

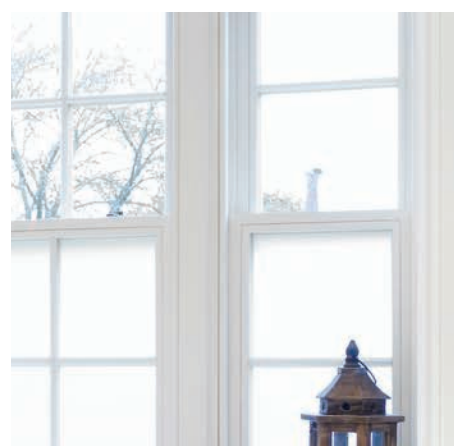
BERECO

TECHNICAL

GUIDE



Sliding Sash Windows



Operation

Sashes slide up and down vertically, can be fixed or can be a combination of both.

Mechanism

Cords & Weights

1. Cord = 6mm Nylon Plaited Sash Cord (SS4080)
2. Steel or Lead = 2no of 2" square/round steel or lead weights, balanced to size & weight of sash
3. Pulley Wheels = 2no 2" of for each sash either side fitted near the top end of the frame jambs
4. Easy Clean System = Simplex fittings allowing the bottom sash to be cleaned from inside (optional on opening bottom sashes only)

Spiral Balance

2 pre-tensioned inline spring-loaded balances are used per sash and are rebated into the jambs of the outer frame.

Minimum & maximum sizes and a guide to fire escape.

	Spiral Balance	Cords & Weights
Max Sash Weight	36kg	50kg
Min Width	400mm	500mm
Max Width	1250mm	1350mm
Min Height	900mm	900mm
Max Height	2400mm	2700mm

Fire Escape

Min Width	562mm	670mm
50/50 Min Height	1200mm	1200mm
40/60 Min Height	1440mm	1440mm
33/67 Min Height	1670mm	1670mm
Min m ²	0.33m ²	0.33m ²

Fire escape sizes show min width and heights to achieve 450mm clear opening.

Min width for Spiral Balance height indicated is 850mm. Min width for Cords & Weights height indicated is 958mm.

Weatherstrips

Name	Location	Colours
Schlegel foam-filled Q-Lon 3037	Verticals against parting bead top & bottom sashes	White / Black / Brown
Schlegel foam-filled Q-Lon 3025	To all other verticals, meeting rails and top rail of top sash	White / Black / Brown
Rubber TPA KDA	2 bottom rail gasket to bottom sash	White / Black / Brown

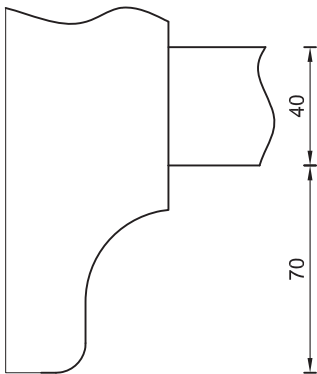
Vents

Name	Location	Colours	EA Rating	Acoustic Rating D _{n,e,w} (+/-)
Trimvent Select Xtra XS16	Frame Head	Brown / White	4600 EA	Open 31 (0;0), Closed 42 (-1;-2)
PG16 Grill (x2)	Concealed			

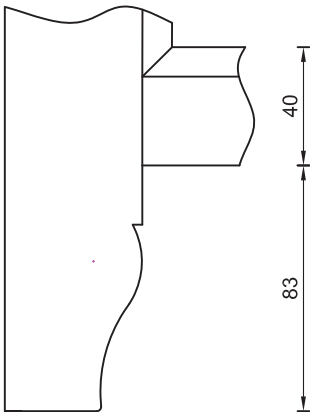
Horns

	Top Sash Only	Top & Bottom Sashes
Contemporary	70mm	70mm (95mm*)
Traditional	83mm	83mm (95mm*)
Heritage	83mm	83mm

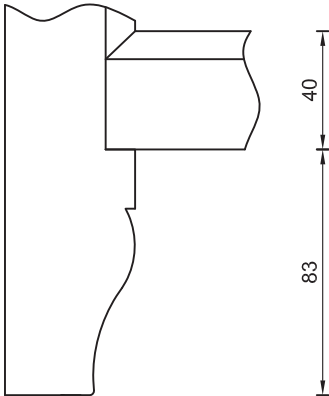
** Applicable when internal horns and sash locking required*



Contemporary Horn



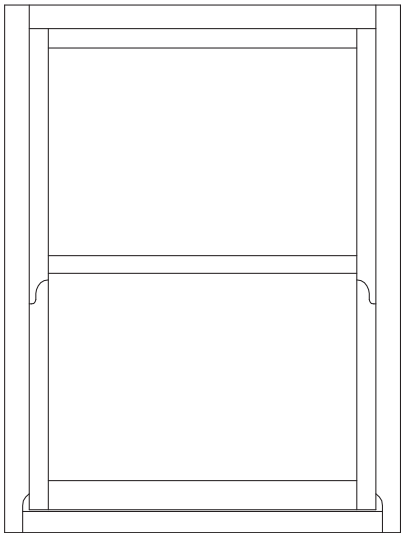
Traditional Horn



Heritage Horn

Contemporary Spiral Balance

Section Details

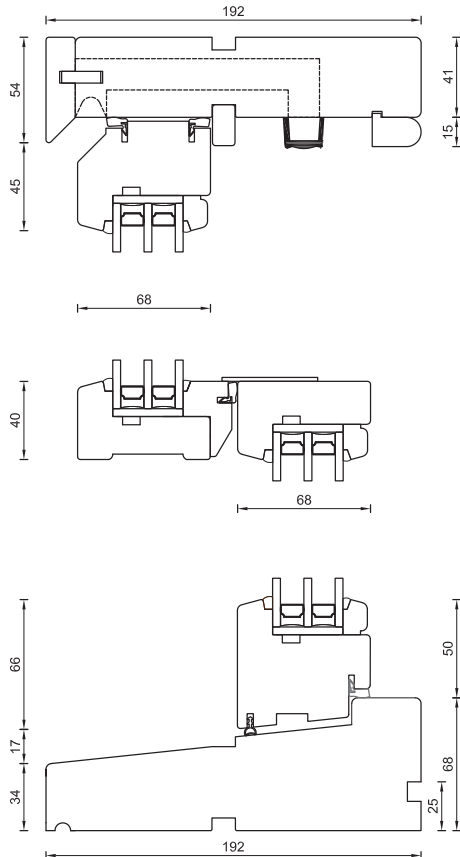
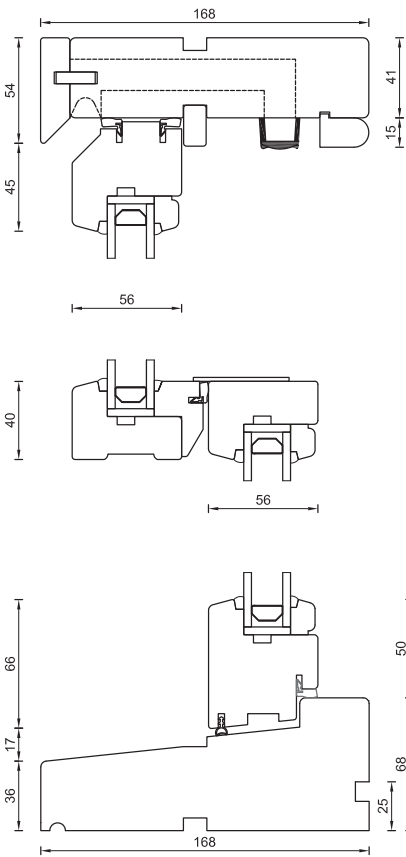
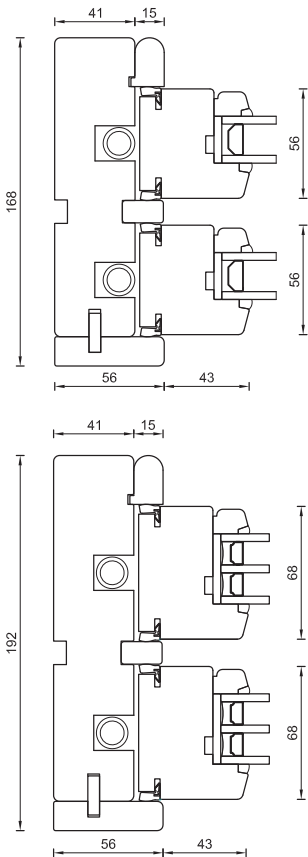


Frame	Double Glazing	Triple Glazing
Head	168mm x 54mm	192mm x 54mm
Jamb	168mm x 56mm	192mm x 56mm
Cill	168mm x 68mm	192mm x 68mm

Top Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 56mm	68mm x 56mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 40mm	68mm x 40mm

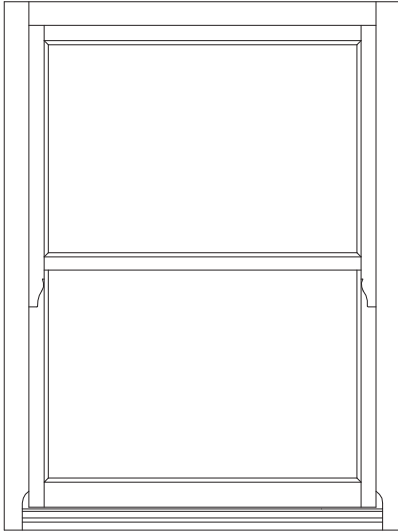
Bottom Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 40mm	68mm x 40mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 66mm	68mm x 66mm

Mullion	Double Glazing	Triple Glazing
	168mm x 112mm	192mm x 112mm

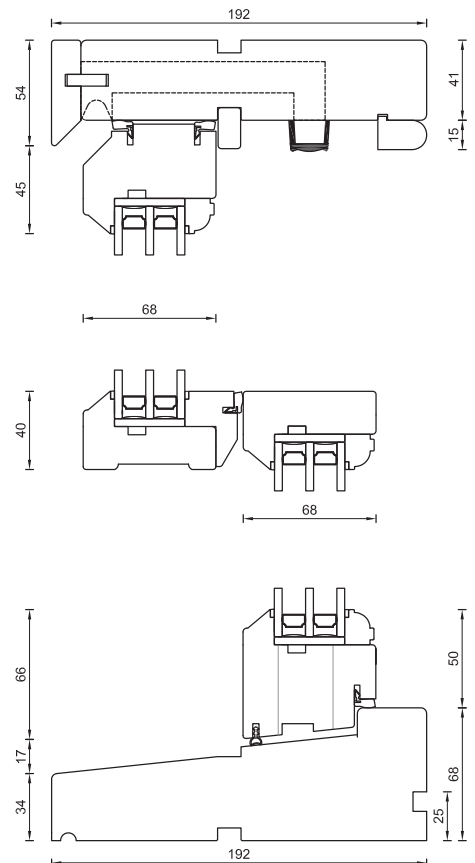
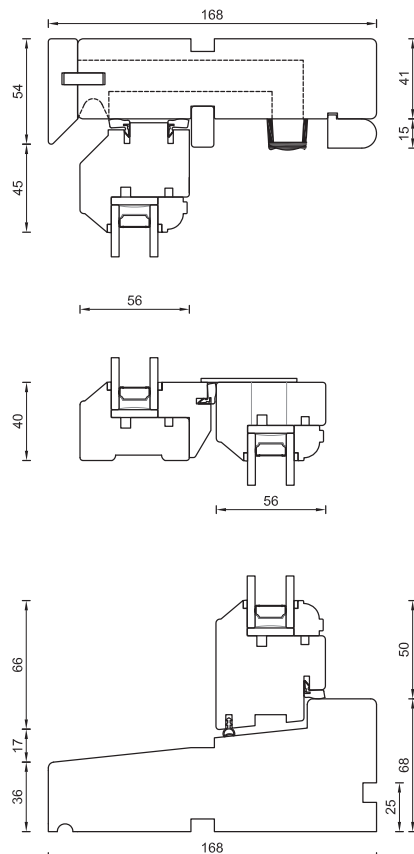
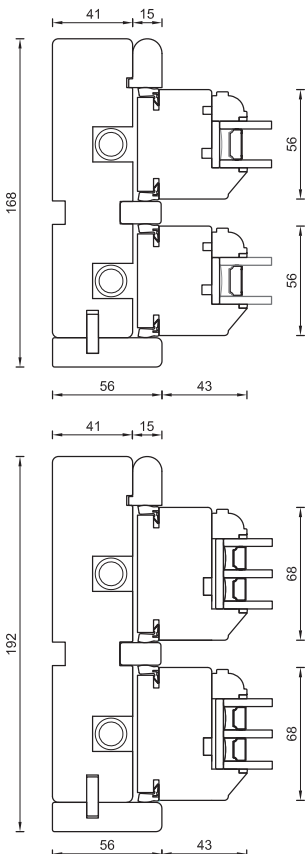


Traditional Spiral Balance

Section Details

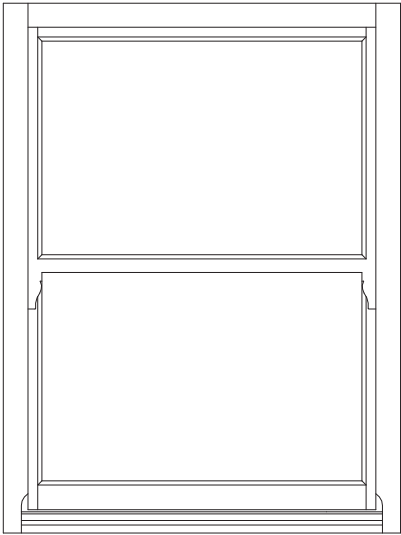


Frame	Double Glazing	Triple Glazing
Head	168mm x 54mm	192mm x 54mm
Jamb	168mm x 56mm	192mm x 56mm
Cill	168mm x 68mm	192mm x 68mm
Top Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 56mm	68mm x 56mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 40mm	68mm x 40mm
Bottom Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 40mm	68mm x 40mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 66mm	68mm x 66mm
Mullion	168mm x 112mm	192mm x 112mm



Heritage Spiral Balance

Section Details

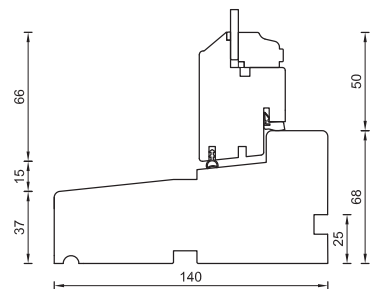
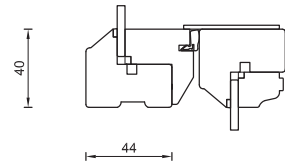
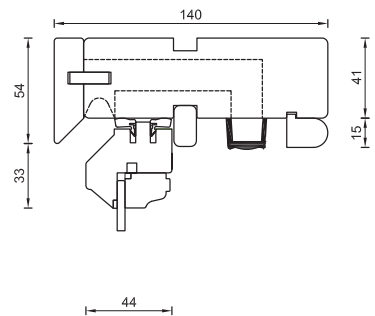
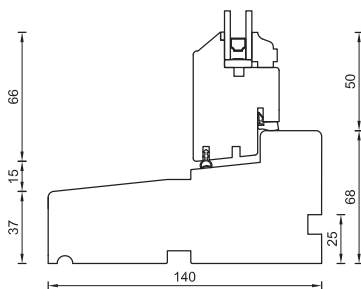
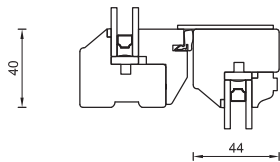
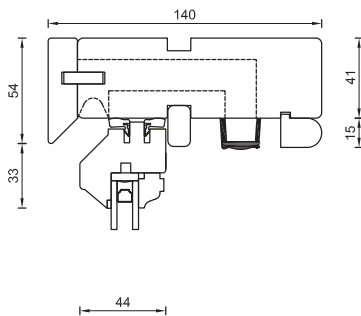
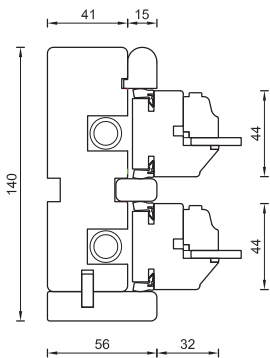
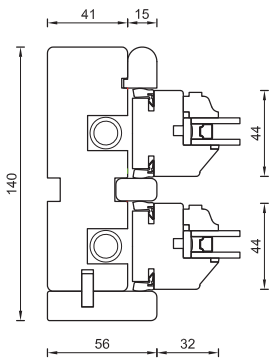


Frame	Single Glazing	SlimLine Glazing
Head	140mm x 54mm	140mm x 54mm
Jamb	140mm x 56mm	140mm x 56mm
Cill	140mm x 68mm	140mm x 68mm

Top Sash	Single Glazing	SlimLine Glazing
Top Rail	44mm x 44mm	44mm x 44mm
Stile	44mm x 44mm	44mm x 44mm
Bottom Rail	44mm x 40mm	44mm x 40mm

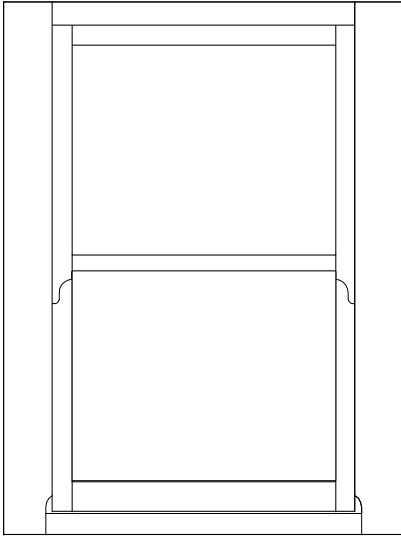
Bottom Sash	Single Glazing	SlimLine Glazing
Top Rail	44mm x 40mm	44mm x 40mm
Stile	44mm x 44mm	44mm x 44mm
Bottom Rail	44mm x 66mm	44mm x 66mm

Mullion	140mm x 112mm	140mm x 112mm
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Contemporary Cords & Weights

Section Details

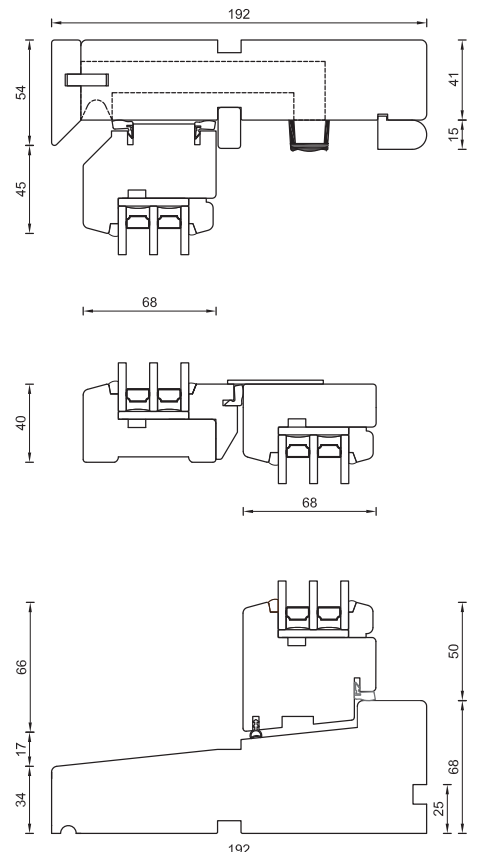
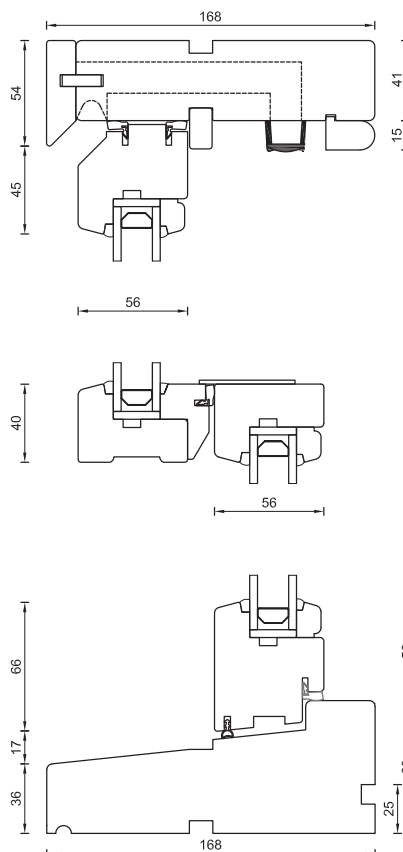
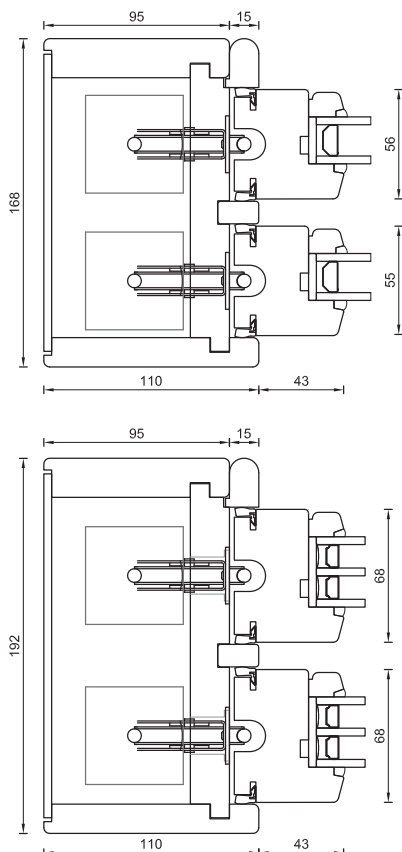


Frame	Double Glazing	Triple Glazing
Head	168mm x 54mm	192mm x 54mm
Jamb	168mm x 110mm	192mm x 110mm
Cill	168mm x 68mm	192mm x 68mm

Top Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 56mm	68mm x 56mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 40mm	68mm x 40mm

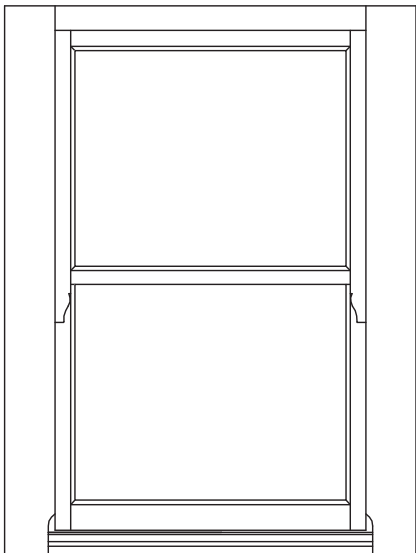
Bottom Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 40mm	68mm x 40mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 66mm	68mm x 66mm

Mullion	Double Glazing	Triple Glazing
	168mm x 112mm	192mm x 112mm



Traditional Cords & Weights

Section Details

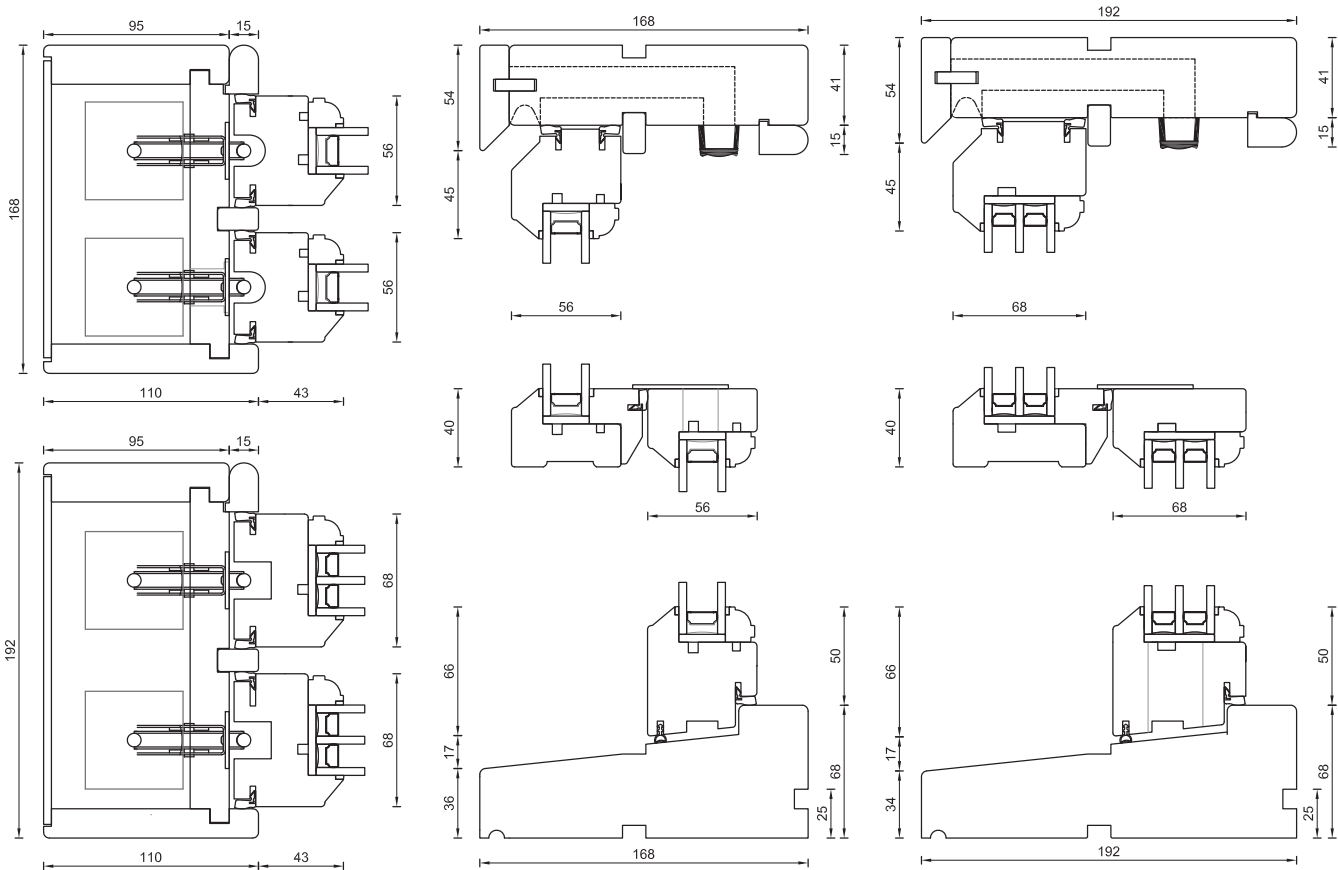


Frame	Double Glazing	Triple Glazing
Head	168mm x 54mm	192mm x 54mm
Jamb	168mm x 110mm	192mm x 110mm
Cill	168mm x 68mm	192mm x 68mm

Top Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 56mm	68mm x 56mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 40mm	68mm x 40mm

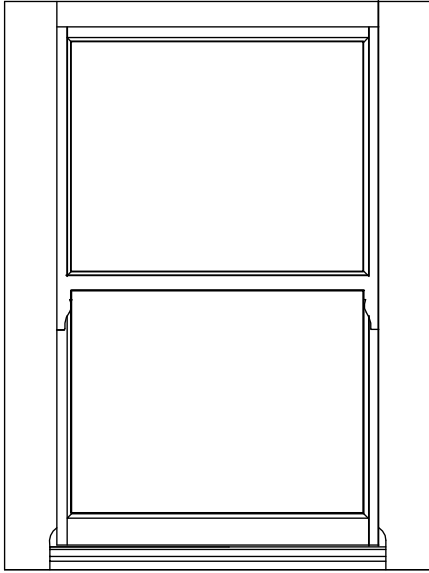
Bottom Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 40mm	68mm x 40mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 66mm	68mm x 66mm

Mullion	Double Glazing	Triple Glazing
	168mm x 112mm	192mm x 112mm



Heritage Cords & Weights

Section Details

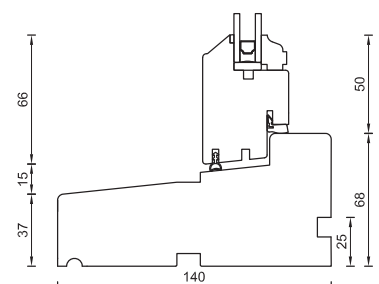
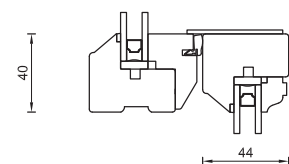
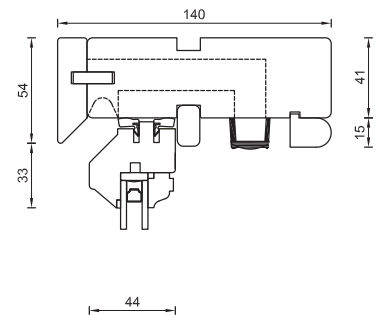
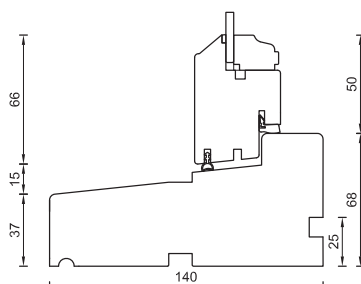
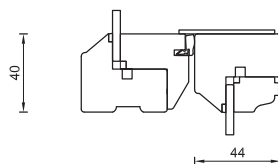
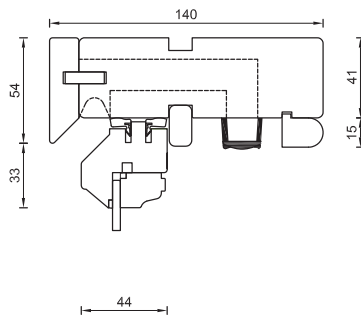
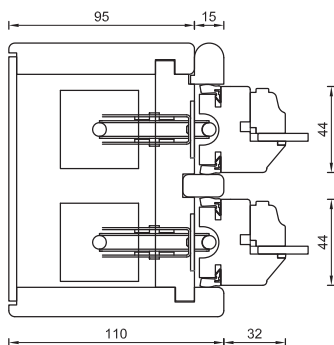
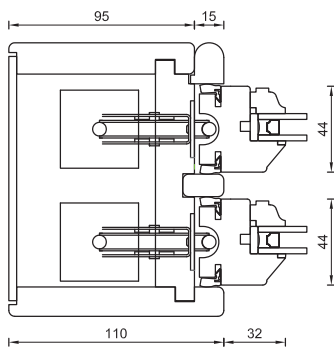


Frame	Single Glazing	SlimLine Glazing
Head	140mm x 54mm	140mm x 54mm
Jamb	140mm x 110mm	140mm x 110mm
Cill	140mm x 68mm	140mm x 68mm

Top Sash	Single Glazing	SlimLine Glazing
Top Rail	44mm x 44mm	44mm x 44mm
Stile	44mm x 44mm	44mm x 44mm
Bottom Rail	44mm x 40mm	44mm x 40mm

Bottom Sash	Single Glazing	SlimLine Glazing
Top Rail	44mm x 40mm	44mm x 40mm
Stile	44mm x 44mm	44mm x 44mm
Bottom Rail	44mm x 66mm	44mm x 66mm

Mullion	140mm x 112mm	140mm x 112mm
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Casement Windows



Operation

Window opens outwards in either side hung or top hung. In the lock position handle points downwards. Turning the handle to 90degrees allows the window to be opened. Night vent position available on Traditional only.

Mechanism

Handle operates espagnolette locking mechanism. Adjustable locking points on handle side and on top and bottom. Handles are fitted centrally in sash with optional low level positions.

Minimum & Maximum Sizes and a guide to fire escape.

	Single Side Hung Sash	Pair Sashes with flying mullion side hung	Top Hung	Combination	Fixed Light
Max Sash Weight	50kg	50kg	50kg		
Min Width	400mm	800mm	400mm	700mm	300mm
Max Width	1100mm	2200mm	1500mm	2500mm	2500mm
Min Height	450mm	700mm	450mm	450mm	300mm
Max Height	1650mm	1650mm	1650mm	2500mm	2500mm

Fire Escape

Min Width	638mm	900mm	562mm
Min Height	850mm	850mm	816mm
Min m ²	0.33 m ²	0.33 m ²	0.33 m ²

Weatherstrips

Contemporary Lipped Casement

Name	Location	Colours
Schlegel foam-filled Q-Lon 3053	fitted to parameter of sash	White / Black / Brown
Deventer DX1362	fitted to flying mullion	White / Black / Brown

Traditional Lipped Casement

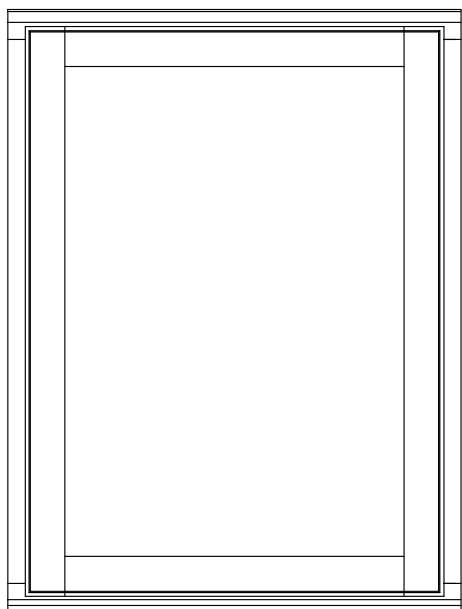
Name	Location	Colours
Schlegel foam-filled Q-Lon 3056	fitted to all sides of frame rebate	White / Black / Brown
Deventer Rubber Seal SV180	fitted to top and side of sash	White / Black / Brown
Schlegel Q-Lon MIS9185	fitted to flying mullion	White / Black / Brown

Traditional & Heritage Flush Casement

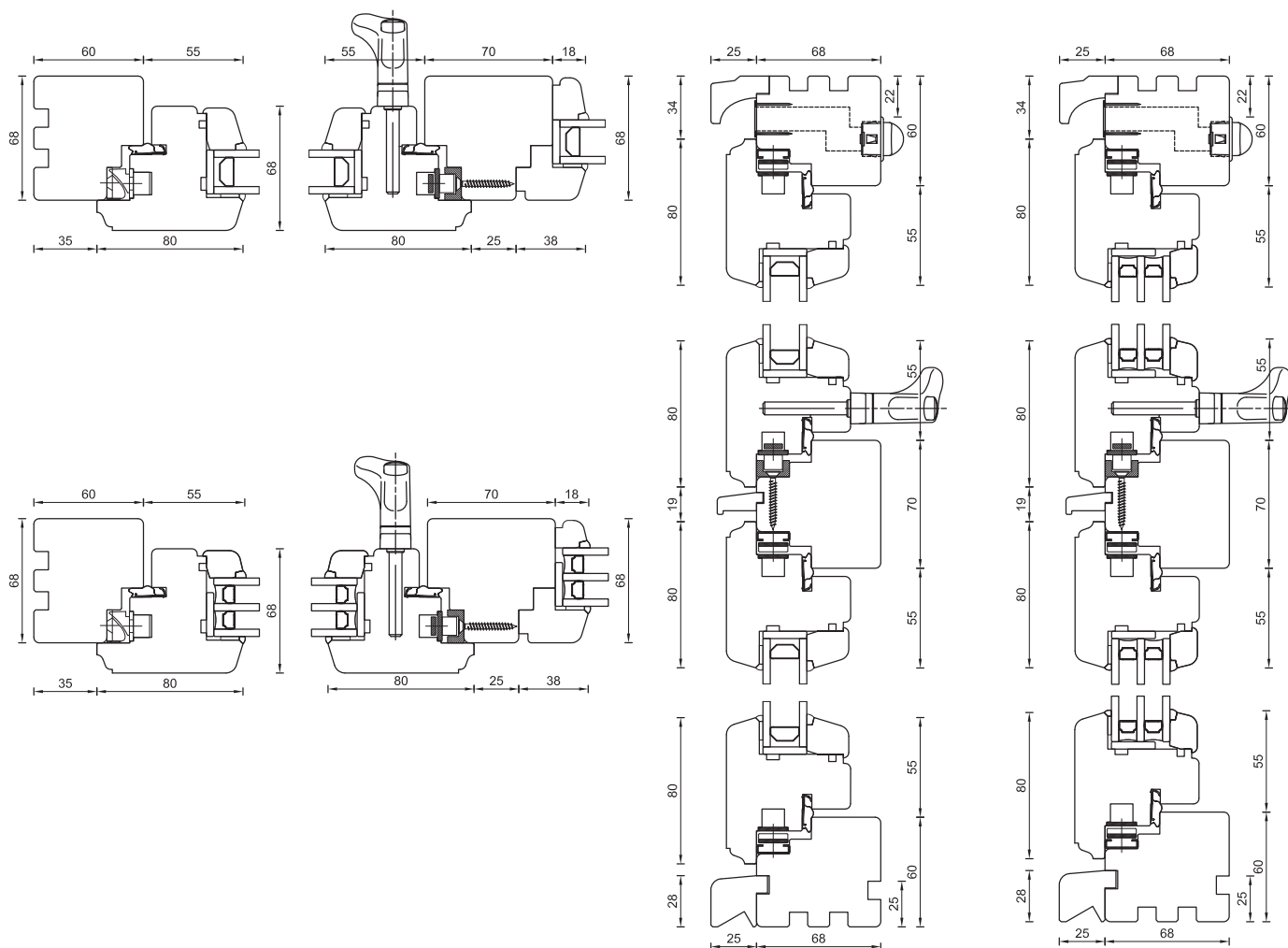
Name	Location	Colours
Schlegel foam-filled Q-Lon 3056	fitted to all sides of frame rebate	White / Black / Brown
Schlegel Q-Lon MIS9185	fitted to flying mullion	White / Black / Brown

Vents

Name	Location	Colours	EA Rating	Acoustic Rating D _{n,e,w} (+/-)
Trimvent Select R13 TV SW 380 Flat Grill	Frame Head Concealed	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
		Brown / White / Silver		
Trimvent Select S13 TV SW 288 Flat Grill	Frame Head Concealed	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
		Brown / White / Silver		
Trimvent Select R13 Trimvent Select C13 (412)	Cheeks at Frame Head	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
		Brown / White		
Trimvent Select S13 Trimvent Select C13 (267)	Cheeks at Frame Head	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
		Brown / White		
Trimvent 90 Hi Lift (425) TV SW 288 Flat Grill	Frame Head	Silver	4300 EA	Open 31 (0;1), Closed 42 (-1;-2)
		Brown / White		
Trimvent 90 Hi Lift (300) TV SW 288 Flat Grill	Frame Head	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
		Silver		
Trimvent 90 Hi Lift (425) HF 441 Canopy	Cheeks at Frame Head	Silver	4300 EA	Open 31 (0;0), Closed 42 (-1;-2)
		Silver		
Trimvent 90 Hi Lift (300) HF 303 Canopy	Cheeks at Frame Head	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
		Silver		

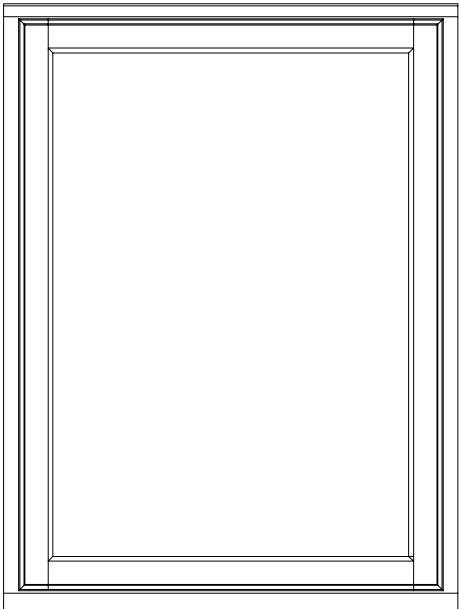


Frame	Double Glazing	Triple Glazing
Head	68mm x 60mm	68mm x 60mm
Head with vent	68mm x 60mm	68mm x 60mm
Jamb	68mm x 60mm	68mm x 60mm
Sash	Double Glazing	Triple Glazing
Top Rail	68mm x 80mm	68mm x 80mm
Stile	68mm x 80mm	68mm x 80mm
Bottom Rail	68mm x 80mm	68mm x 80mm
Mullion	68mm x 70mm	68mm x 70mm
Transom	68mm x 70mm	68mm x 70mm

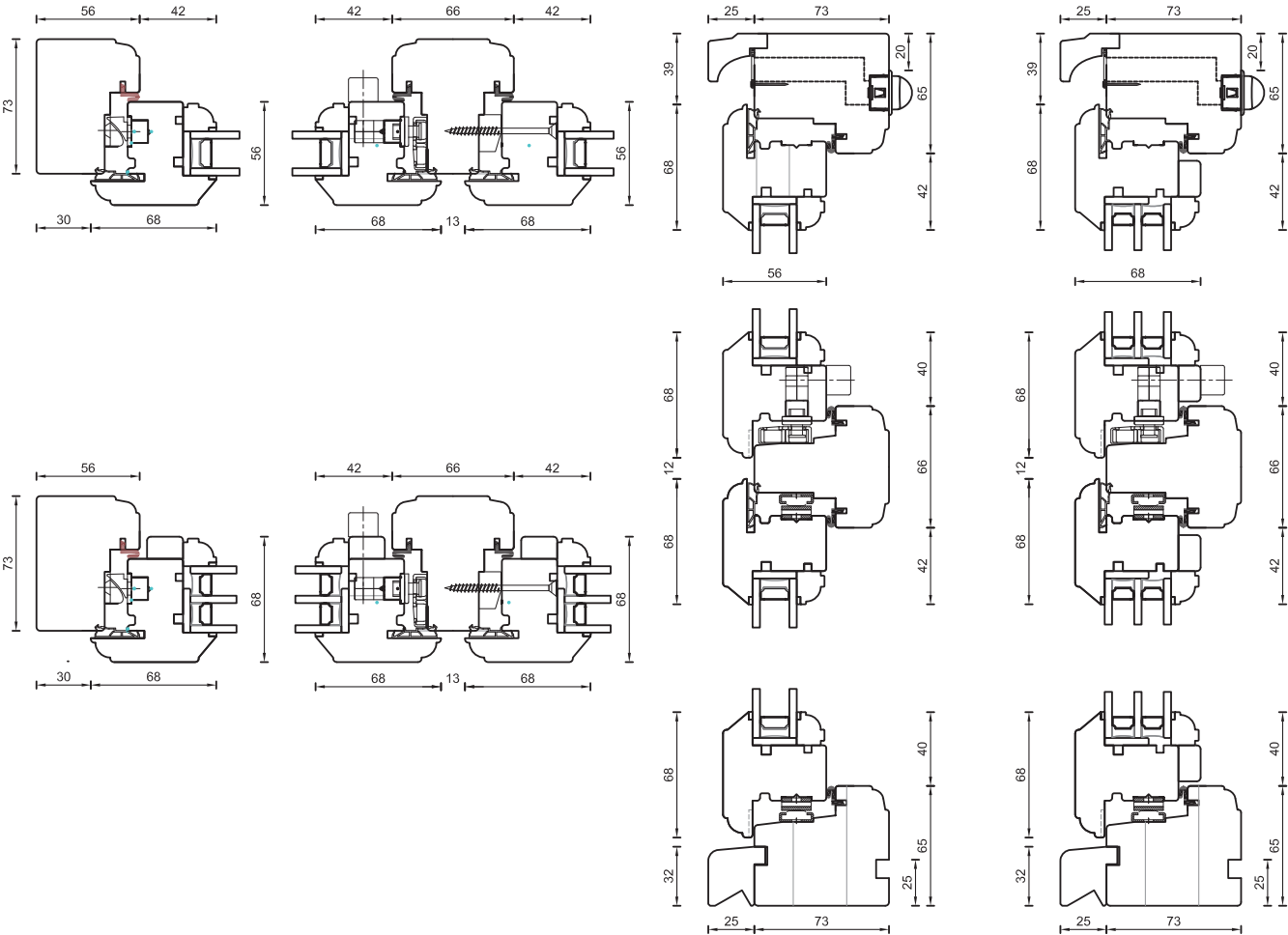


Traditional Lipped Casement

Section Details

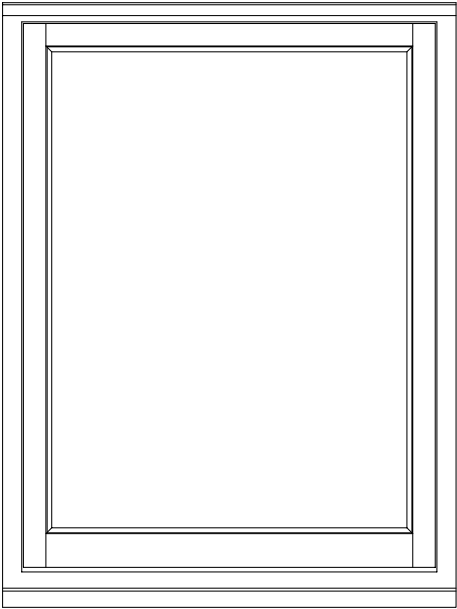


Frame	Double Glazing	Triple Glazing
Head	73mm x 56mm	73mm x 56mm
Head with vent	73mm x 65mm	73mm x 65mm
Jamb	73mm x 56mm	73mm x 56mm
Cill	73mm x 65mm	73mm x 65mm
Cill with Subcill	73mm x 56mm	73mm x 56mm
Sash		
Top Rail	56mm x 68mm	68mm x 68mm
Stile	56mm x 68mm	68mm x 68mm
Bottom Rail	56mm x 68mm	68mm x 68mm
Bottom Rail over transom	56mm x 68mm	68mm x 68mm
Flying Mullion	73mm x 66mm	73mm x 66mm
Mullion	73mm x 66mm	73mm x 66mm
Transom	73mm x 66mm	73mm x 66mm



Traditional Flush Casement

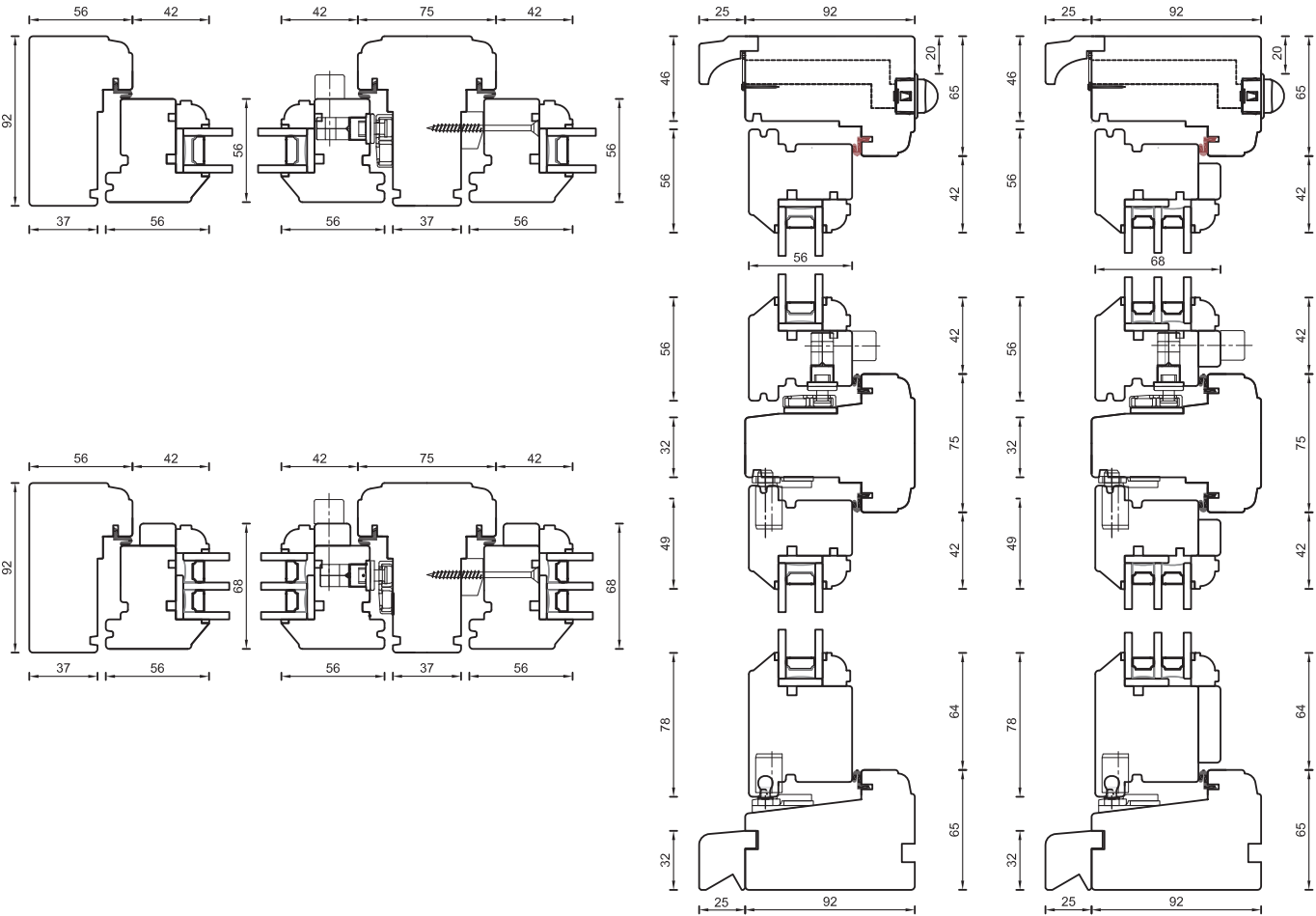
Section Details



Frame	Double Glazing	Triple Glazing
Head	92mm x 56mm	92mm x 56mm
Head with vent	92mm x 65mm	92mm x 65mm
Jamb	92mm x 56mm	92mm x 56mm
Cill	92mm x 65mm	92mm x 65mm
Cill with Subcill	92mm x 56mm	92mm x 56mm

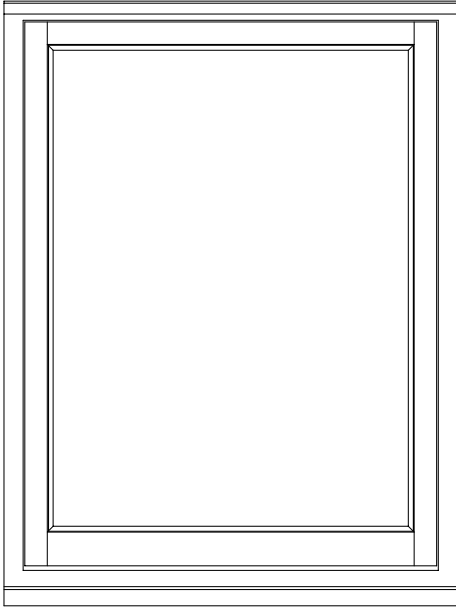
Sash	Double Glazing	Triple Glazing
Top Rail	56mm x 56mm	68mm x 56mm
Stile	56mm x 56mm	68mm x 56mm
Bottom Rail	56mm x 78mm	68mm x 78mm
Bottom Rail over transom	56mm x 56mm	68mm x 56mm
Flying Mullion	81mm x 54mm	81mm x 54mm

Mullion	92mm x 75mm	92mm x 75mm
Transom	92mm x 75mm	92mm x 75mm



Heritage Flush Casement

Section Details



Frame

Single / SlimLine Glazing

Head	92mm x 56mm
Head with vent	92mm x 65mm
Jamb	92mm x 56mm
Cill	92mm x 65mm
Cill with Subcill	92mm x 56mm

Sash

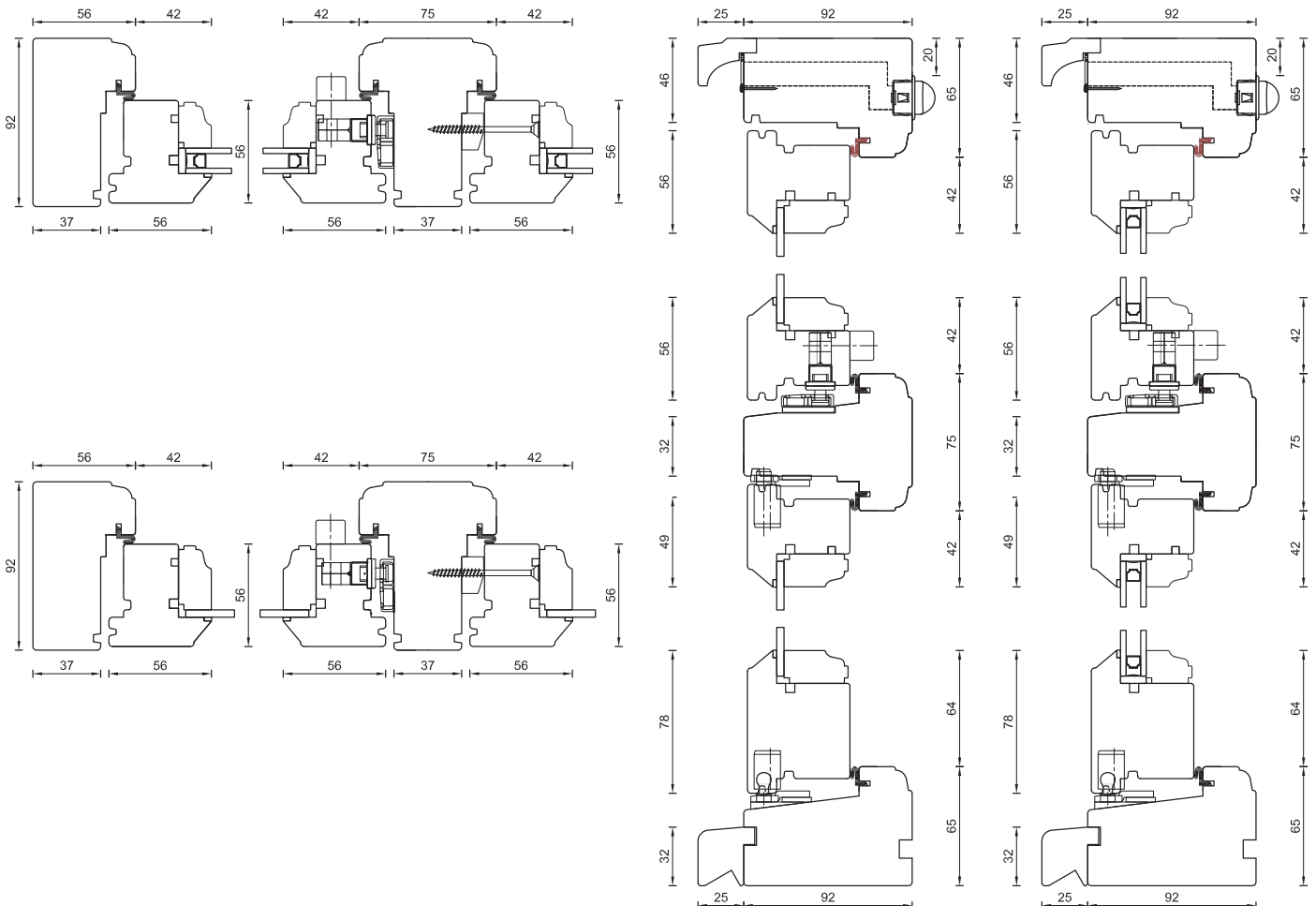
Top Rail	56mm x 56mm
Stile	56mm x 56mm
Bottom Rail	56mm x 78mm
Bottom Rail over transom	56mm x 56mm
Flying Mullion	81mm x 54mm

Mullion

92mm x 75mm

Transom

92mm x 75mm



Tilt & Turn Windows



Operation

Window opens into the room.
In locked position the handle points downwards.
Turning the handle 90 degrees opens the sash fully.
Turning the handle another 90 degrees tilts the sash.
Security device ensures that sash can only be brought into tilt position when pushed against the frame.

Mechanism

Handle operated espagnolette locking mechanism.
Adjustable locking points on handle side and top and bottom. (quantity depending on size)
Handles are fitted centrally on sash stile with optional low level positions. Tilt only windows have a handle positioned centrally on top rail and can be positioned centrally on sash stile only if specified.

Minimum & Maximum Sizes and a guide to fire escape.

	Single Side Hung Sash	Pair Sashes with flying mullion side hung	Combination Frames	Fixed Light
Max Sash Weight	130kg	130kg		
Min Width	416mm	1010mm	700mm	300mm
Max Width	1526mm	2948mm	2500mm	2500mm
Min Height	571mm	666mm	300mm	300mm
Max Height	2451mm	2451mm	2500mm	2500mm

Fire Escape

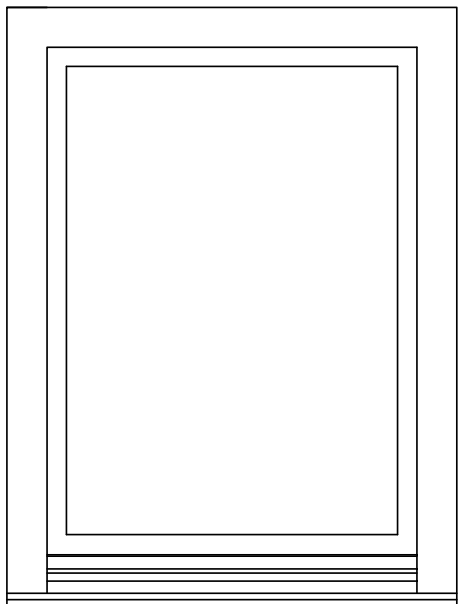
Min Width	623mm	1010mm
Min Height	926mm	926mm
Min m ²	0.33 m ²	0.33 m ²

Weatherstrips

Name	Location	Colours
Deventer Rubber Seal S7503	2 weatherstrips fitted to full parameter of sash.	White / Black / Brown
Deventer S6600	fitted to flying mullion	White / Black / Brown

Vents

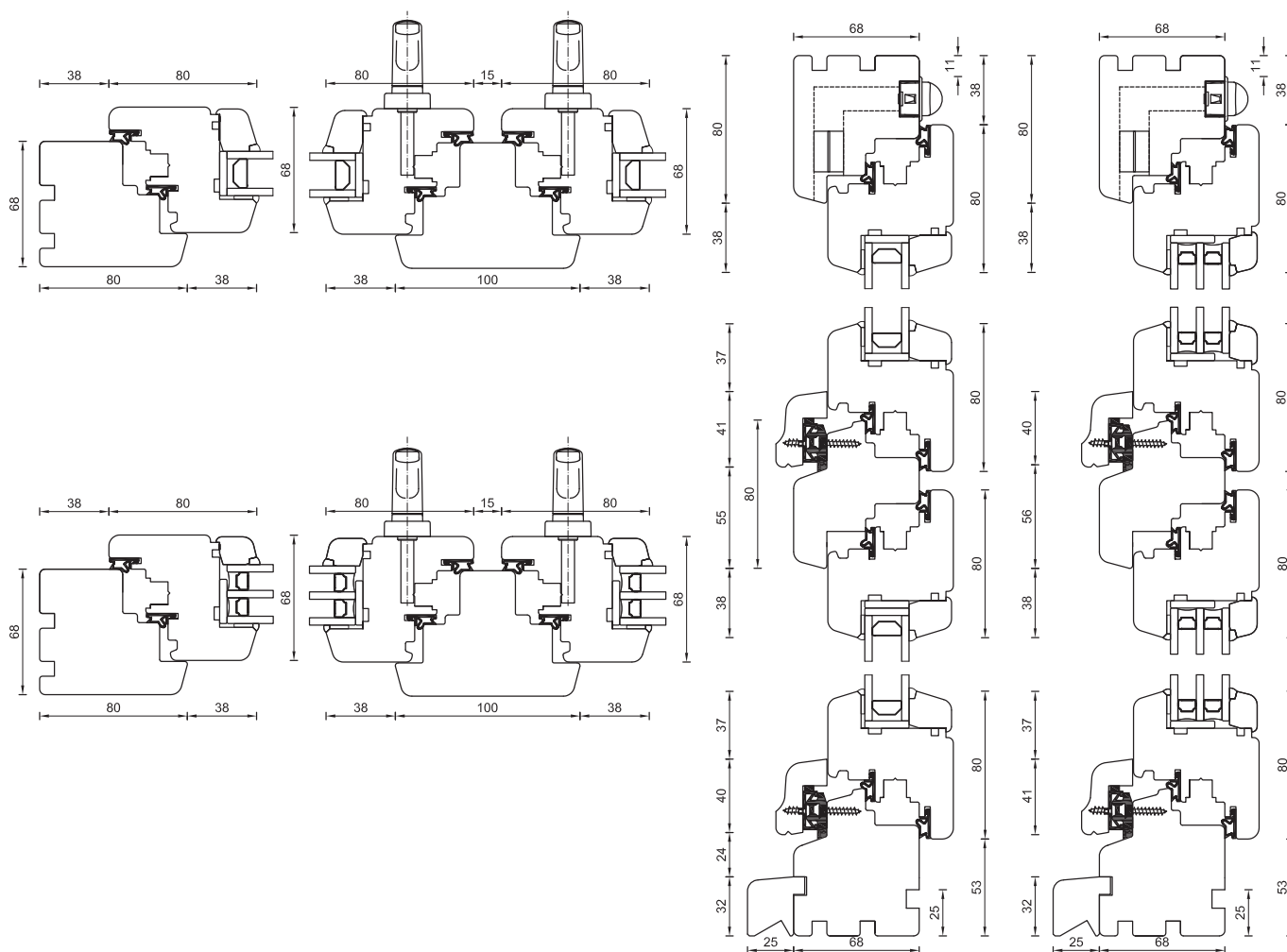
Name	Location	Colours	EA Rating	Acoustic Rating D n,e,w (+/-)
Trimvent Select R13	Frame Head Concealed	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
PG16 Grill (x2)		Brown / White		
Trimvent Select R13	Frame Head	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
Trimvent Select C13 (412)		Brown / White		
Trimvent Select S13	Frame Head Concealed	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
PG16 Grill (x1)		Brown / White		
Trimvent Select S13	Frame Head	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
Trimvent Select C13 (267)		Brown / White		
Trimvent 90 Hi Lift (425)	Frame Head Concealed	Silver	4300 EA	Open 31 (0;1), Closed 42 (-1;-2)
PG16 Grill (x2)		Brown / White		
Trimvent 90 Hi Lift (425)	Frame Head	Silver	4300 EA	Open 31 (0;1), Closed 42 (-1;-2)
HF 441 Canopy		Silver		
Trimvent 90 Hi Lift (300)	Frame Head Concealed	Silver	2500 EA	Open 31 (0;0), Closed 42 (-1;-2)
PG16 Grill (x1)		Brown / White		
Trimvent 90 Hi Lift (300)	Frame Head	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
HF 303 Canopy		Silver		



Head	68mm x 80mm
Jamb	68mm x 80mm
Cill	68mm x 80mm

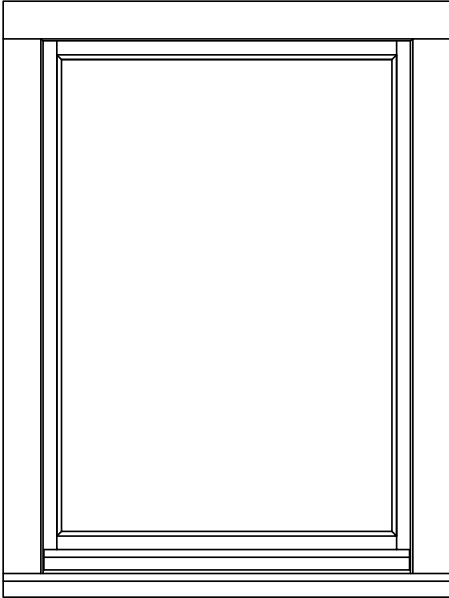
Top Rail	68mm x 80mm
Stile	68mm x 80mm
Bottom Rail	68mm x 80mm
Bottom rail over transom	68mm x 80mm
Flying Mullion	68mm x 80mm

Transom 68mm x 80mm



Traditional Tilt & Turn

Section Details



Frame

Head	68mm x 80mm
Jamb	68mm x 80mm
Cill	68mm x 80mm

Sash

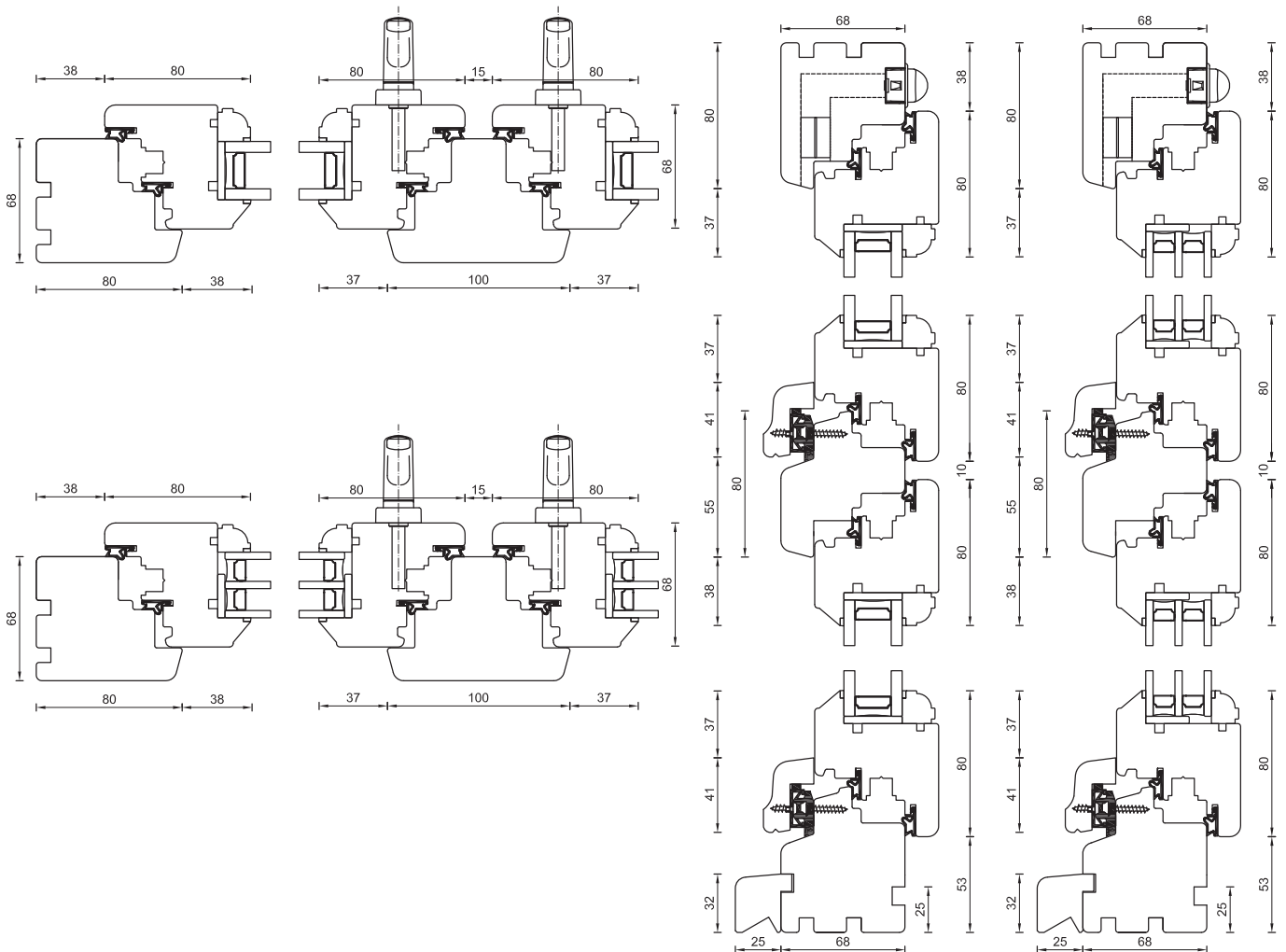
Top Rail	68mm x 80mm
Stile	68mm x 80mm
Bottom Rail	68mm x 80mm
Bottom rail over transom	68mm x 80mm
Flying Mullion	68mm x 80mm

Mullion

68mm x 100mm

Transom

68mm x 80mm



Entrance Doors



Operation & Mechanism

1. Handle Operated

To lock the door the handle is lifted so the espag hooks engage with the keeper. The cylinder is then locked with a key which engages the third locking point.

2. Key Operated

The latch is operated with the key therefore it is always locked when closed. To fully lock the door, the key needs to be turned 720 degrees to fully engage the 3 locking points.

3. Handle & Key Operated

The latch is operated the handle. To fully lock the door, the key needs to be turned 720 degrees to fully engage the 3 locking points.

Minimum & maximum sizes and a guide to mobility.

	Flush Doors	Pair Flush Doors	Sidelights	Fanlights
Max Weight	100kg	100kg per leaf		
Min Width	531mm	973mm	400mm	430mm
Max Width	1181mm	2073mm	1500mm	2500mm
Min Height	1627mm	1962mm	1600mm	370mm
Max Height	2500mm	2500mm	2500mm	1000mm

Mobility

Min Width	957mm	1007mm
Min Clear Opening	775mm	775mm

Weatherstrips

Name	Location	Colours
Schlegel foam-filled Q-Lon 3073	fitted to parameter of door leaf.	White / Black / Brown
Schlegel foam-filled Q-Lon 3073	fitted to top and sides of frame.	White / Black / Brown
Deventer DX1362	fitted to flying mullion	White / Black / Brown

Thresholds

Open in flush

Option	Description	Aluminium Colour
Standard Thresh	Aluminium + Hardwood 140mm x 43mm	Silver / Matt Gold
Site-Coupling Thresh	Aluminium + Hardwood 92mm x 40mm	Silver / Matt Gold
Mobility Thresh	Aluminium	Silver / Matt Gold

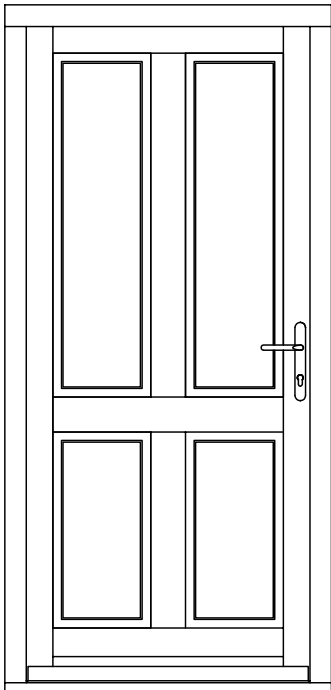
Open out flush

Option	Description	Aluminium Colour
Standard Thresh	Hardwood 140mm x 43mm	n /a
Site-Coupling Thresh	Hardwood 86mm x 40mm	n /a
Mobility Thresh	Aluminium	Silver / Matt Gold

* hardwood thresh will be stained walnut unless otherwise specified

Contemporary Entrance Door

Section Details



Frame

Head	92mm x 66mm
Jamb	92mm x 66mm

Leaf

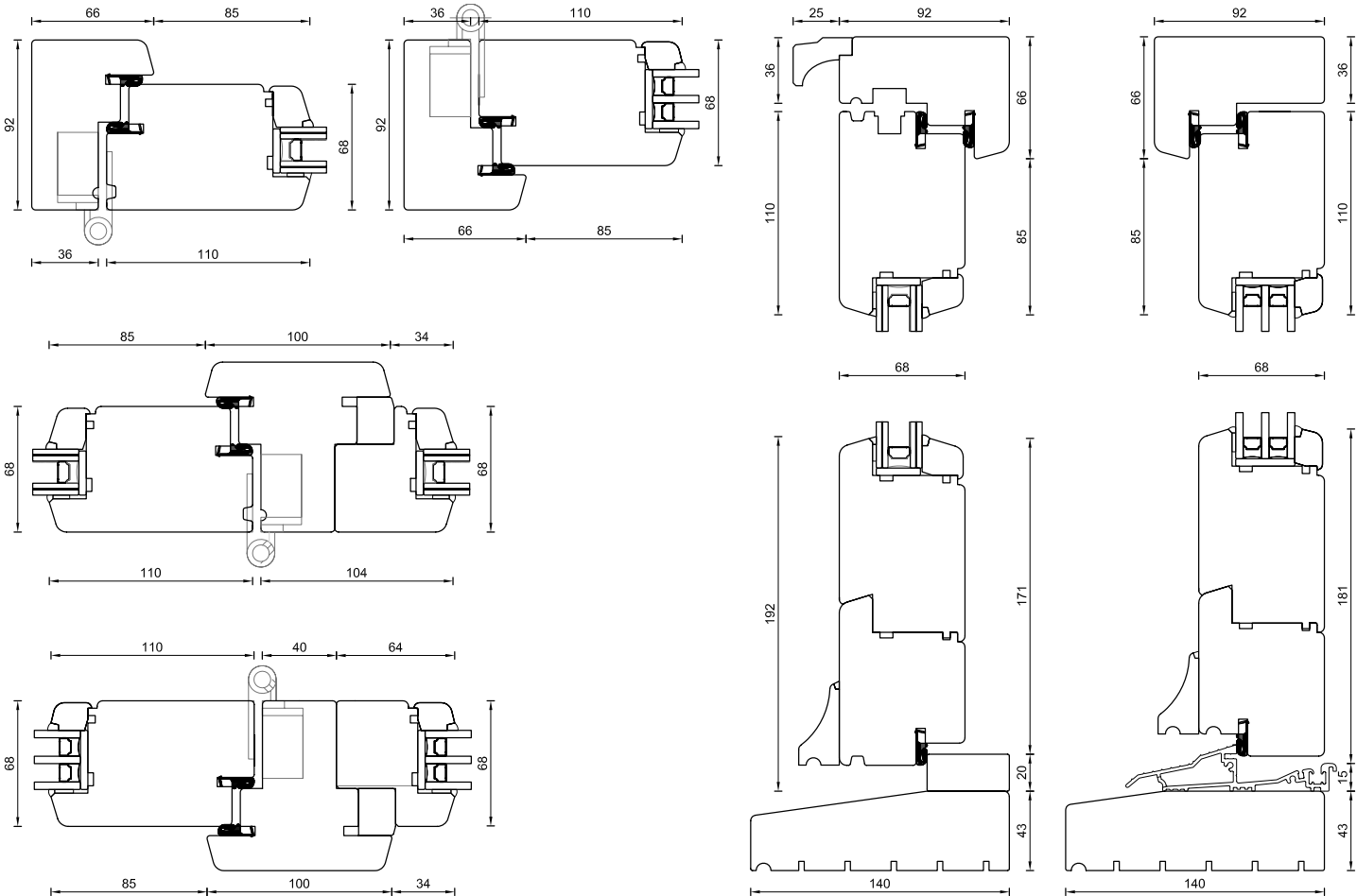
Top Rail	68mm x110mm
Stile	68mm x 110mm
Bottom Rail	68mm x 177mm
Mid Rail	68mm x 110mm
Vert Rail	68mm x 110mm

Mullion

92mm x 99mm

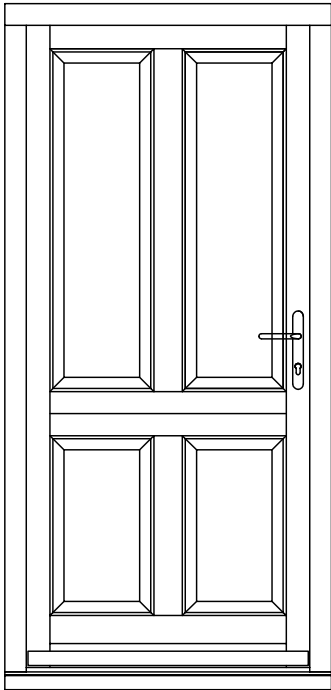
Transom

92mm x 85mm



Traditional Entrance Door

Section Details



Frame

Head	92mm x 66mm
Jamb	92mm x 66mm

Leaf

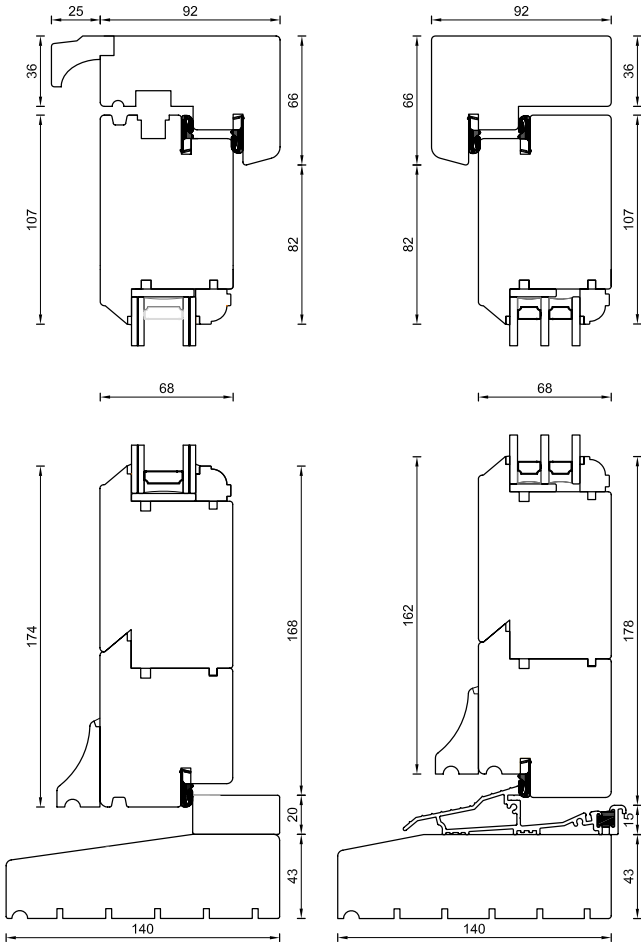
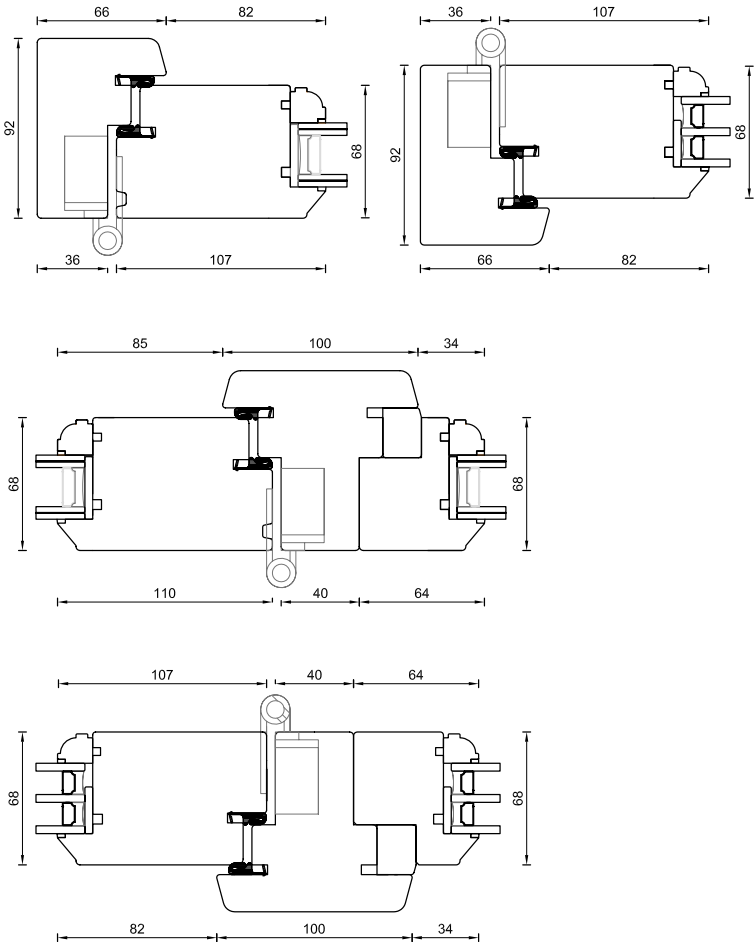
Top Rail	68mm x 107mm
Stile	68mm x 107mm
Bottom Rail	68mm x 174mm
Mid Rail	68mm x 154mm (107mm)
Vert Rail	68mm x 107mm

Mullion

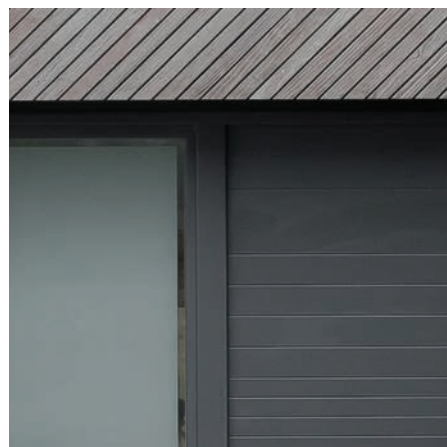
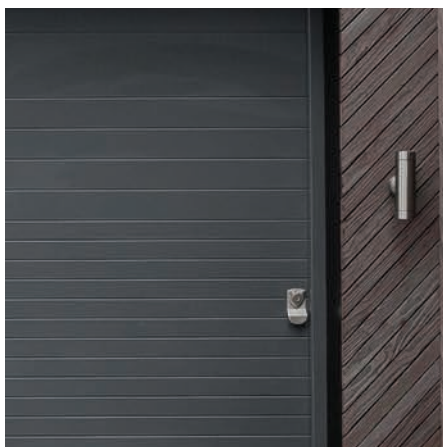
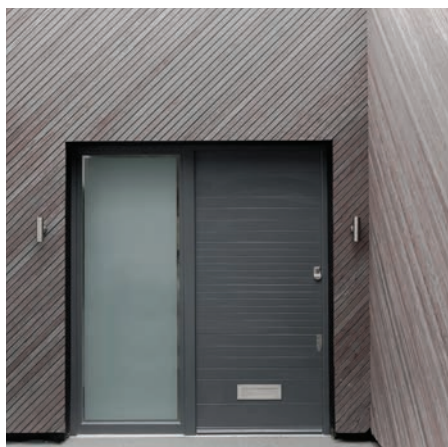
92mm x 99mm

Transom

92mm x 85mm



Creative Entrance Doors



Operation & Mechanism

1. Handle Operated

To lock the door the handle is lifted so the espag hooks engage with the keeper. The cylinder is then locked with a key which engages the third locking point.

2. Key Operated

The latch is operated with the key therefore it is always locked when closed. To fully lock the door, the key needs to be turned 720 degrees to fully engage the 3 locking points.

3. Handle & Key Operated

The latch is operated the handle. To fully lock the door, the key needs to be turned 720 degrees to fully engage the 3 locking points.

Minimum & Maximum Sizes and a guide to mobility.

	Flush Doors	Pair Flush Doors	Sidelights	Fanlights
Max Weight	100kg	100kg per leaf		
Min Width	531mm	973mm	400mm	430mm
Max Width	1181mm	2073mm	1500mm	2500mm
Min Height	1627mm	1962mm	1600mm	370mm
Max Height	2567mm	2567mm	2500mm	1000mm

Mobility

Min Width	957mm	1007mm
Min Clear Opening	775mm	775mm

Weatherstrips

Name	Location	Colours
Schlegel foam-filled Q-Lon 3073	fitted to parameter of door leaf.	White / Black / Brown
Schlegel foam-filled Q-Lon 3073	fitted to top and sides of frame.	White / Black / Brown
Deventer DX1362	fitted to flying mullion	White / Black / Brown

Thresholds

Open in flush

Option	Description	Aluminium Colour
Standard Thresh	Aluminium + Hardwood 140mm x 43mm	Silver / Matt Gold
Site-Coupling Thresh	Aluminium + Hardwood 92mm x 40mm	Silver / Matt Gold
Mobility Thresh	Aluminium	Silver / Matt Gold

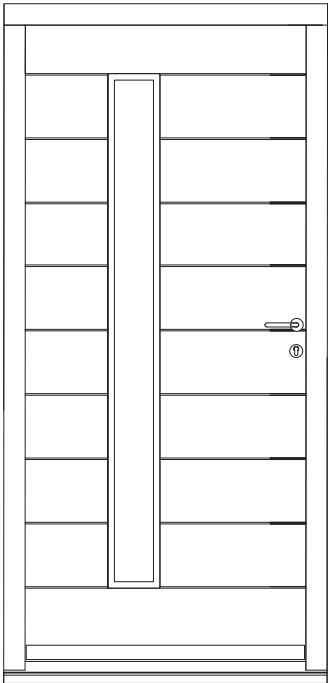
Open out flush

Option	Description	Aluminium Colour
Standard Thresh	Hardwood 140mm x 43mm	n /a
Site-Coupling Thresh	Hardwood 86mm x 40mm	n /a
Mobility Thresh	Aluminium	Silver / Matt Gold

* hardwood thresh will be stained walnut unless otherwise specified

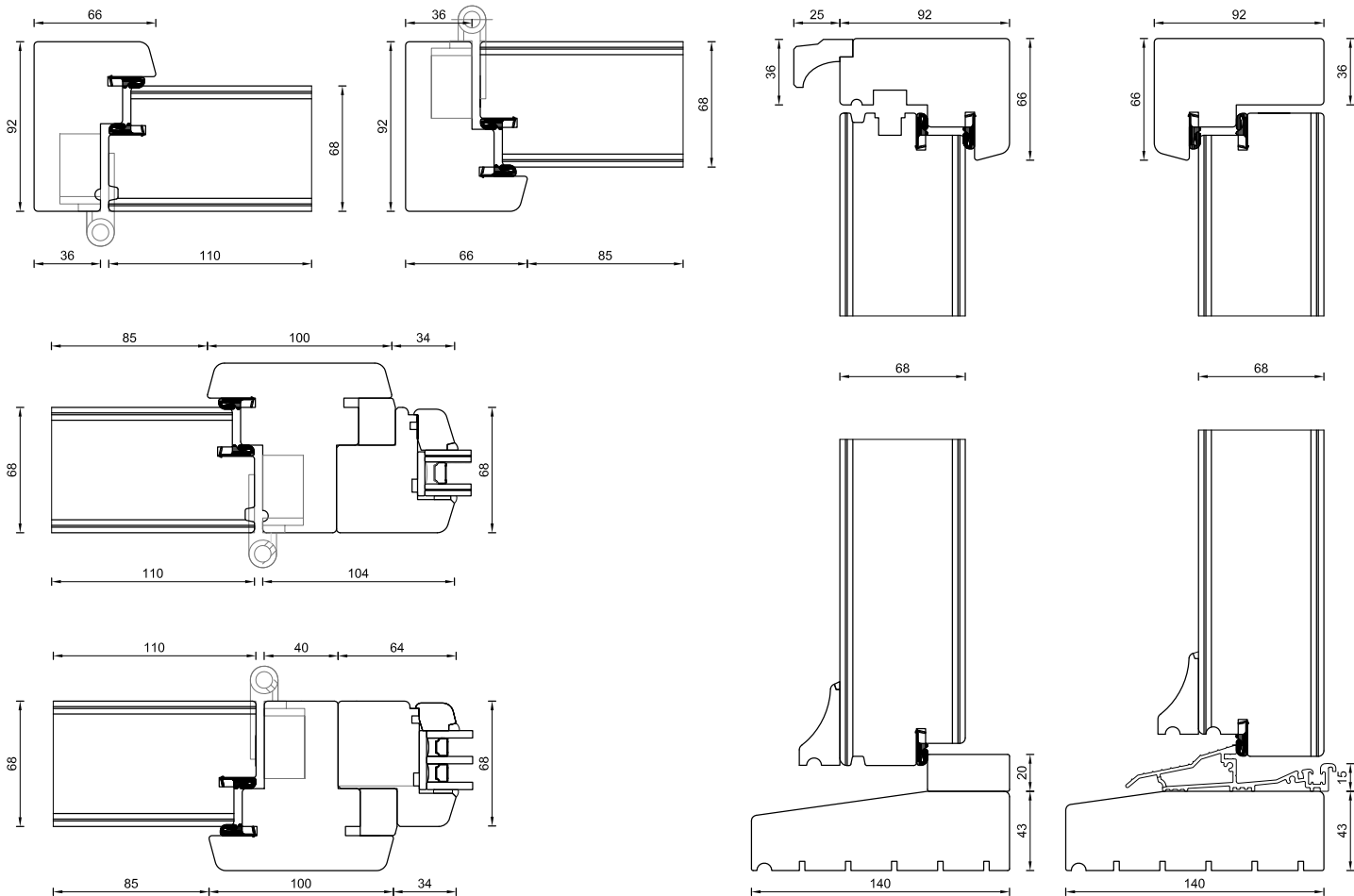
Creative Entrance Doors

Section Details



Frame	
Head	92mm x 66mm
Jamb	92mm x 66mm
Mullion	
Transom	92mm x 85mm

Creative Entrance Doors have a 68mm Composite Leaf



French Doors



Operation & Mechanism

To lock the door the handle is lifted so the espag hooks engage with the keeper. The cylinder is then locked with a key which engages the third locking point.

Minimum & Maximum Sizes

Lipped French Doors	Pair Doors Single Handle	Pair Doors Double Handle	Sidelights	Fanlights
Max Weight	100kg per leaf	100kg per leaf		
Min Width	1027mm	1067mm	350mm	565mm
Max Width	2179mm	2179mm	1500mm	2130mm
Min Height	1875mm	1965mm	1600mm	300mm
Max Height	2500mm	2500mm	2500mm	1000mm

Flush French Doors	Pair Doors Double Handle	Sidelights	Fanlights
Max Weight	100kg per leaf		
Min Width	973mm	400mm	430mm
Max Width	2073mm	150mm	250mm
Min Height	1962mm	1600mm	370mm
Max Height	2500mm	2500mm	1000mm

Mobility	Min Width	Min Clear Opening
Pair Doors Single Handle Lipped	1027mm	775mm
Pair Doors Double Handle Lipped	1061mm	775mm
Pair Doors Single Handle Flush	1007mm	775mm

Weatherstrips

Lipped French Doors

Name	Location	Colours
Deventer Rubber Seal S7503	2 weatherstrips fitted to full parameter of door.	White / Black / Brown
Deventer DX1362	fitted to flying mullion	White / Black / Brown

Flush French Doors

Name	Location	Colours
Schlegel foam-filled Q-Lon 3073	fitted to parameter of door leaf.	White / Black / Brown
Deventer DX1362	fitted to flying mullion	White / Black / Brown

Vents

Lipped french doors

Name	Location	Colours	EA Rating	Acoustic Rating D n,e,w (+/-)
Trimvent Select R13	Top rail leaf / top rail sidelight	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
Trimvent Select C13 (412)		Brown / White		

Name	Location	Colours	EA Rating	Acoustic Rating D n,e,w (+/-)
Trimvent Select R13	Frame Head Open Out	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
TV SW 380 Flat Grill		Brown / White / Silver		
Trimvent Select S13	Top rail leaf / top rail sidelight & cheeks	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
Trimvent Select C13 (267)		Brown / White		
Trimvent Select S13	Frame Head	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
TV SW 288 Flat Grill		Brown / White / Silver		
Trimvent 90 Hi Lift (425)	Top rail leaf / top rail sidelight & cheeks	Silver	4300 EA	Open 31 (0;0), Closed 42 (-1;-2)
HF 441 Canopy		Silver		
Trimvent 90 Hi Lift (425)	Frame Head Open Out	Silver	4300 EA	Open 31 (0;1), Closed 42 (-1;-2)
TV SW 380 Flat Grill		Brown / White / Silver		
Trimvent 90 Hi Lift (300)	Top rail leaf / top rail sidelight & cheeks	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
HF 303 Canopy		Silver		
Trimvent 90 Hi Lift (300)	Frame Head	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
TV SW 288 Flat Grill		Silver		

Flush French Doors

Name	Location	Colours	EA Rating	Acoustic Rating D n,e,w (+/-)
Trimvent Select R13	Top rail leaf / top rail sidelight	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
Trimvent Select C13 (412)		Brown / White		
Trimvent Select S13	Top rail leaf / top rail sidelight	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
Trimvent Select C13 (267)		Brown / White		
Trimvent 90 Hi Lift (425)	Top rail leaf / top rail sidelight	Silver	4300 EA	Open 31 (0;0), Closed 42 (-1;-2)
HF 441 Canopy		Silver		
Trimvent 90 Hi Lift (300)	Top rail leaf / top rail sidelight	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
HF 303 Canopy		Silver		

Thresholds

Open in Lipped

Option	Description	Aluminium Colour
Standard Thresh	Aluminium + Hardwood 140mm x 43mm	Silver / Matt Gold
Site-Coupling Thresh	Aluminium + Hardwood 86mm x 40mm	Silver / Matt Gold
Mobility Thresh	Aluminium	Silver / Matt Gold

Open out Lipped

Option	Description	Aluminium Colour
Standard Thresh	Hardwood 140mm x 43mm	n /a
Site-Coupling Thresh	Hardwood 68mm x 40mm	n /a
Mobility Thresh	Aluminium	Silver / Matt Gold

Open in flush

Option	Description	Aluminium Colour
Standard Thresh	Aluminium + Hardwood 140mm x 43mm	Silver / Matt Gold
Site-Coupling Thresh	Aluminium + Hardwood 92mm x 40mm	Silver / Matt Gold
Mobility Thresh	Aluminium	Silver / Matt Gold

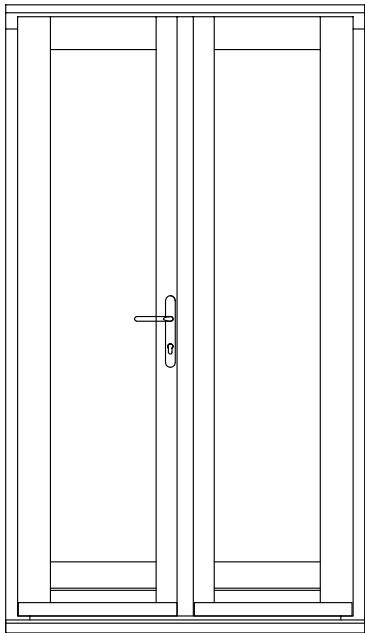
Open out flush

Option	Description	Aluminium Colour
Standard Thresh	Hardwood 140mm x 43mm	n /a
Site-Coupling Thresh	Hardwood 86mm x 40mm	n /a
Mobility Thresh	Aluminium	Silver / Matt Gold

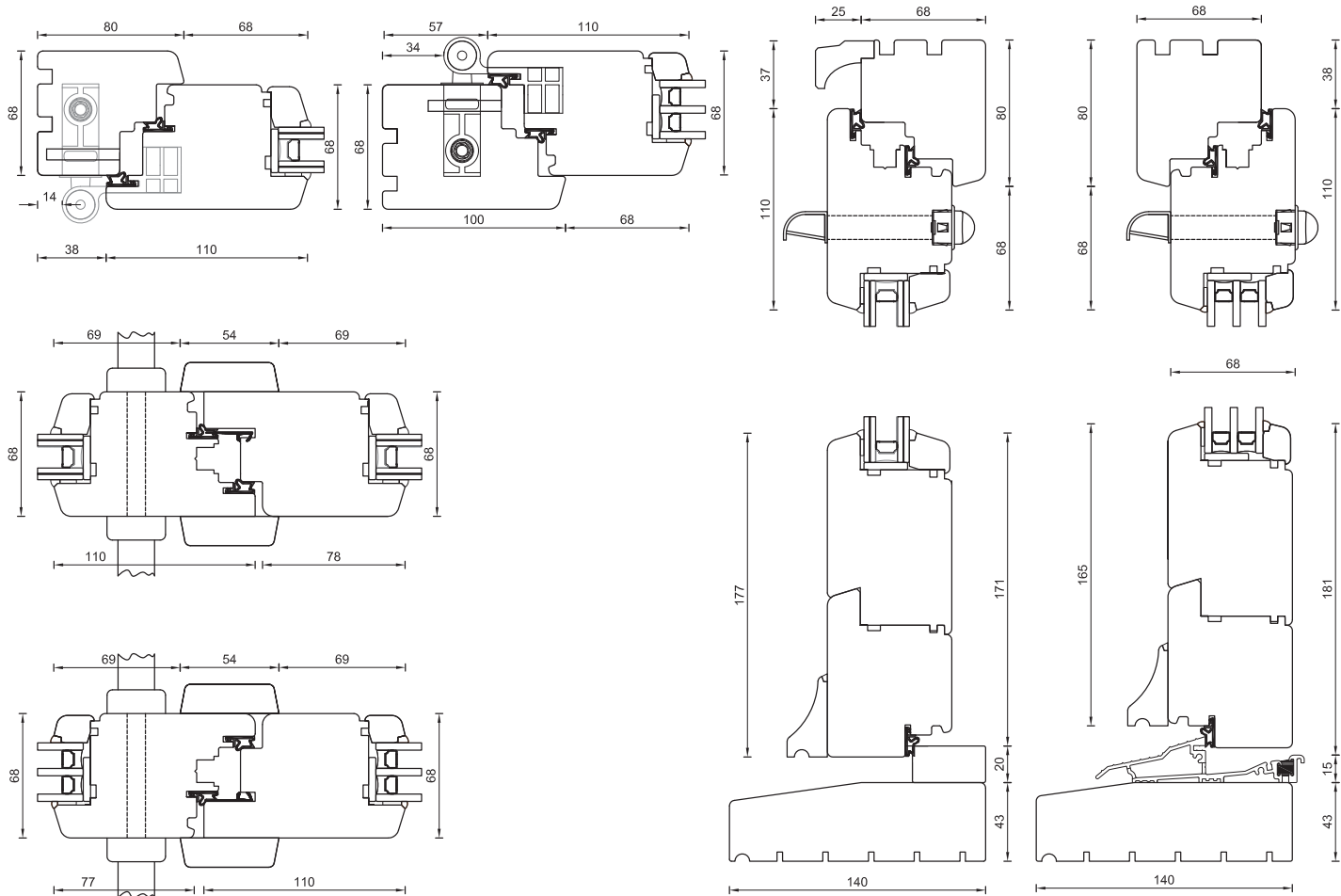
* hardwood thresh will be stained walnut unless otherwise specified

Contemporary Lipped French Door

Sections

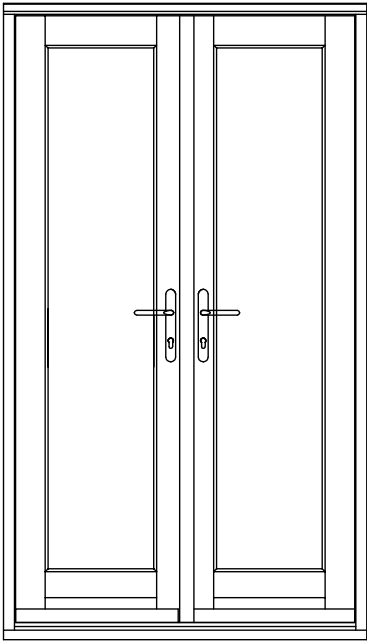


Frame	
Head	68mm x 80mm
Jamb Open Out	68mm x 80mm
Jamb Open In	68mm x 100mm
Leaf	
Top Rail	68mm x 110mm
Stile	68mm x 110mm
Bottom Rail	68mm x 177mm
Mid Rail	68mm x 110mm
Vert Rail	68mm x 110mm
Mullion	
68mm x 100mm	
Transom	
68mm x 100mm	



Traditional Lipped French Door

Sections



Frame

Head	68mm x 80mm
Jamb Open Out	68mm x 80mm
Jamb Open In	68mm x 100mm

Leaf

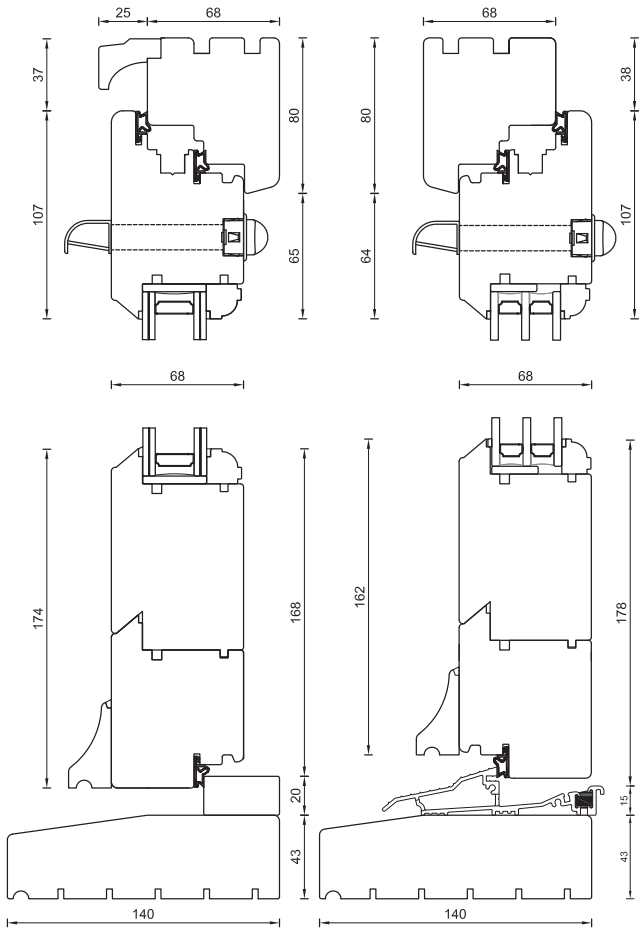
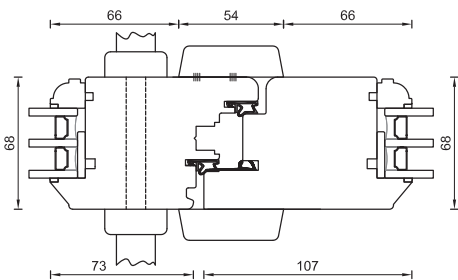
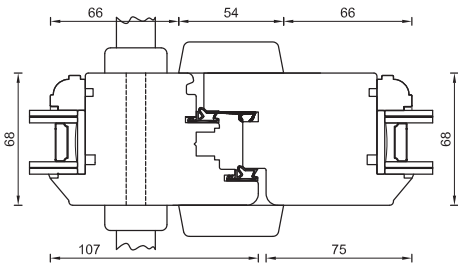
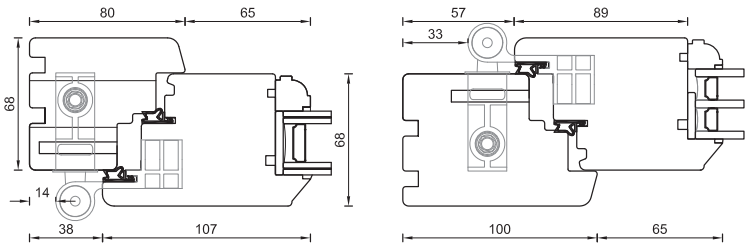
Top Rail	68mm x 107mm
Stile	68mm x 107mm
Bottom Rail	68mm x 174mm
Mid Rail	68mm x 107mm
Vert Rail	68mm x 107mm

Mullion

68mm x 100mm

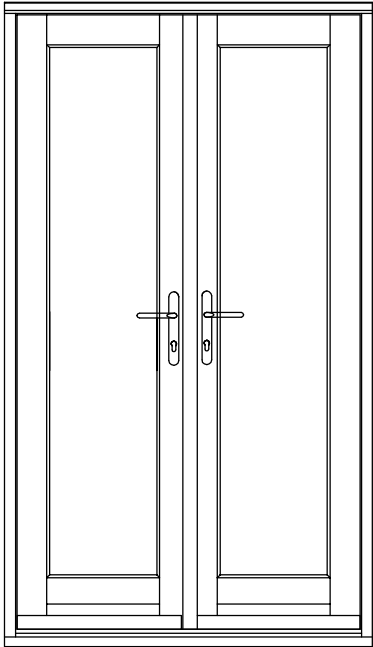
Transom

68mm x 100mm



Traditional Flush French Door

Sections



Frame

Head	92mm x 66mm
Jamb	92mm x 66mm

Leaf

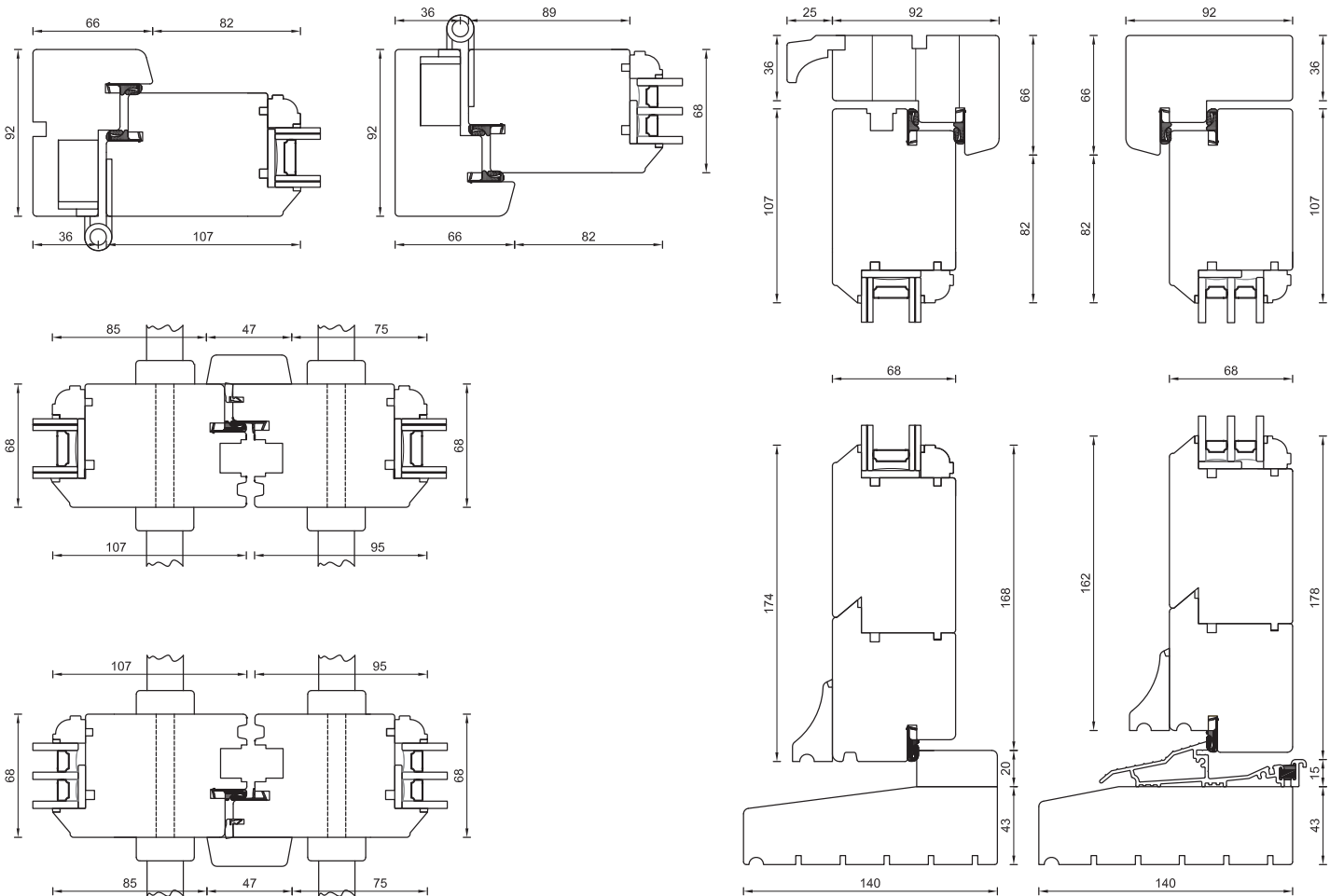
Top Rail	68mm x 107mm
Stile	68mm x 107mm
Bottom Rail	68mm x 174mm
Mid Rail	68mm x 107mm
Vert Rail	68mm x 107mm

Mullion

92mm x 99mm

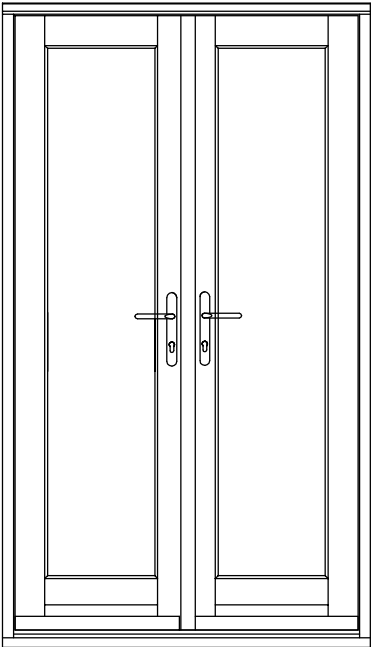
Transom

92mm x 85mm



Heritage Flush French Door

Sections



Frame

Head	92mm x 66mm
Jamb Open In	92mm x 66mm

Leaf

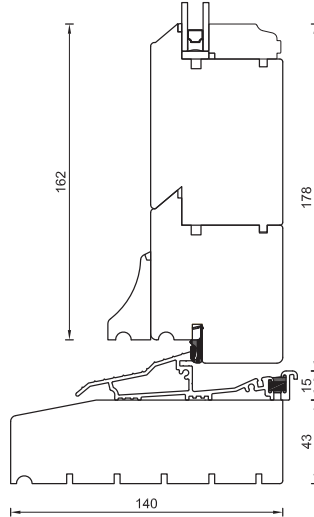
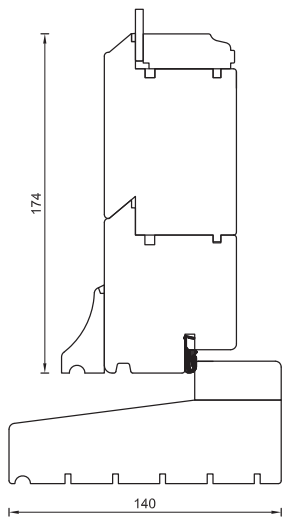
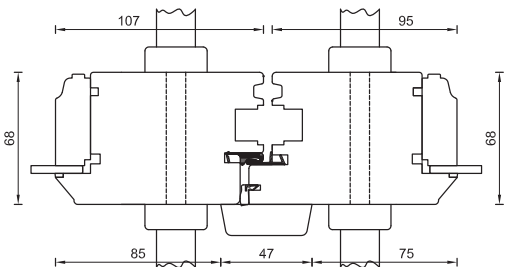
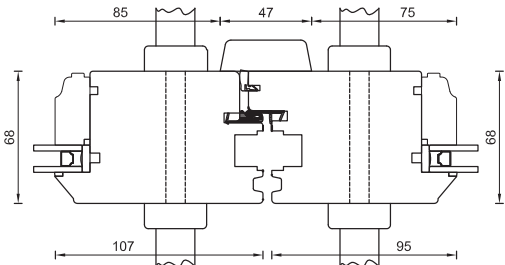
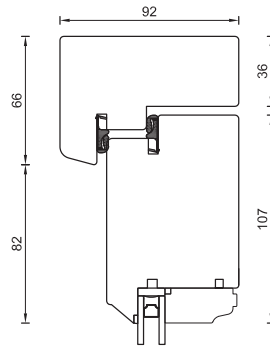
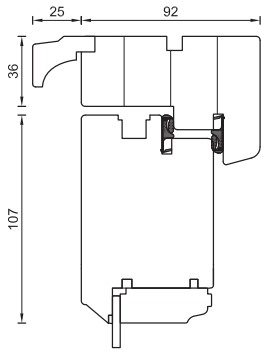
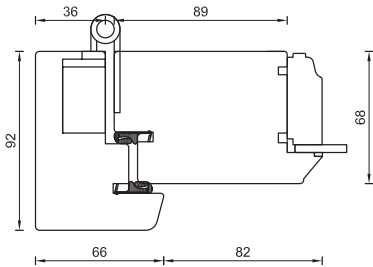
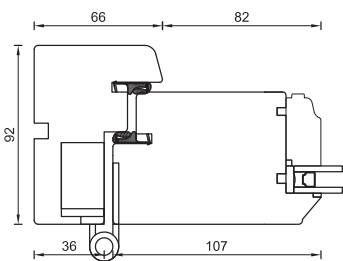
Top Rail	68mm x 107mm
Stile	68mm x 107mm
Bottom Rail	68mm x 174mm
Mid Rail	68mm x 107mm
Vert Rail	68mm x 107mm

Mullion

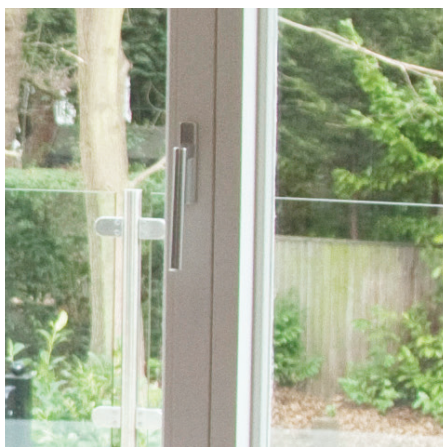
92mm x 99mm

Transom

92mm x 85mm



Sliding Patio Doors



Operation & Mechanism

To lock the door the handle is lifted so the espag hooks engage with the keeper. The cylinder is then locked with a key which engages the third locking point.

Minimum & maximum sizes

	2 Leaf	3 Leaf	4 Leaf
Max Weight	300kg per leaf		
Min Width	1470mm	2175mm	2812mm
Max Width	6070mm	10020mm	10020mm
Min Height	1325mm	1325mm	1325mm
Max Height	2825mm	2825mm	2825mm

Weatherstrips

Name	Location	Colours
HS Patio Door System	Frame & Door Leaf	Grey to all light painted finishes. Black to all stain finishes & dark painted finishes.

Thresholds

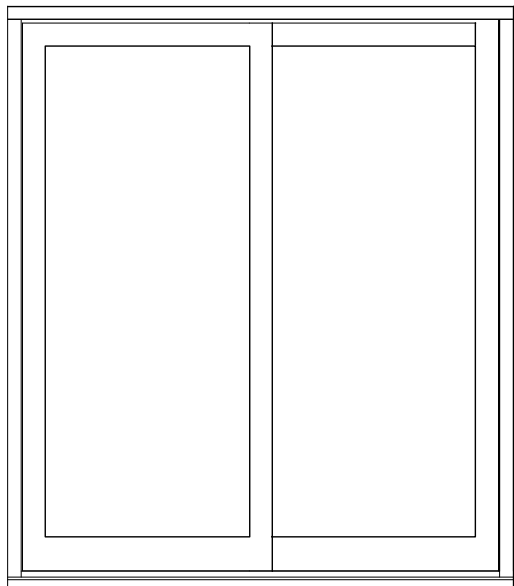
Option	Description
Standard Thresh	Hardwood 186 x 67mm
Site-Coupling Thresh	Hardwood 186mm x 67mm + cill extension

Vents

Name	Location	Colours	EA Rating	Acoustic Rating D n,e,w (+/-)
Trimvent Select R13	Frame Head	Brown / White	3400 EA	Open 31 (-1;-1), Closed 43 (-1;-2)
Trimvent Select C13 (412)		Brown / White		
Trimvent Select S13	Frame Head	Brown / White	1700 EA	Open 32 (0;1), Closed 41 (0;-1)
Trimvent Select C13 (267)		Brown / White		
Trimvent 90 Hi Lift (425)	Frame Head	Silver	4300 EA	Open 31 (0;0), Closed 42 (-1;-2)
HF 441 Canopy		Silver		
Trimvent 90 Hi Lift (300)	Frame Head	Silver	2500 EA	Open 31 (0;1), Closed 42 (-1;-2)
HF 303 Canopy		Silver		

Contemporary Sliding Patio Door

Sections



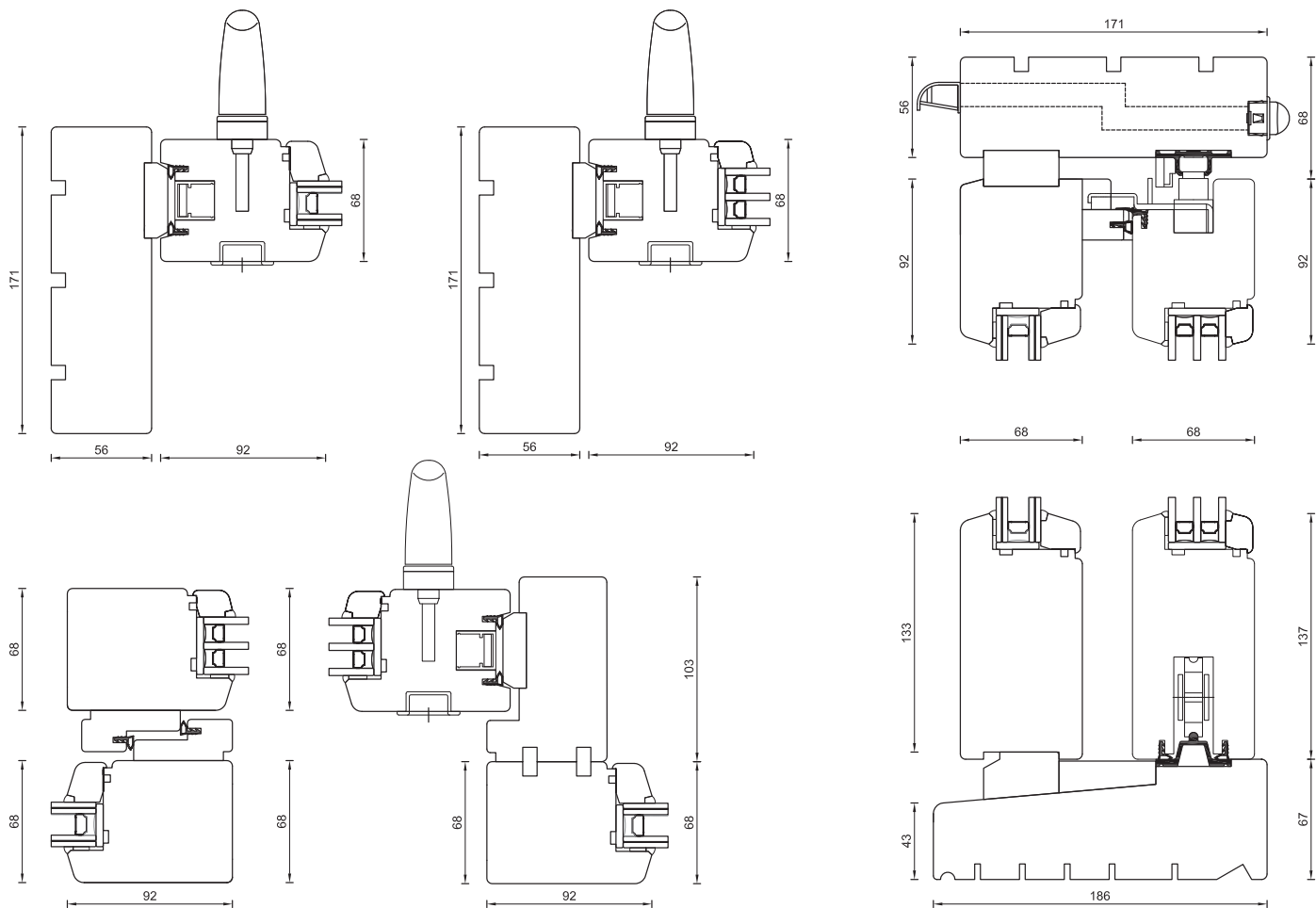
Frame

Head	171mm x 56mm
Jamb	171mm x 56mm
Cill	186mm x 67mm

Leaf

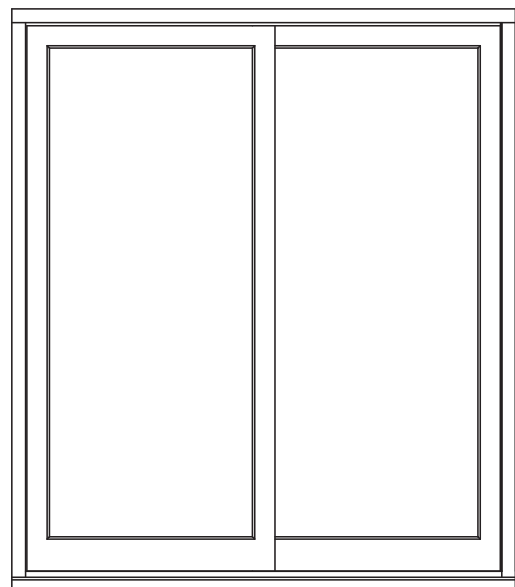
Top Rail	68mm x 92mm
Stile	68mm x 92mm
Bottom Rail	68mm x 92mm
Mid Rail	68mm x 92mm

Mullion	171mm x 92mm
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Traditional Sliding Patio Door

Sections



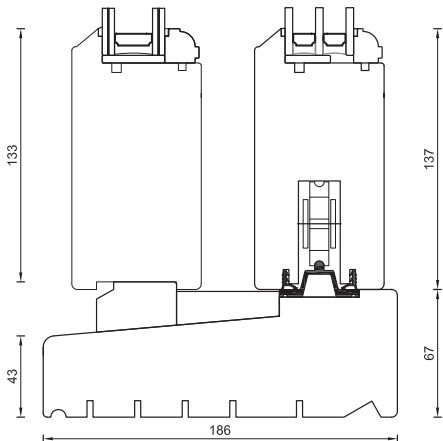
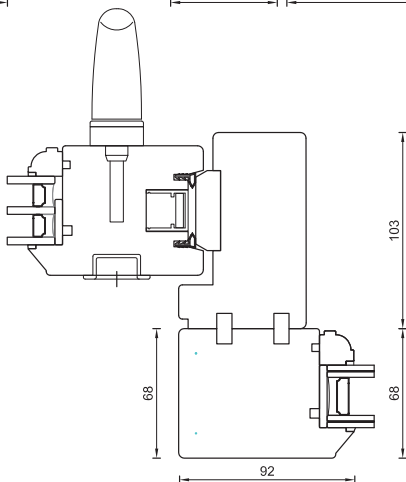
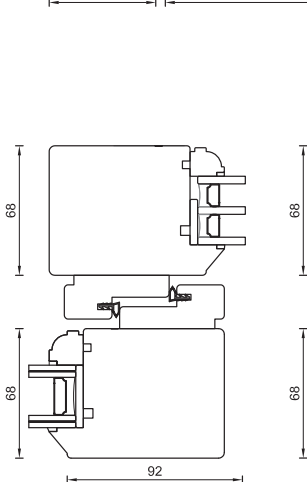
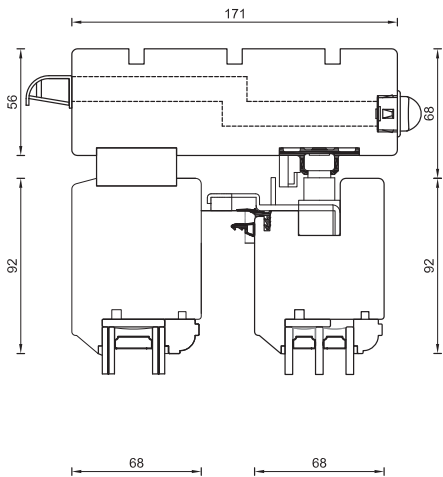
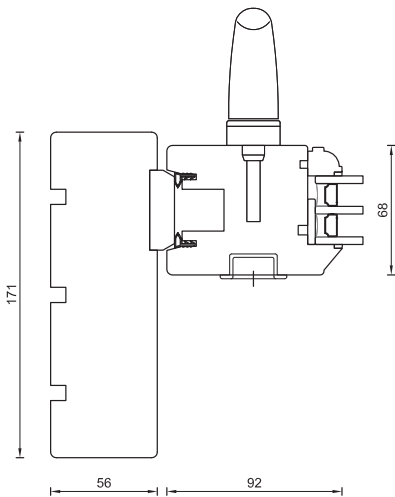
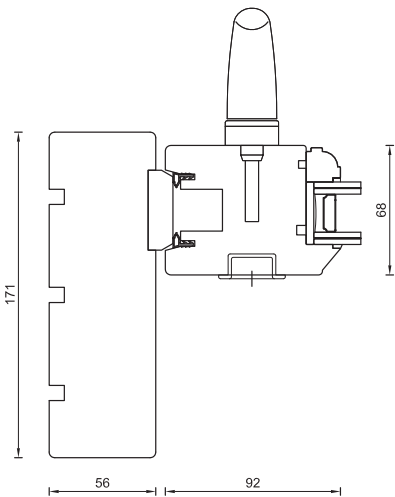
Frame

Head	171mm x 56mm
Jamb	171mm x 56mm
Cill	186mm x 67mm

Leaf

Top Rail	68mm x 92mm
Stile	68mm x 92mm
Bottom Rail	68mm x 92mm
Mid Rail	68mm x 92mm

Mullion	171mm x 92mm
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Folding Sliding Doors



Operation & Mechanism

To lock the door the handle is lifted so the espag hooks engage with the keeper.
The cylinder is then locked with a key which engages the third locking point.

Minimum & maximum sizes

	2 Leaf	3 Leaf	4 Leaf	5 Leaf
Max Weight	100kg per leaf	100kg per leaf	100kg per leaf	100kg per leaf
Min Width	958mm	1392mm	1826mm	2260mm
Max Width	2098mm	3102mm	4106mm	5110mm
Min Height	1750mm	1750mm	1750mm	1750mm
Max Height	2500mm	2500mm	2500mm	2500mm

	6 Leaf	7 Leaf	8 Leaf
Max Weight	100kg per leaf	100kg per leaf	100kg per leaf
Min Width	2694mm	3128mm	3562mm
Max Width	6114mm	7118mm	8122mm
Min Height	1750mm	1750mm	1750mm
Max Height	2500mm	2500mm	2500mm

Weatherstrips

Name	Location	Colours
Schlegel foam-filled Q-Lon 3056	Frame & Door Leaf	White / Black / Brown
Schlegel foam-filled Q-Lon 3005	fitted to parameter of frame.	White / Black / Brown
Schlegel foam-filled Q-Lon 3056	fitted leaf to leaf on flying mullion	White / Black / Brown
Brushpile PS13B	fitted to top track	Grey

Thresholds

Option	Description
Standard Thresh	Matt Aluminium 202 x 57mm
Timber Thresh	Hardwood 196 x 63mm
Site-Coupling Thresh	Hardwood 153 x 63mm + Cill Extension Options

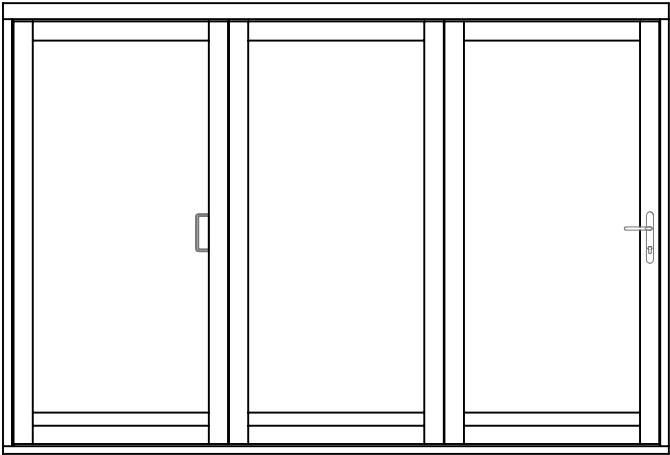
Vents & Locations

Name	Location	Colours	EA Rating	Acoustic Rating D _{n,e,w} (+/-)
Trimvent Select Xtra XR16	Top Rail Leaf	Brown / White	4600 EA	Open 31 (0;0), Closed 41 (-1;-2)
Trimvent Select Xtra XC16		Brown / White		

Model Numbers (Leafs from left to right)"	Vent Location
All 2 leaf models	1 & 2
330 / 303	1
321 / 313	1 & 3
All 4 leaf models	1 & 4
550 / 505	1
541 / 514 / 532 / 523	1 & 5
All 6 leaf models	1 & 6
770 / 707	1
761 / 716 / 752 / 725 / 743 / 734	1 & 7
All 8 leaf models	1 & 8

Contemporary Folding Sliding Door

Sections

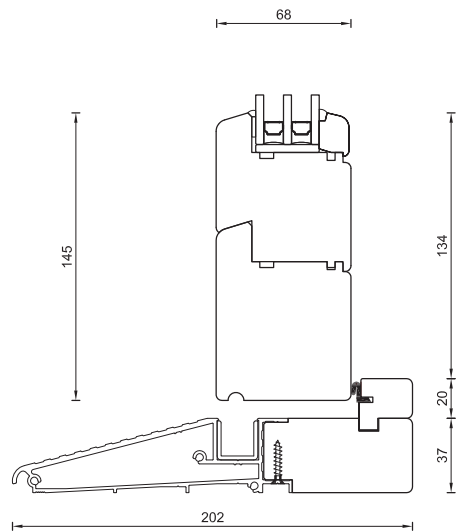
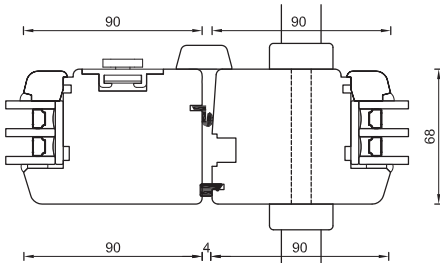
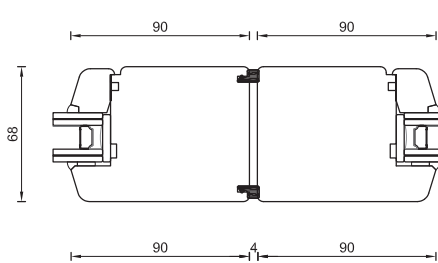
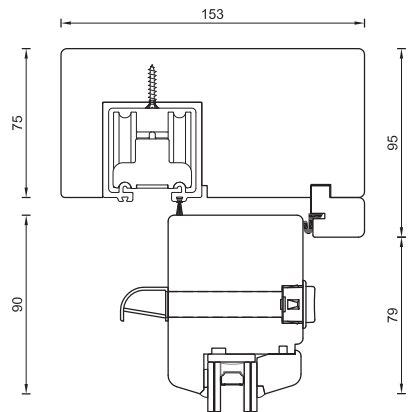
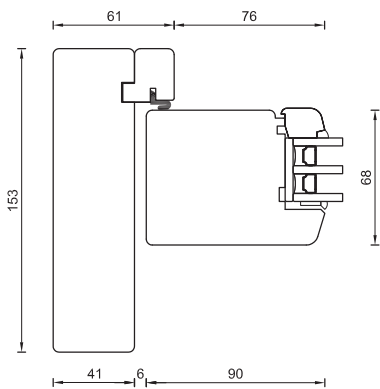
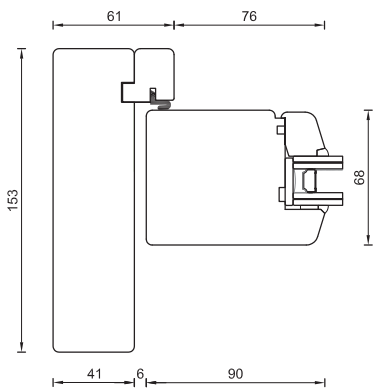


Frame

Head	153mm x 95mm
Jamb	153mm x 61mm

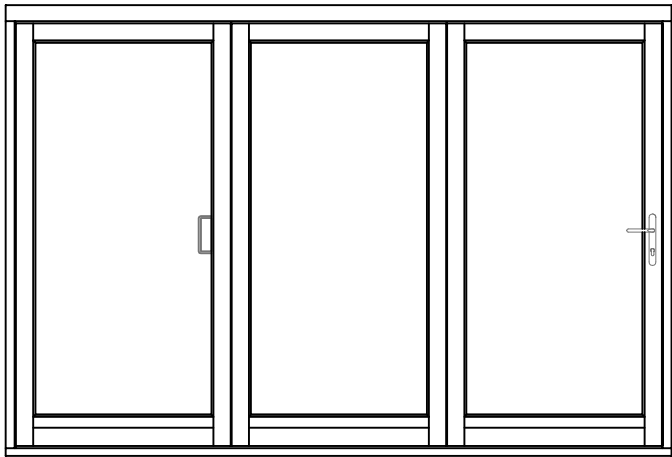
Leaf

Top Rail	68mm x 90mm
Stile	68mm x 90mm
Bottom Rail	68mm x 145mm
Meeting Stile	68mm x 184mm



Traditional Folding Sliding Door

Sections

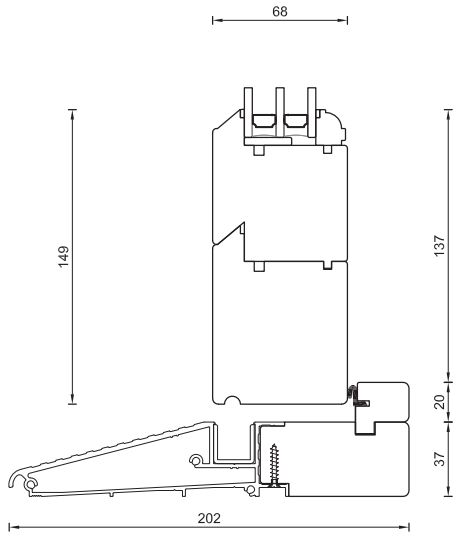
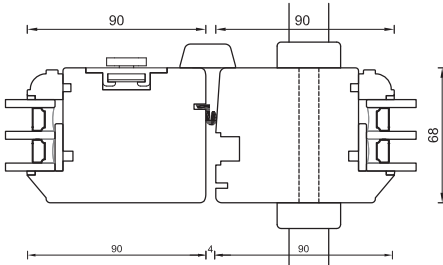
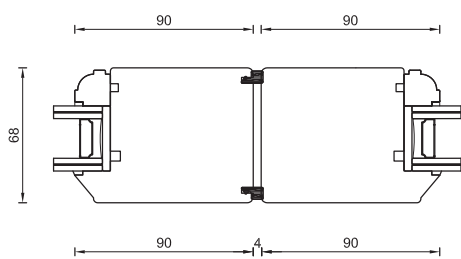
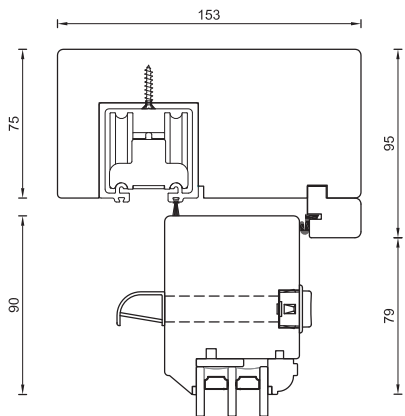
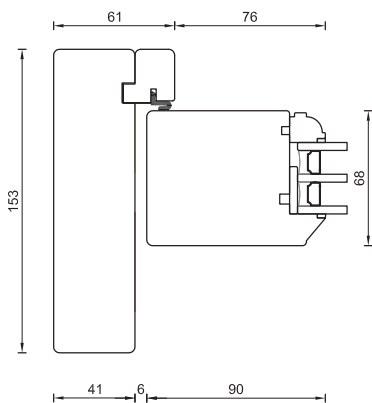
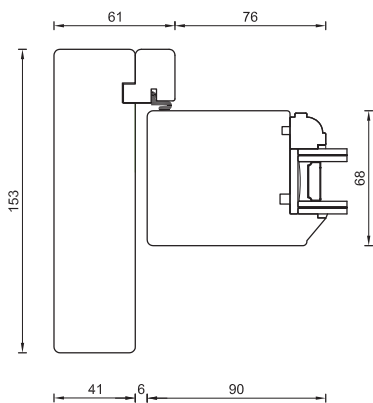


Frame

Head	153mm x 95mm
Jamb	153mm x 61mm

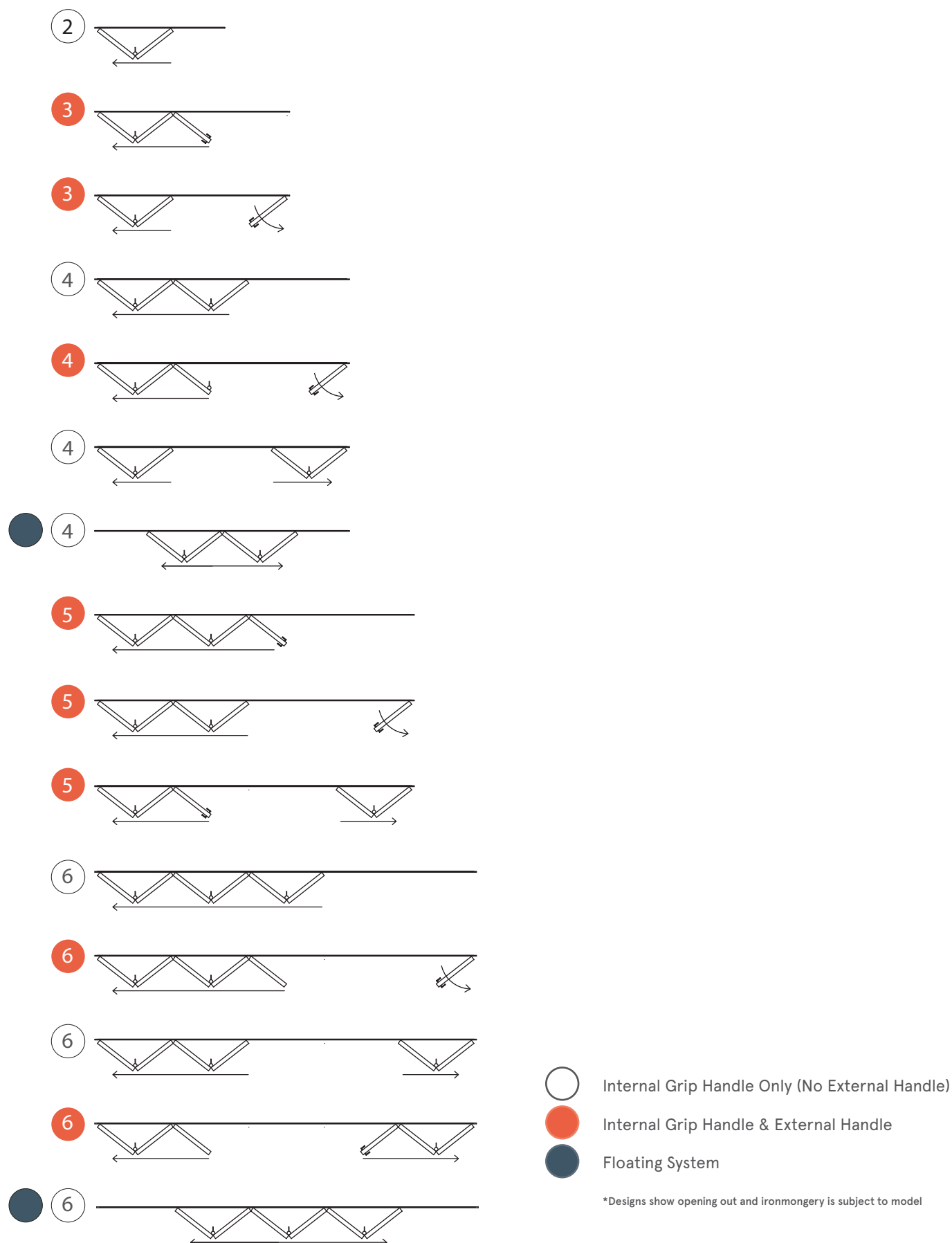
Leaf

Top Rail	68mm x 90mm
Stile	68mm x 90mm
Bottom Rail	68mm x 148mm
Meeting Stile	68mm x 184mm



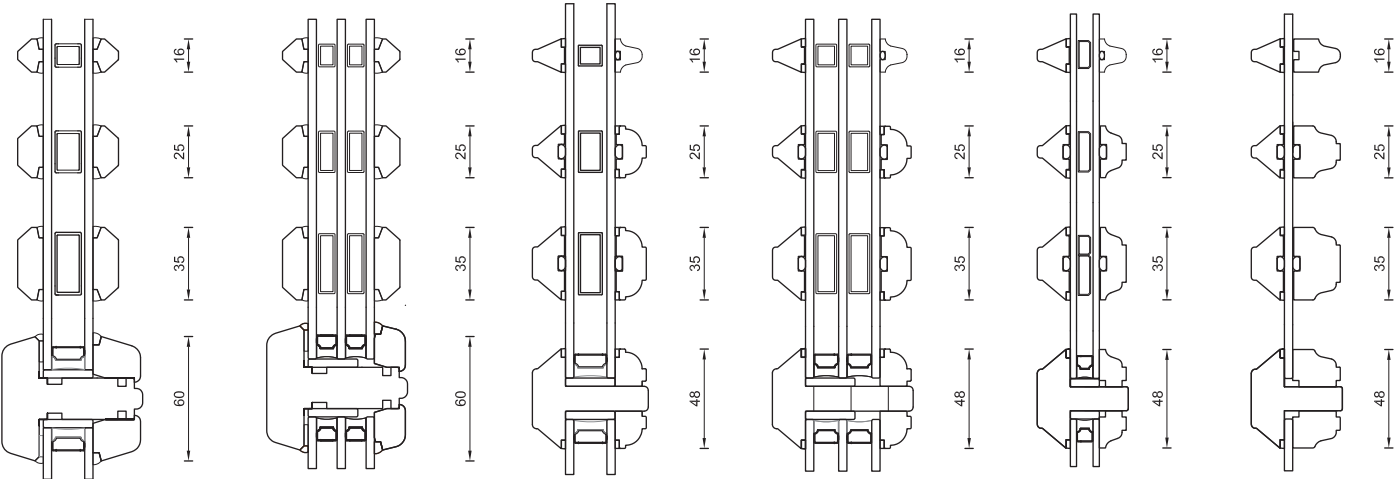
Folding Sliding Door

Configurations

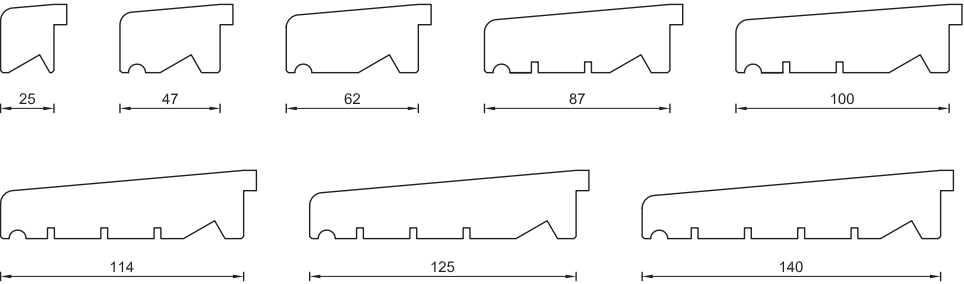


Bars

Thickness	Contemporary Bar	Traditional Bar	Heritage Bar
16mm	Pencil round stick on bar with back to back spacer	Lambs Tongue stick on bar with back to back spacer	Lambs Tongue stick on bar with back to back spacer
25mm	Pencil round Stick on bar with back to back spacer	Ovolo stick on bar with back to back spacer. or Lambs tongue stick on bar with back to back spacer.	Lambs Tongue stick on bar with back to back spacer
35mm	Pencil round Stick on bar with back to back spacer	Ovolo stick on bar with back to back spacer. or Lambs tongue stick on bar with back to back spacer.	Lambs Tongue stick on bar with back to back spacer
48mm	n/a	Ovolo Solid Bar	Lambs Tongue Solid Bar
60mm	Pencil round Solid Bar	n/a	n/a



Cills



Glazing Options

Standard Glass Options Glazing Units 24-25mm.

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Standard Float 4 / 16Ar / 4T	1.0	31	20	0.63	All	Yes	No	Yes	Yes	Yes
Security 6.5 / 14Ar / 4T	1.2	34	25	0.58	Frosted	No	No	Yes	No	Yes
Safety 4 / 14Ar / 6.5T	1.2	34	25	0.62	All	Yes	No	Yes	Yes	Yes
Safety & Security 6.5 / 12Ar / 6.5T	1.3	33	30	0.58	Frosted	No	No	Yes	No	Yes
Safety & Security (Tough out) 4ESG / 14Ar / 6.5T	1.2	34	25	0.63	All*	Yes	Yes	Yes	Yes	Yes
Tough In 4 / 16Ar / 4 ESG T	1.0	31	20	0.63	All	Yes	No	Yes	Yes	Yes
Tough Out 4 ESG / 16Ar / 4T	1.0	31	20	0.63	All *	Yes	Yes	Yes	Yes	Yes
Tough Both 4 ESG / 16Ar / 4 ESG T	1.0	31	20	0.58	All *	Yes	Yes	Yes	Yes	Yes
Std Float 6 / 12Ar / 6T	1.3	31	30	0.59	Frosted	Yes	No	Yes	Yes	Yes
Toughened In 6 / 12Ar / 6 ESG T	1.3	31	30	0.59	Frosted	Yes	No	Yes	Yes	Yes
Toughened Out 6 ESG / 12Ar / 6T	1.3	31	30	0.59	Frosted	Yes	Yes	Yes	Yes	Yes
Toughed Both 6 ESG / 12Ar / 6 ESG T	1.3	31	30	0.59	Frosted	Yes	Yes	Yes	Yes	Yes

Enhanced Security Glass Options Glazing Units 24-25mm.

Argon Filled and Softcoat Low-e 6.8mm (P2A) Laminated Glass as as required by SBD and Part Q.

Security 6.8 / 14Ar / 4T	1.2	33	25	0.58	Frosted	No	No	Yes	No	Yes
Safety 4 / 14Ar / 6.8T	1.2	34	25	0.62	All	Yes	No	Yes	Yes	Yes
Safety & Security 6.5 / 12Ar / 6.8T	1.3	33	30	0.58	Frosted	No	No	Yes	No	Yes
Safety & Security (Toughened Out) 4ESG / 14Ar / 6.8T	1.2	34	25	0.62	All	Yes	No	Yes	Yes	Yes

Standard Glass Options Glazing Units 32-33mm.

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Standard Float 6 / 20Ar / 6T	1.0	31	30	0.62	Frosted	Yes	No	Yes	Yes	Yes
Security 6.5 / 20Ar / 6T	1.0	31	30	0.59	Frosted	No	No	Yes	No	Yes
Safety 6 / 20Ar / 6.5T	1.0	31	30	0.61	Frosted	Yes	No	Yes	Yes	Yes
Safety & Security 6.5 / 20Ar / 6.5T	1.0	33	30	0.59	Frosted	Yes	No	Yes	Yes	Yes
Toughened In 6 / 20Ar / 6 ESGT	1.0	31	30	0.62	Frosted	Yes	No	Yes	Yes	Yes
Toughened Out 6 ESG / 20Ar / 6 T	1.0	31	30	0.62	Frosted	Yes	Yes	Yes	Yes	Yes
Toughened Both 6 ESG / 20Ar / 6 ESG T	1.0	31	30	0.62	Frosted	Yes	Yes	Yes	Yes	Yes
Safety & Security (Tough Out) 6ESG / 20Ar / 6.5T	1.0	33	30	0.61	Frosted	Yes	Yes	Yes	Yes	Yes
Std Float 4 / 20Ar / 8T	1.0	31	30	0.63	All	Yes	No	Yes	Yes	Yes
Safety 4 / 20Ar / 8.8T (44.1)	1.0	37	30	0.62	All	Yes	No	Yes	Yes	Yes
Safety & Security (Tough Out) 4ESG / 20Ar / 8.8T (44.1)	1.0	37	30	0.62	All *	Yes	Yes	Yes	Yes	Yes

Enhanced Security Glass Options Glazing Units 32-33mm.

Argon Filled and Softcoat Low-e 6.8mm (P2A) Laminated Glass as as required by SBD and Part Q

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Security 6.8 / 20Ar / 6T	1.0	33	30	0.58	Frosted	No	No	Yes	No	Yes
Safety 6 / 20Ar / 6.8T	1.0	34	30	0.62	Frosted	Yes	No	Yes	Yes	Yes
Safety & Security 6.5 / 20Ar / 6.8T	1.0	33	30	0.58	Frosted	No	No	Yes	No	Yes

BFRC Glass Options Glazing Units 24-25mm.

Diamant Low Iron External Pane With Planiterm Ultra N Internal, Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Standard Float 4 / 16Ar / 4T	1.0	31	20	0.65	No	No	No	Yes	No	No
Tough In 4 / 16Ar / 4 ESG T	1.0	31	20	0.65	No	No	No	Yes	No	No
Tough Out 4 ESG / 16Ar / 4T	1.0	31	20	0.65	No	No	No	Yes	No	No
Tough Both 4 ESG / 16Ar / 4 ESG T	1.0	31	20	0.65	No	No	No	Yes	No	No

BFRC Glass Options Glazing Units 32mm.

Diamant Low Iron External Pane With Planiterm Ultra N Internal, Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Standard Float 6 / 20Ar / 6T	1.0	31	32	0.65	No	No	No	Yes	No	No
Tough In 6 / 20Ar / 6 ESG T	1.0	31	32	0.65	No	No	No	Yes	No	No
Tough Out 6 ESG / 20Ar / 6T	1.0	31	32	0.65	No	No	No	Yes	No	No
Tough Both 6ESG / 20Ar / 6 ESG T	1.0	31	32	0.65	No	No	No	Yes	No	No

Acoustic Glass Options Glazing Units 25mm

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Acoustic Security 8.8 (Aku) / 12Ar / 4T	1.3	39	32	0.56	Frosted	Yes	Yes	Yes	No	Yes
Acoustic Safety & Security (Tough internal pane) 8.8 (Aku) / 12Ar / 4 ESG T	1.3	39	32	0.56	Frosted	Yes	Yes	Yes	No	Yes

Acoustic Glass Options Glazing Units 27mm (Creative door only).

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Acoustic Safety & Security (Tough internal pane) 8.8 (Aku) / 14Ar / 4 ESG T	1.2	39	32	0.56	Frosted	Yes	Yes	Yes	No	Yes

Acoustic Glass Options Glazing Units 35mm.

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Acoustic Security 8.8 /20Ar / 6T	1.0	39	37	0.56	Frosted	Yes	Yes	Yes	No	Yes
Acoustic Safety & Security (Tough internal pane) 8.8 /20Ar / 6 ESGT	1.0	39	37	0.56	Frosted	Yes	Yes	Yes	No	Yes

Acoustic Glass Options Glazing Units 31mm.

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Acoustic Security 8.8 (Aku) /16Ar / 6T	1.0	42	37	0.56	Frosted	Yes	Yes	Yes	No	Yes
Acoustic Safety & Security (Tough internal pane) 8.8 (Aku) /16Ar / 6 ESG T	1.0	42	37	0.56	Frosted	Yes	Yes	Yes	No	Yes

Acoustic Glass Options Glazing Units 36mm

Argon Filled and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Acoustic Security 8.8 (Aku) / 20Ar / 6T	1.0	42	37	0.56	Frosted	Yes	Yes	Yes	No	Yes
Acoustic Safety & Security (Tough internal pane) 8.8 (Aku) / 20Ar / 6 ESG T	1.0	42	37	0.56	Frosted	Yes	Yes	Yes	No	Yes
Acoustic Safety & Security 8.8 (Aku) / 16Ar / 9.5 (Aku) CG A 1.0	1.0	46	46	0.56	Frosted	Yes	Yes	Yes	No	Yes

Triple Glazed Glass Options Glazing Units 32mm

Argon (Ar) / Krypton (Kr) Filled and Softcoat Low-e

**** Obscure, Anti Sun, Leaded and Painted: Centre pane always toughened**

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Std Float 4T / 10Ar / 4 / 10Ar / 4T	0.8	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Std Float 4T / 10Kr / 4 / 10Kr / 4T	0.6	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened In 4T / 10Ar / 4 / 10Ar / 4 ESG T	0.8	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened In 4T / 10Kr / 4 / 10Kr / 4 ESG T	0.6	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Out 4ESG T / 10Ar / 4 / 10Ar / 4T	0.8	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Out 4ESG T / 10Kr / 4 / 10Kr / 4T	0.6	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Both 4ESG T / 10Ar / 4 / 10Ar / 4 ESGT	0.8	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Both 4ESG T / 10Kr / 4 / 10Kr / 4 ESGT	0.6	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened All 4ESG T / 10Ar / 4ESG / 10Ar / 4 ESGT	0.8	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened All 4ESG T / 10Kr / 4ESG / 10Kr / 4 ESGT	0.6	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes

Triple Glazed Enhanced Security Glass Options Glazing Units 32mm

Argon (Ar) / Krypton (Kr) Filled and Softcoat Low-e 6.8mm (P2A) Laminated Glass as as required by SBD & Part Q.

**** Obscure, Anti Sun, Leaded and Painted: Centre pane always toughened 6.8mm (P2A) Laminated Glass as as required by SBD and Part Q**

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Safety (Part Q, SBD) 4T / 8Ar / 4 / 8Ar / 6.8 T	1.0	31	37	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Safety (Part Q, SBD) 4T / 8Kr / 4 / 8Kr / 6.8 T	0.6	31	37	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Security (Part Q, SBD) 6.8 T / 8Ar / 4 / 8Ar / 4T	1.0	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Security (Part Q, SBD) 6.8 T / 8Kr / 4 / 8Kr / 4T	0.6	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened In) (Part Q, SBD) 6.8 T / 8Ar / 4 / 8Ar / 4 ESGT	1.0	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened In) (Part Q, SBD) 6.8 T / 8Kr / 4 / 8Kr / 4 ESGT	0.6	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened Middle) (Part Q, SBD) 6.8 T / 8Ar / 4ESG / 8Ar / 4 ESGT	1.0	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened Middle) (Part Q, SBD) 6.8 T / 8Kr / 4ESG / 8Kr / 4 ESGT	0.6	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes

Triple Glazed Glass Options Glazing Units 36mm

Argon (Ar) / Krypton (Kr) Filled and Softcoat Low-e

**** Obscure, Anti Sun, Leaded and Painted: Centre pane always toughened**

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Std Float 4T / 12Ar / 4 / 12Ar / 4T	0.7	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Std Float 4T / 12Kr / 4 / 12Kr / 4T	0.5	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened In 4T / 12Ar / 4 / 12Ar / 4 ESG T	0.7	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened In 4T / 12Kr / 4 / 12Kr / 4 ESG T	0.5	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Out 4ESG T / 12Ar / 4 / 12Ar / 4T	0.7	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Out 4ESG T / 12Kr / 4 / 12Kr / 4T	0.5	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Both 4ESG T / 12Ar / 4 / 12Ar / 4 ESG T	0.7	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened Both 4ESG T / 12Kr / 4 / 12Kr / 4 ESG T	0.5	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened All 4ESG T / 12Ar / 4ESG / 12Ar / 4 ESG T	0.7	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Toughened All 4ESG T / 12Kr / 4ESG / 12Kr / 4 ESG T	0.5	31	30	0.50	All	**Yes	**Yes	**Yes	Yes	Yes

Triple Glazed Enhanced Security Glass Options Glazing Units 35mm

Argon (Ar) / Krypton (Kr) Filled and Softcoat Low-e 6.8mm (P2A) Laminated Glass as as required by SBD & Part Q.

**** Obscure, Anti Sun, Leaded and Painted: Centre pane always toughened, 6.8mm (P2A) Laminated Glass as as required by SBD and Part Q**

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Safety (Part Q, SBD) 4T / 10Ar / 4 / 10Ar / 6.8 T	0.8	31	37	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Safety (Part Q, SBD) 4T / 10Kr / 4 / 10Kr / 6.8 T	0.6	31	37	0.50	All	**Yes	**Yes	**Yes	Yes	Yes
Security (Part Q, SBD) 6.8 T / 10Ar / 4 / 10Ar / 4T	0.8	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Security (Part Q, SBD) 6.8 T / 10Kr / 4 / 10Kr / 4T	0.6	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened In) (Part Q, SBD) 6.8 T / 10Ar / 4 / 10Ar / 4 ESGT	0.8	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened In) (Part Q, SBD) 6.8 T / 10Kr / 4 / 10Kr / 4 ESGT	0.6	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened Middle) (Part Q, SBD) 6.8 T / 10Ar / 4ESG / 10Ar / 4 ESGT	0.8	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes
Safety & Security (Toughened Middle) (Part Q, SBD) 6.8 T / 10Kr / 4ESG / 10Kr / 4 ESGT	0.6	31	37	0.50	Frosted	**Yes	**Yes	**Yes	Yes	Yes

Slimline Glass Options Glazing 14mm – 16mm

Krypton Filled, Warm Edge Spacer and Softcoat Low-e

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Std Float 3 / 8 Kr/3 T	1.2	30	15	0.63						
Toughened In 3 / 8 Kr/4 ESG T	1.2	31	16	0.63						
Toughened Out 3 ESG / 8 Kr/3 T	12	30	15	0.64						
Toughened Both 3 ESG / 8 Kr/4 ESG T	1.2	31	16	0.63						
Std Float (Obscure) 4 / 8Kr / 3 T	1.2	31	16	0.58	All*	Yes	No	Yes	No	Yes
Toughened In (Clear) 4T / 8Kr / 3 ESG	1.2	31	16	0.58	No	No	No	No	No	Yes
Toughened In (Obscure) 4 / 8Kr / 4 ESG T	1.2	31	16	0.58	All*	Yes	No	Yes	Yes	Yes
Toughened Out (Obscure) 4 ESG / 8Kr / 3 T	1.2	31	16	0.58	All*	Yes	No	Yes	Yes	Yes
Toughened Both (Clear) 4 ESG T / 8Kr / 3 ESG	1.2	31	16	0.58	No	No	No	No	No	Yes
Toughened Both (Obscure) 4 ESG / 8Kr / 4 ESGT	1.2	31	16	0.58	All*	Yes	Yes	Yes	Yes	Yes

Single Glass Options Glazing Panes 4mm.

Description & Unit Config.	Ug	dB	Weight Kg/m ²	G Value	Obscure	Anti Sun	Painted	Lead	Bevelled	Self Clean
Std Float 4mm	5.8	29	10	0.87	All*	Yes	No	Yes	Yes	Yes
Toughened 4mm ESG	5.8	29	10	0.87	All*	Yes	No	Yes	Yes	Yes
Security 6.5mm Laminated	5.8	30	16	0.81	Frosted	No	No	Yes	No	No

Unit Sizes

Contemporary

Product	Double	Acoustic	Triple
Casement	25	32	32
Tilt & Turn	25	32	32
Sliding Sash	25	25	25
*Sliding Sash	N/A	36	36
Doors	25	32	32

Traditional

Product	Double	Acoustic	Triple
Casement	25	25	N/A
*Casement	N/A	36	36
Tilt & Turn	32	36	36
Sliding Sash	25	25	25
*Sliding Sash	N/A	36	36
Doors	32	36	36

* Sash depth increased to 68mm

Creative

Product	Double	Acoustic	Triple
Creative	27	32	32