

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)



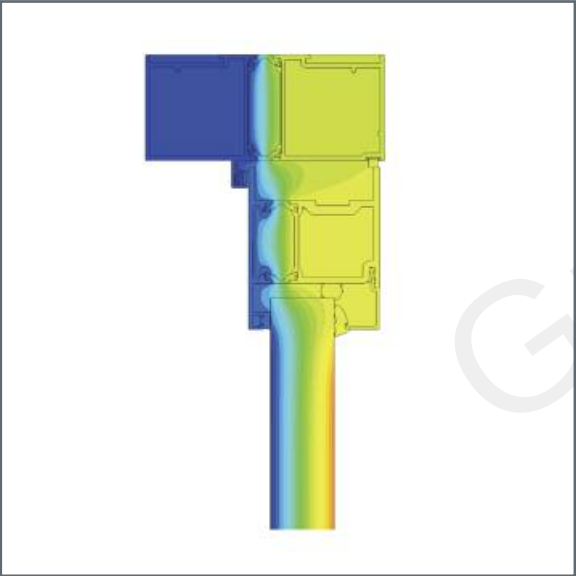
AA®190 TB Butt Hinge and Rebated Threshold Open Out (external view)

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
		1 Head	H1 02.01	H2 02.01
		2 Threshold	H1 03.01, H1 04.01	H2 03.01, H2 04.01
		3 Midrail	H1 05.01	H2 05.01
		4 Pivot Stile	H1 07.01	H2 07.01
		5 Lock Stile	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	
		6 Meeting Stile	H1 15.01, H1 16.01	H2 10.01
			H1 10.01	
Single Leaf Doors	Double Leaf Doors		Butt Hinge Open-in	Butt Hinge Open-out
		1 Head	H3 02.01, H3 11.01	H4 02.01, H4 11.01
		2 Threshold	H3 03.01, H3 04.01	H4 03.01, H4 04.01
		3 Midrail	H3 05.01, H3 06.01	H4 05.01, H4 06.01
		4 Hinge Stile	H3 07.01	H4 07.01
		5 Lock Stile	H3 08.01, H3 12.01	H4 08.01, H4 12.01
		6 Meeting Stile	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	
		1 Head	H5 02.01	
		2 Threshold	H5 03.01, H5 04.01	
		3 Midrail	H5 05.01	
		4 Jamb	H5 07.01	
		5 Lock Stile	H5 08.01	
		6 Meeting Stile	H5 09.01	
			H5 10.01	

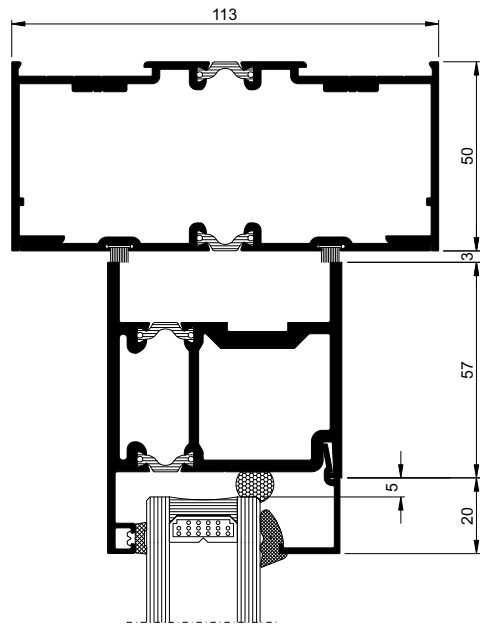


AA®190 TB Door

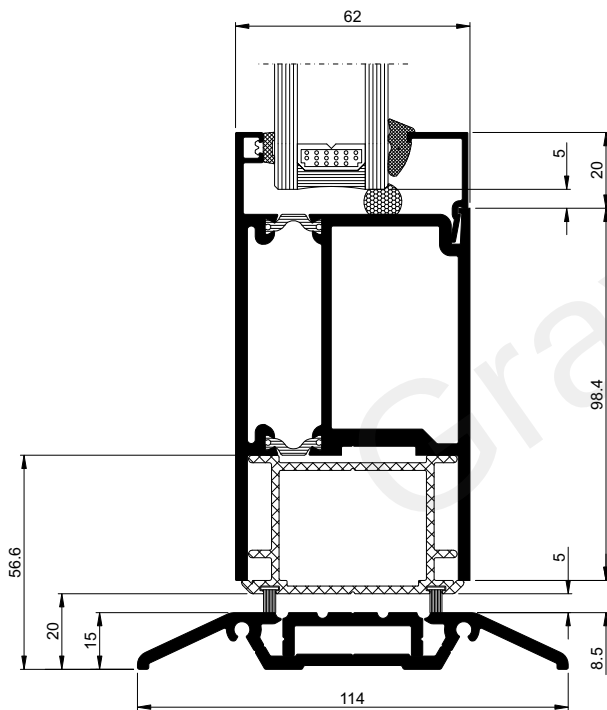
Full details can be downloaded from our website www.kawneer.co.uk

Finger Guard Pivot Door

Head Detail



Threshold Detail

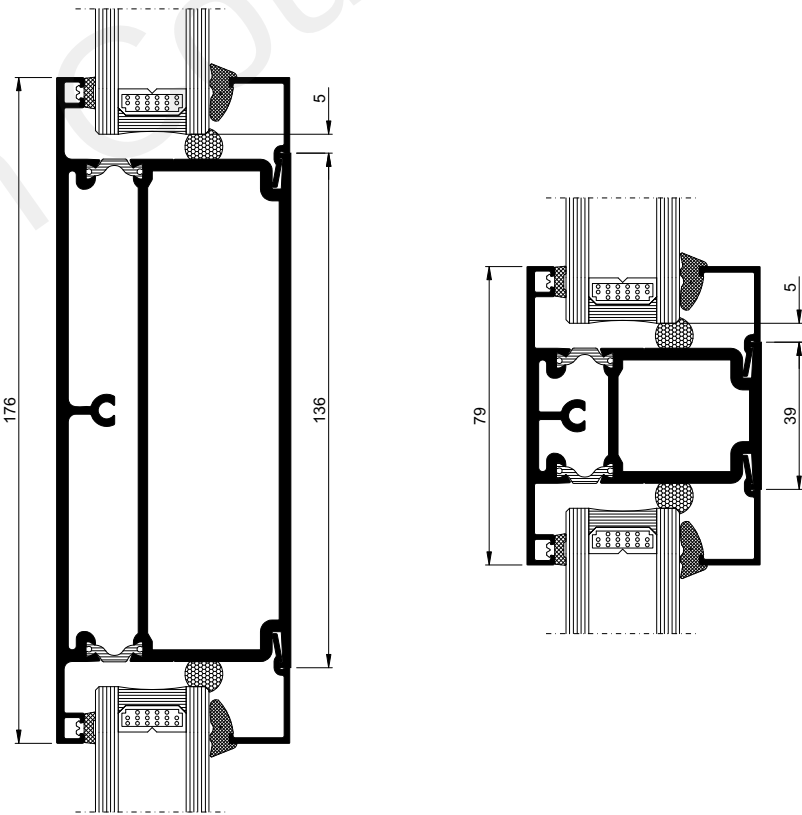


AA®190 TB Door

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

Finger Guard Pivot Door

Midrail Options

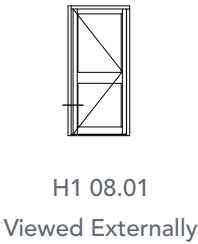
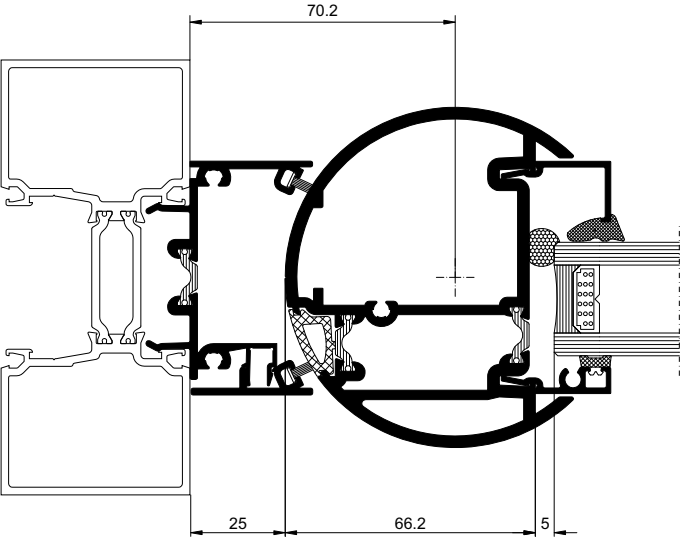


AA®190 TB Door

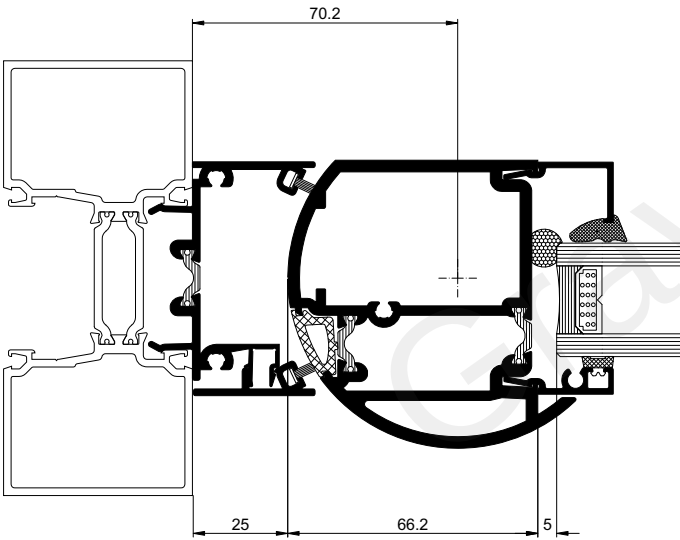
Full details can be downloaded from our website www.kawneer.co.uk

Finger Guard Pivot Door

Jamb Detail (Rounded Finger Guard)



Jamb Detail (Flat Finger Guard)

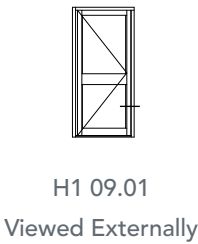
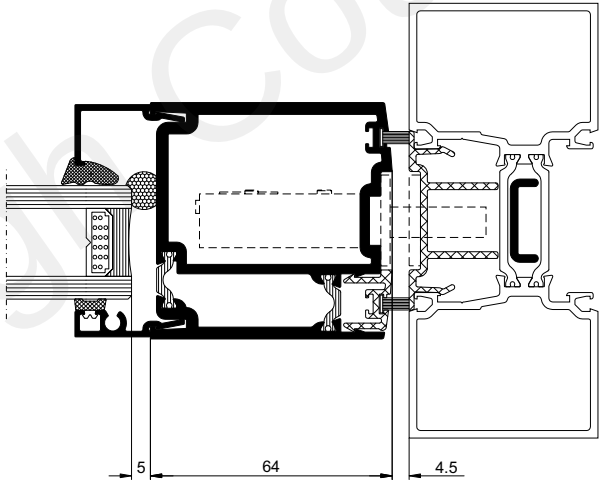


AA®190 TB Door

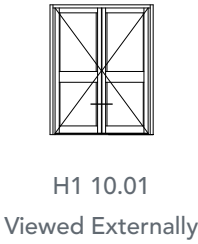
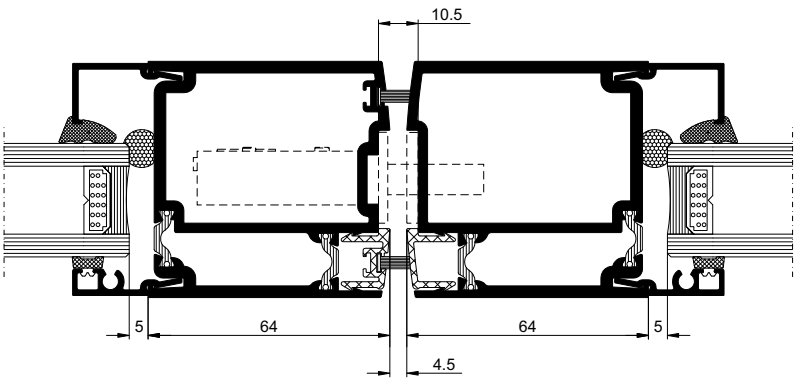
Full details can be downloaded from our website www.kawneer.co.uk

Finger Guard Pivot Door

Jamb Detail (Lock Stile)



Double Door (Meeting Stile)

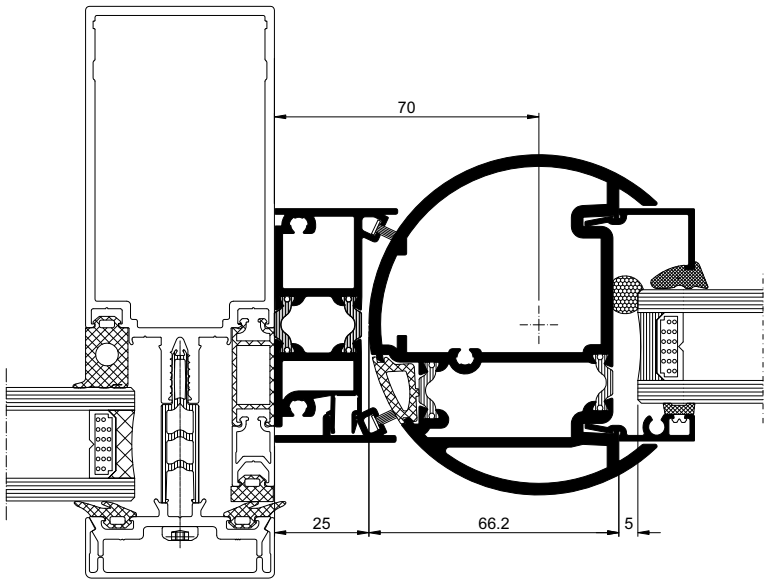


AA®190 TB Door

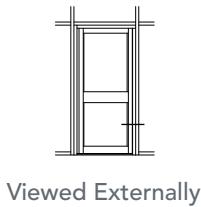
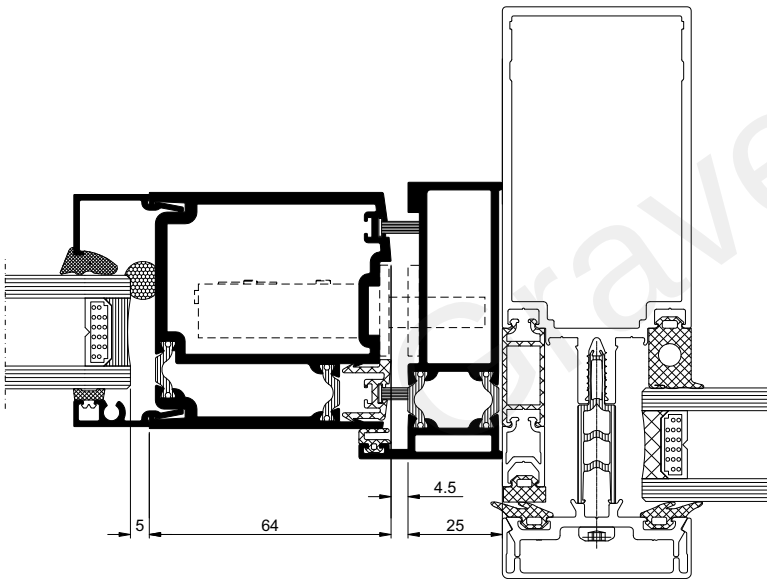
Full details can be downloaded from our website www.kawneer.co.uk

Finger Guard Pivot Door

Jamb Detail - Curtain Wall Adaptor



Jamb Detail – Lock Stile Curtain Wall Adaptor

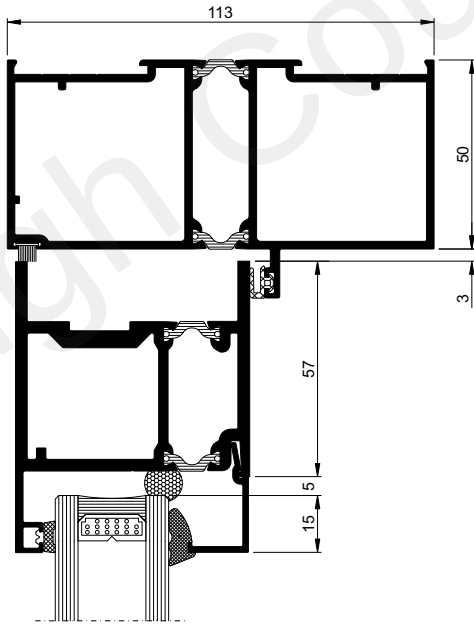


AA®190 TB Door

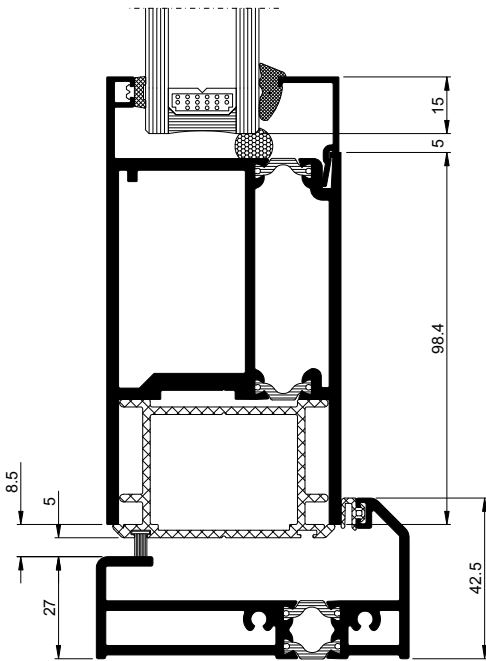
Full details can be downloaded from our website www.kawneer.co.uk

Butt Hinge Door

Head Detail (Open Out)



Rebated Threshold Detail (Open Out)

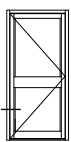
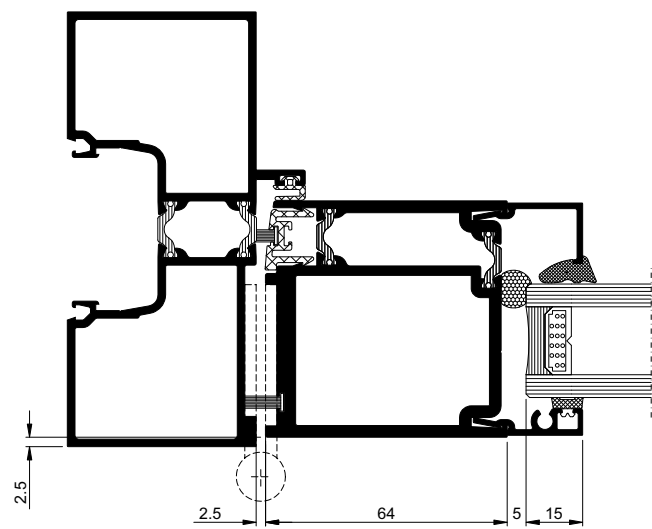


AA®190 TB Door

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

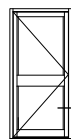
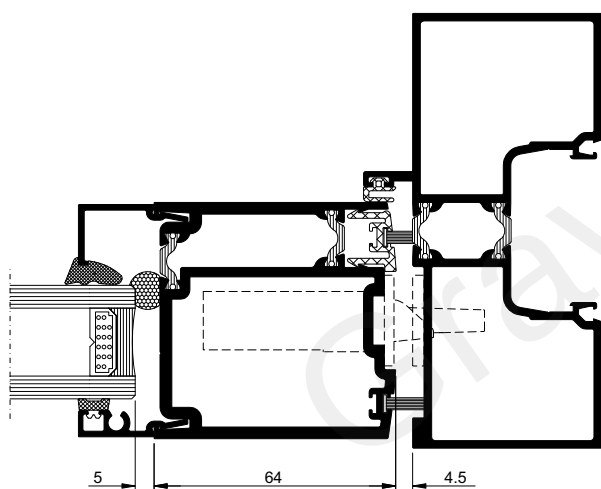
Butt Hinge Door

Jamb Detail - Hinge Stile (Open Out)



H4 08.01
Viewed Externally

Jamb Detail - Lock Stile (Open Out)



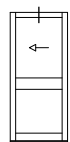
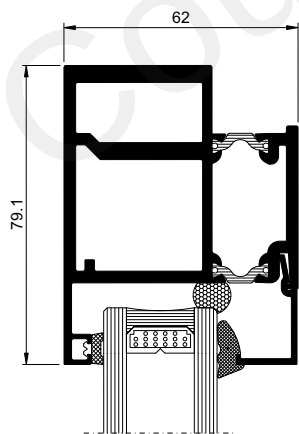
H4 09.01
Viewed Externally

AA®190 TB Door

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

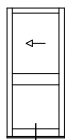
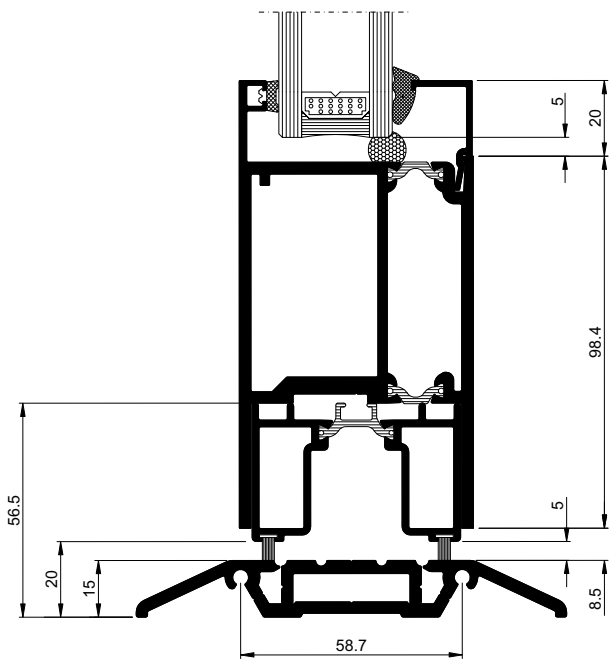
Auto Slider

Head Rail



H5 02.01
Viewed Externally

Threshold



H5 03.01
Viewed Externally

