in use in ground floor applications.
- Suites with Kawneer Curtain Wall and Framing products offering total design flexibility and total project solutions.

Robust Solution

The AA®3610LS has been successfully cycle tested to represent over 75 years of use, so you can be sure that when you specify it your maintenance costs will be kept to a minimum.

Construction

Construction of both the AA®3610 and AA®3610LS are square cut screw spline joinery for consistent fabrication.

Weathering is achieved by the use of EPDM gaskets – all with non shrinkage cord. The window is designed to be pressure equalised and fully drained.

Security

The AA®3610 Vertical Sliding Window has been independently tested to PAS 24:2012.

** Does not refer to standard hardware, security hardware required*

Secured by Design



Independently Weather Performance Tested to BS 6375-1: 2015

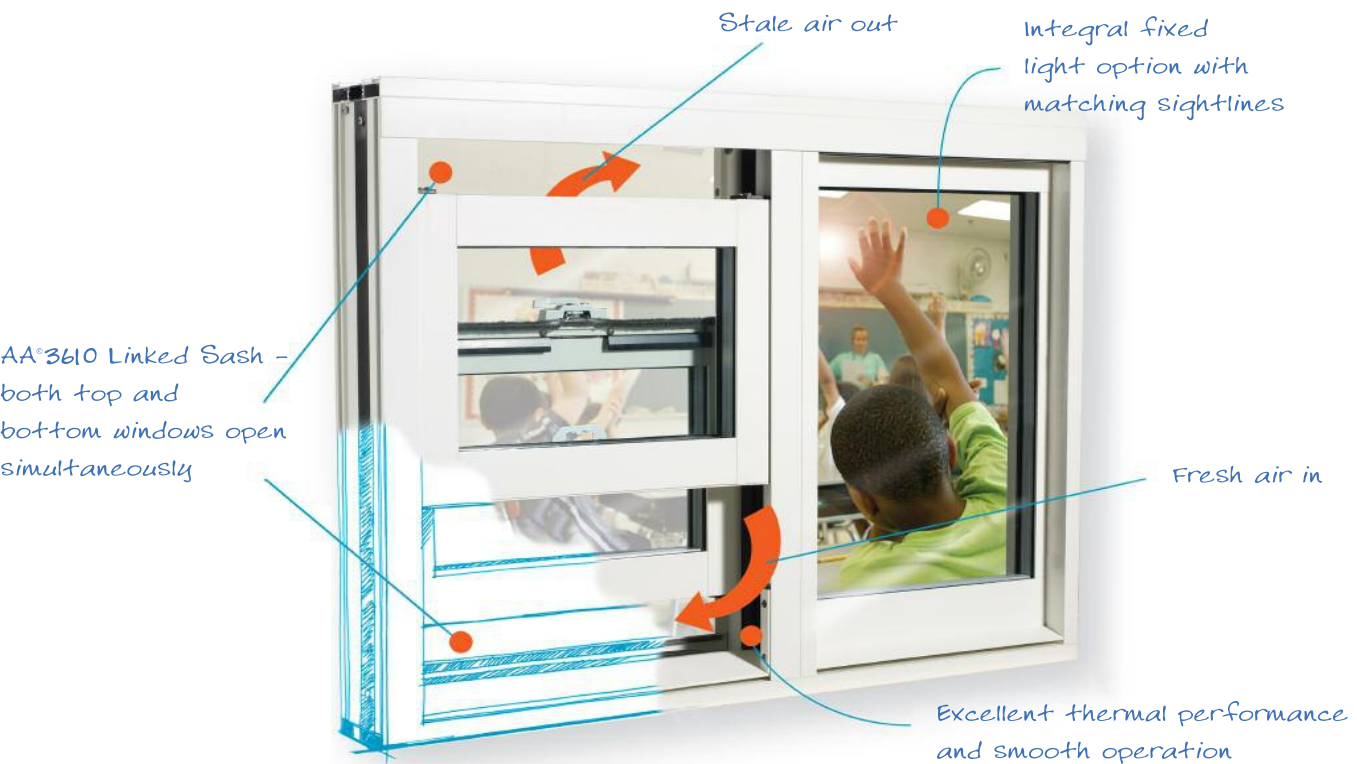
	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208:2000	Wind Resistance BS EN 12210:2000
AA®3610 Vertical Slider	Class 3 (600 Pa)	Class 9A (600 Pa)	Class B5 (2000 Pa)

Details of the Kawneer product tests are available from the Technical Services Department at Runcorn.

Product Selector

Performance	AA®3610	AA®3610LS
Torso and Ultra lift solutions available offering smooth operation to suite all project applications	■	
Single sliding option	■	
Locking fitch catch hardware available offering security in line with PAS 24: 2012*	■	
Option to open at 100mm, can comply with HTM 55 and BS 8213	■	
Ease of use, one operation gives high and low single sided ventilation, not reliant on the occupant opening multiple vents		■
High level ventilation at no extra cost, negates the need for actuators or remote operation gear to be fitted		■
Tested to equivalent of 75 years keeping maintenance costs to a minimum		■
Option of trickle ventilation	■	■

** Does not refer to standard hardware, security hardware required*



AA®3610/AA®3610LS Vertical Sliding Windows Applications

Typical Elevations

Full details can be downloaded from our websitewww.kawneer.co.uk

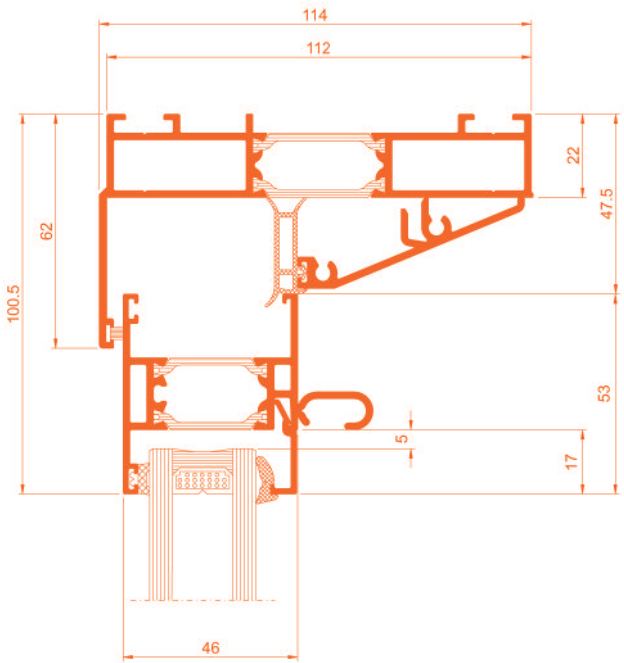
Elevation	Title		Website CAD ref. no
	1	Cill detail	H02.01
	1a	Cill detail with sub cill	H03.01
	2	Head detail 1	H04.01
	2a	Head detail 2	H05.01
	2b	Head detail (trickle vent in frame)	H06.01
	2c	Head detail (trickle vent in sash)	H07.01
	3	Interlock detail	H08.01
	4, 5	Jamb details	H10.01
	8, 9	Coupling	H12.01
	8a	Coupling	H13.01
	10	Cill - fixed light	H14.01
	10a	Cill and sub cill-fixed light	H15.01
	11	Head - fixed light	H16.01
	11a	Head - fixed light with trickle vent	H17.01
	12	Jamb - fixed light	H18.01

Elevation	Title		Website CAD ref. no
	13,14	Coupling - vertical slider/fixed light	H19.01
	13a	Coupling - vertical slider/fixed light	H20.01
	15	Fixed light/fixed light	H21.01
	15a	Fixed light/fixed light	H22.01
	16	Cill detail in AA®100 curtain walling	H23.01
	17	Head detail in AA®100 curtain walling	H24.01
	18	Jamb detail in AA®100 curtain walling	H25.01

AA®3610/AA®3610LS Vertical Sliding Windows

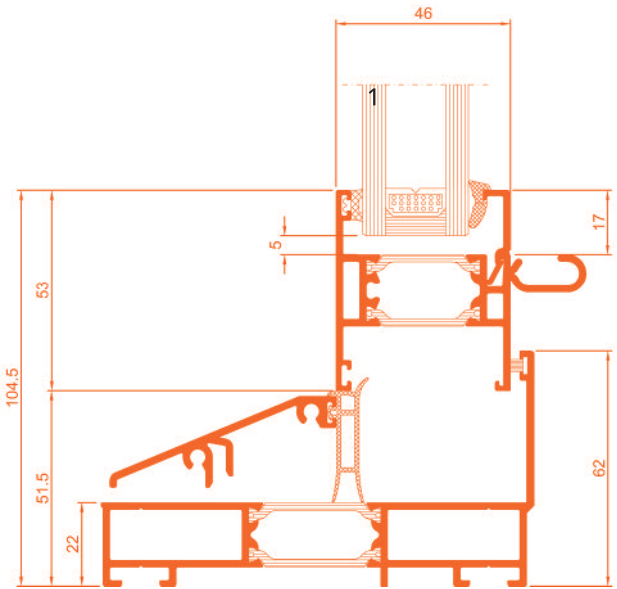
Full details can be downloaded from our websitewww.kawneer.co.uk

Head Detail



H04.01

Cill Detail

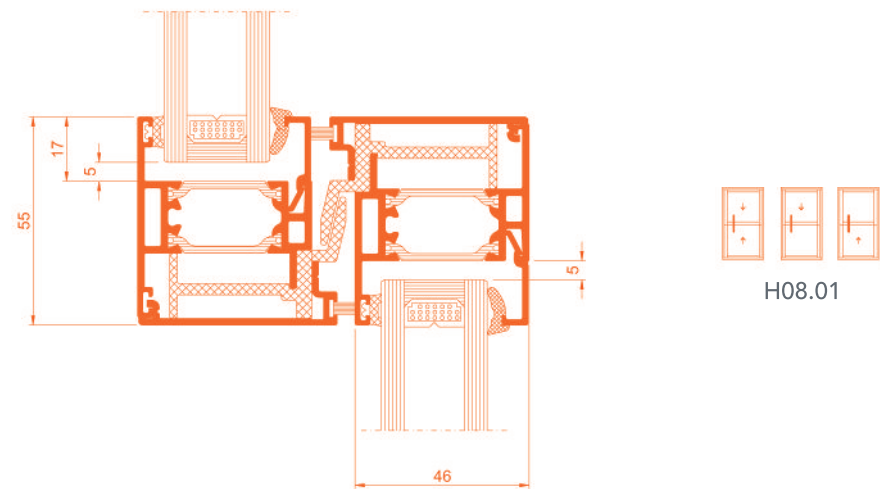


H02.01

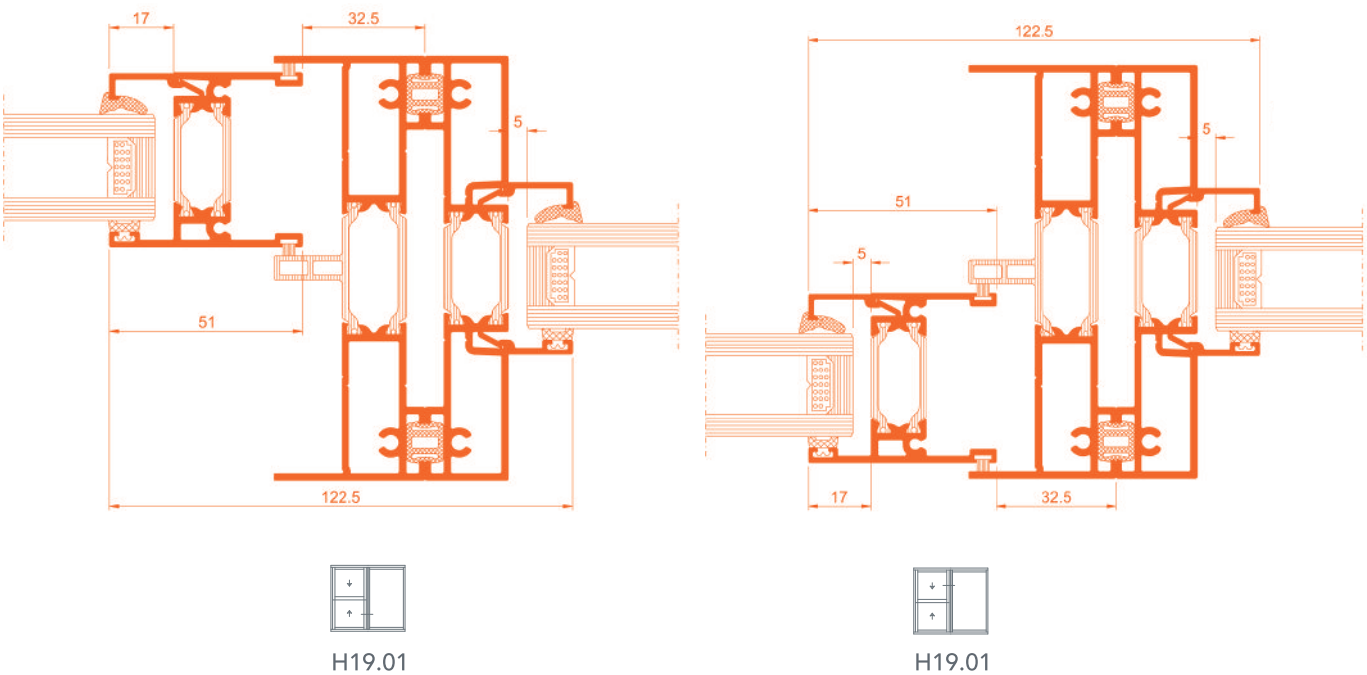
AA®3610/AA®3610LS Vertical Sliding Windows

Full details can be downloaded from our website www.kawneer.co.uk

Meeting Rail



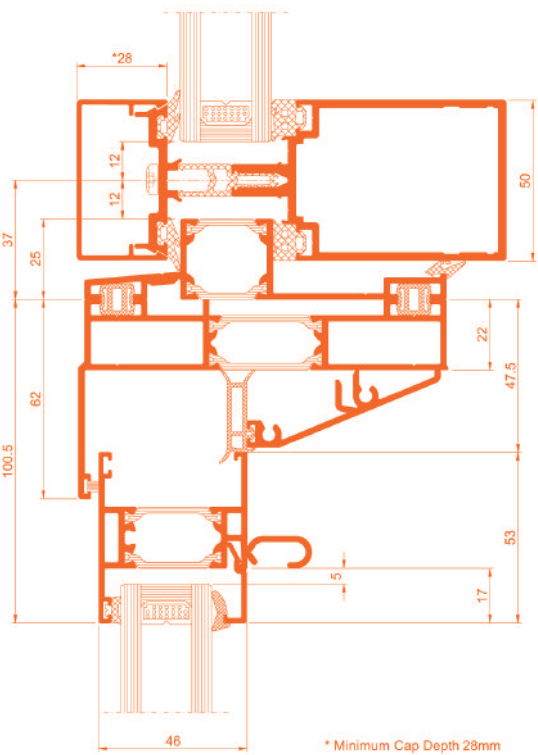
Coupling – Vertical Slider/Fixed Light



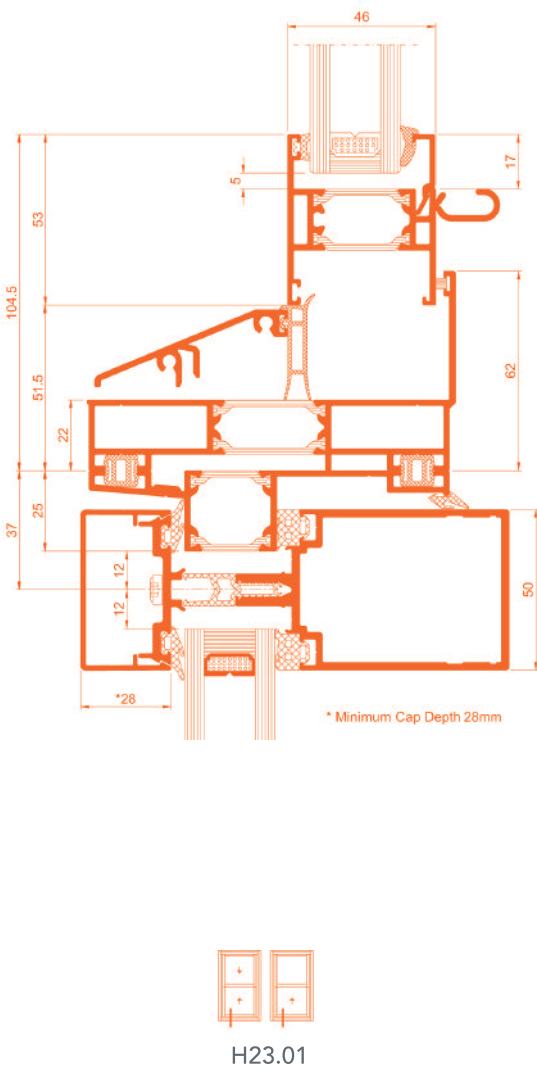
AA®3610/AA®3610LS Vertical Sliding Windows

Full details can be downloaded from our website www.kawneer.co.uk

Head Detail into Curtain Wall



Cill Detail into Curtain Wall



Supporting Your Projects



Authorities

ISO 9001:2008
Quality Management System

BS EN 12020
Extruded precision aluminium profiles

BS 3987
Specification for anodic coatings

BS 6496
Specification for powder organic coatings

BS 6375 Part 1
Classification for weathertightness

BS 6375 Part 2
Specification for operation and strength

BS 4873
Specification for aluminium alloy windows

PAS 24:2012
Enhanced security performance requirements for doorsets and windows in the UK

BS 4255 Part 1
Specification for non-cellular gaskets

A full range of guaranteed colours available

Kawneer Permacover™ is a high quality polyester powder paint finish, offering a wide range of solid and metallic colours providing outstanding resistance to environmental conditions. Kawneer Permacover™ has a 15 year gloss and 30 year matt and metallic guarantees subject to application and Kawneer acceptance in marine, industrial, swimming pools or other aggressive atmospheres.

To ensure the highest quality finish, powder coating is carried out in house as part of our single-source responsibility.

Kawneer Permanodic® is a range of subtle anodised colours which have been specifically developed for architectural glazing systems. Kawneer Permanodic® is a tried and tested anodising process, proven in accelerated laboratory tests, extensive field trials and contract experience. Subject to compliance with Kawneer's requirements, a 25 year finishes guarantee can be obtained.

Project Assistance

Kawneer's regionally based team of Architectural Advisers and the Architectural Services Team based at our Head Office in Runcorn are able to provide project advice and support:

Tel: 01928 502604 / Fax: 01928 502512
Email: kawneerAST@alcoa.com

Information on Kawneer's extensive range of Curtain Wall, Window, Framing, Door, Fire Resistant and Sliding Solutions can also be obtained from our Head Office by calling:

Tel: 01928 502612

Kawneer UK Ltd is part of Alcoa Building and Construction Systems, and enjoys the extensive resources of the entire Alcoa organisation, allied to the specific glazing systems experience of Kawneer's many operations around the world. As a result of this our partners and customers have direct access to one of the largest pools of technical expertise in the construction industry.

Kingston, London
Architect: Sprunt
AA®100 50mm Curtain Wall, AA®543 Tiltturn Windows
AA®3572 Lift/Slide Doors and AA®720 Doors
Photo: Positive Image Photography

