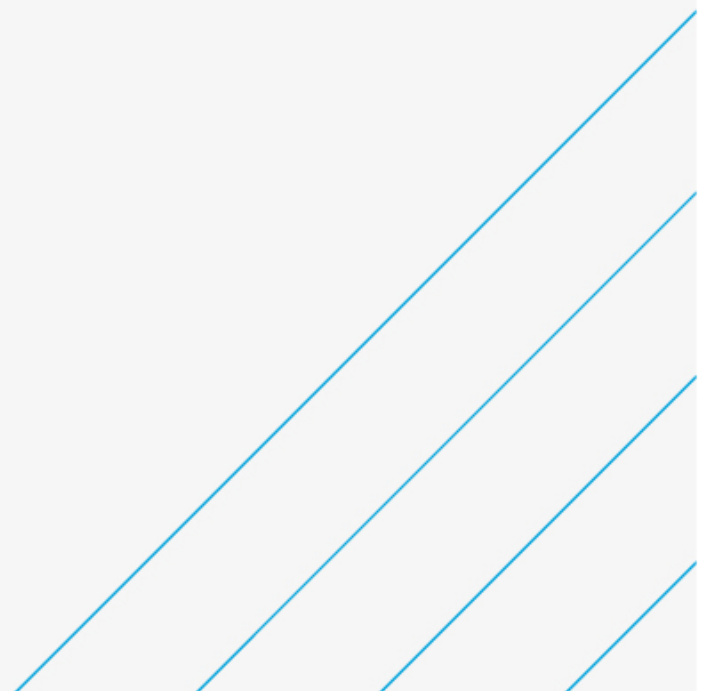


Swiss Cottage Library Decarbonisation Works

Window Schedule

Camden Council

January 2022



Notice

This document and its contents have been prepared and are intended solely as information for Camden Council and use in relation to the replacement window works which are being undertaken as part of the wider decarbonisation project works.

Atkins Limited assumes no responsibility to any other party in respect of or arising out of or in connection with this document and/or its contents.

This document has 12 pages including the cover.

Document history

Document title: Window Schedule

Revision	Purpose description	Originated	Checked	Reviewed	Authorised	Date
1.0	For Planning	JH	RJ	RJ	JMcS	24.11.21
2.0	For Planning	JH	RJ	RJ	JMcS	01.12.21
3.0	For Planning	JH	RJ	RJ	JMcS	13.01.22

Client signoff

Client	Camden Council
Project	Swiss Cottage Library Decarbonisation Works
Job number	5206133
Client signature/date	

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Introduction

The information contained within this report is to supplement the current planning application no. 21/2/07865 for the decarbonisation works at Swiss Cottage Library, 88 Avenue Road, London, NW3 3HA.

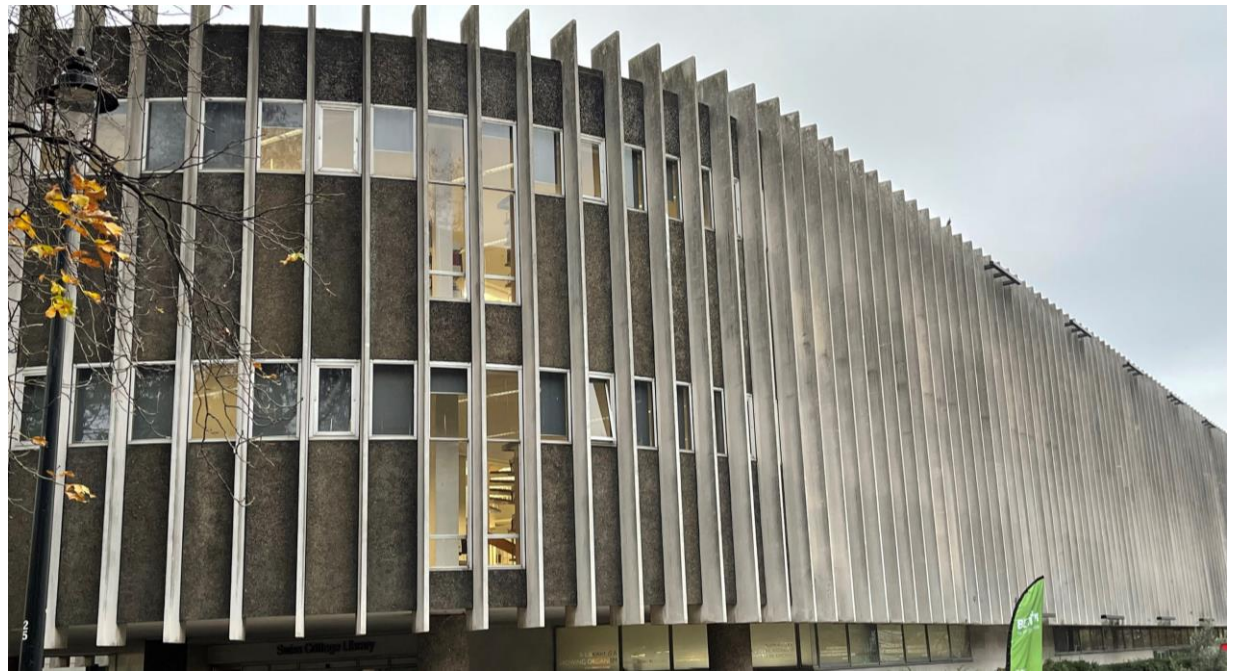
Appendices



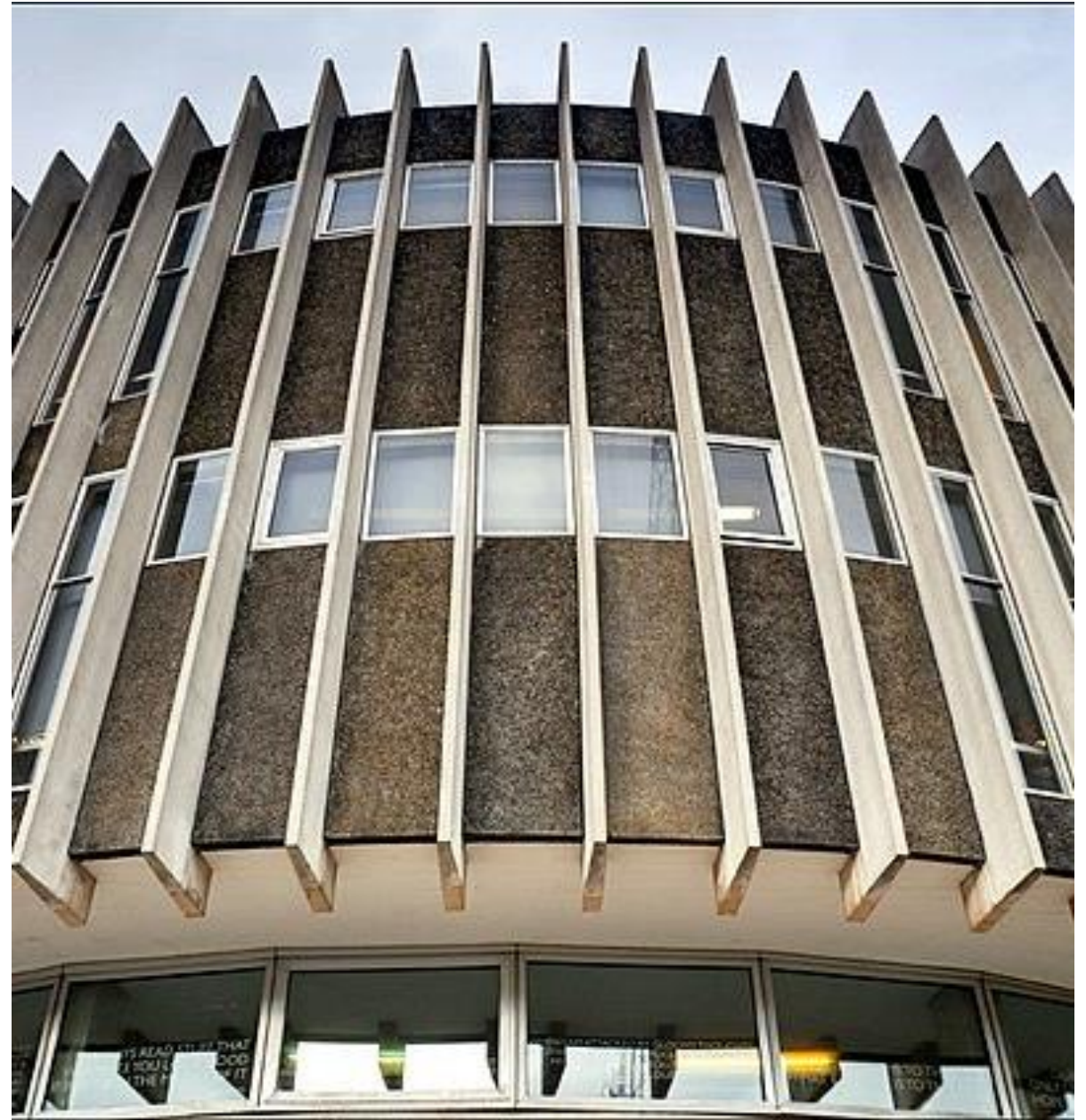
Appendix A. Images of Building Elevations











Appendix B. Photo Schedule Showing Existing Window Types



A1 - Fixed (1)



A1 - Fixed (2)



A2 - Centre Pivot (1)



A2 - Centre Pivot (2)



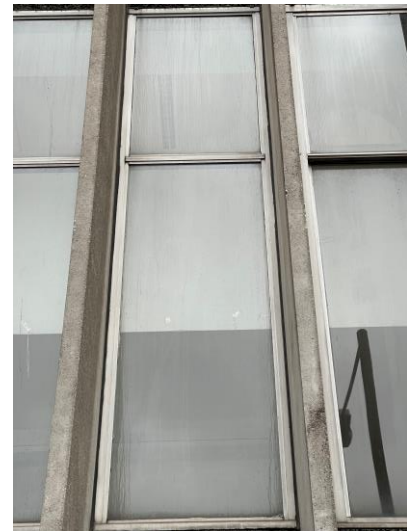
A3 - Slides (1)



A3 - Slides (2)



A3 - Slides (3)



B2 - Fixed (1)



B2 - Fixed (2)



B2 - Fixed (3)



B2 - Slides (1)



B2 - Slides (2)



B2 - Slides (3)



B2 - Slides (4)



E1 - Fixed (1)



E1 - Fixed (2)



E2 - Centre Pivot (1)



E2 - Centre Pivot (2)



E3.5 – Fixed / Openable (1)



E4 - Openable (1)



E4 - Openable (2)



E4 - Openable (3)



E4 - Openable (4)



F1 - Fixed (1)



F1 - Fixed (2)



F1 - Fixed (3)



F1 - Fixed (4)



**F2 - Top Part Centre Pivot
(1)**



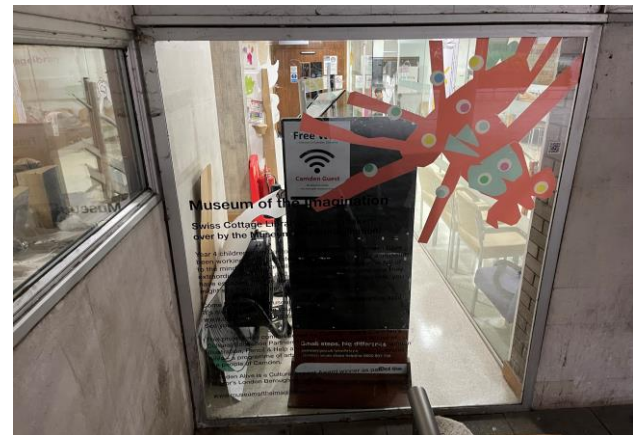
**F2 - Top Part Centre Pivot
(2)**



**F2 - Top Part Centre Pivot
(3)**



**F2 - Top Part Centre Pivot
(4)**



G1 - Fixed (1)



G1 - Fixed (2)



G1 - Fixed (3)



G1 - Fixed (4)



H1 - Fixed (1)



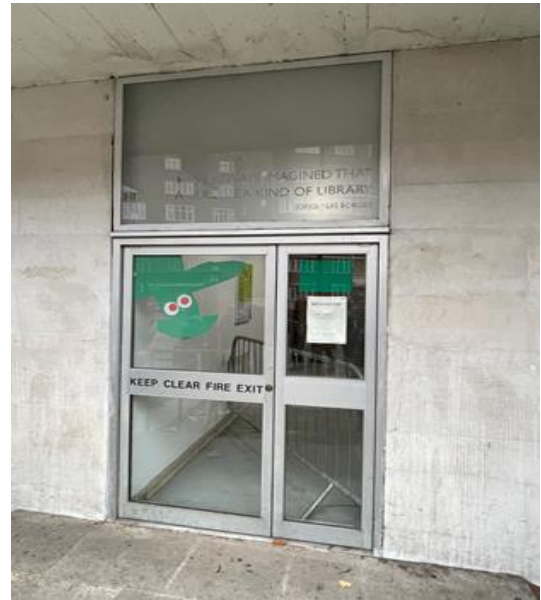
H1 - Fixed (2)



H1 - Fixed (3)



H1 - Fixed (4)



Type A - Door (1)



Type A - Door (2)



Type A - Door (3)



Type A - Door (4)

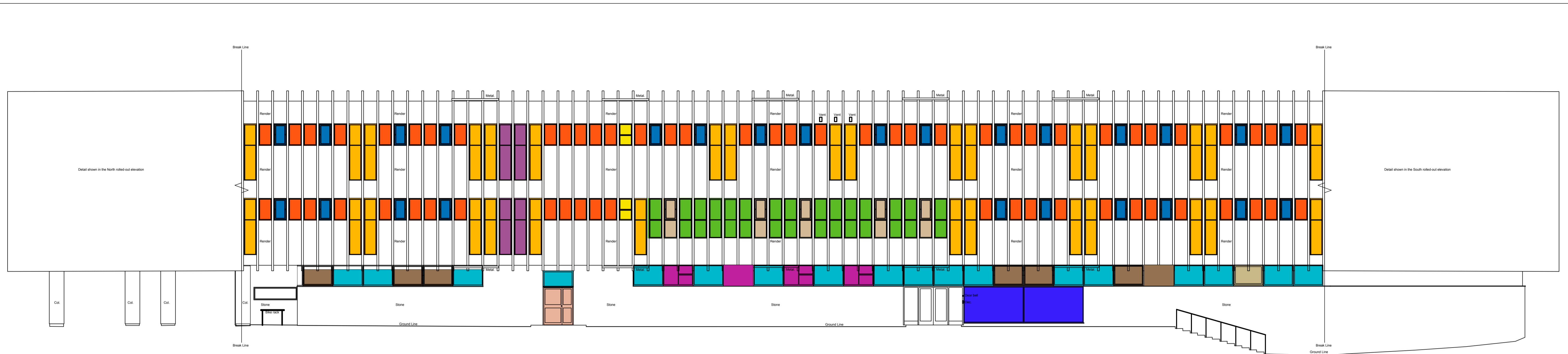
Appendix C. Window Schedule

Existing						Proposed			
Window	Type	Location	Number	Status		Window	Type	Location	Number
A1	Fixed	FF/SF	236	Considered original		A1	Fixed	FF/SF	329
A2	Centre Pivot	FF/SF	94	Considered original		A2	Openable / Centre Pivot	FF/SF	1
A3	Slides	FF/SF	2	Considered original		A3	Openable / Slides	FF/SF	2
B1	Slides	FF/SF	104	Considered original		B1	Openable / Slides	FF	1
B2	Fixed	FF/SF	12	Considered original		B2	Fixed	FF/SF	115
E1	Fixed	GF	58	Considered original		E1	Fixed	GF	77
E2	Centre Pivot	GF	10	Considered original		E2	Openable / Centre Pivot	GF	5
E3.5	Fixed/Openable slider	GF	4	Considered original		E3.5	Fixed	GF	4
E4	Openable /Top Hung	GF	14	Replacement		F1	Fixed	FF	19
F1	Fixed	FF	15	Considered original		F2	Openable / Centre Pivot	FF	1
F2	Top part centre pivot	FF	5	Considered original		G1	Fixed	GF	2
G1	Fixed	GF	2	Considered original		H1	Fixed	GF	2
H1	Fixed	GF	2	Considered original		Door A	Openable	GF	1
Door A	Openable	GF	1	Considered original					
			Total: 559						Total: 559

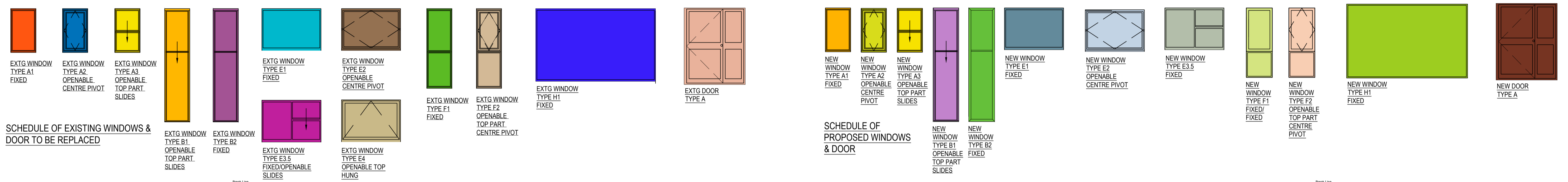
Appendix D. Existing and Proposed Elevations (Colour)

Existing and proposed window types have been shown in different colours.

100
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Millimetres



EXISTING WEST ELEVATION



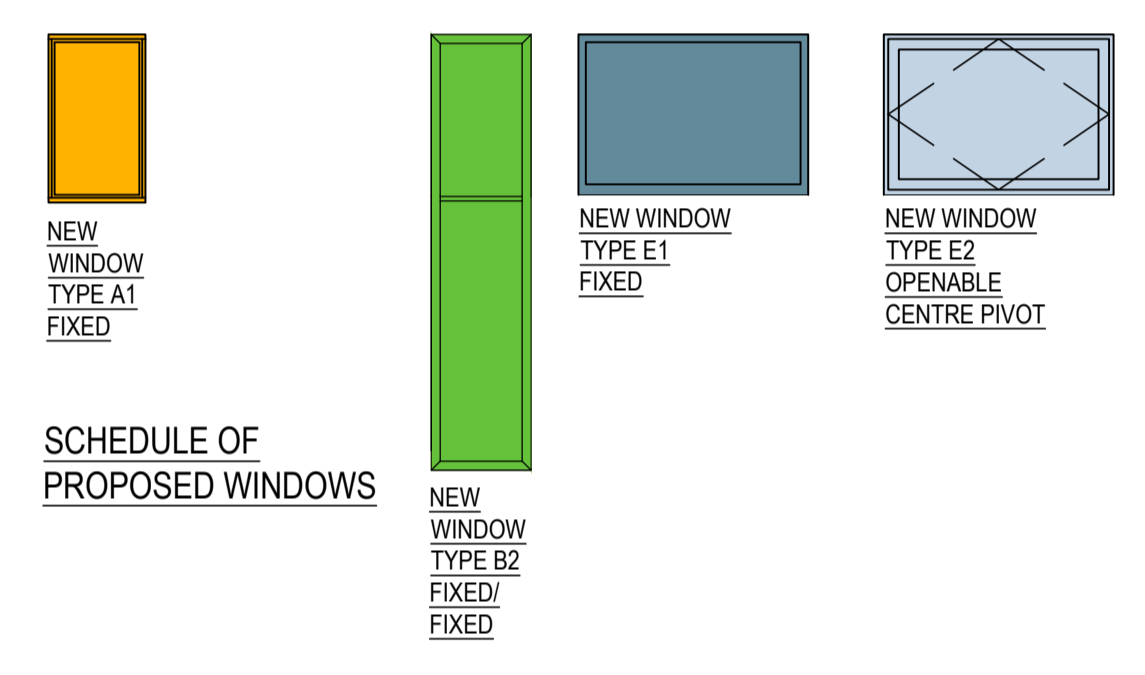
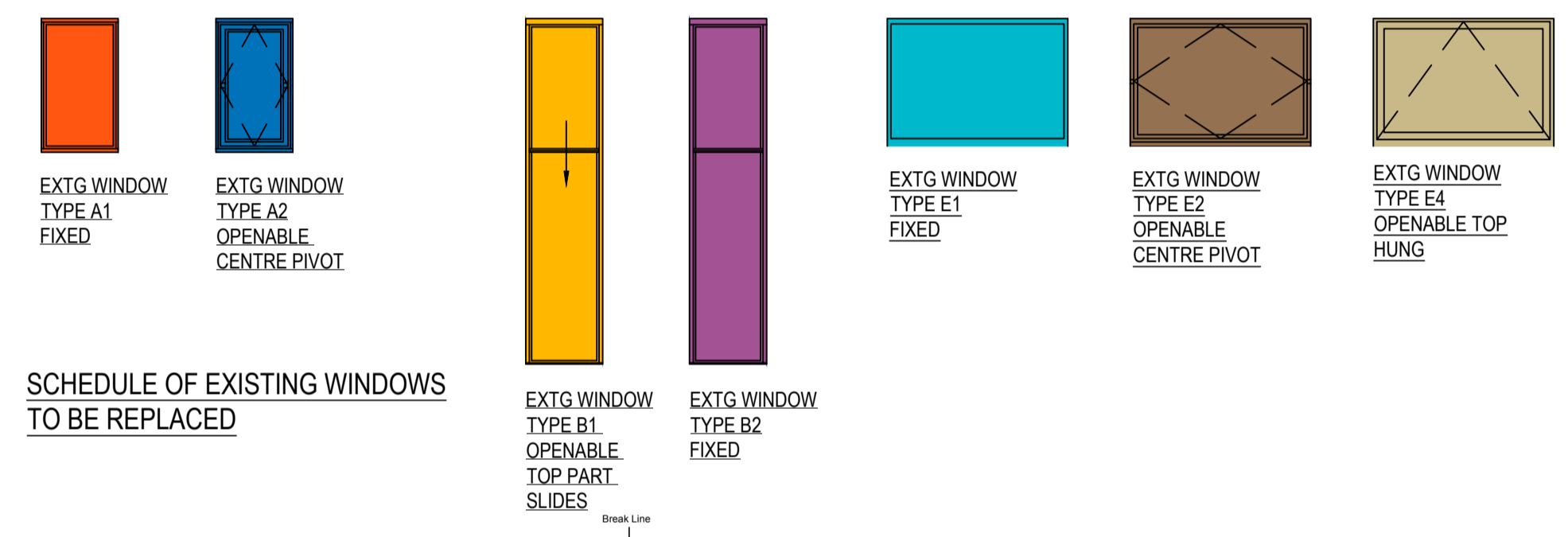
PROPOSED WEST ELEVATION

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				Drawing Status		Sustainability		Project Title																																													
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:				PLANNING ISSUE		SO		SWISS COTTAGE LIBRARY SALIX CARBON NET ZERO WORKS																																													
CONSTRUCTION				ATKINS		London, Nova North 11 Bressenden Place Westminster, London England SW1E 5BY Tel: +44 (0)20 7121 2000 Fax: +44 (0) www.atkinsglobal.com		Drawing Title WEST ELEVATIONS SHOWING WINDOWS & DOOR TO BE REPLACED																																													
MAINTENANCE/CLEANING				Copyright © Atkins Limited (2013)		Client		Scale: 1:100																																													
DECOMMISSIONING/DEMOLITION				LONDON BOROUGH OF CAMDEN		Designed: JH		Drawn: JEL																																													
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement				<table border="1"> <thead> <tr> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>By</th> <th>Chkd</th> <th>App'd</th> </tr> </thead> <tbody> <tr> <td>P6</td> <td>12.01.2022</td> <td>Window Type E3.5 on Existing window schedule renamed EXTG</td> <td>JEL</td> <td>JH</td> <td>JH</td> </tr> <tr> <td>P5</td> <td>11.01.2022</td> <td>New window B1 changed to slider</td> <td>JEL</td> <td>JH</td> <td>JH</td> </tr> <tr> <td>P4</td> <td>10.01.2022</td> <td>New window types A2, B1 & E2 changed to pivot windows. Type A3 changed to slider.</td> <td>JEL</td> <td>JH</td> <td>JH</td> </tr> <tr> <td>P3</td> <td>29.11.2021</td> <td>Revisions to Proposed Window Types and Styles</td> <td>JEL</td> <td>JH</td> <td>JH</td> </tr> <tr> <td>P2</td> <td>23.11.2021</td> <td>Replacement door position shown</td> <td>JEL</td> <td>JH</td> <td>JH</td> </tr> </tbody> </table>		Rev.	Date	Description	By	Chkd	App'd	P6	12.01.2022	Window Type E3.5 on Existing window schedule renamed EXTG	JEL	JH	JH	P5	11.01.2022	New window B1 changed to slider	JEL	JH	JH	P4	10.01.2022	New window types A2, B1 & E2 changed to pivot windows. Type A3 changed to slider.	JEL	JH	JH	P3	29.11.2021	Revisions to Proposed Window Types and Styles	JEL	JH	JH	P2	23.11.2021	Replacement door position shown	JEL	JH	JH	<table border="1"> <thead> <tr> <th>Original Size</th> <th>Date</th> <th>Date</th> <th>Date</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>A1</td> <td>05-11-21</td> <td>08-11-21</td> <td>18-11-21</td> <td>18-11-21</td> </tr> </tbody> </table>		Original Size	Date	Date	Date	Date	A1	05-11-21	08-11-21	18-11-21	18-11-21
Rev.	Date	Description	By	Chkd	App'd																																																
P6	12.01.2022	Window Type E3.5 on Existing window schedule renamed EXTG	JEL	JH	JH																																																
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P2	23.11.2021	Replacement door position shown	JEL	JH	JH																																																
Original Size	Date	Date	Date	Date																																																	
A1	05-11-21	08-11-21	18-11-21	18-11-21																																																	
								Drawing Number 50206133-ATK-SCL-S-DE-A-4301																																													
								Revision P 6																																													

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EXISTING EAST ELEVATION



PROPOSED EAST ELEVATION

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:			
CONSTRUCTION			
MAINTENANCE/CLEANING			
DECOMMISSIONING/DEMOLITION			
Rev.	Date	Description	By
P4	11/2/22	Extg windows A2, B2 & E4 revised to show type of opening style. Extg B2 slider renamed B1. New type E2 labeled Centre Pivot.	JEL JH JH
P3	10.01.2022	New window type E2 shown as pivot window	JEL JH JH
P2	29.11.2021	Revisions to Proposed Window Types and Styles	JEL JH JH
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement			

Drawing Status: **PLANNING ISSUE**

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www.atkinsglobal.com

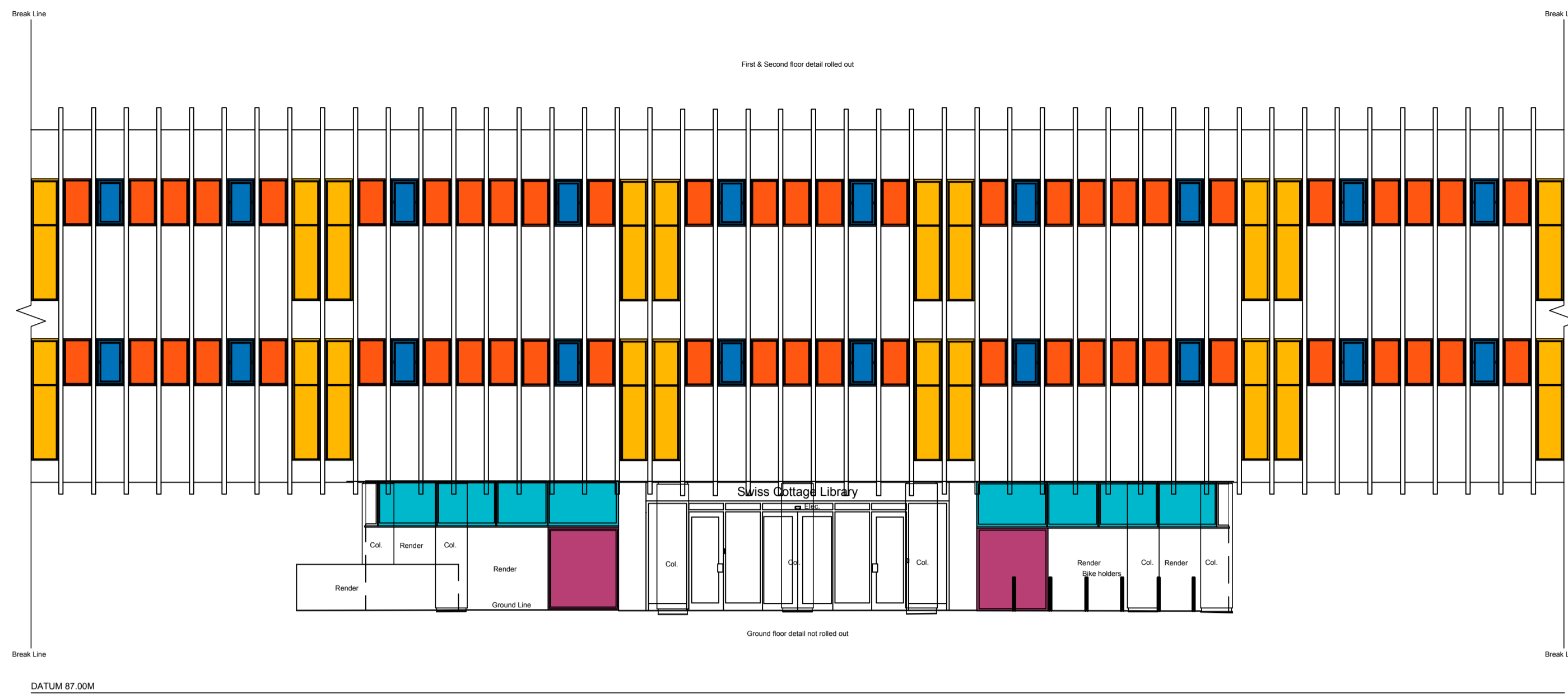
Copyright © Atkins Limited (2013)

Client: **LONDON BOROUGH OF CAMDEN**

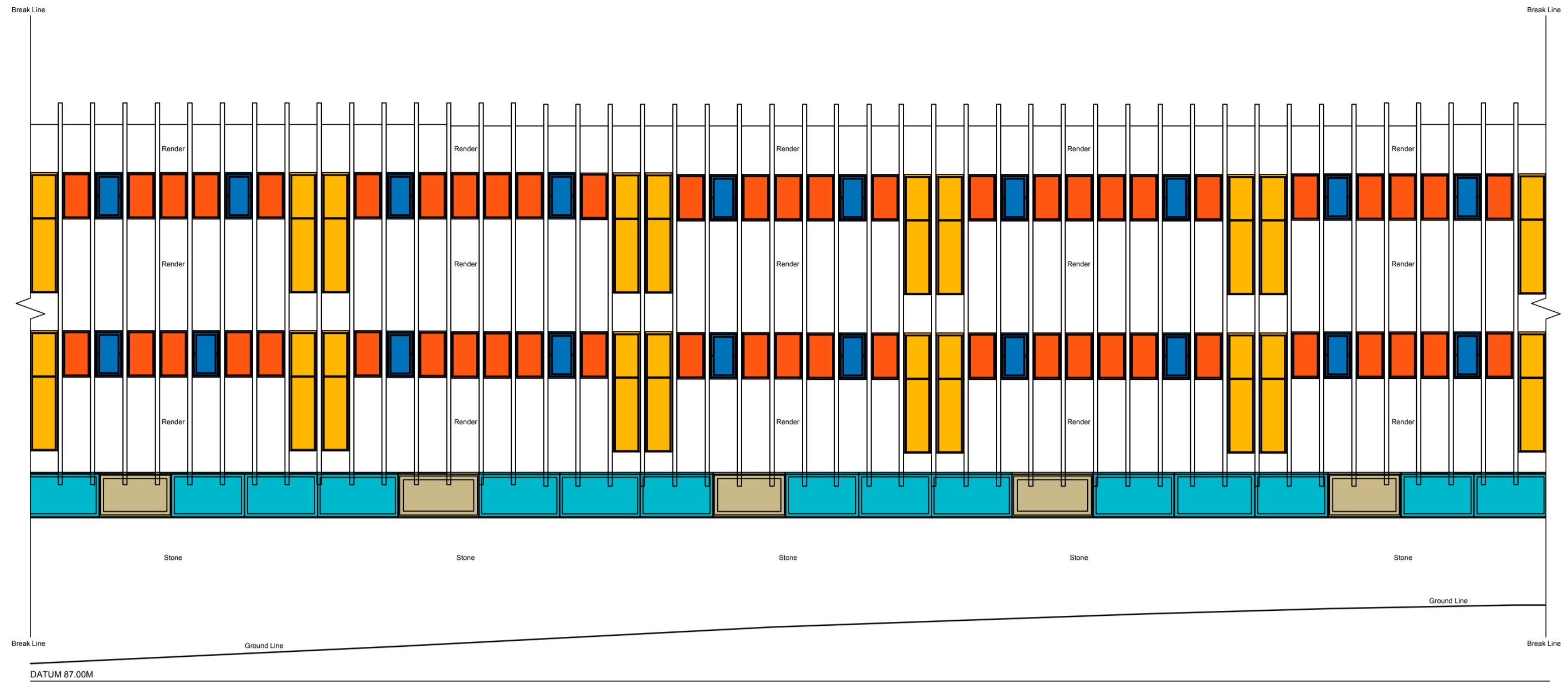
Suitability: **SO**

Project Title: SWISS COTTAGE LIBRARY SALIX CARBON NET ZERO WORKS				
Drawing Title: EAST ELEVATION SHOWING WINDOWS TO BE REPLACED				
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Original Size: A1	Date: 05-11-21	Date: 08-11-21	Date: 18-11-21	Date: 18-11-21
Drawing Number: 50206133-ATK-SCL-S-DE-A-4302				Revision: P 4

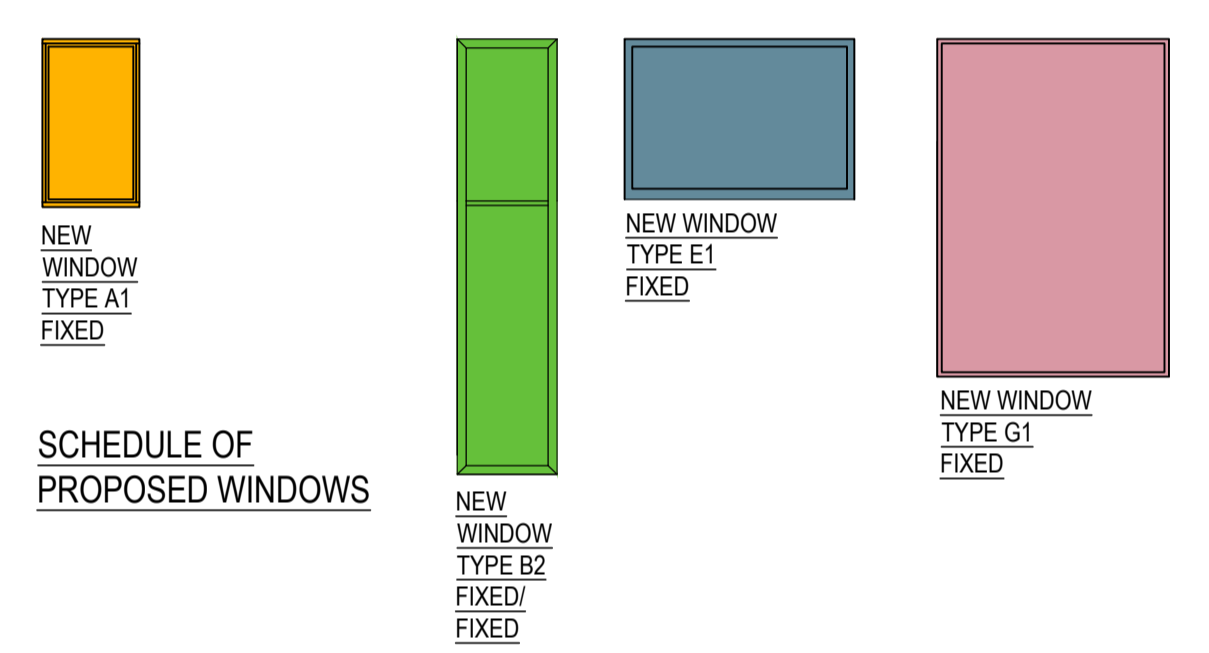
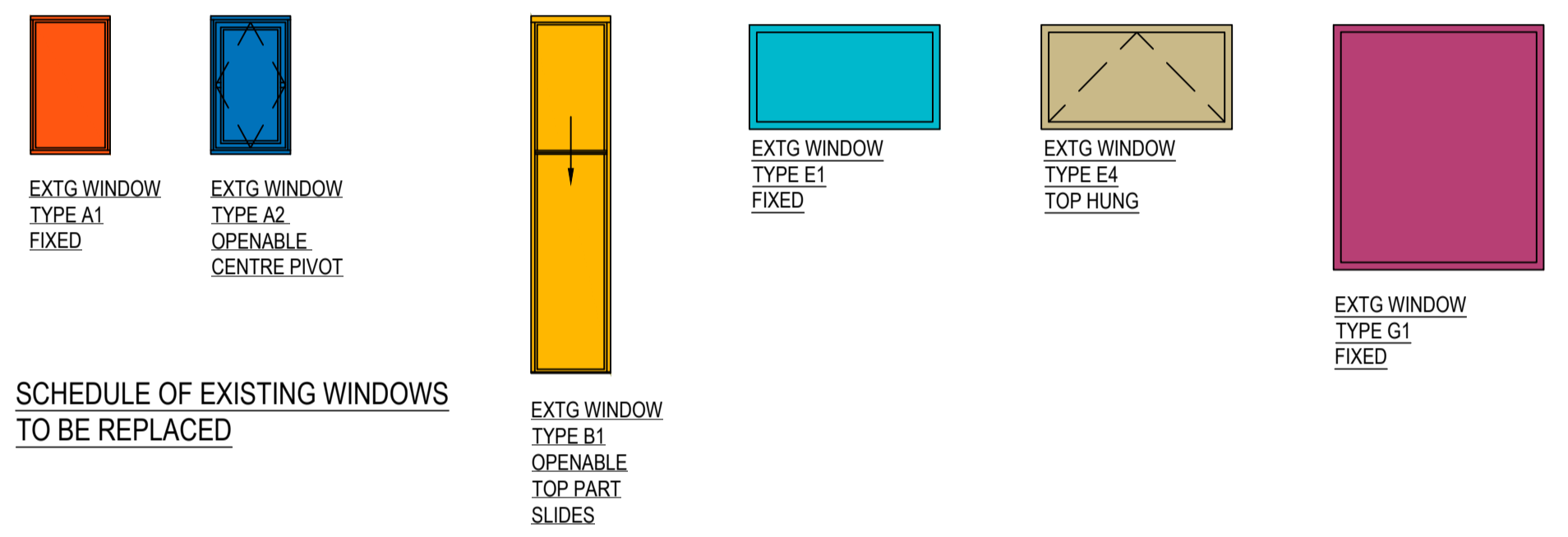
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EXISTING NORTH ELEVATION



EXISTING SOUTH ELEVATION



PROPOSED NORTH ELEVATION



PROPOSED SOUTH ELEVATION

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION					
MAINTENANCE/CLEANING					
DECOMMISSIONING/DEMOLITION					
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement					

Rev.	Date	Description	By	Chkd	App'd
P3	12.01.2022	Extg window types A2, B2 & E4 revised to show opening style. Extg window B2 re-labelled B1.	JEL	JH	JH
P2	29.11.2021	Revisions to Proposed Window types and Styles	JEL	JH	JH

Drawing Status: **PLANNING ISSUE**

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Fax: +44 (0)
www.atkinsglobal.com

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Client: **LONDON BOROUGH OF CAMDEN**

Suitability: **SO**

Project Title: **SWISS COTTAGE LIBRARY SALIX CARBON NET ZERO WORKS**

Drawing Title: **NORTH & SOUTH ELEVATIONS SHOWING WINDOWS TO BE REPLACED**

Scale: 1:100	Designed: JH	Drawn: JEL	Checked: JH	Authorised: JH
Original Size: A1	Date: 05-11-21	Date: 08-11-21	Date: 18-11-21	Date: 18-11-21
Drawing Number: 50206133-ATK-SCL-S-DE-A-4303	Revision: P 3			

Appendix E. Manufacturer's Information (Proposed Windows and Door)

AA[®]720 Standard Casement Window

Introduction

The AA[®]720 Casement Window is part of the AA[®]720 range of Windows and Doors. In line with the existing range, the AA[®]720 Casement is available in a range of increasing levels of thermal performance – incorporating Kawneer’s latest Reflex unique thermal break technology.

The AA[®]720 Casement Windows are available as top hung or side hung windows and can be either internally or externally glazed. Additional advantages of the advanced thermal break technology include the options of dual colour finishes, to provide design flexibility in various applications.

Product Features and Benefits

- BRE Green Guide ‘A’ Rated Frame* for projects that require sustainable and environmental advantages
- Range of locking options available - for flexibility. Choose from standard Espagnolette locking to enhanced security in line with PAS 24:2016
- Option of Trickle Ventilation - can help meet the requirements of Document F
- Projected top hung or side hung or butt hinge options - total flexibility, suits most casement project applications
- Suites with the AA[®]720 series, AA[®]100/AA[®]110 Curtain Walling, 451PT Framing and Door Systems
- Offset handle position for side hung windows. Safety in use – suitable for ‘Lifetime Homes’ Specification
- Choice of restrictors available to 100mm. Design flexibility. Compliant with the HTM 55 regulations and BS 8213 of 100mm initial opening
- Folding Openers with Link Bars offer safety in use
- Maximum size 2300mm(W) x 2500mm(H) - suitable in even the most demanding of applications
- Suited hardware - compatible hardware to compliment the AA[®]720, AA[®]540 and AA[®]3720 ranges
- Outside glaze option (not PAS 24 compliant)

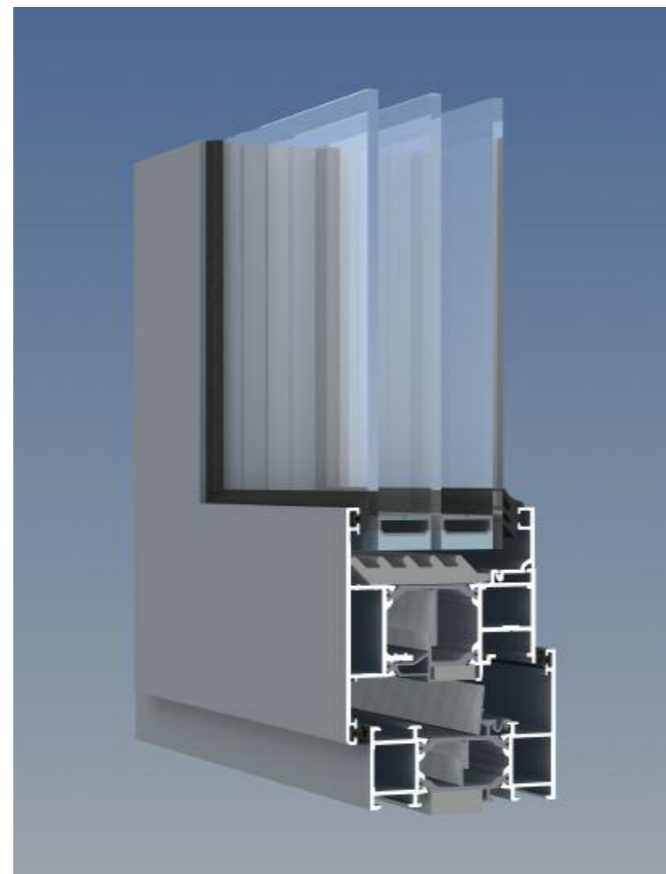
Security**

The AA[®]720 Casement Window has been independently tested to PAS 24:2016.

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



* 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



AA[®]720 HI Reflex^{Plus} Casement Window

Casement Product Selector

Performance	AA [®] 720 Casement*	AA [®] 720 SL Casement	AA [®] 541 Casement
Weather Performance (BS 6375)	■	■	■
Security to PAS 24:2016	■	■	■
Uw (Double Glazing)	1.5 W/m ² K	1.6 W/m ² K	1.8 W/m ² K
Uw (Double Glazing with warm edge spacer)**	1.3 W/m ² K	1.4 W/m ² K	1.6 W/m ² K
Uw (Triple Glazing)	1.2 W/m ² K	1.2 W/m ² K	1.5 W/m ² K
Uw (Triple Glazing with warm edge spacer)***	1.0 W/m ² K	1.1 W/m ² K	1.3 W/m ² K
Special Features			
BRE Green Guide Rating ^o	A	A	A+
Design Features			
Dual Colour Option	■	■	■
Composite Windows	■	■	■
Ribbon Windows	■	■	■
Punched Out Openings	■	■	■
Triple Glazing	■	■	■+
Infills:	upto 56mm	upto 42mm	upto 39mm
Standard Hardware Groove	■	■	■
Multi-Point / Single Sided Locking Options	■	■	■
100mm Restriction	■	■	■
Trickle Ventilation	■	■	■
Locking Handles	■	■	■
Folding Openers	■	■	■
Cockspur Handle	■	■	■
Espagnolette Handle	■	■	■
Friction Hinges	■	■	■
Butt Hinges	■	■	■
Variable Angle Corner Post	■	■	■
System Depth			
54mm	■	■	■
72mm	■	■	■
Maximum Window Sizes[•]			
Projected Top Hung [•]	upto 2300mm(W) x 2500mm(H)	upto 1500mm(W) x 1500mm(H)	upto 1800mm(W) x 1800mm(H)
Projected Side Hung [•]	845mm(W) x 1900mm(H)	900mm(W) x 1500mm(H)	845mm(W) x 1800mm(H)
Top Hung with Butt Hinges [•]	1800mm(W) x 1600mm(H)		1800mm(W) x 1600mm(H)
Side Hung with Butt Hinges [•]	900mm(W) x 1900mm(H)		900mm(W) x 1800mm(H)
Applications			
New Build	■	■	■
Refurbishment	■	■	■

Notes:

* Based on the AA[®]720 HI Reflex^{Plus}

** Window Energy Ratings and U-values based on CEN size windows (1230mm x 1480mm) using 1.0 W/m²K double glazing with warm edge (0.048 W/m²K) spacer.

*** U-values based on CEN size windows (1230mm x 1480mm) using 0.6 W/m²K triple glazing with warm edge (0.043 W/m²K) spacer.

+ Optional/Limited

• Height and Width Limitations vary dependant on glass weights and hardware requirements – please check with the Technical Services Department

o Corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A and A+ for non-domestic schemes. www.thegreenguide.org.uk Element Number 1231500011 (A+) Element Number 1231500007 (A)



AA®720 Standard Casement Window Applications

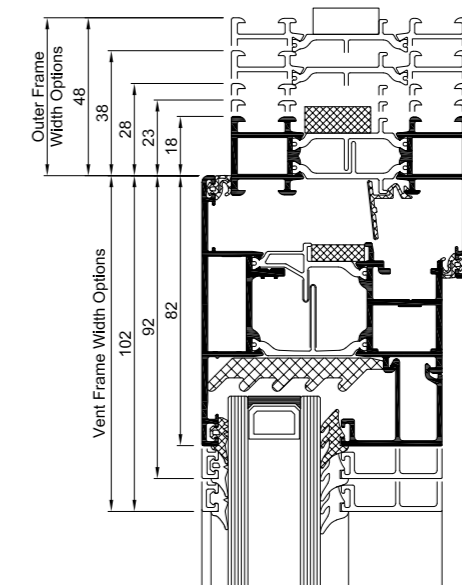
Typical Elevations

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

Elevation	Title	Website CAD ref. no.			
		AA®720 HI Reflex ^{Plus}	AA®720 HI Reflex	AA®720 HI	AA®720 HW
	1, 2 Fixed Light Head and Cill (inside glazed)	H24-3	H4-3	H4-3	H4-53
	3, 4 Fixed Light Jamb (inside glazed)	H24-4	H4-4	H4-4	H4-54
	5, 6 Fixed Light Head and Cill (outside glazed)	H24-5	H4-5	H4-5	H4-55
	7, 8 Fixed Light Jamb (outside glazed)	H24-6	H4-6	H4-6	H4-56
	9 Casement/Fixed Light Muntin	H24-9	H4-9	H4-9	H4-59
	10 Casement Curtain Wall Insert - Head	H24-7 & H24-8	H4-7 & H4-8	H4-7 & H4-8	H4-57 & H4-58
	11 90° Corner (Casement/Fixed Light)	H24-10	H4-10	H4-10	H4-60
	12 135° Corner (Casement/Fixed Light)	H24-11	H4-11	H4-11	H4-61
	13 Coupling Mullion	H24-12	H4-12	H4-12	H4-62
	14, 15 Casement Jamb Detail (inside glazed vent)	H24-13	H4-13	H4-13	H4-63
	16, 17 Casement Head and Cill Detail (inside glazed vent)	H24-13	H4-13	H4-13	H4-63
	18, 19 Casement Jamb Detail (outside glazed vent)	H24-14	H4-14	H4-14	H4-64
	20, 21 Casement Head and Cill Detail (outside glazed vent)	H24-14	H4-14	H4-14	H4-64

Elevation	Title	Website CAD ref. no.			
		AA®720 HI Reflex ^{Plus}	AA®720 HI Reflex	AA®720 HI	AA®720 HW
	22 Casement/Fixed Light Muntin (outside glazed vent)	H24-15	H4-15	H4-15	H4-65
	23 Casement/Casement Muntin (inside glazed vent)	H24-16	H4-16	H4-16	H4-66
	24 Horizontal Coupling	H24-17	H4-17	H4-17	H4-67
	25 Casement/Fixed Light (reverse glazing adaptor)	H24-18	H4-18	H4-18	H4-68
	26, 27 Fixed Light Head & Jamb (reverse glazing adaptor)	H24-19	H4-19	H4-19	H4-69
	28 Casement/Fixed Light (reverse vent adaptor)	H24-20	H4-20	H4-20	H4-70
	29 Through Frame Trickle Ventilation	H24-21	H4-21	H4-21	H4-71
	30 Casement Cill Detail	H24-23	H4-23	H4-23	H4-73
	31 Casement Cill Detail (alternative)	H24-24	H4-24	H4-24	H4-74

Frame and Vent Size Options

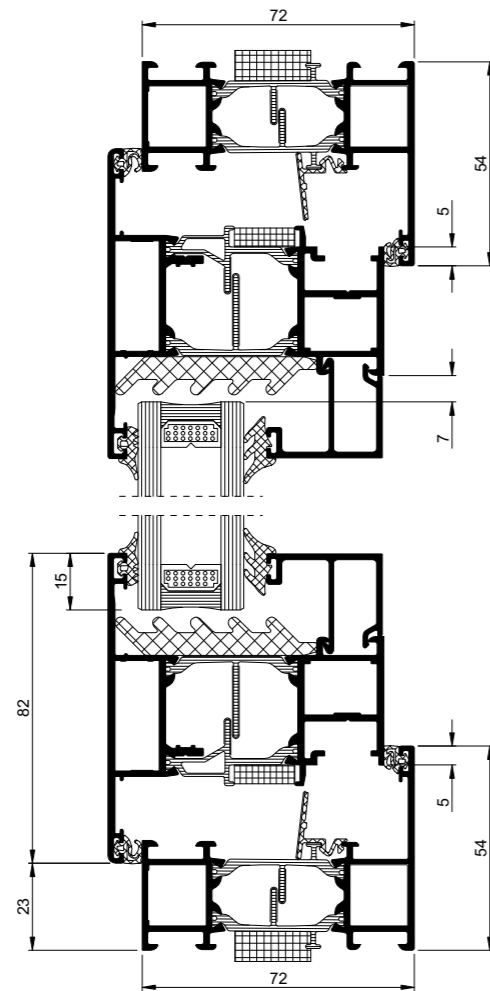


AA®720 Standard Casement Window

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

AA®720 HI Reflex^{Plus}

Head & Cill Detail



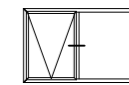
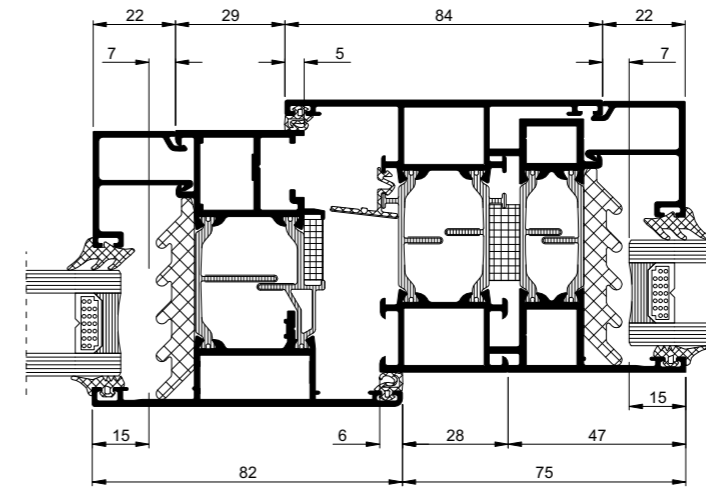
H24-13

AA®720 Standard Casement Window

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

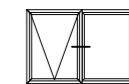
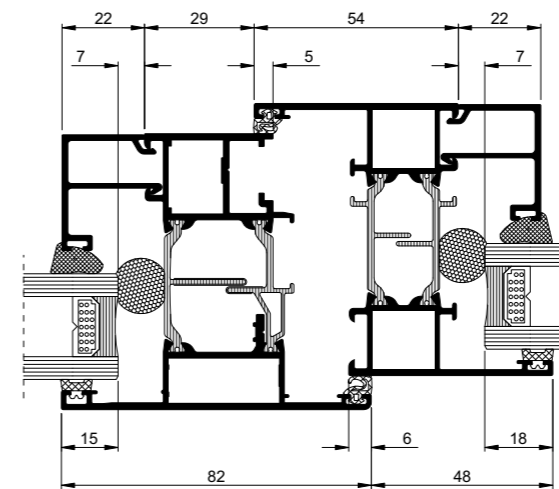
AA®720 HI Reflex^{Plus}

Vent/Fixed Light Muntin Detail



H24-18

Vent/Fixed Light Z-Muntin Detail



H18-01

AA®720 Pivot Window

Introduction

The AA®720 Pivot Window is part of the AA®720 range of Windows and Doors. In line with the existing range, the AA®720 Pivot offers excellent weather and thermal performance incorporating Reflex technology and foam rod. As you would expect AA®720 Pivot Window is available for both horizontal and vertical pivot applications as well as vertical offset pivot, which makes it the ideal choice where natural ventilation is required.

Product Features and Benefits

- BRE Green Guide 'A' Rated Frame* for projects that require sustainable and environmental advantages
- Horizontal and vertical pivot options available resulting in continuous air flow to aid compliance with Document F
- Standard bead, Box bead and Softline bead (Softline beads are mitred and secured with retaining clips)
- Thermal performance U_f from 1.8 W/m²K
- Range of standard and coloured anodised finishes
- Trickle ventilation option available to help meet the requirements of Document F
- Multi-point locking for added security and added safety in operation
- An integral automatic restrictor for restricted and non restricted pivots:
 - Manual Locking/Unlocking with special Allen Key
 - Automatic Re-engagement
 - Manual Disengagement
- The pivot housing is exclusively designed for Kawneer in order to suite the extrusion profile thus enhancing aesthetic and performance characteristics
- Accommodates glazing up to 56mm including triple glazing
- Suites with AA®720 series, AA®100/AA®110 Curtain Walling, 451PT Framing and Door Systems

* 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

Vent Size Limitations

All dimensions stated are in millimetres.

All dimensions stated are vent sizes.

Dimensions stated are General System Limitations.

Vent profile and hardware options are chosen depending upon size and glass weight.

Horizontal Pivot

- Maximum weight 150kg
- Width up to 1900mm
- Height up to 1900mm

Vertical Pivot - Central

- Maximum weight 110kg
- Width up to 1900mm
- Height up to 1900mm

Vertical Pivot - Offset

- Maximum weight 110kg
- Minimum Dimensions Pivot Centre 350mm Wide (Open In Portion) x 500mm High
- Maximum Dimensions Pivot Centre **950mm Wide (Open Out Portion) x 1900mm High

**Maximum Size Pivot Centre 950mm wide applies to Heavy Duty Profile 3001 877.

For further information on vent profile options please refer to Section B of the AA®720 Product Manual.



AA®720 Horizontal Pivot Window

Pivot Product Selector

Performance	AA®720 Pivot
Weather Performance (BS 6375)	■
Uw (Double Glazing)	1.6 W/m ² K
Uw (Double Glazing with warm edge spacer)*	1.5 W/m ² K
Uw (Triple Glazing)	1.3 W/m ² K
Uw (Triple Glazing with warm edge spacer)**	1.2 W/m ² K
Special Feature	
BRE Green Guide Rating ^o	A
Design Features	
Dual Colour Option	■
Composite Windows	■
Ribbon Windows	■
Punched Out Openings	■
Triple Glazing	■
Infills	upto 56mm
Multi-Point / Single Sided Locking Options	■
Storm Catches	■
Up to 100mm Restriction	■
Trickle Ventilation	■
Locking Handles	■
Cockspur Handle	■
Espagnolette Handle	■
10° Restriction	■
15° Restriction	■
System Depth	
72mm	■
Maximum Window Sizes [•]	upto
Height [•]	1900mm
Width [•]	1900mm
Applications	
New Build	■
Refurbishment	■

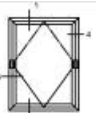
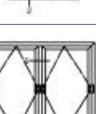
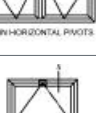
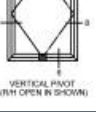
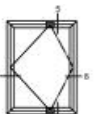
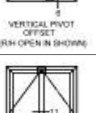
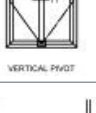
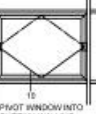
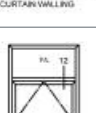
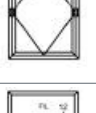
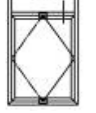
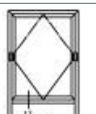



Notes:

- * Window Energy Ratings and U-values based on CEN size windows (1230mm x 1480mm) using 1.0 W/m²K double glazing with warm edge (0.048 W/m²K) spacer.
- ** U-values based on CEN size windows (1230mm x 1480mm) using 0.6 W/m²K triple glazing with warm edge (0.043 W/m²K) spacer.
- + Optional/Limited
- Height and Width Limitations vary dependant on glass weights and hardware requirements – please check with the Technical Services Department
- o Corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A and A+ for non-domestic schemes. www.thegreenguide.org.uk Element Number 1231500011 (A+) Element Number 1231500007 (A)

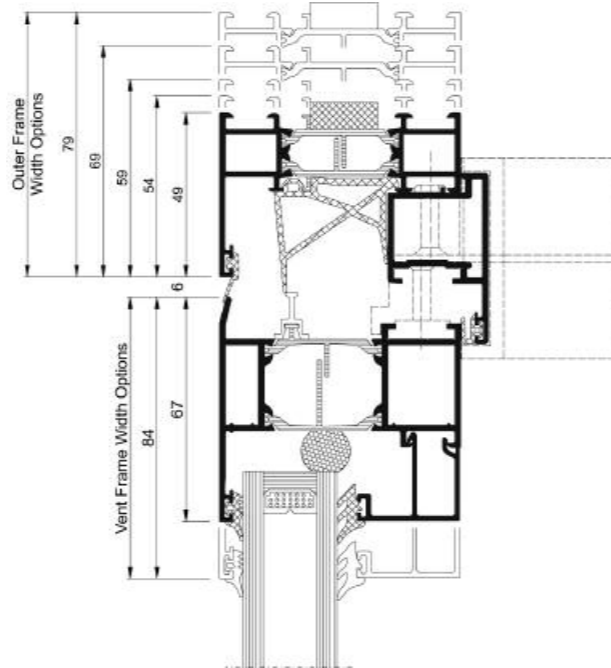
AA®720 Pivot Window Applications

Typical Elevations

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

Elevation	Title	Website CAD ref. no.
	1 Horizontal Pivot Head	H5-11, H5-12
	2 Horizontal Pivot Cill	H5-13
	3 Horizontal Pivot - Jamb (below Pivot)	H5-14
	4 Horizontal Pivot - Jamb (above Pivot)	H5-15
	9 Horizontal Pivot/Horizontal Pivot Muntin	H5-20
	5 Vertical Pivot - Head	H5-16
	6 Vertical Pivot - Cill	H5-17
	7 Vertical Pivot - Jamb (handle side)	H5-18
	8 Vertical Pivot - Jamb (open-in side)	H5-19
	5 Offset Vertical Pivot - Head	H5-16
	6 Offset Vertical Pivot - Cill	H5-17
	7 Offset Vertical Pivot - Jamb (handle side)	H5-18
	8 Offset Vertical Pivot - Jamb (open-in side)	H5-19
	11 Pivot Window - Vent Muntin	H5-22
	10 Pivot Insert into Curtain Wall	H5-21
	12 Horizontal Pivot - Transom Head Detail	H5-23
	12 Vertical Pivot - Transom Head Detail	H5-23
	12 Horizontal Pivot - Transom Cill Detail	H5-24

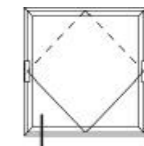
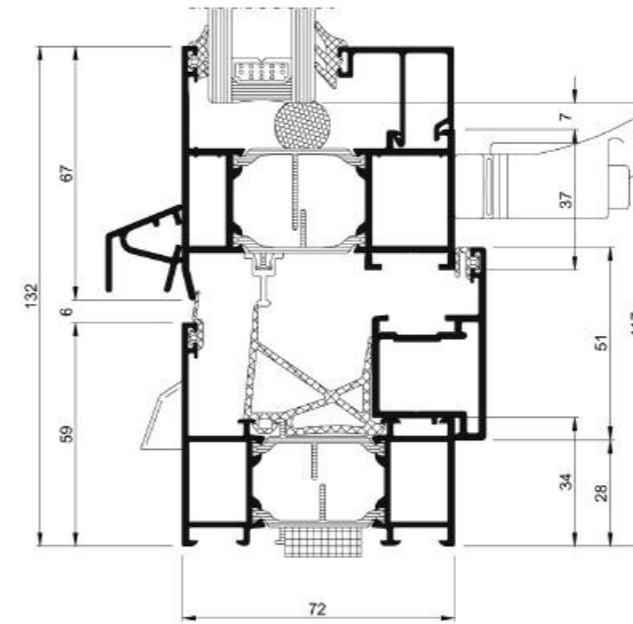
Frame and Vent Size Options



AA®720 Horizontal Pivot Window

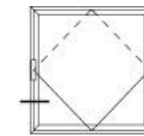
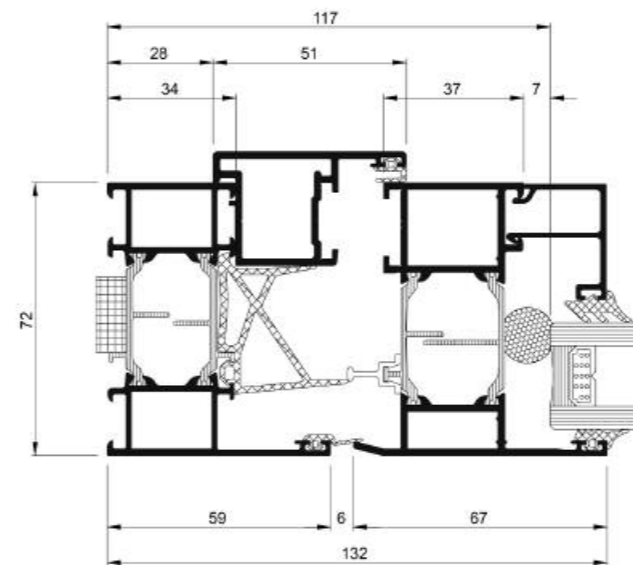
Full details can be downloaded from our website www.kawneer.co.uk

Cill Detail



H5-13

Jamb Detail

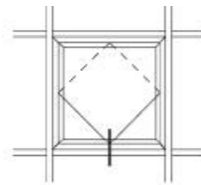
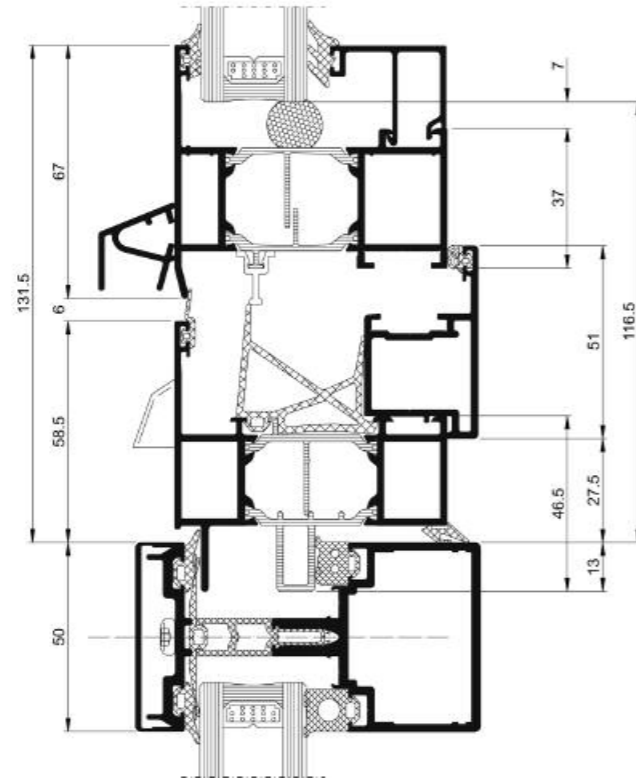


H5-14

AA®720 Horizontal Pivot Window

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

Pivot into Curtain Wall

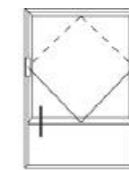
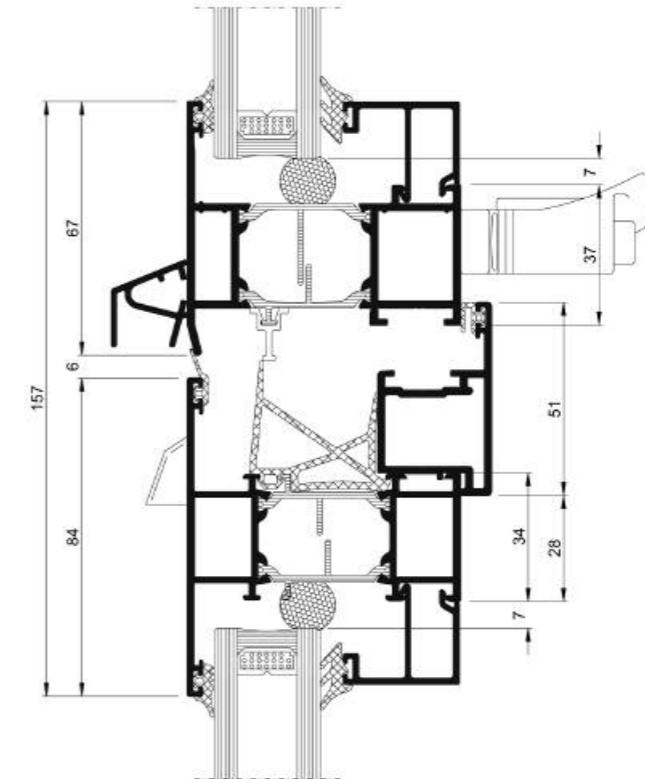


H5-21

AA®720 Horizontal Pivot Window

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

Transom Cill Detail



H5-24

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 24:2016.

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



Independently Weather Performance Tested to BS 6375-1: 2015

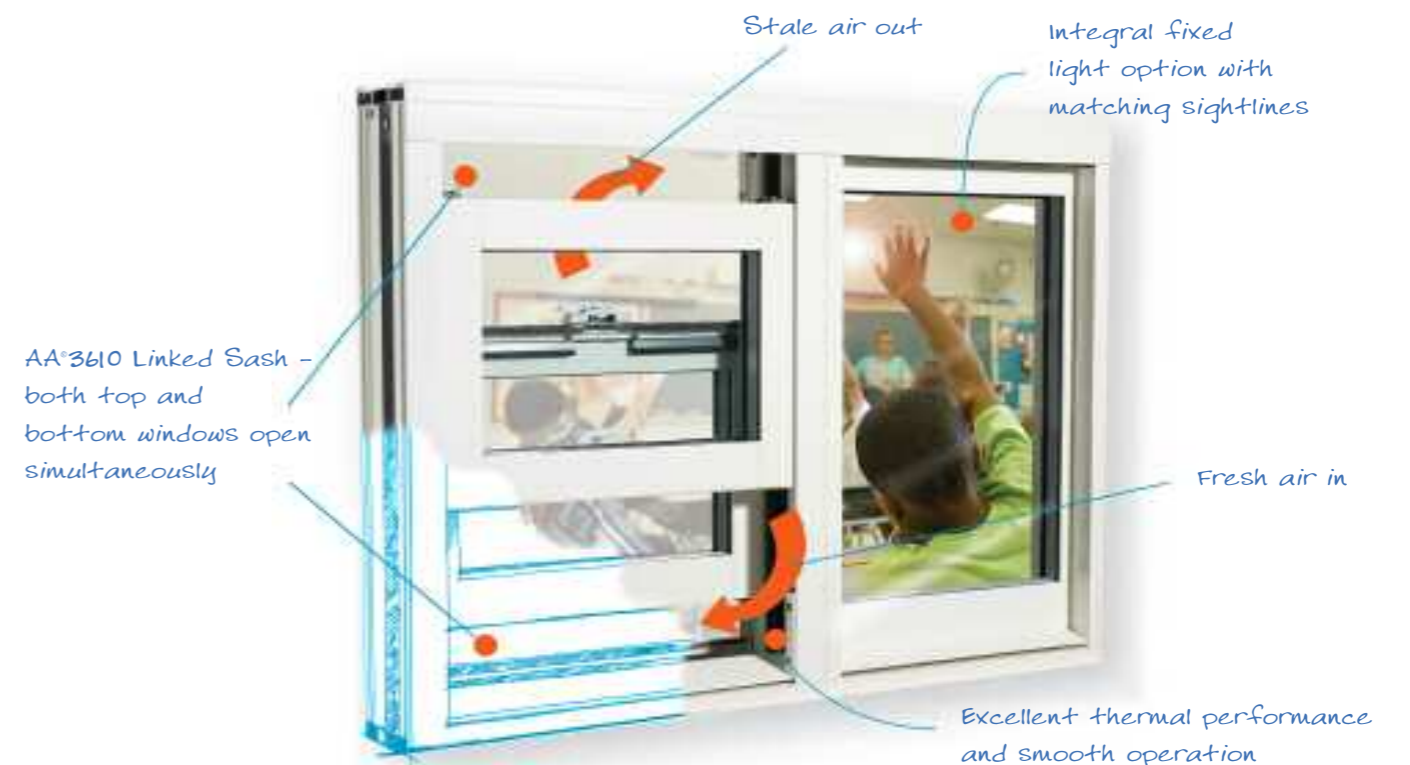
	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208: 2000	Wind Resistance BS EN 12210: 2000
AA®3610 Vertical Slider	Class 3 (600 Pa)	Class 9A (600 Pa)	Class B5 (2000 Pa)

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: 2016*	■	
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

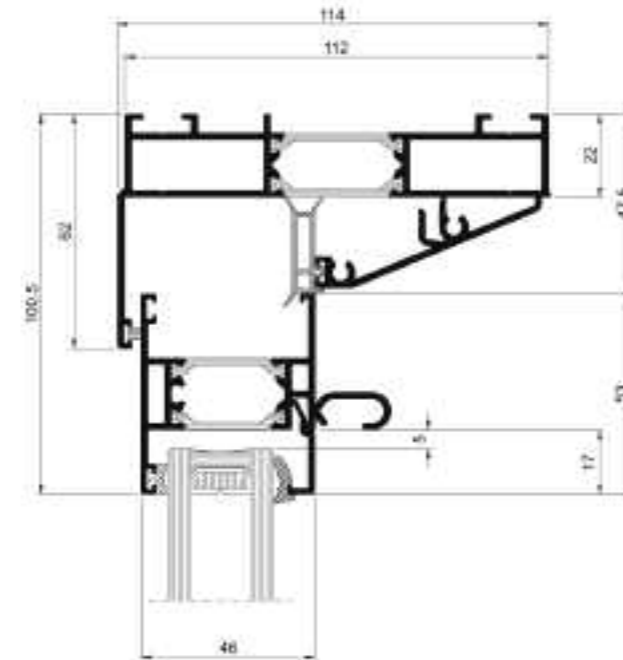
Full details can be downloaded from our website www.kawneer.co.uk

Elevation	Title	Website CAD ref. no.	Elevation	Title	Website CAD ref. no.
	1 1a Cill detail with sub cill	H02.01 H03.01		13,14 13a Coupling - vertical slider/ fixed light	H19.01 H20.01
	2 2a Head detail 1 2b Head detail 2 2c Head detail (trickle vent in frame) (trickle vent in sash)	H04.01 H05.01 H06.01 H07.01		15 15a Fixed light/ fixed light	H21.01 H22.01
	3 Interlock detail	H08.01		16 Cill detail in AA®100 curtain walling	H23.01
	4, 5 Jamb details	H10.01		17 Head detail in AA®100 curtain walling	H24.01
	8, 9 Coupling	H12.01		18 Jamb detail in AA®100 curtain walling	H25.01
	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			

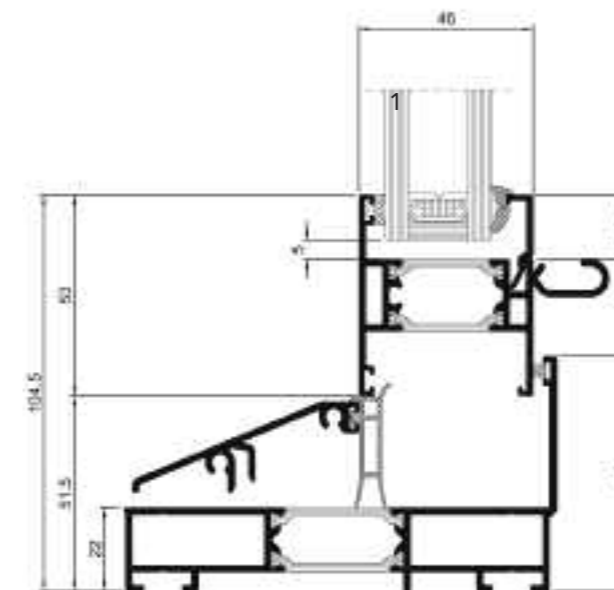
AA®3610/AA®3610LS Vertical Sliding Windows

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

Head Detail



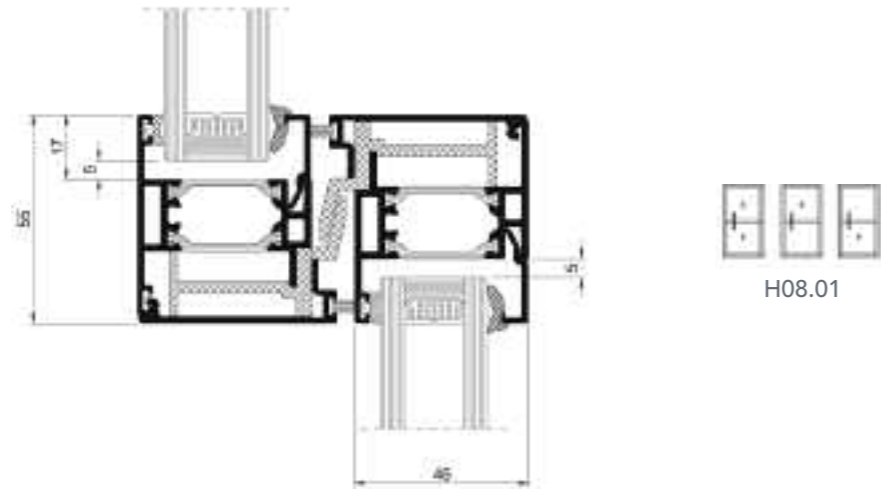
Cill Detail



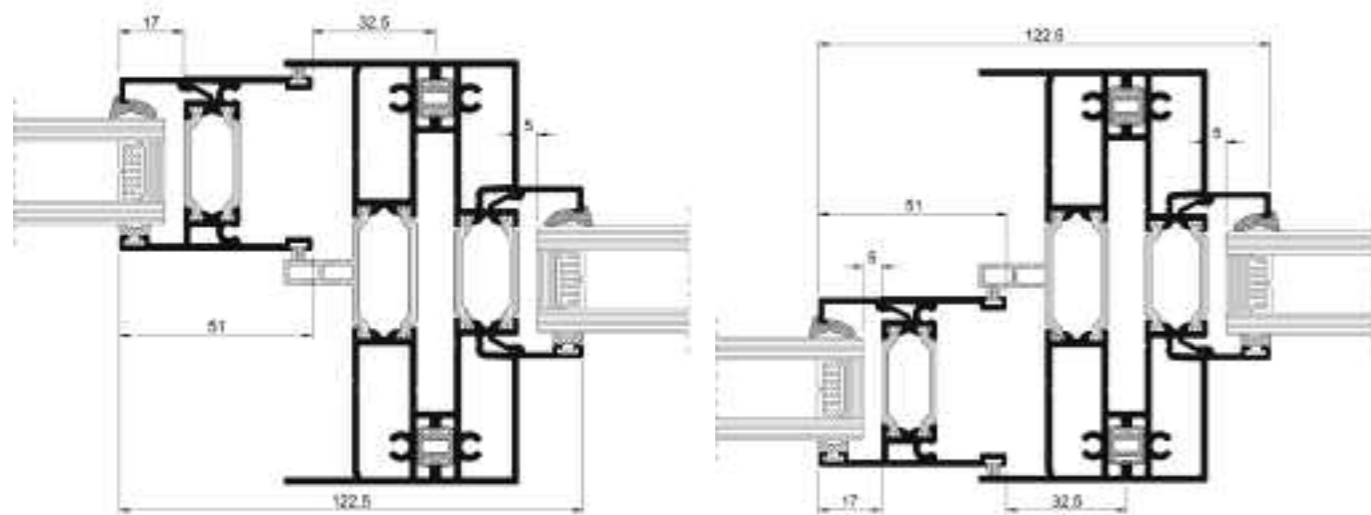
AA®3610/AA®3610LS Vertical Sliding Windows

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

Meeting Rail



Coupling – Vertical Slider/Fixed Light



H19.01

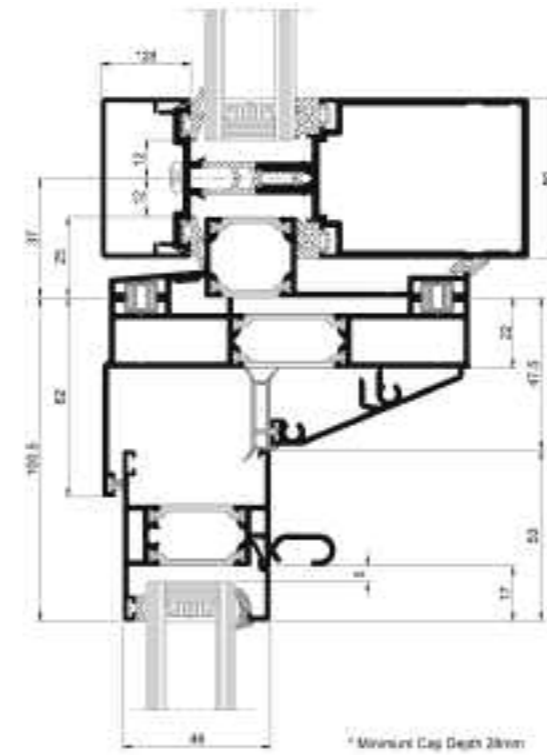


H19.01

AA®3610/AA®3610LS Vertical Sliding Windows

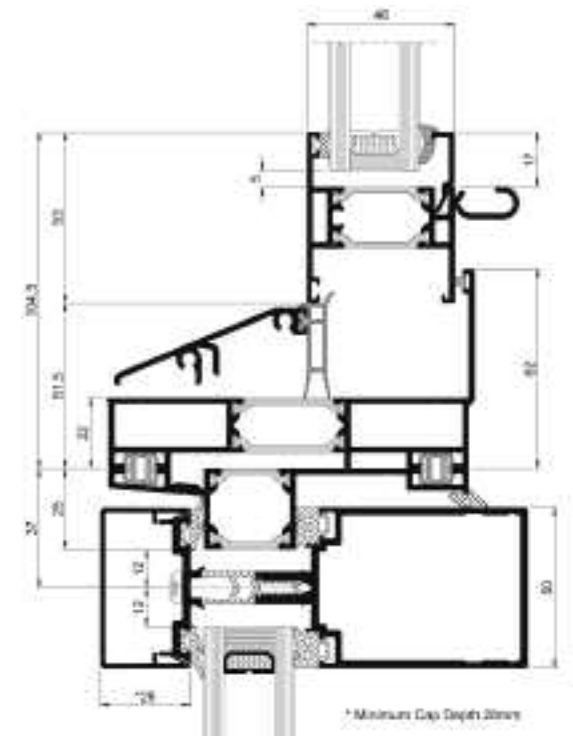
Full details can be downloaded from our website www.kawneer.co.uk

Head Detail into Curtain Wall



H24.01

Cill Detail into Curtain Wall



H23.01

AA®190 TB Door

Introduction

Kawneer design, engineer and manufacture complete door systems for most applications. Kawneer's bespoke facility using state of the art manufacturing technology maintains high standards of processing ensuring equally high standards of performance throughout the lifetime of Kawneer products.

The AA®190 TB is an all-purpose door for use in high traffic areas and automatic entrances. Its robust construction means that it is suitable for use in heavy/severe applications. It can be installed with a finger guard pivot stile, which safeguards against injury to fingers accidentally caught between the hinge stile and frame.

Product Features and Benefits

- The AA®190 TB is the only door with welded construction, supported by a Kawneer Lifetime Guarantee offering peace of mind
- AA®190 TB Door independently tested to PAS 24 Standard - Enhanced security performance of single and double leaf external doors
- Finger Guard Pivot Stile, as standard, protects against trapped fingers when opening and closing, a child-friendly feature
- Butt hinge solution available
- An extremely robust door suitable for medium, heavy and severe duty applications
- External and internal applications offering flexibility of design
- Single, double action, auto swing and bi-parting doors, offering flexibility for a wide range of solutions
- A range of thresholds including low thresholds - Document M compliant
- Single or dual colour options

Construction

Kawneer door systems have been proved by stringent laboratory testing. Strong construction, quality materials, precision engineering, proven hardware and attention to detail are the dependable performance features found in all Kawneer door systems.

Welded Corner Construction

The welded corner joint is the strongest aluminium door construction available, each corner having four separate weld points. Rigorous testing has verified its durability and exceptional strength, making it suitable for use in severe duty applications as defined in BS 6375-2: 2009.

Security*

The AA®190 TB Door has been independently tested to PAS 24 for the enhanced security performance of single and double leaf external doors. The AA®190 TB Door meets light, medium, heavy and severe use specifications and is suitable for external and internal doors in all types of buildings from offices and schools to public use doors such as in shops and hospitals.

** 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®190 TB Door*	Class 2 (300 Pa)	Class 3A (100 Pa)	Class C2 (800 Pa)

* Open-In Double Door with Butt Hinges and Rebated Threshold

Data and Reports for other door configurations are available from the Technical Services Department at Runcorn.

AA®190 TB Commercial Entrance Door Product Details

Product Sizes and Options

Feature	Finger Guard Pivot	Butt Hinge	Auto Slide
Max Leaf Height	3000mm	3000mm	3000mm
Max Leaf Width	1320mm	1200mm	1500mm
Max Leaf Area	3.3m ²	3.0m ²	4.5m ²
Double Glazing	✓	✓	✓
Triple Glazing	✓	✓	✓
Single Action	✓	✓	
Dual Action	✓		
Max Leaf Weight with Concealed Closer	120kg		
Max Leaf Weight with Floor Spring	200kg		
Max Leaf Weight with Surface Mounted Closer	120kg	120kg	
Concealed Panic	✓	✓	
Surface Mounted Panic	✓	✓	
BS 8300-2: 2018 Compliant Threshold	✓	✓	
Rebated Threshold		✓	

The Royal Mint, Llantrisant
Architect: Rio Architects
Image © The Royal Mint





AA®190 TB Round Finger Guard with Threshold (internal view)



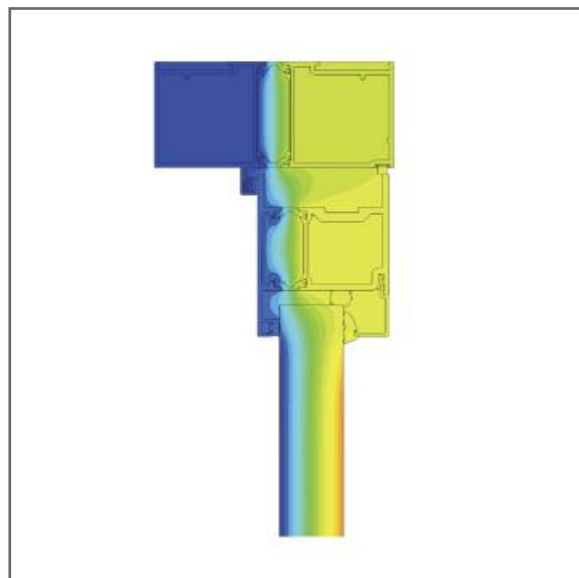
AA®190 TB Butt Hinge and Rebated Threshold Open Out (external view)

All options are available in the 'H' Section of the AA®190 TB Product Manual

U-values

U-values are based on a standard single door, open out on a CEN sized door

Single - Open Out - Low Threshold		
Centre Pane Ug	1.0 W/m²K	0.7 W/m²K
Whole Door Uw	1.73 W/m²K	1.52 W/m²K



Butt Hung Open In Head Detail



Butt Hung Open In Threshold

AA®190 TB Door

Typical Elevations

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

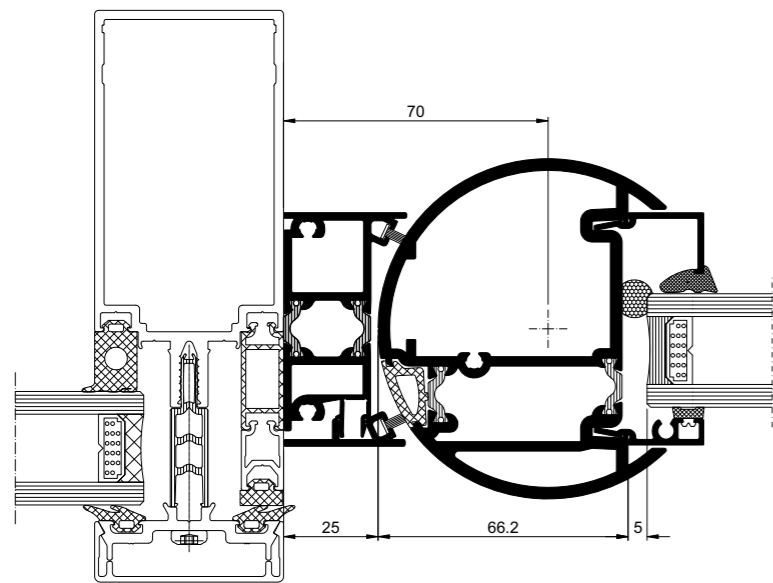
Elevation	Title	Website CAD ref. no.	
Single Leaf Doors	Double Leaf Doors	Round Finger Guard	Flat Finger Guard
		H1 02.01	H2 02.01
		H1 03.01, H1 04.01	H2 03.01, H2 04.01
		H1 05.01	H2 05.01
		H1 07.01	H2 07.01
		H1 08.01, H1 13.01	H2 08.01, H2 11.01
		H1 09.01, H1 11.01	H2 09.01, H2 12.01
		H1 12.01, H1 14.01	
		H1 15.01, H1 16.01	
		H1 10.01	H2 10.01
Single Leaf Doors	Double Leaf Doors	Butt Hinge Open-in	Butt Hinge Open-out
		H3 02.01, H3 11.01	H4 02.01, H4 11.01
		H3 03.01, H3 04.01	H4 03.01, H4 04.01
		H3 05.01, H3 06.01	H4 05.01, H4 06.01
		H3 07.01	H4 07.01
		H3 08.01, H3 12.01	H4 08.01, H4 12.01
		H3 09.01, H3 13.01	H4 09.01, H4 13.01
		H3 10.01	H4 10.01
Auto Slide (single)	Auto Bi-Parting	Auto Slide	
		H5 02.01	
		H5 03.01, H5 04.01	
		H5 05.01	
		H5 07.01	
		H5 08.01	
		H5 09.01	
		H5 10.01	

AA®190 TB Door

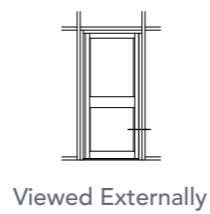
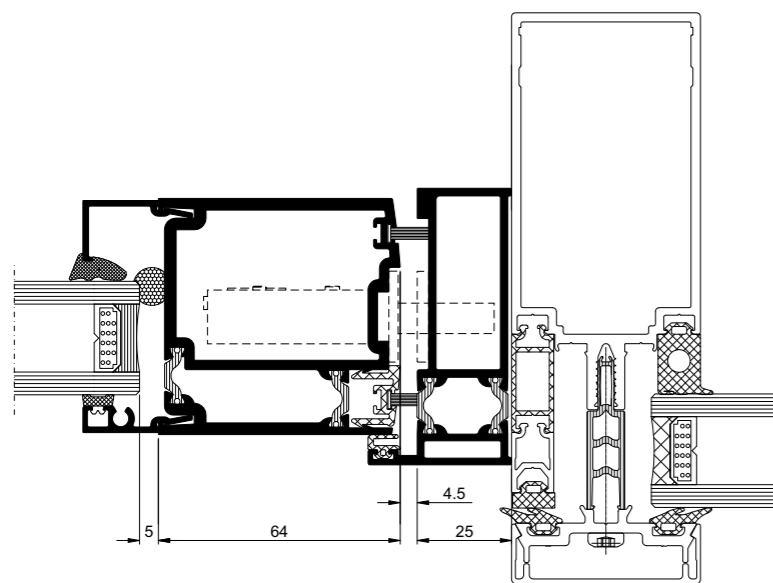
Full details can be downloaded from our website www.kawneer.co.uk

Finger Guard Pivot Door

Jamb Detail - Curtain Wall Adaptor



Jamb Detail - Lock Stile Curtain Wall Adaptor

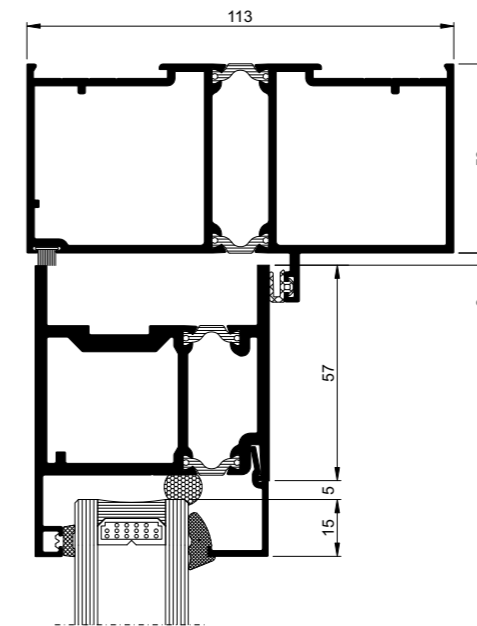


AA®190 TB Door

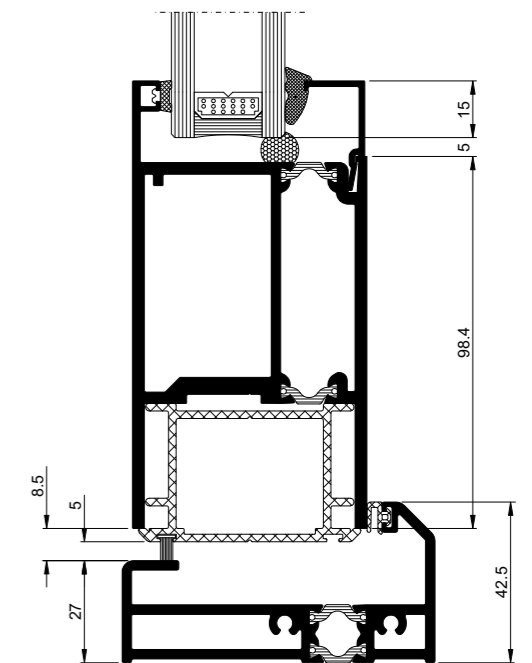
Full details can be downloaded from our website www.kawneer.co.uk

Butt Hinge Door

Head Detail (Open Out)



Rebated Threshold Detail (Open Out)

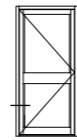
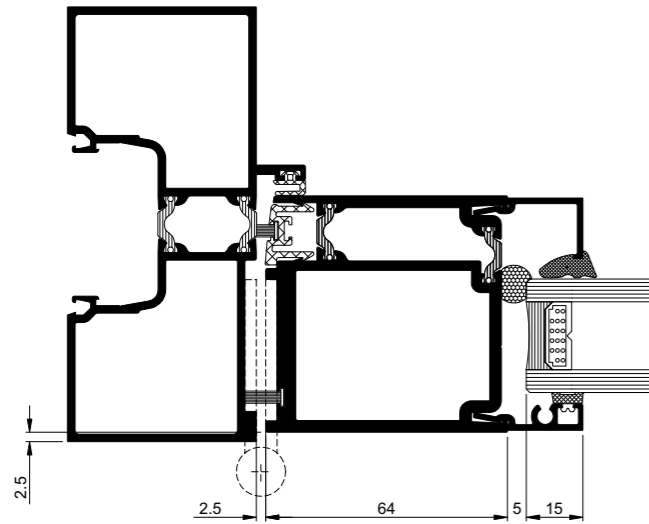


AA®190 TB Door

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

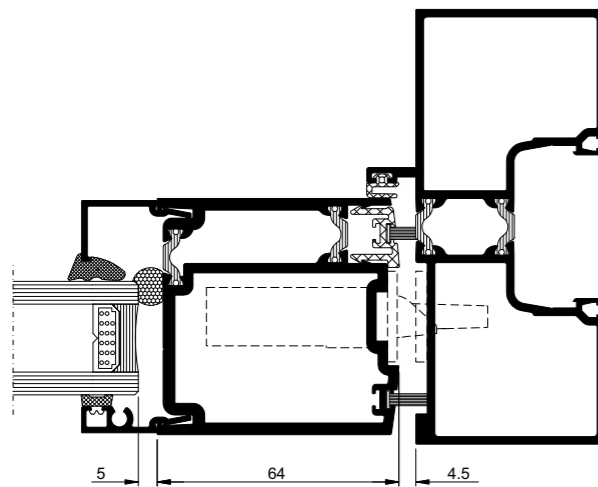
Butt Hinge Door

Jamb Detail - Hinge Stile (Open Out)



H4 08.01
Viewed Externally

Jamb Detail - Lock Stile (Open Out)



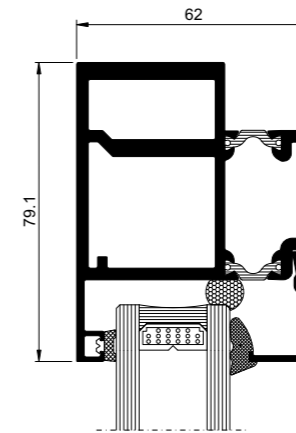
H4 09.01
Viewed Externally

AA®190 TB Door

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

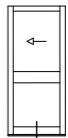
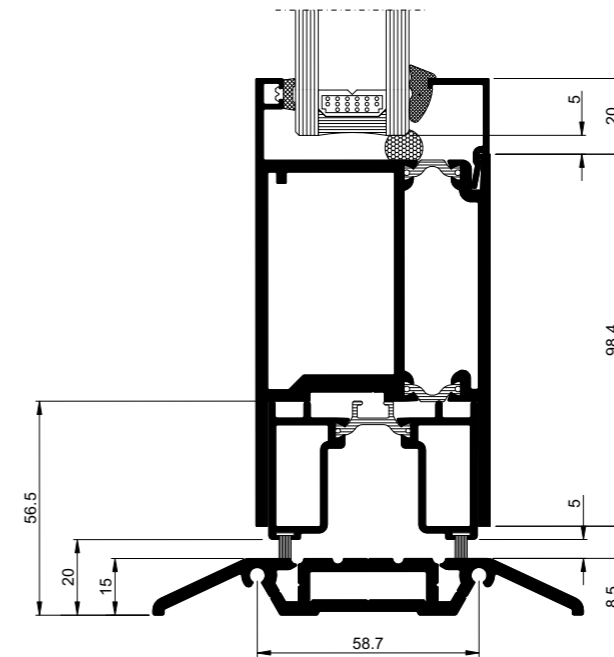
Auto Slider

Head Rail



H5 02.01
Viewed Externally

Threshold



H5 03.01
Viewed Externally

Appendix F. Window Colour Choice Information (Proposed)

The colour chosen is deemed to be the closest match to the existing windows.

RAL Classic



RAL White and black hues

Home > RAL Classic > RAL White and black hues

The category **White and black hues** in the collection **RAL Classic** (which is part of the RAL color system) contains **14** colors. Press a color for more information.

Yellow hues >

Orange hues >

Red hues >

Violet hues >

Blue hues >

Green hues >

Grey hues >

Brown hues >

White & black hues >

RAL 9001

RAL 9002

RAL 9003

RAL 9004

RAL 9005

RAL 9006

RAL 9007

RAL 9010

RAL 9011

RAL 9016

RAL 9017

RAL 9018

RAL 9022

RAL 9023



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