AN ULLRICH ALUMINIUM COMPANY

ASPEN

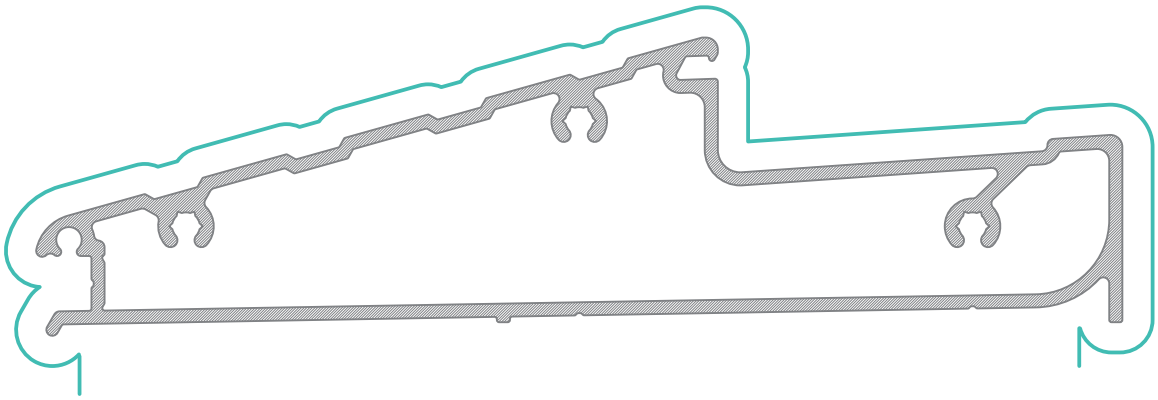
145MM HINGED DOOR

FABRICATION REFERENCE

"Building products beyond the standards"

wintecsystems

CONTENTS

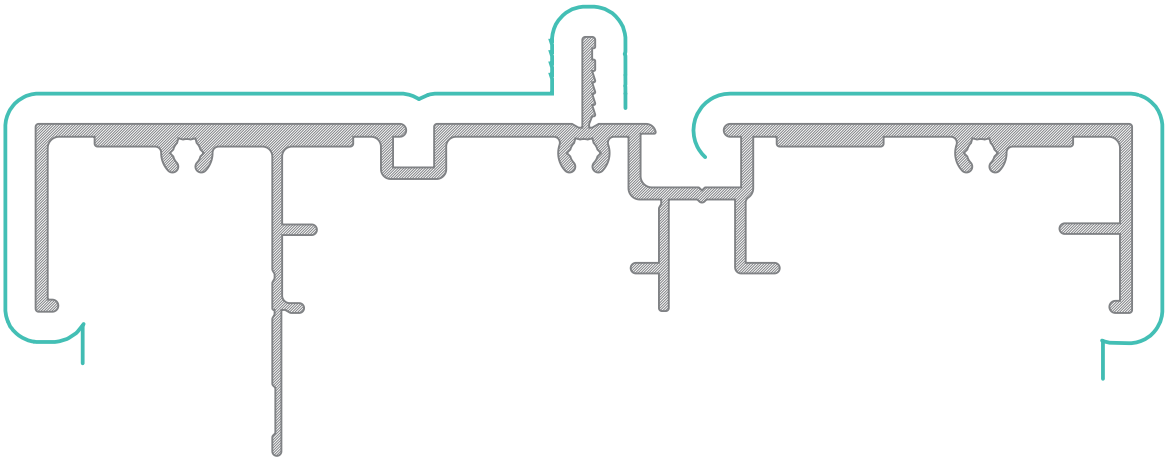


WAFD111
SILL

PP = 232.8mm
AP = 788.63mm

Ixx = 88.7 x 10^3 mm^4
Iyy = 1423 x 10^3 mm^4

Height = 38mm
Width = 143.64mm

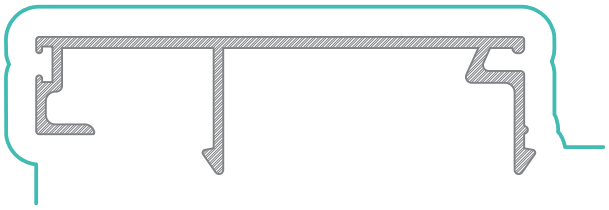


WAFD112
HEAD + JAMB

PP = 213.4mm
AP = 705.54mm

Ixx = 45.4 x 10^3 mm^4
Iyy = 1242.5x 10^3 mm^4

Height = 43.9mm
Width = 145mm

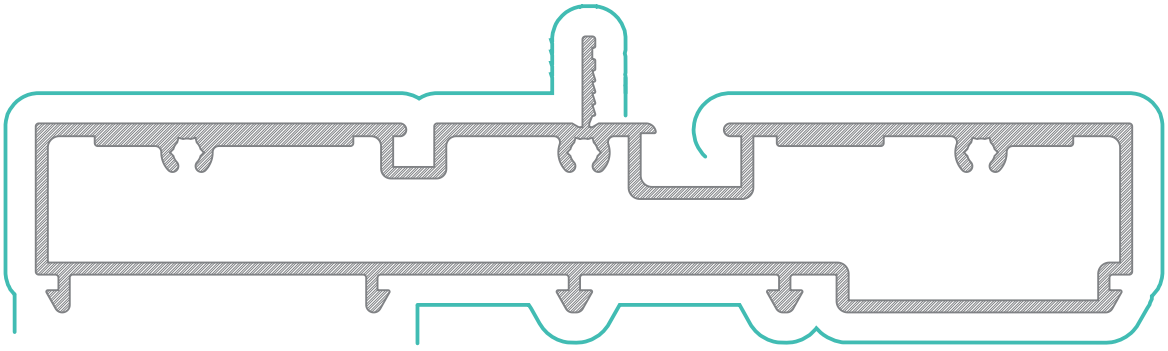


WAFD113
STOP BEAD

PP = 91.52mm
AP = 258.54mm

Ixx = 5.32 x 10^3 mm^4
Iyy = 99.10 x 10^3 mm^4

Height = 18.55mm
Width = 66mm

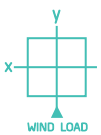


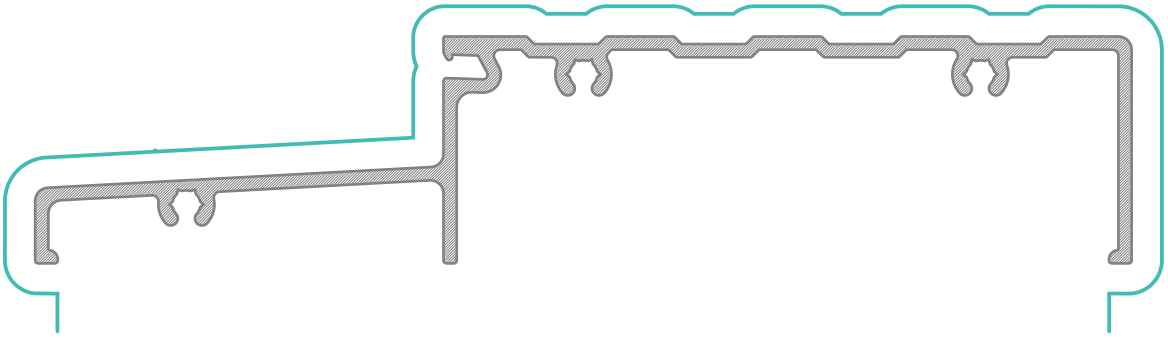
WAFD114
COUPLER

PP = 331.42mm
AP = 856.08mm

Ixx = 67.23 x 10^3 mm^4
Iyy = 1488.69 x 10^3 mm^4

Height = 36.5mm
Width = 145mm



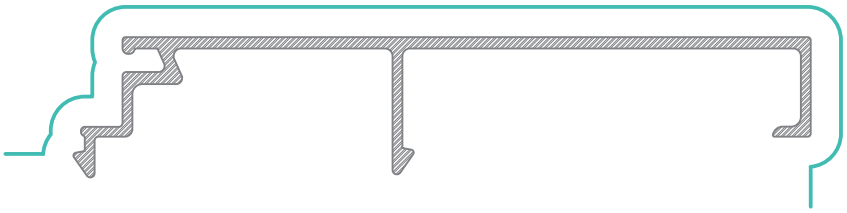


WAFD115
OUTSWING SILL

PP = 208.08mm
AP = 493.25mm

Ixx = 29.24 x 10^3 mm^4
Iyy = 916.53 x 10^3 mm^4

Height = 30mm
Width = 145mm

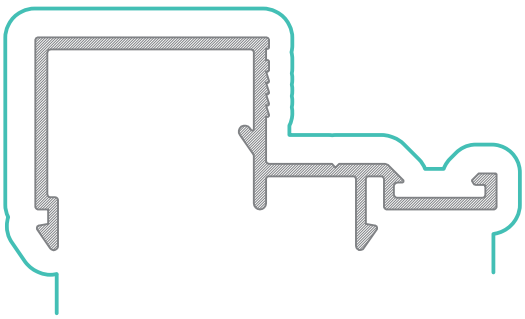


WAFD116
OPEN OUT STOP BEAD

PP = 122.66mm
AP = 302.44mm

Ixx = 5.56 x 10^3 mm^4
Iyy = 218.94 x 10^3 mm^4

Height = 18.55mm
Width = 97.5mm

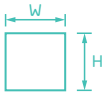


WAFD117
FIXED D/G ADAPTOR BASE

PP = 122.66mm
AP = 302.44mm

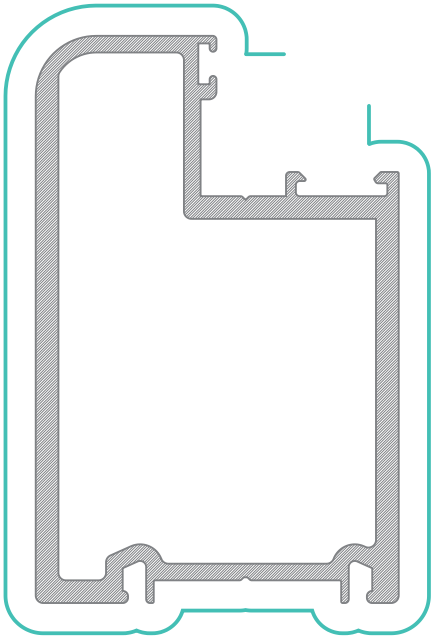
Ixx = 12.36 x 10^3 mm^4
Iyy = 79.56 x 10^3 mm^4

Height = 28.13mm
Width = 61mm



DIMENSIONS

*PP = PAINT PERIMETER
AP = ANODISED PERIMETER
= PAINTED FACES

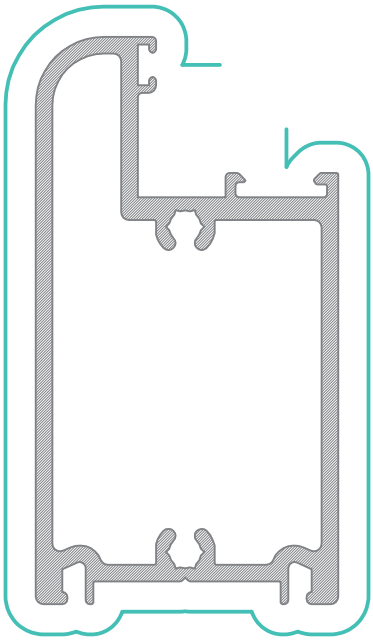


WAWF006
BIFOLD STILE

PP = 208.66mm
AP = 518.47mm

Ixx = 223.00 x 10^3 mm^4
Iyy = 405.55 x 10^3 mm^4

Height = 75mm
Width = 48mm

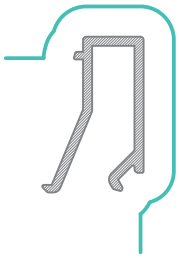


WAWF007
BIFOLD RAIL

PP = 192.31mm
AP = 518.02mm

Ixx = 122.38 x 10^3 mm^4
Iyy = 332.98 x 10^3 mm^4

Height = 75mm
Width = 40mm

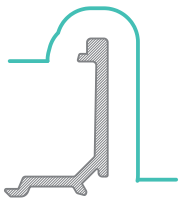


WAWF008
SINGLE GLAZED BEAD

PP = 30.37mm
AP = 105.72mm

Ixx = 0.87 x 10^3 mm^4
Iyy = 2.73 x 10^3 mm^4

Height = 20.6mm
Width = 13.4mm

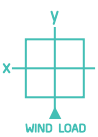


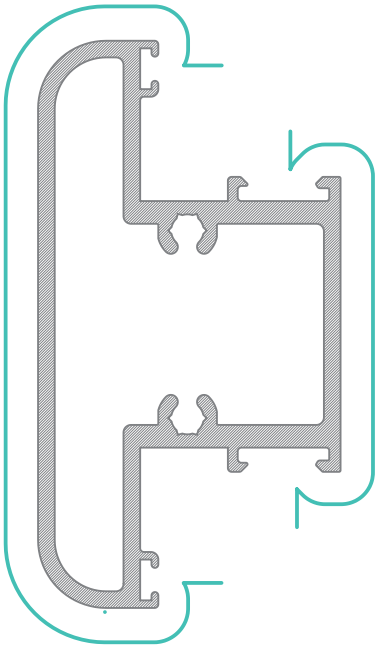
WAWF009
DOUBLE GLAZED BEAD

PP = 24.47mm
AP = 71.02mm

Ixx = 0.35 x 10^3 mm^4
Iyy = 2.56 x 10^3 mm^4

Height = 20.6mm
Width = 13.4mm



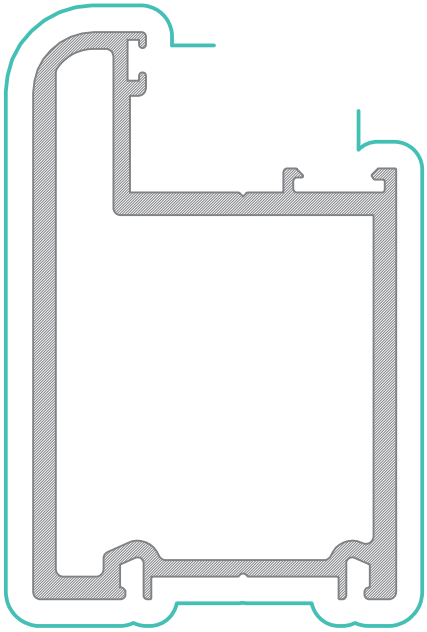


WAWF010
BIFOLD MIDRAIL

PP = 150.61mm
AP = 518.83mm

Ixx = 104.84 x 10^3 mm^4
Iyy = 247.10 x 10^3 mm^4

Height = 75mm
Width = 40mm

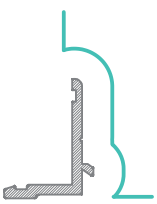


WAWF020
BIFOLD D/G STILE

PP = 199.96mm
AP = 518.47mm

Ixx = 220.00 x 10^3 mm^4
Iyy = 391.36 x 10^3 mm^4

Height = 75mm
Width = 48mm

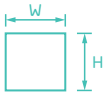


WASW024
FIXED BEAD

PP = 14.95mm
AP = 55.95mm

Ixx = 0.17 x 10^3 mm^4
Iyy = 8.42 x 10^3 mm^4

Height = 15.8mm
Width = 11.8mm



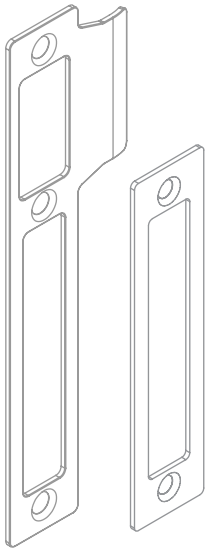
DIMENSIONS

*PP = PAINT PERIMETER
AP = ANODISED PERIMETER
= PAINTED FACES

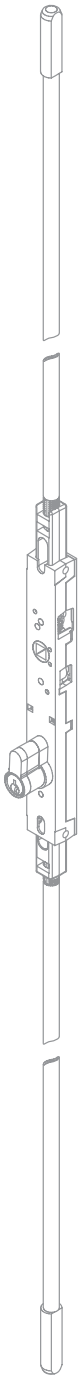
NOT TO SCALE

PART #	DESCRIPTION
WFA400	Lever Compression Lock (LCL)
WFA401	Palladium Furniture Summit - Black
WFA402	Palladium Furniture Summit - Satin Chrome
WFA405	Palladium Furniture Summit French Door Satin Black
WFA406	Palladium Furniture Summit French Door Satin Chrome
WFA422	LCL Strike Kit 3 - Left hand (stile) opens out/ Right hand stile opens in
WFA423	LCL Strike Kit 3 - Right hand (stile) opens out/ Left hand stile opens in
WFA424	French Door Twinbolt
WFA425	Strike Kit Packer
WFA426	Rod Joiner
WFA450	Twinbolt - Black
WFA451	Twinbolt - Satin Chrome
SFD066	Single Point Lock
SFD067	Double Cylinder

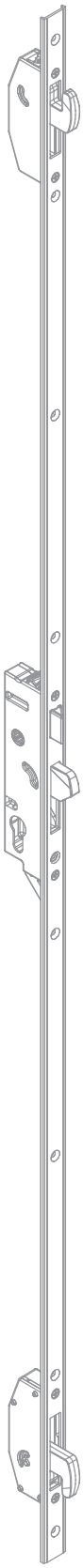
WFA422 / WFA423 striker plate*



WFA24 twinbolt*



WFA400 lever compression lock*



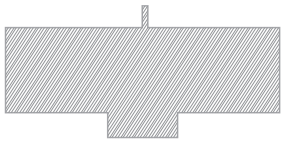
* shown for reference only

SFD062 head gasket

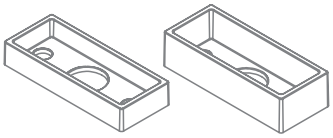
SFD063 open in sill gasket

SFD064 open out sill gasket

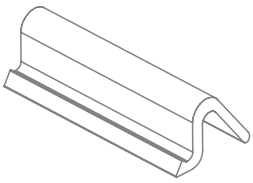
SFD065 transom gasket



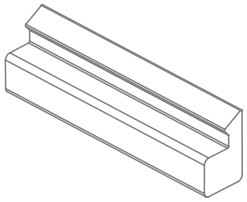
WFA020 lock packer set (9.5mm + 14.3mm)



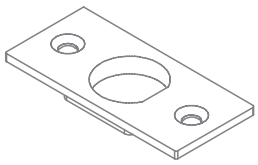
SFD054 frame push-in q'lon seal



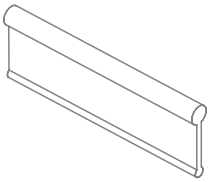
SFD057 sash push-in q'lon seal



SFD061 flush bolt ferrule

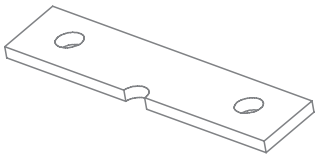


WINXSB sill baffle



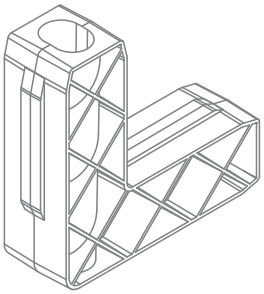
SFD050 10mm hole plug

SFD052 hinge packer

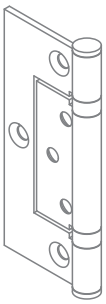


* Drill to suit hinge hole location

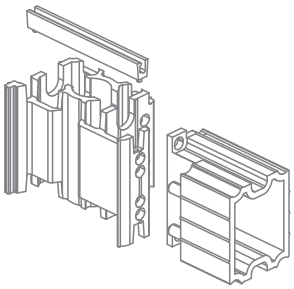
SFD060 corner stake



SFD068 fast fix s/steel hinge

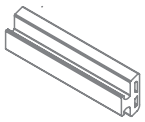
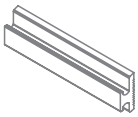
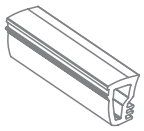
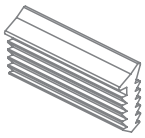
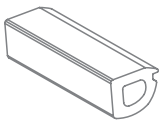
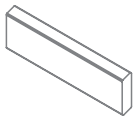


WFA005 sash assembly blocks



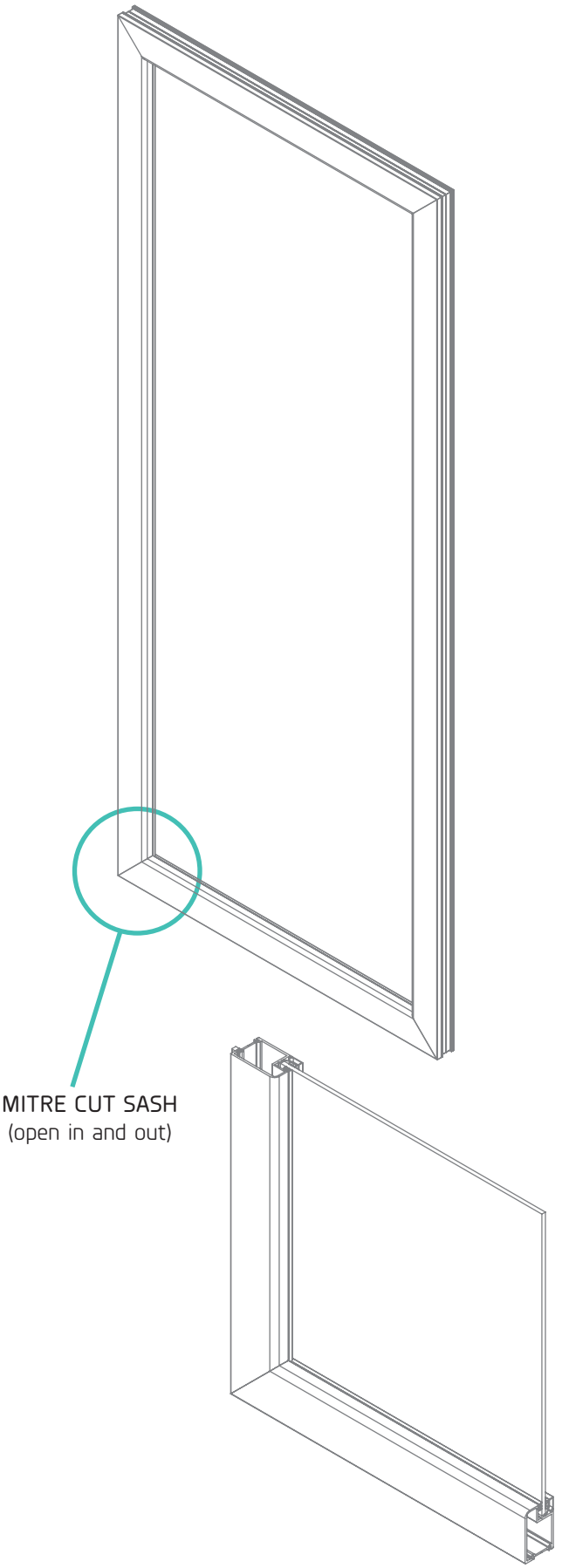
GLAZING DETAILS

NOT TO SCALE

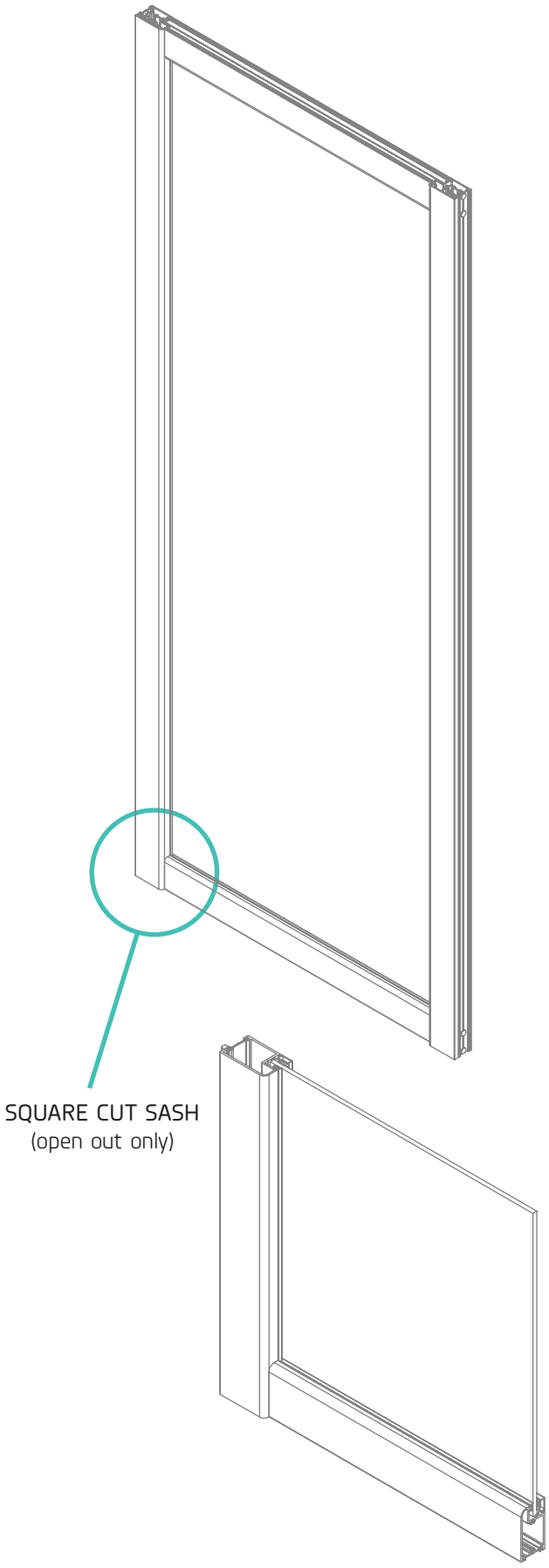
SECTION	SAMPLE	SECTION	SAMPLE	SECTION	SAMPLE
WFA016-4/6mm DOOR SASH CAPTIVE WEDGE		WFA016-8/10mm DOOR SASH CAPTIVE WEDGE		WFA017 4mm, 5mm & 6/8mm ROLL IN WEDGE	
WFA017-10/16mm ROLL IN WEDGE		WIN4WW, WIN5WW, WIN6WW & WIN8WW ROLL IN WEDGE		3mm CLOSED CELL GLAZING TAPE	

GLASS THICKNESS	DOOR STILE	DOOR STILE BEAD	DOOR SASH CAPTIVE WEDGE OR SEALANT	DOOR SASH ROLL IN WEDGE	FRAME OR ADAPTOR BASE BEAD	FRAME OR ADAPTOR BASE BEAD	GLAZING TAPE OR SEALANT	FIX LITE ROLL IN WEDGE
4mm	WAWF006	WAWF008	WFA16-4/6mm	WFA017-4mm	WAFD112	WASW024	3mm GLAZING TAPE	WIN5WW
5mm	WAWF006	WAWF008	WFA16-4/6mm	WFA017-5mm	WAFD112	WASW024	3mm GLAZING TAPE	WIN6WW
6mm	WAWF006	WAWF008	WFA16-4/6mm	WFA017-6/8mm	WAFD112	WASW024	SEALANT	WIN4WW
8mm	WAWF006	WAWF008	WFA16-8/10mm	WFA017-6/8mm	WAFD112	WASW024	SEALANT	WIN6WW
10mm	WAWF006	WAWF008	WFA16-8/10mm	WFA017-10/16mm	WAFD112	WASW024	SEALANT	WIN8WW
12mm	WAWF006	WAWF009	WFA16-4/6mm	WFA017-6/8mm	WAFD112	WASW024	SEALANT	WFA017-10/16mm
16mm	WAWF006	WAWF009	WFA16-8/10mm	WFA017-10/16mm	WAFD117	WAWF008	SEALANT	WFA017-10/16mm
24mm	WAWF020	WAWF009	SEALANT	WFA17-6/8mm	WAFD117	WAWF009	SEALANT	WFA17-10mm

THE ASPEN HINGED DOOR SYSTEM FEATURES TWO SASH OPTIONS

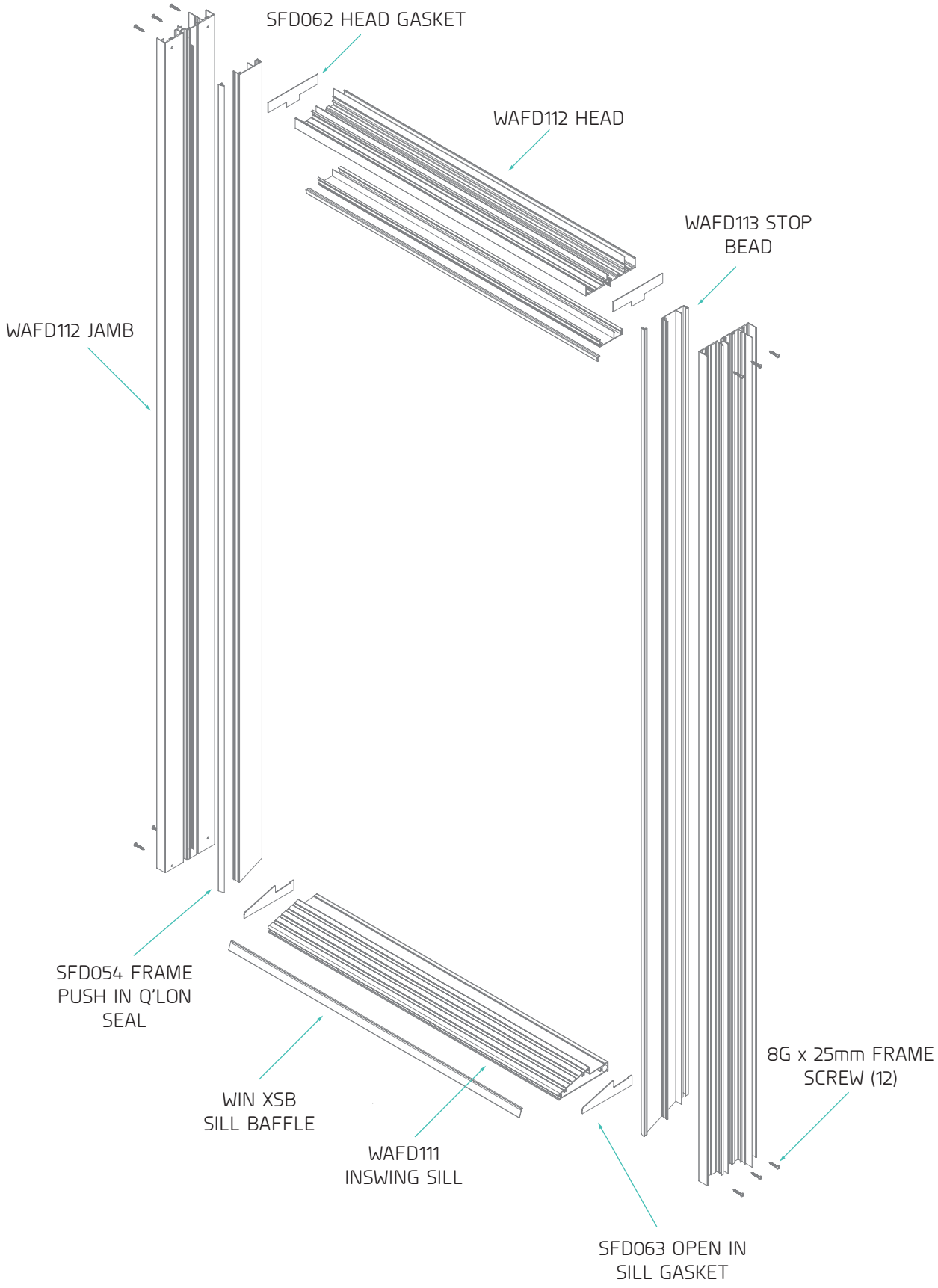


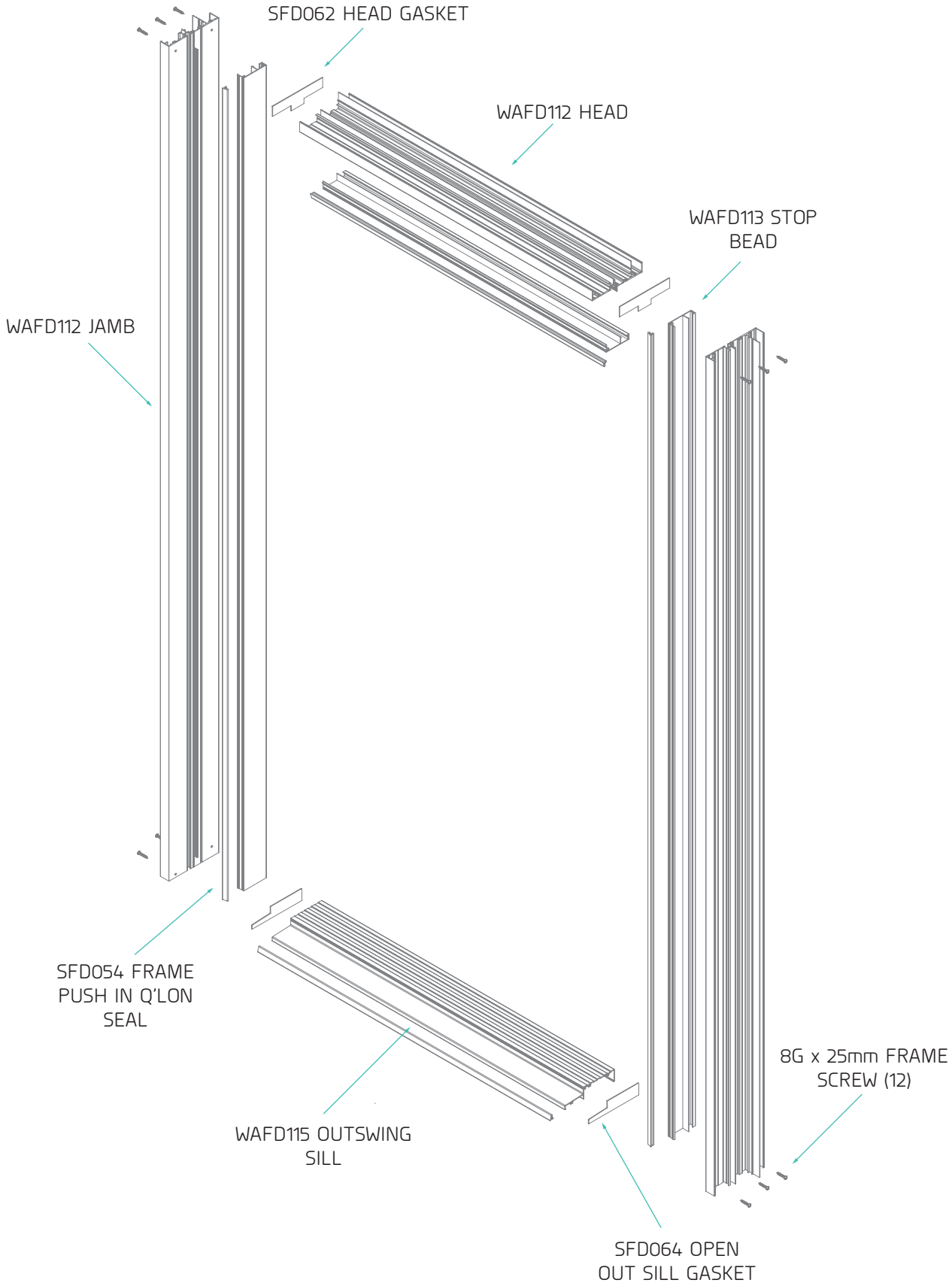
MITRE CUT SASH
(open in and out)

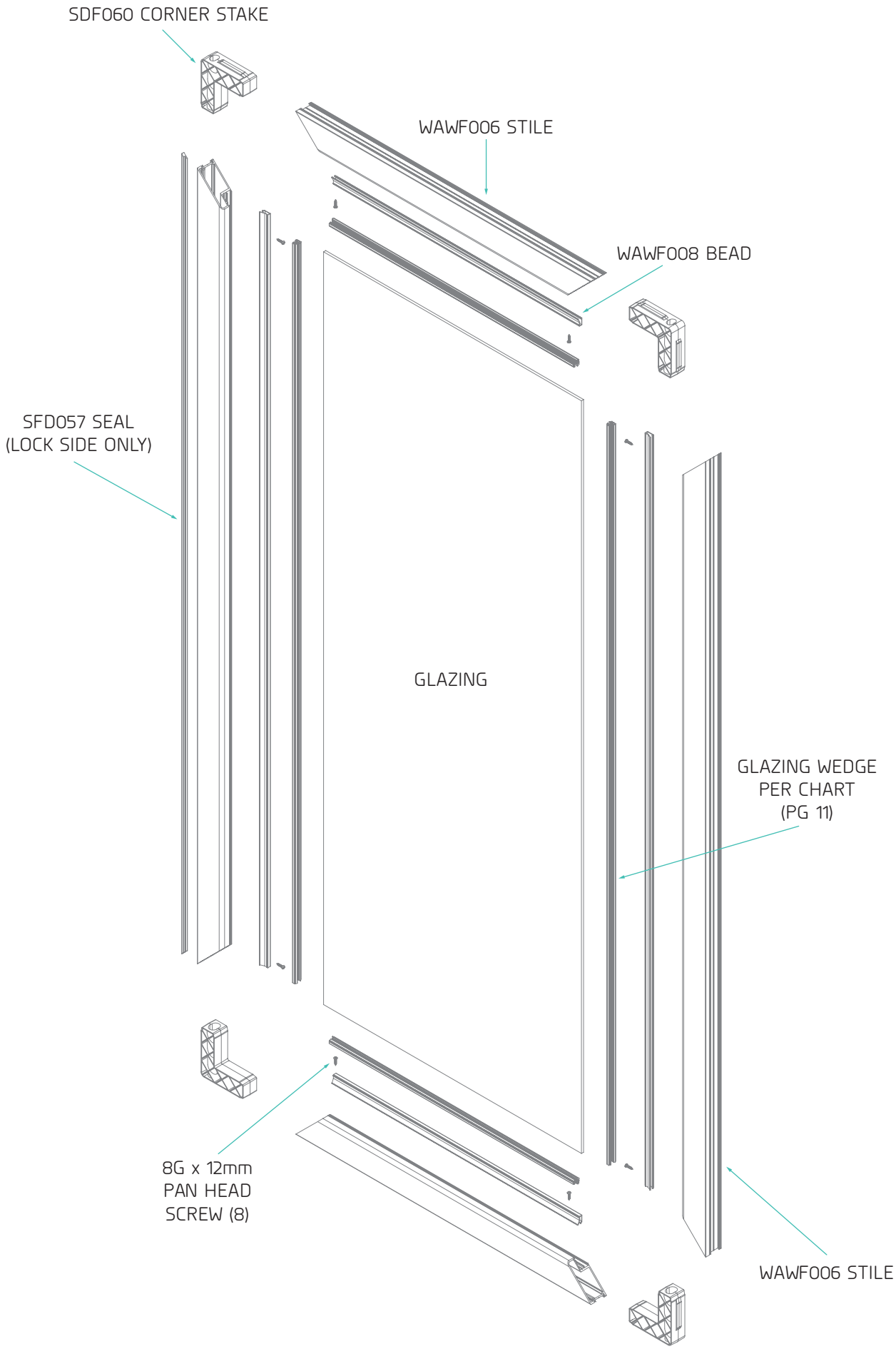


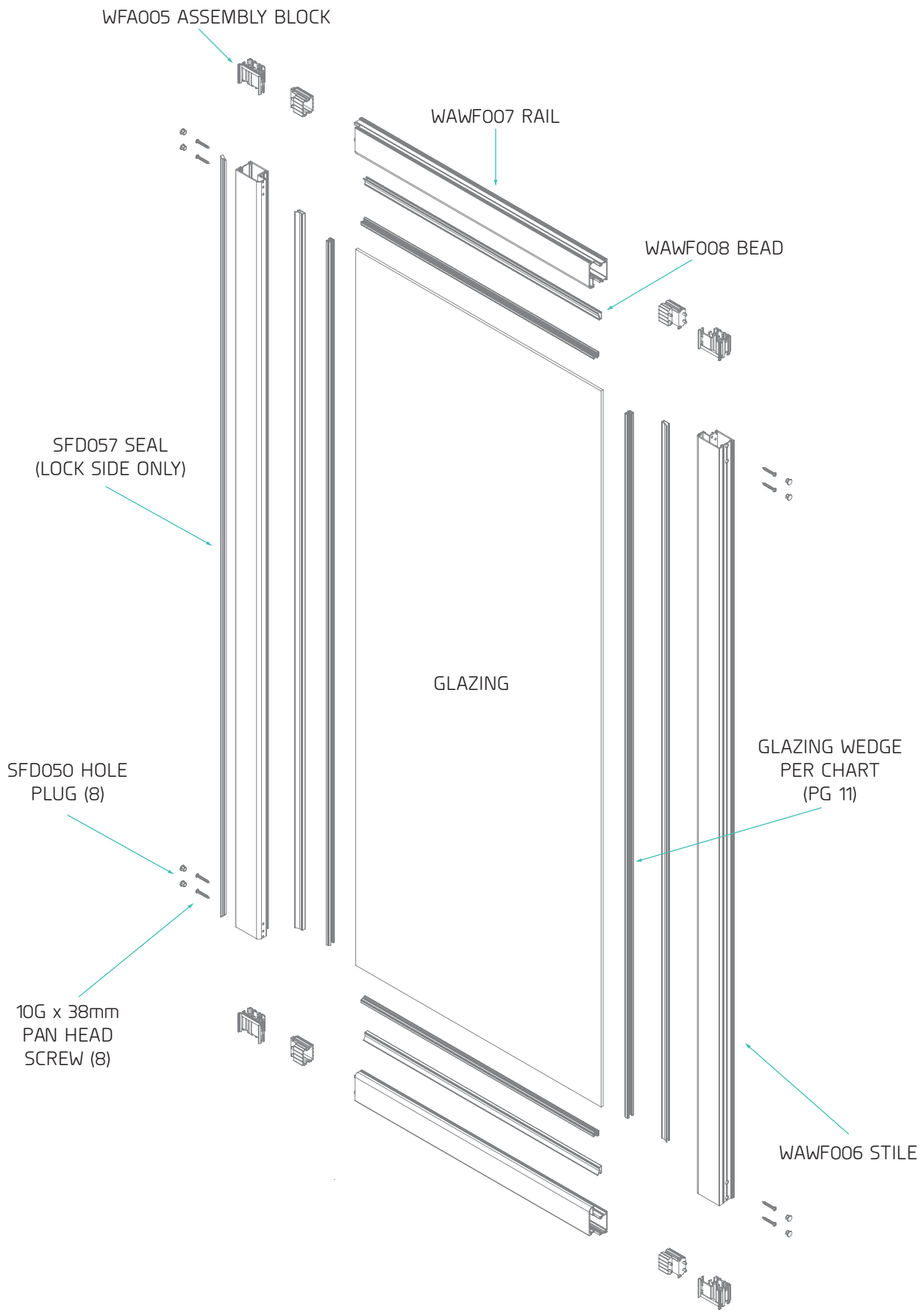
SQUARE CUT SASH
(open out only)

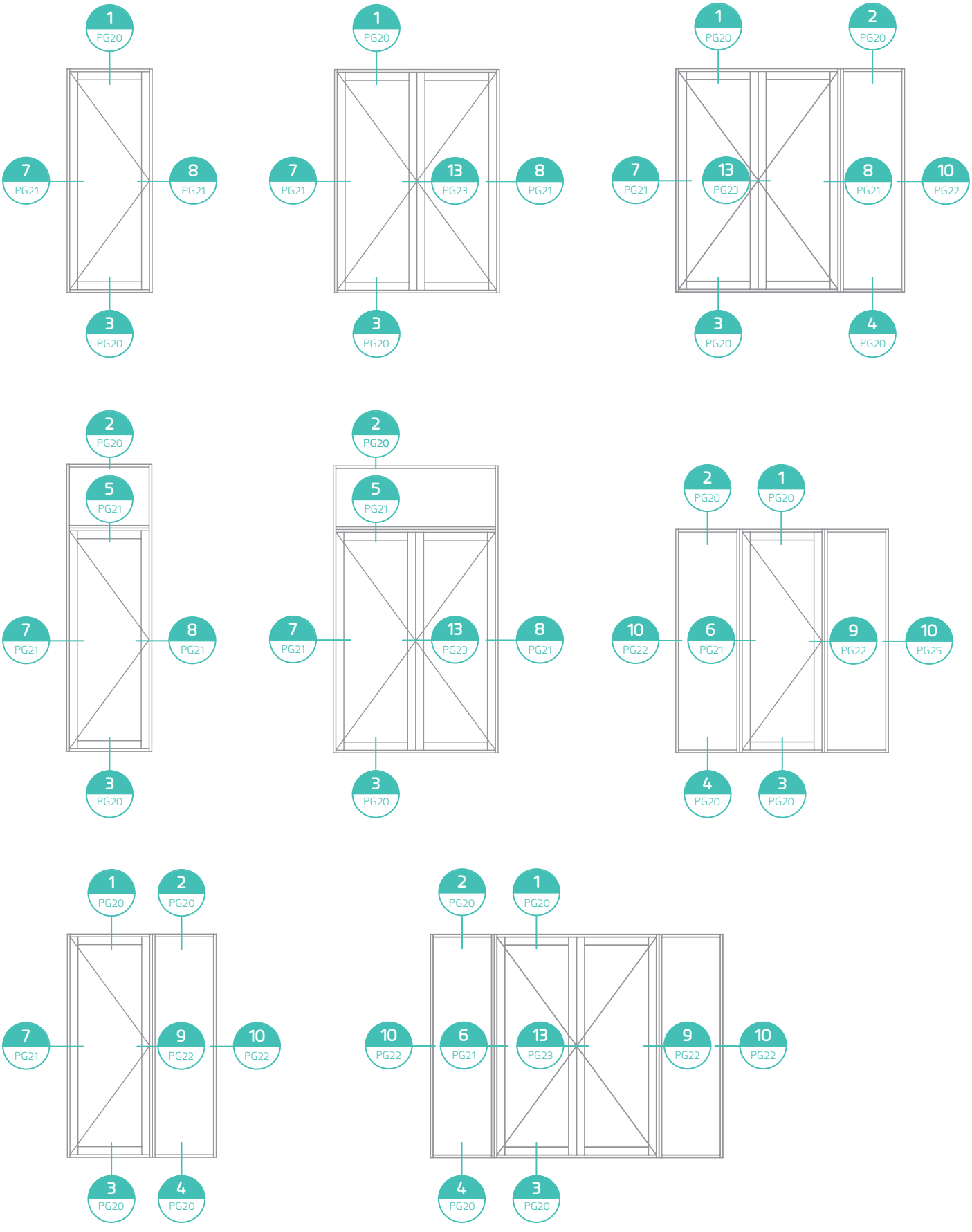
NOT TO SCALE


SFD062 HEAD GASKET
WAFD112 HEAD
WAFD113 STOP BEAD
WAFD112 JAMB
SFD054 FRAME PUSH IN Q'LON SEAL
WIN XSB SILL BAFFLE
WAFD111 INSWING SILL
8G x 25mm FRAME SCREW (12)
SFD063 OPEN IN SILL GASKET

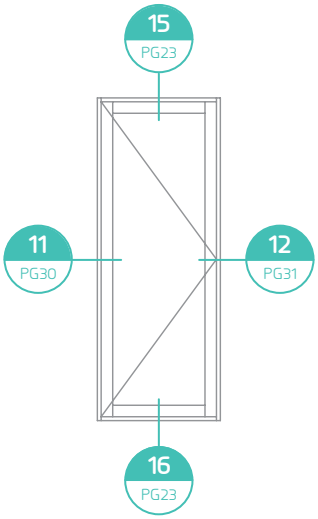

SFD062 HEAD GASKET
WAFD112 HEAD
WAFD113 STOP BEAD
WAFD112 JAMB
SFD054 FRAME PUSH IN Q'LON SEAL
WAFD115 OUTSWING SILL
8G x 25mm FRAME SCREW (12)
SFD064 OPEN OUT SILL GASKET

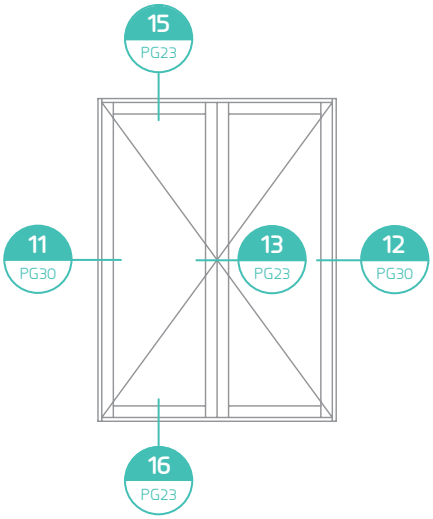

SDF060 CORNER STAKE
WAWF006 STILE
WAWF008 BEAD
SFD057 SEAL
(LOCK SIDE ONLY)
GLAZING
GLAZING WEDGE
PER CHART
(PG 11)
8G x 12mm
PAN HEAD
SCREW (8)
WAWF006 STILE

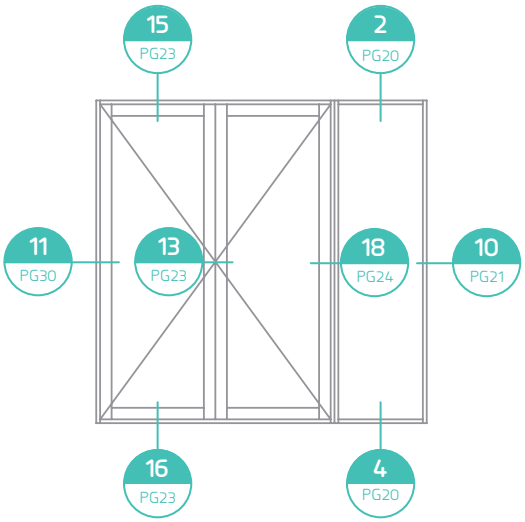

WFA005 ASSEMBLY BLOCK
WAWF007 RAIL
WAWF008 BEAD
SFD057 SEAL
(LOCK SIDE ONLY)
GLAZING
SFD050 HOLE
PLUG (8)
GLAZING WEDGE
PER CHART
(PG 11)
10G x 38mm
PAN HEAD
SCREW (8)
WAWF006 STILE

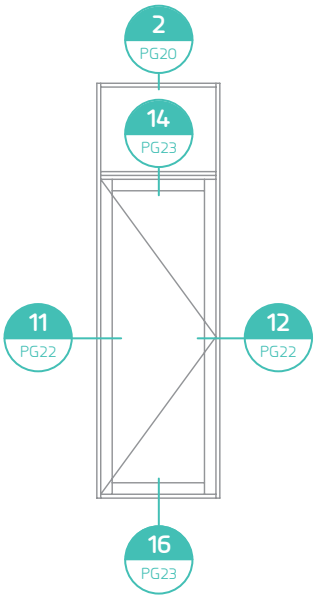


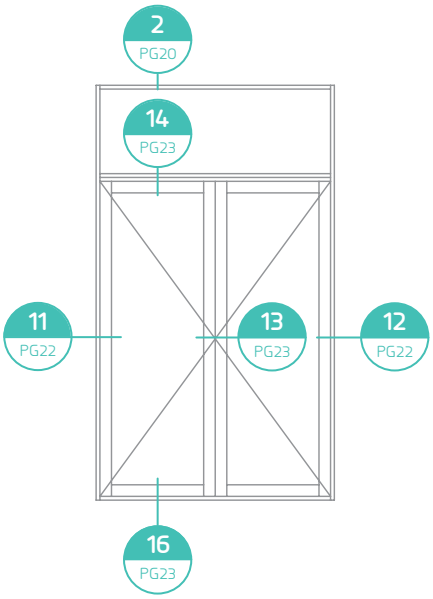
NOTE: Details reference mitre cut sash only | Open out doors can be mitre cut or square cut | Open in doors mitre cut only

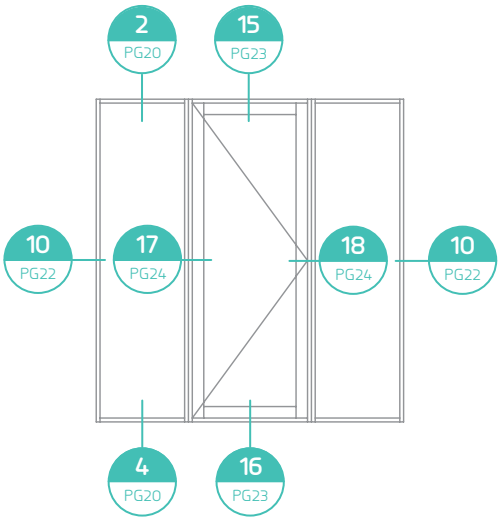


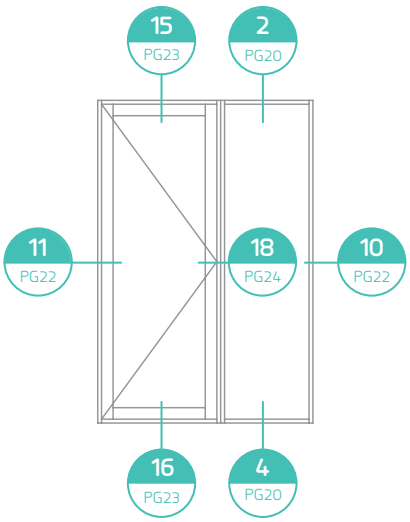


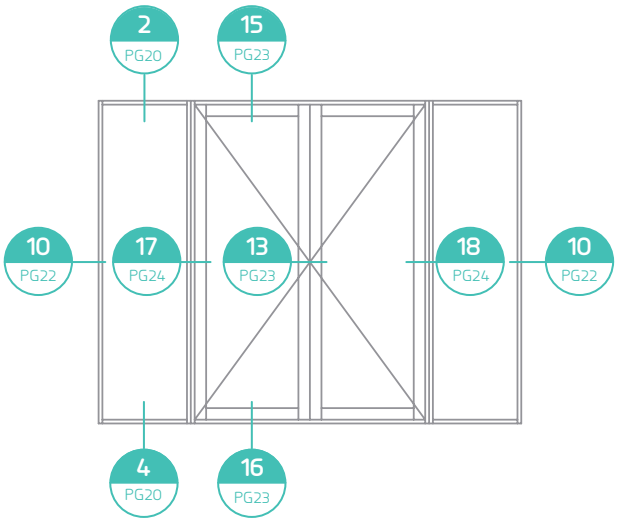








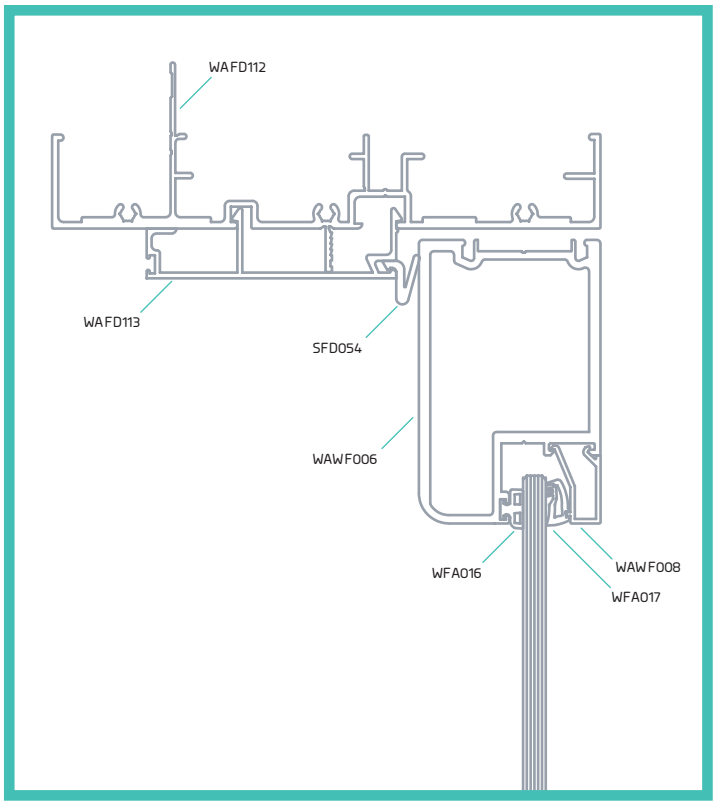




NOTE: Details reference mitre cut sash only | Open out doors can be mitre cut or square cut | Open in doors mitre cut only

CROSS SECTIONS

SECTION 1



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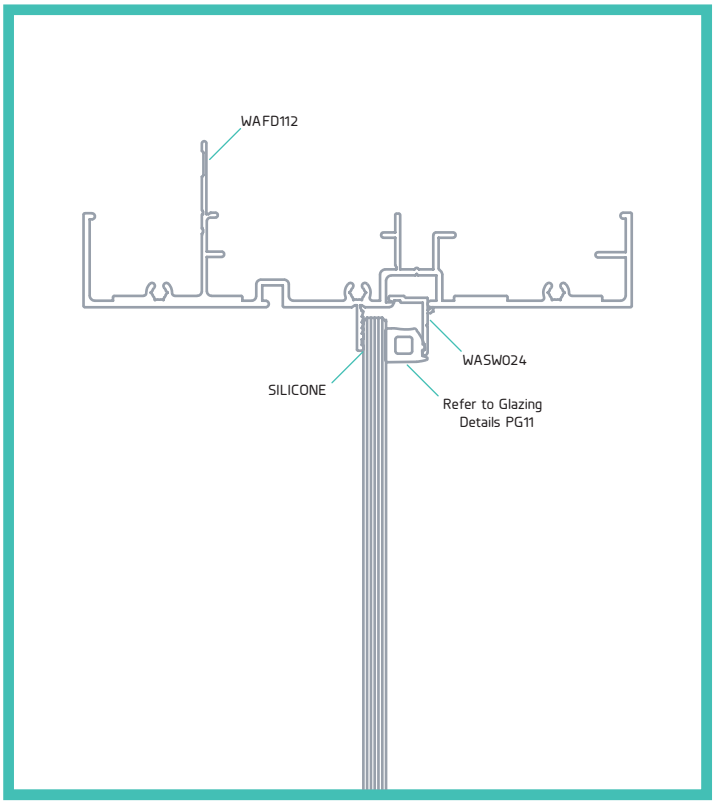

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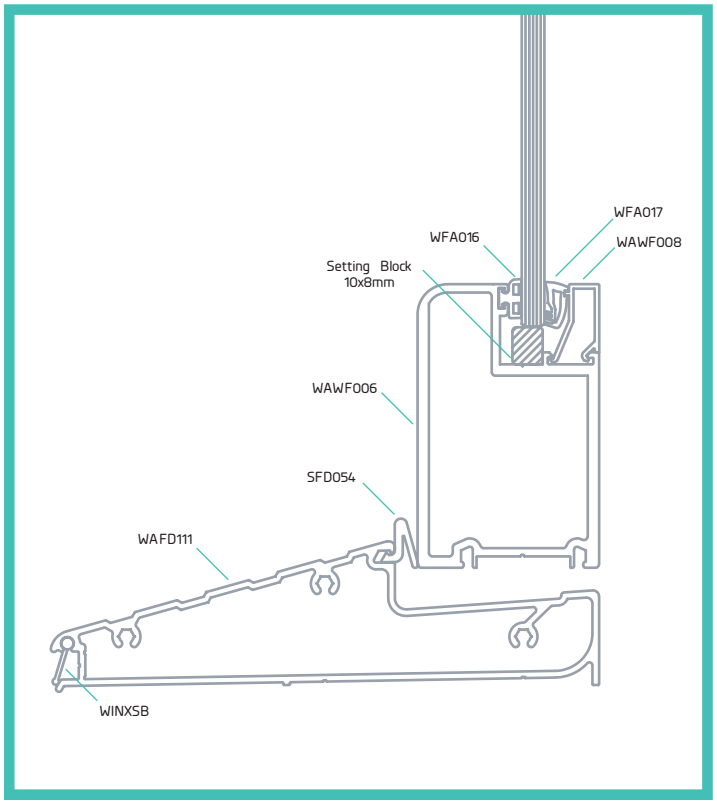

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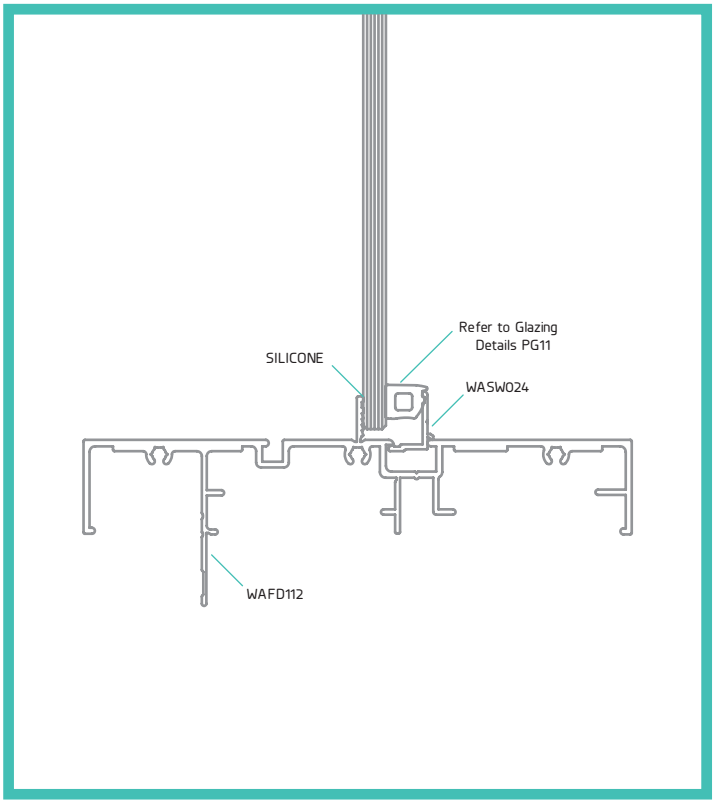

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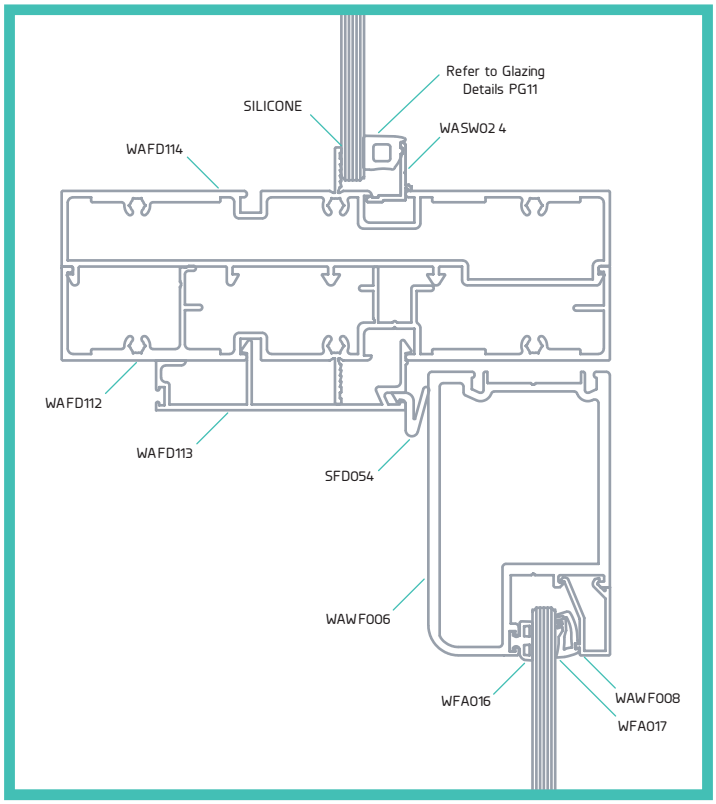

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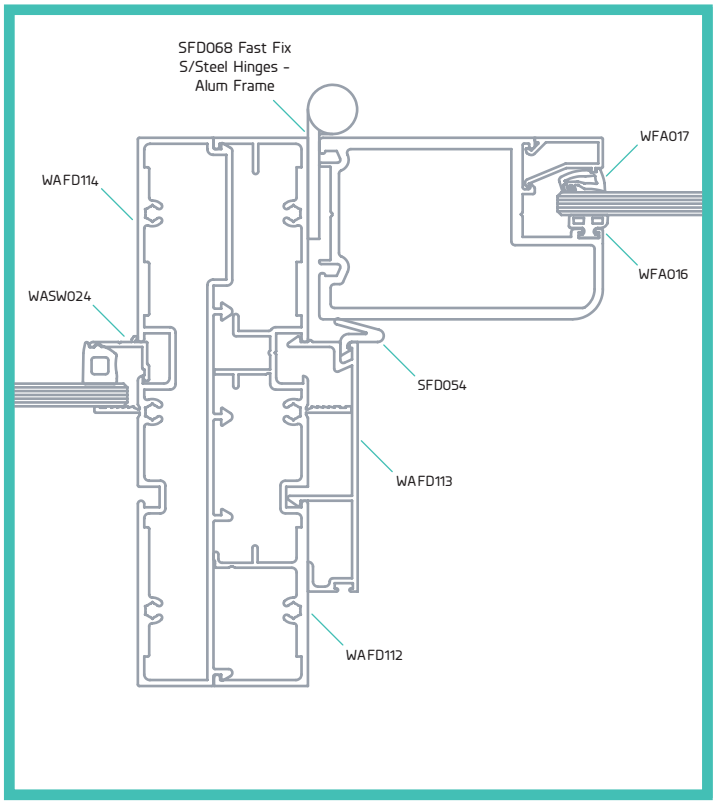

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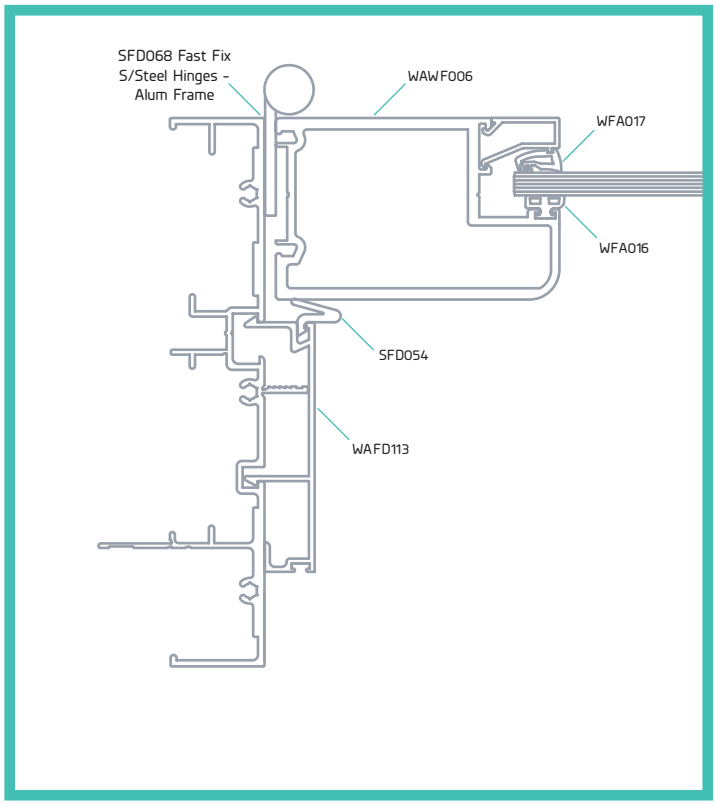

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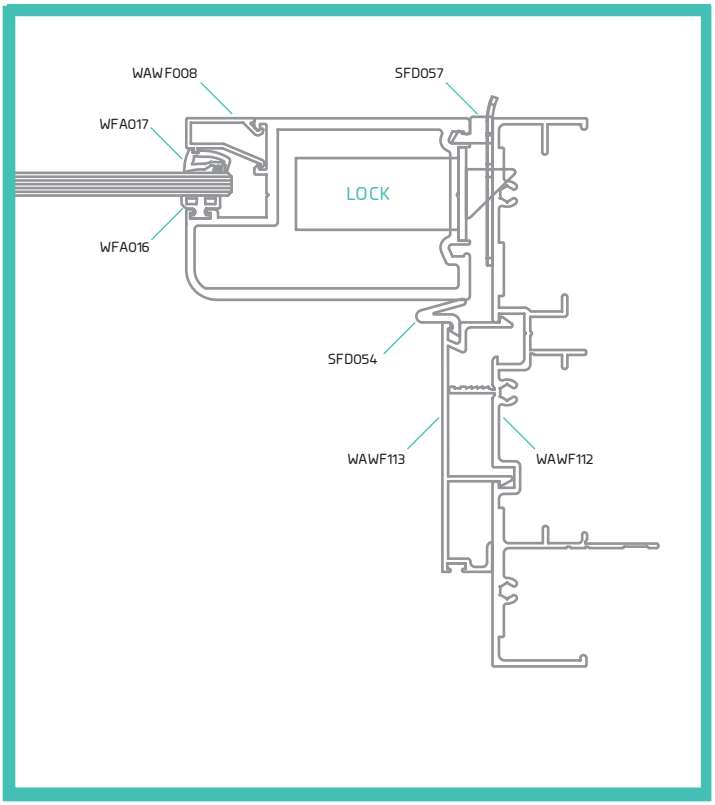

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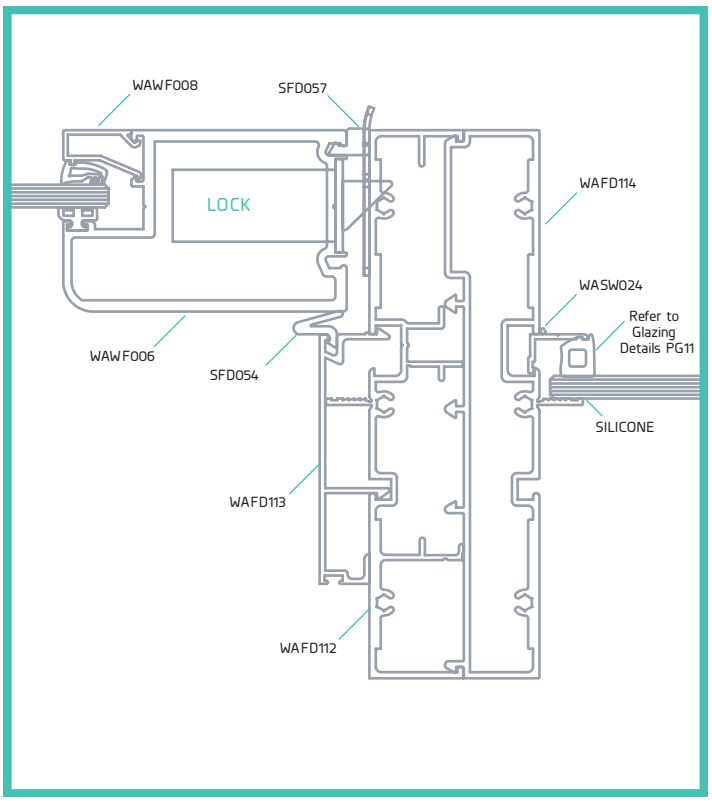

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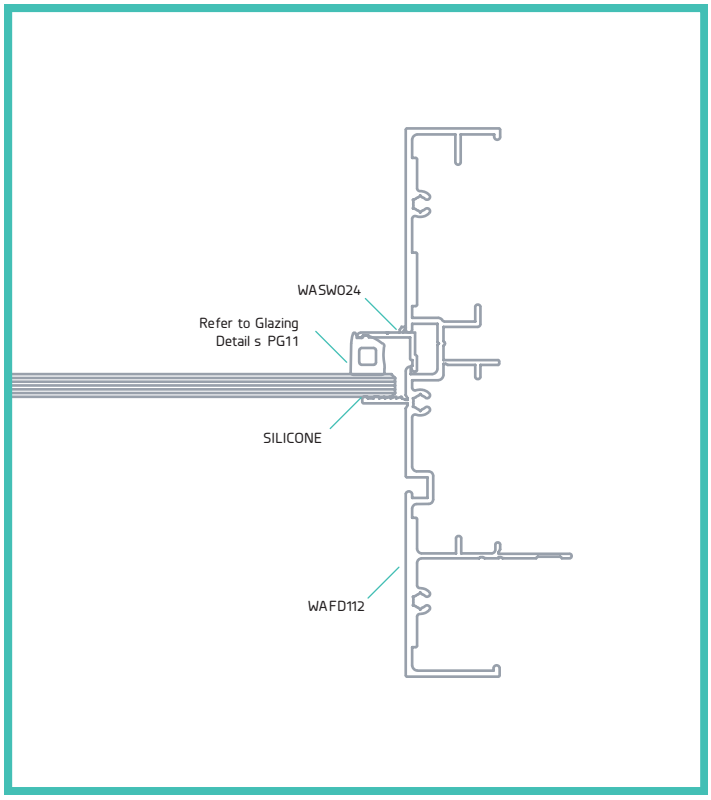

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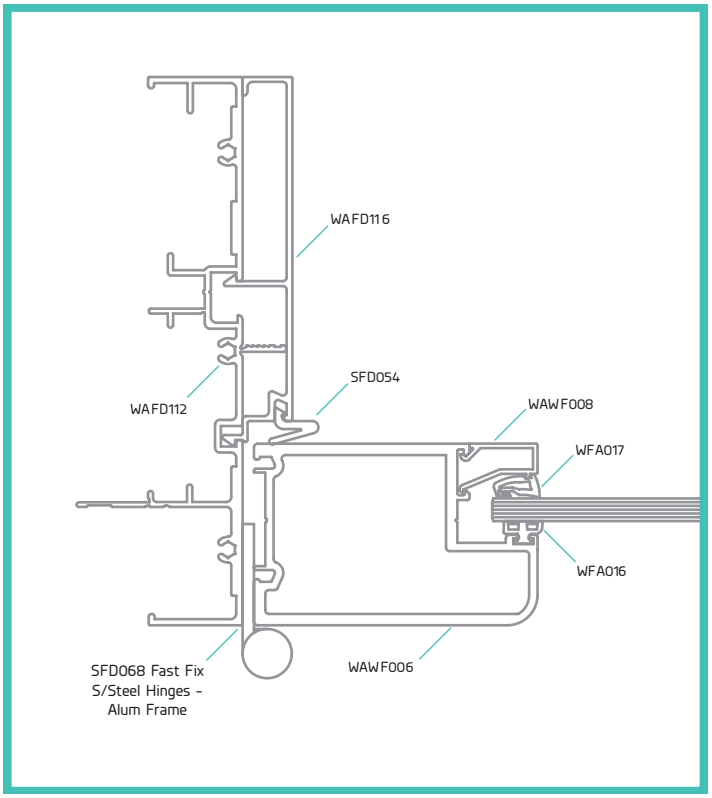

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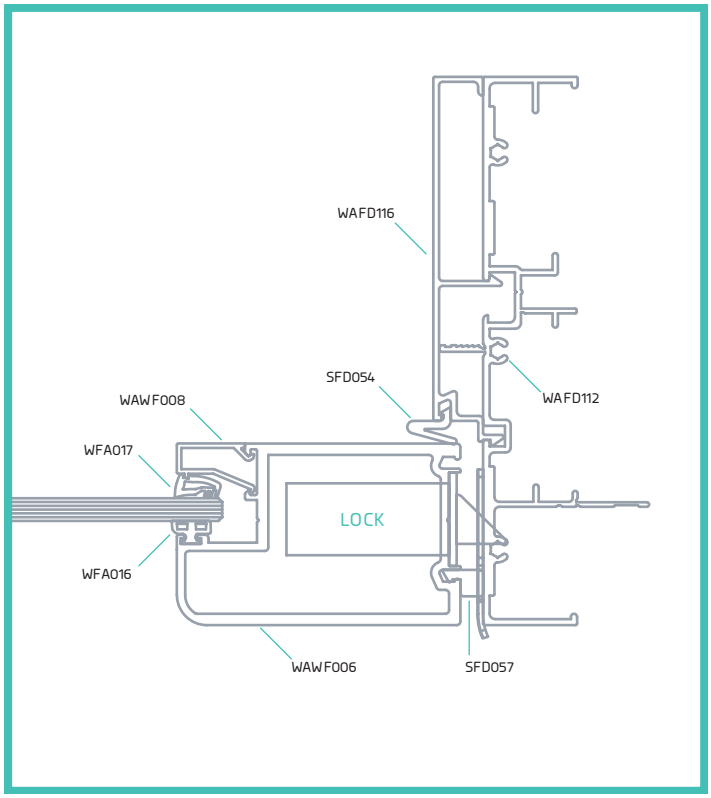

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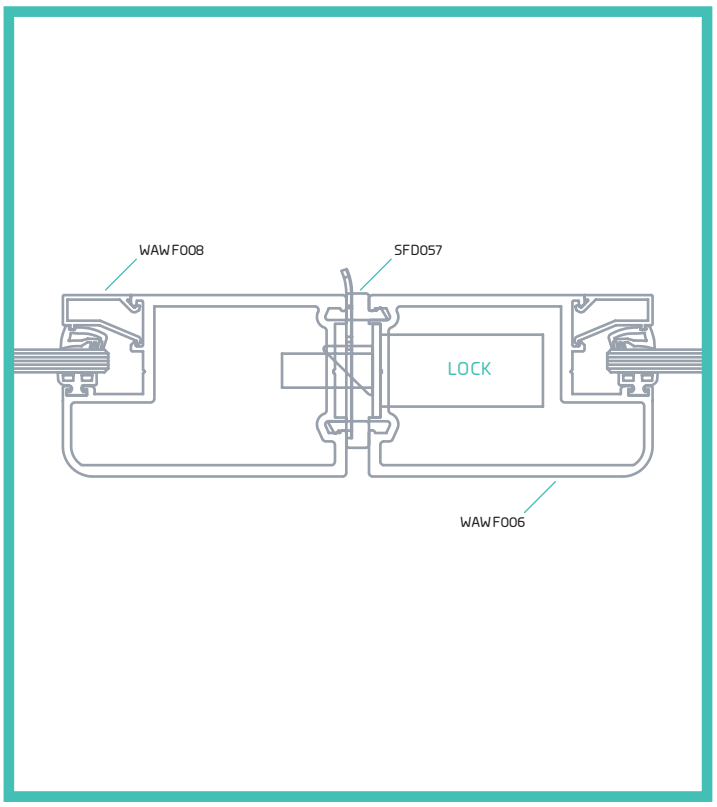

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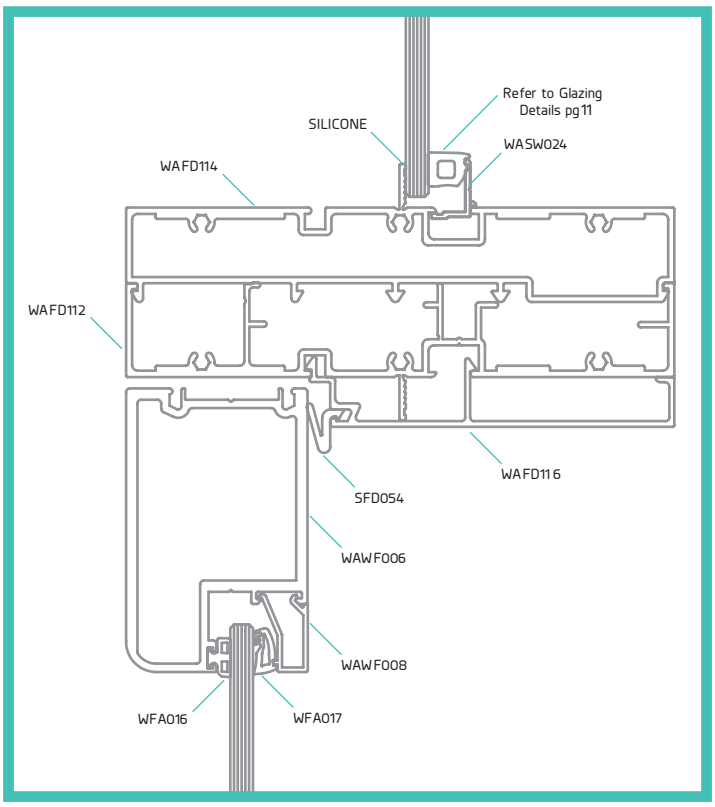

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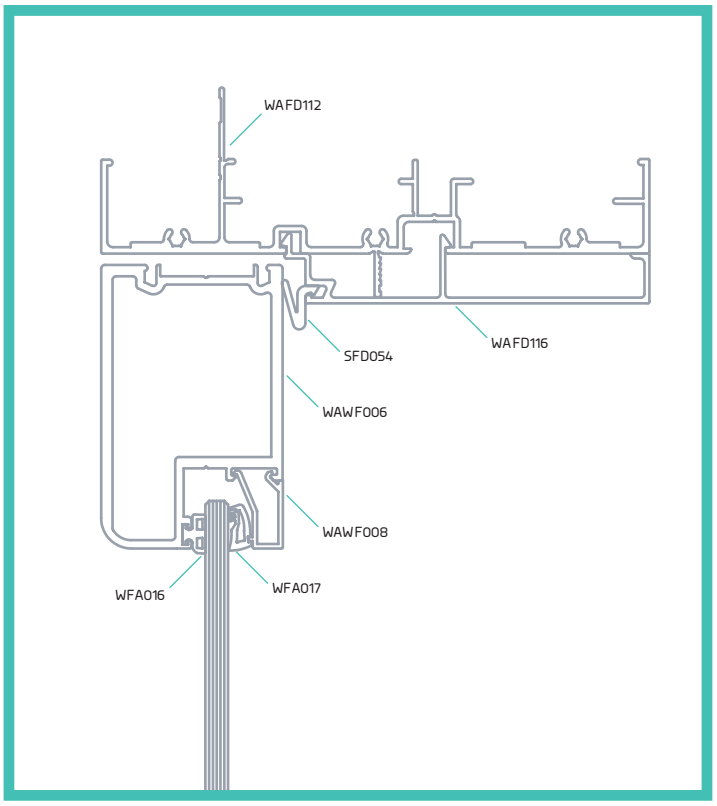

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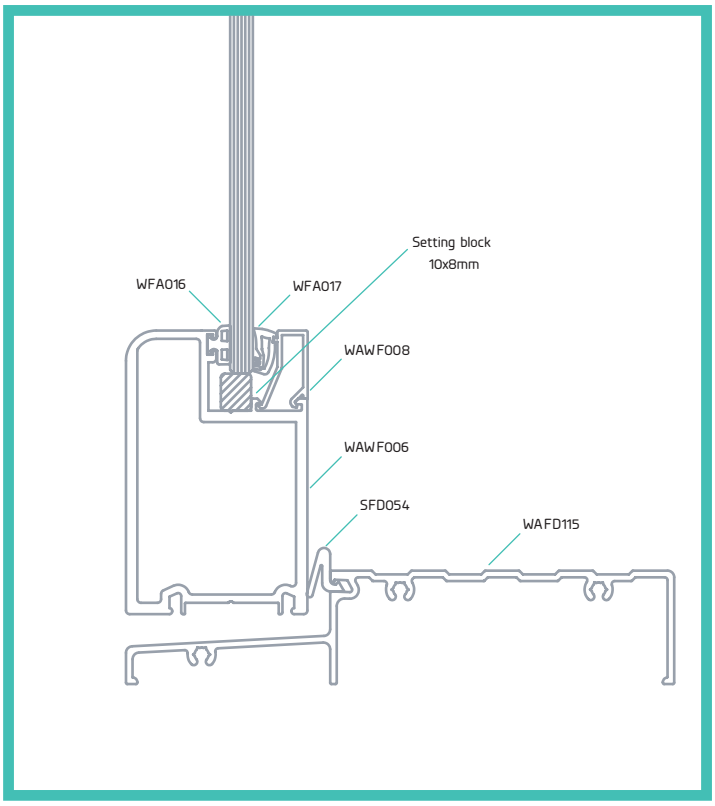

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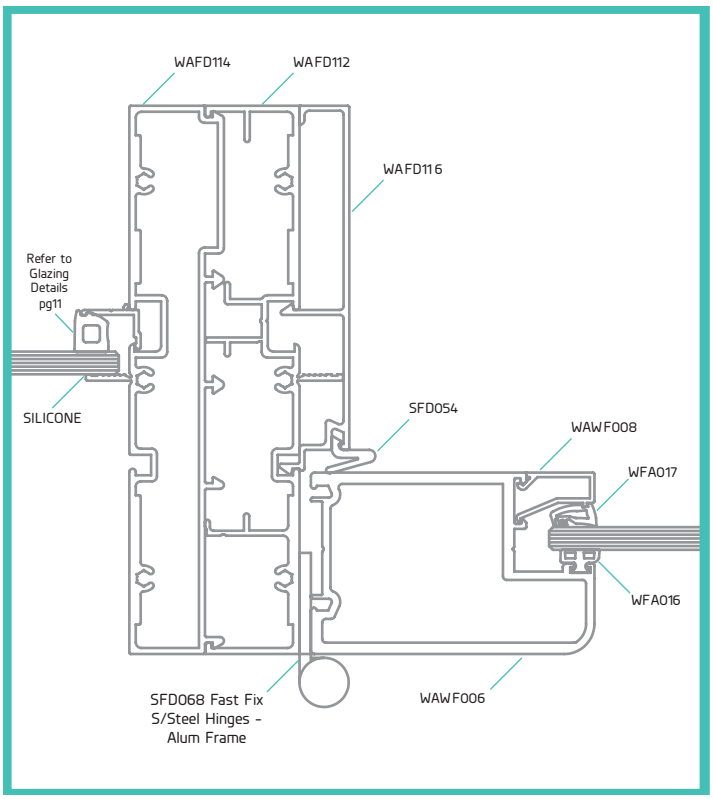

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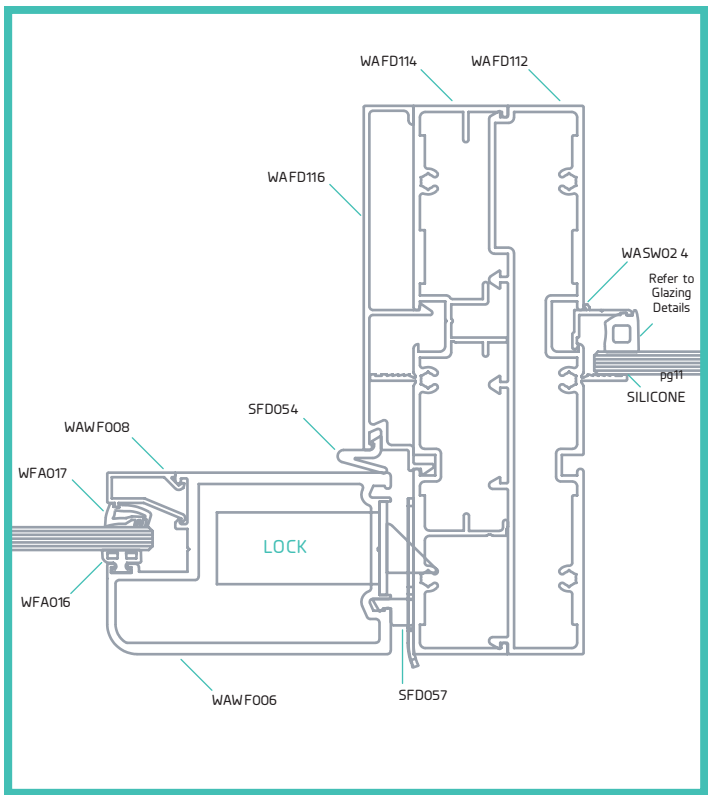
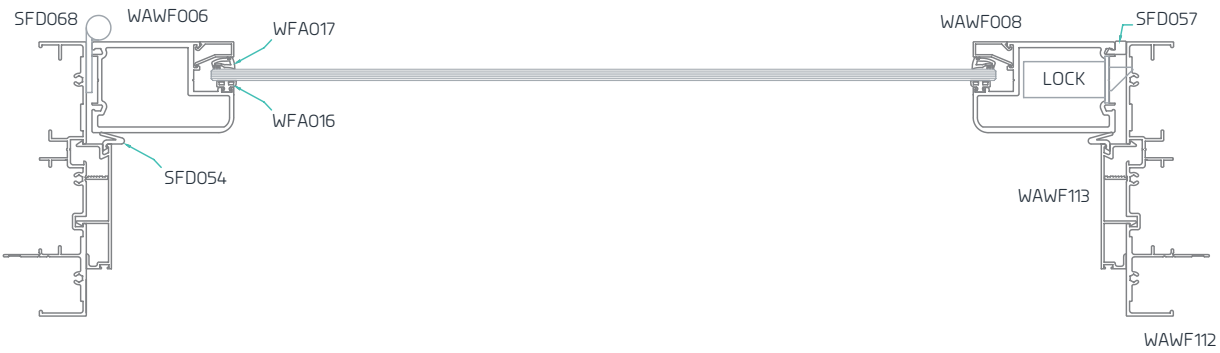


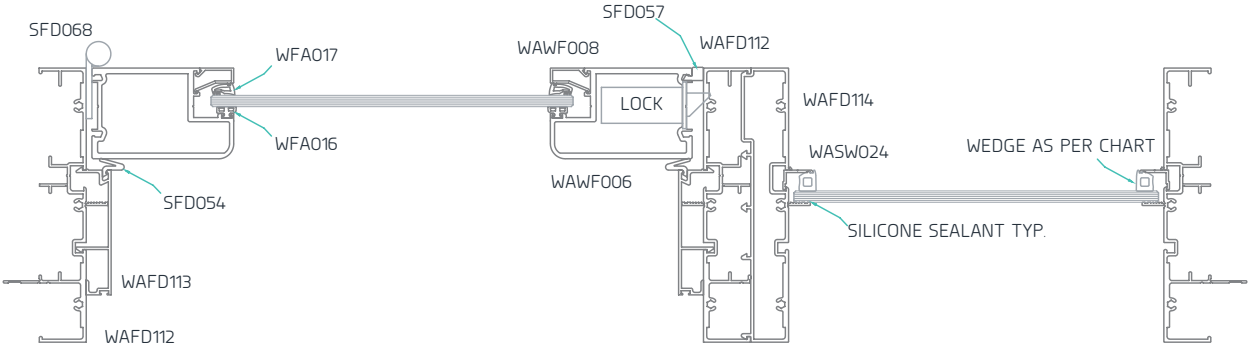
SINGLE GLAZED OPEN IN MITRE CUT SASH FITTED WITH WAWF006, WAWF008 & WASW024

SECTION DD



OUTSIDE

SECTION EE



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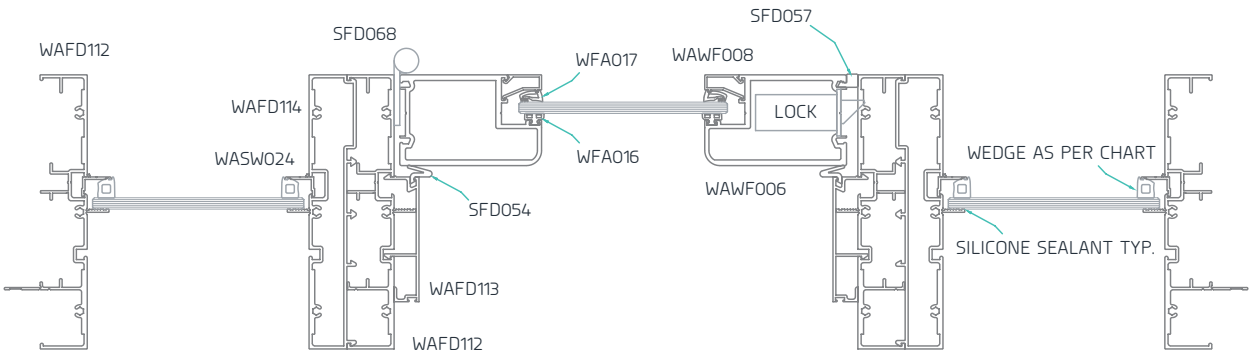
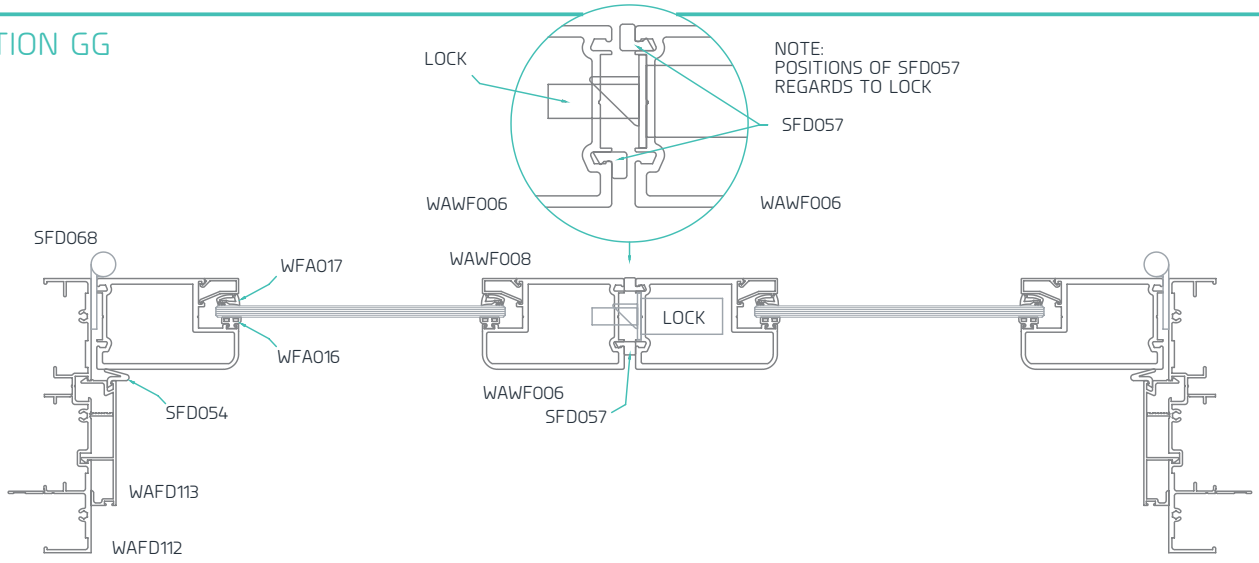


SINGLE GLAZED OPEN IN MITRE CUT SASH FITTED WITH WAWF006, WAWF008 & WASW024

SECTION GG



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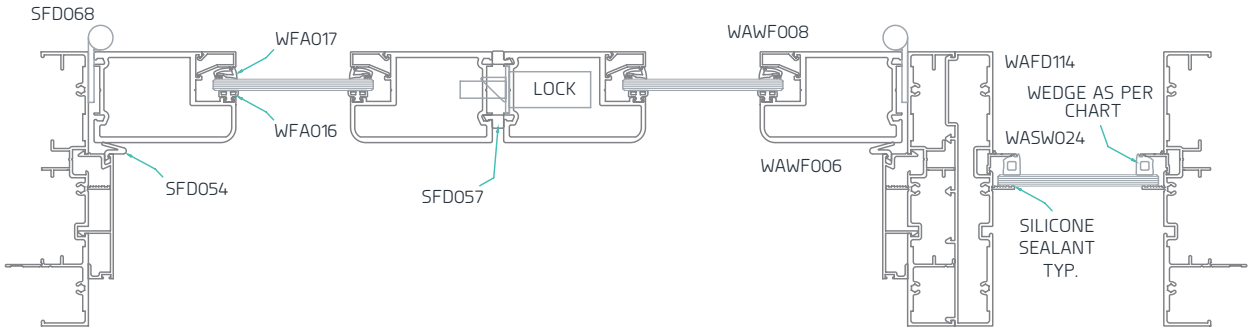

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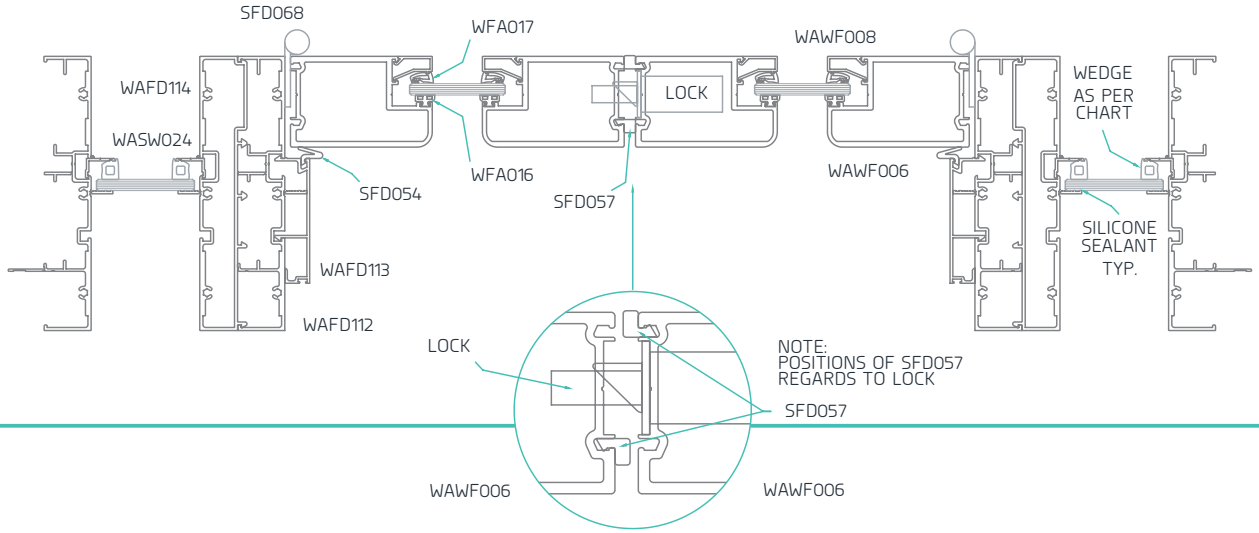
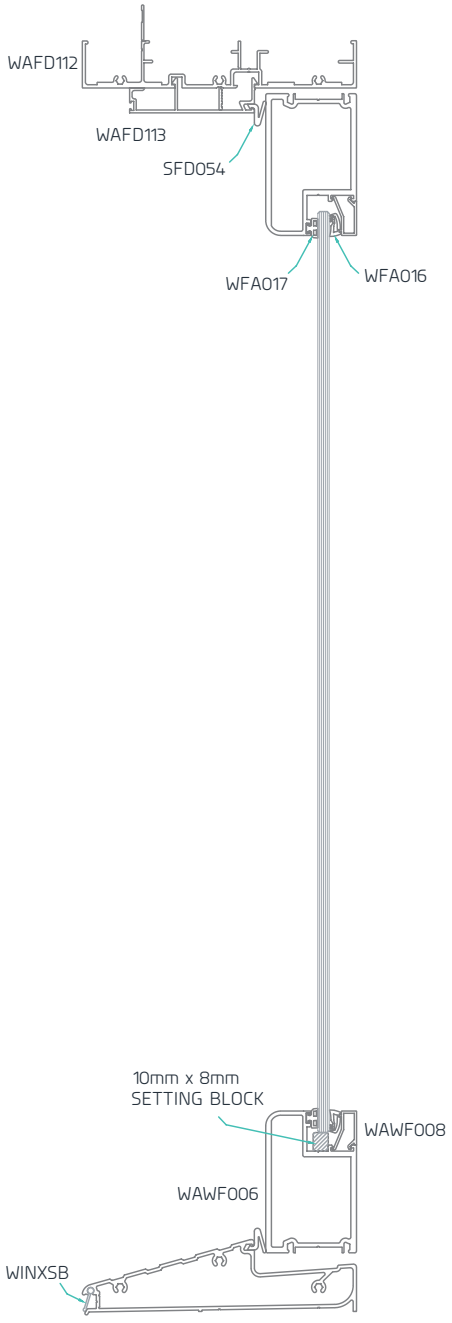


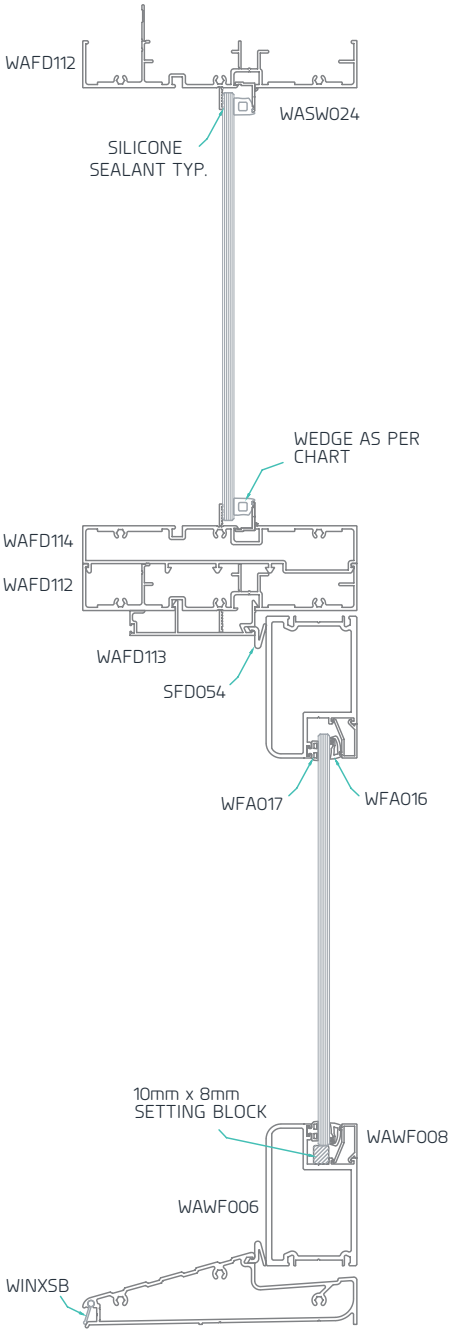
SINGLE GLAZED OPEN IN MITRE CUT SASH FITTED WITH WAWF006, WAWF008 & WASW024

SECTION AA



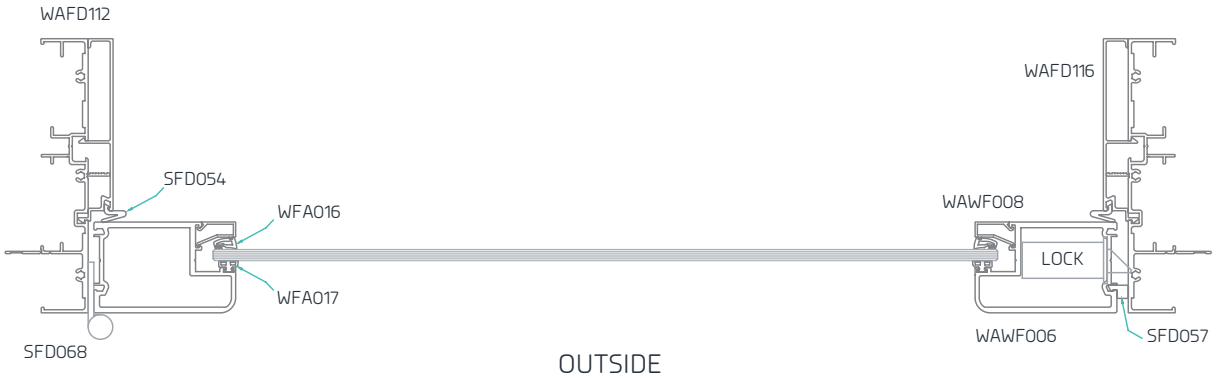
SECTION BB

SECTION CC



SINGLE GLAZED OPEN OUT SQUARE/MITRE CUT SASH FITTED WITH WAWF006, WAWF008 & WASW024

SECTION DD



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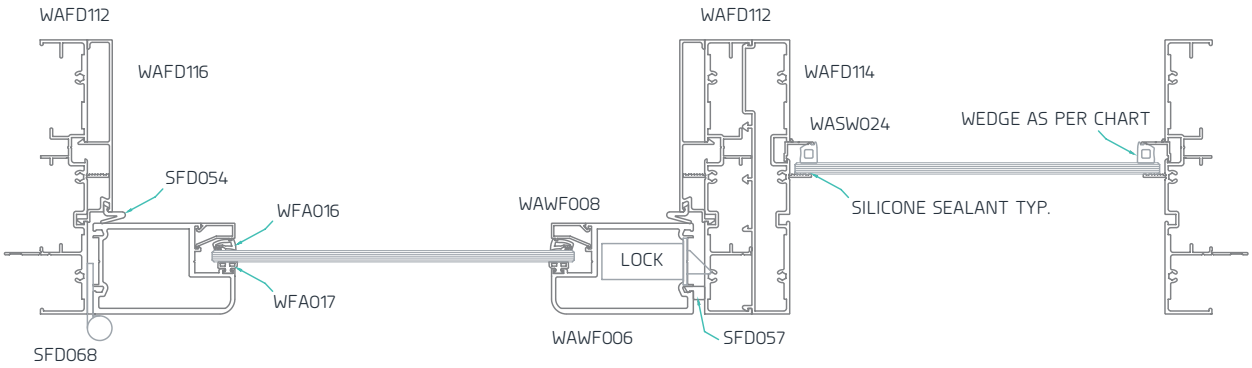

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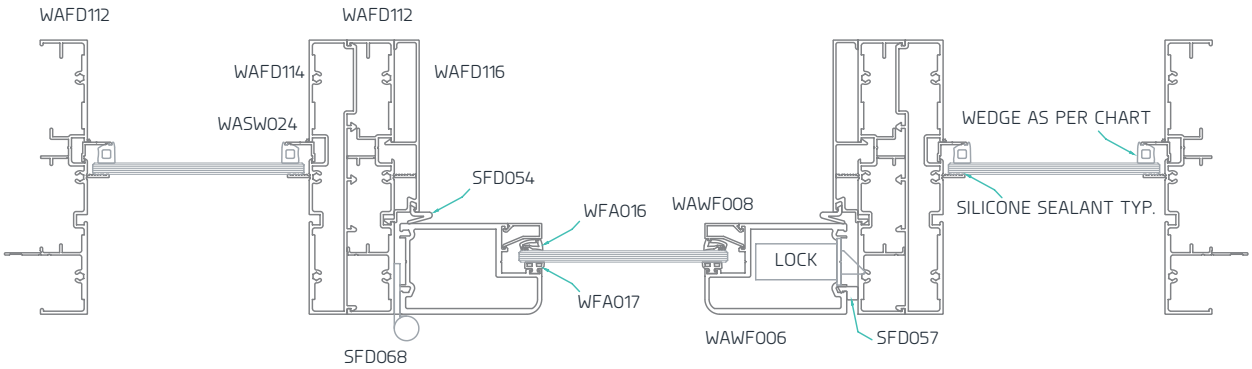
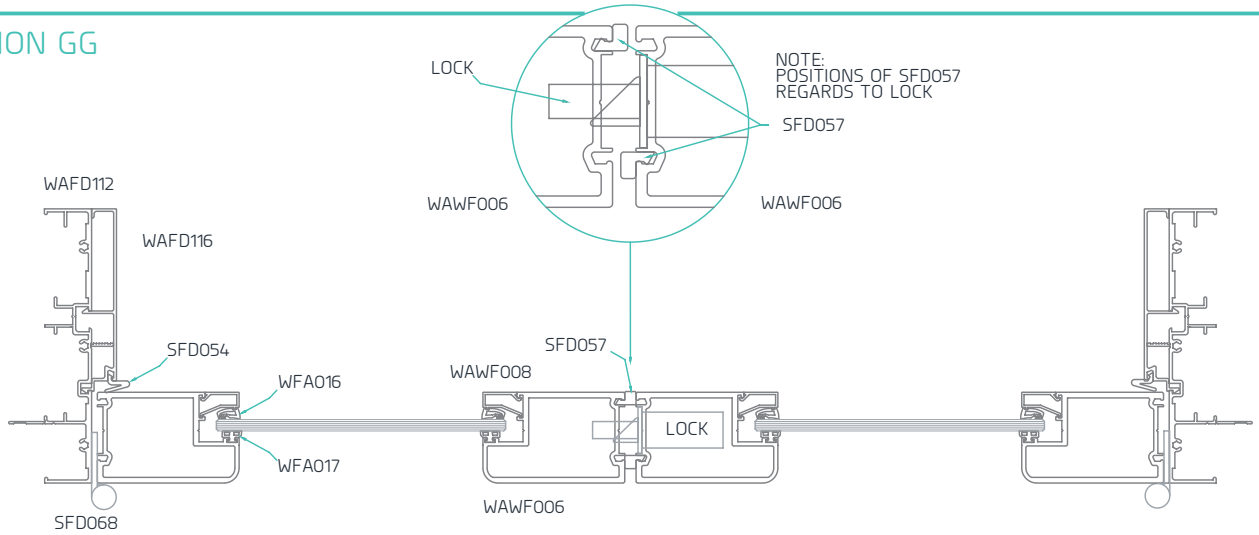


SINGLE GLAZED OPEN OUT SQUARE/MITRE CUT SASH FITTED WITH WAWF006, WAWF008 & WASW024

SECTION GG



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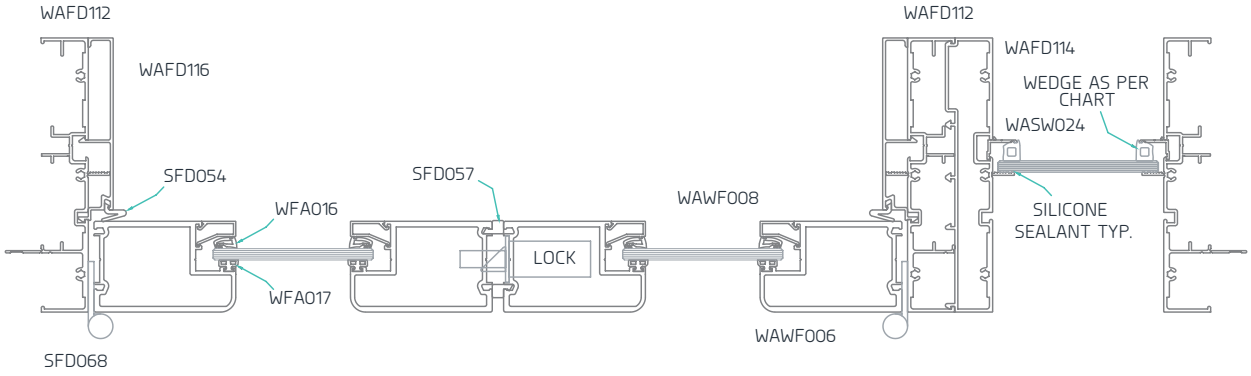

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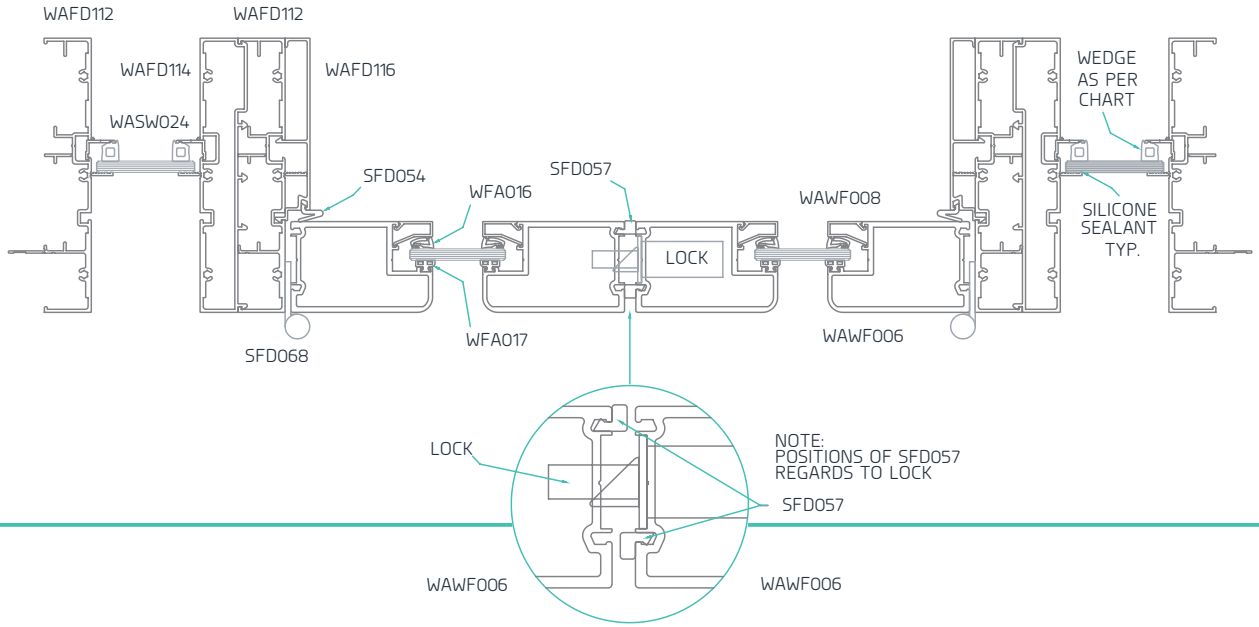
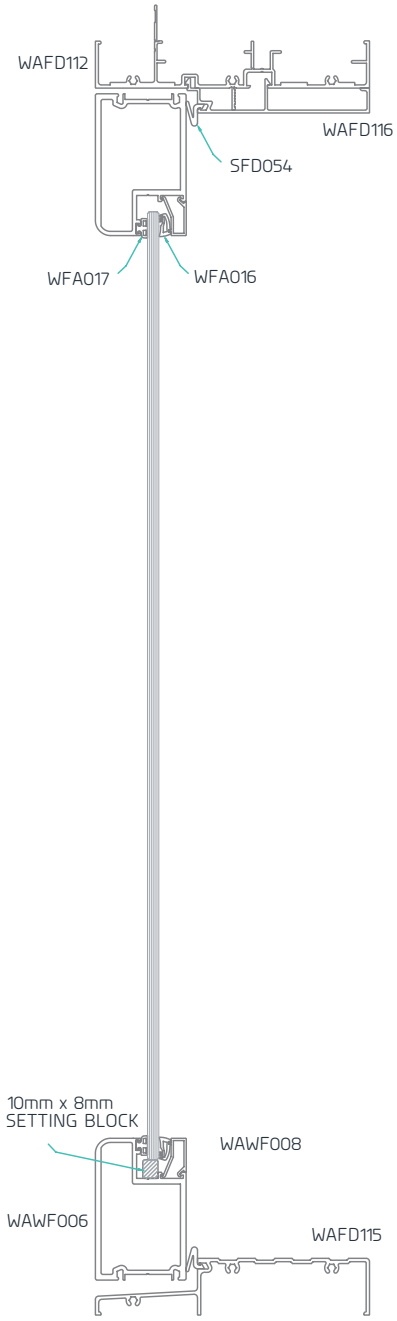


SINGLE GLAZED OPEN OUT SQUARE/MITRE CUT SASH FITTED WITH WAWF006, WAWF008 & WASW024

SECTION AA



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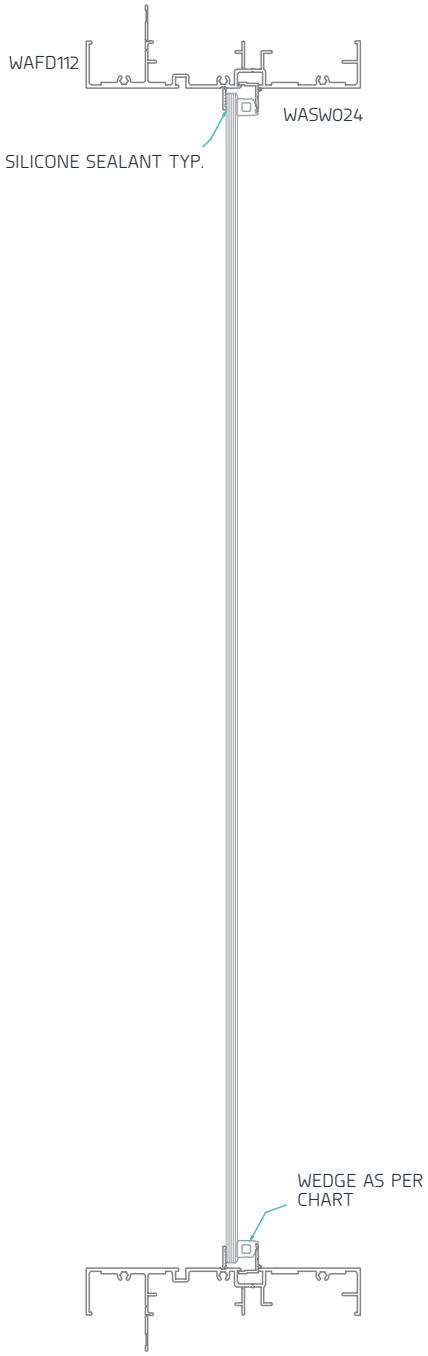

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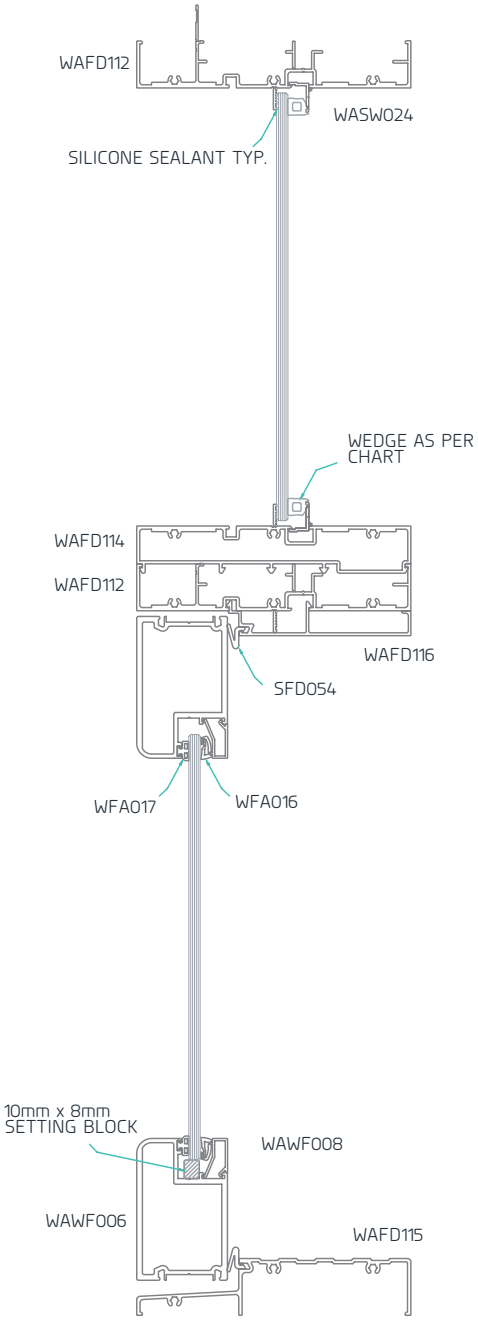
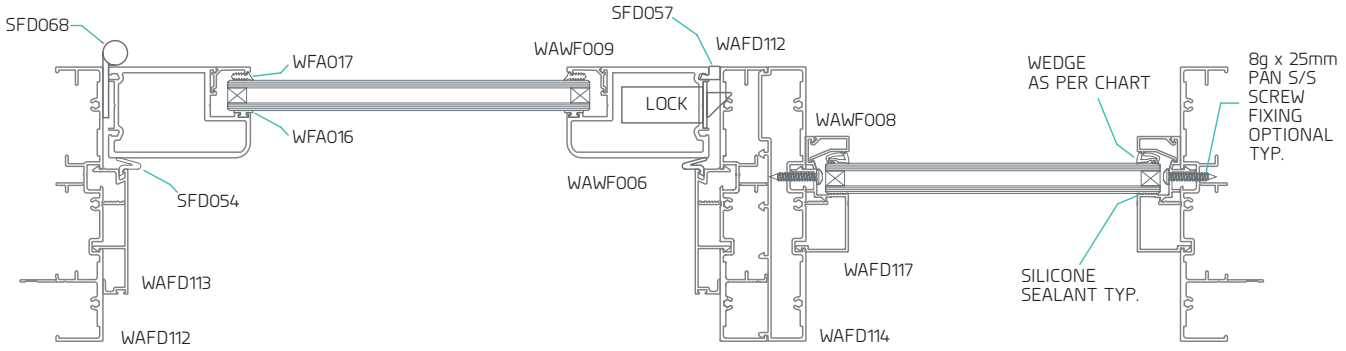


DOUBLE GLAZED 16mm OPEN IN MITRE CUT SASH FITTED WITH WAWF006, WAWF009 & WAFD0117, WAWF008

SECTION DD

OUTSIDE

SECTION EE



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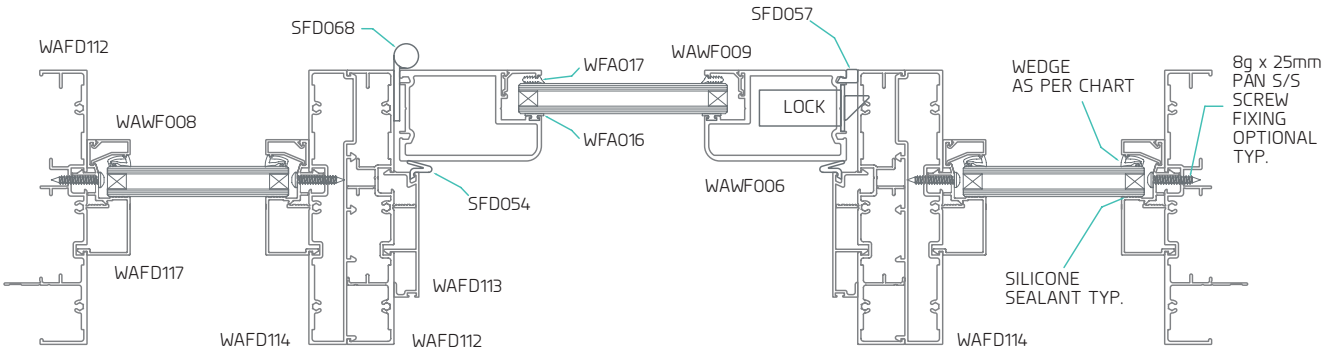
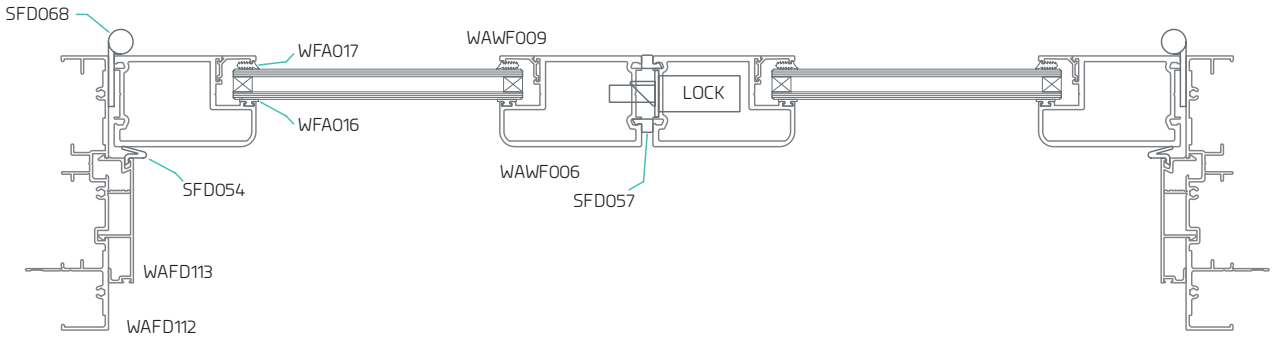


DOUBLE GLAZED 16mm OPEN IN MITRE CUT SASH FITTED WITH WAWF006, WAWF009 & WAFD117, WAWF008

SECTION GG



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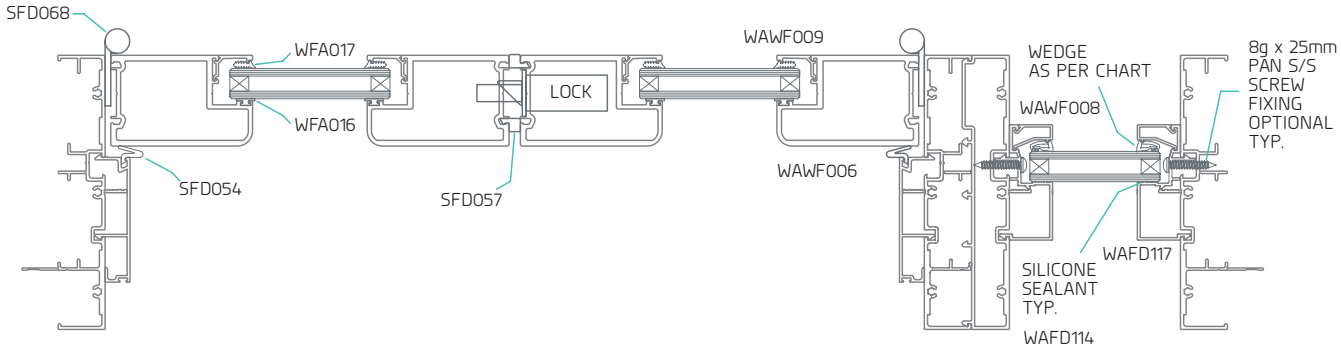

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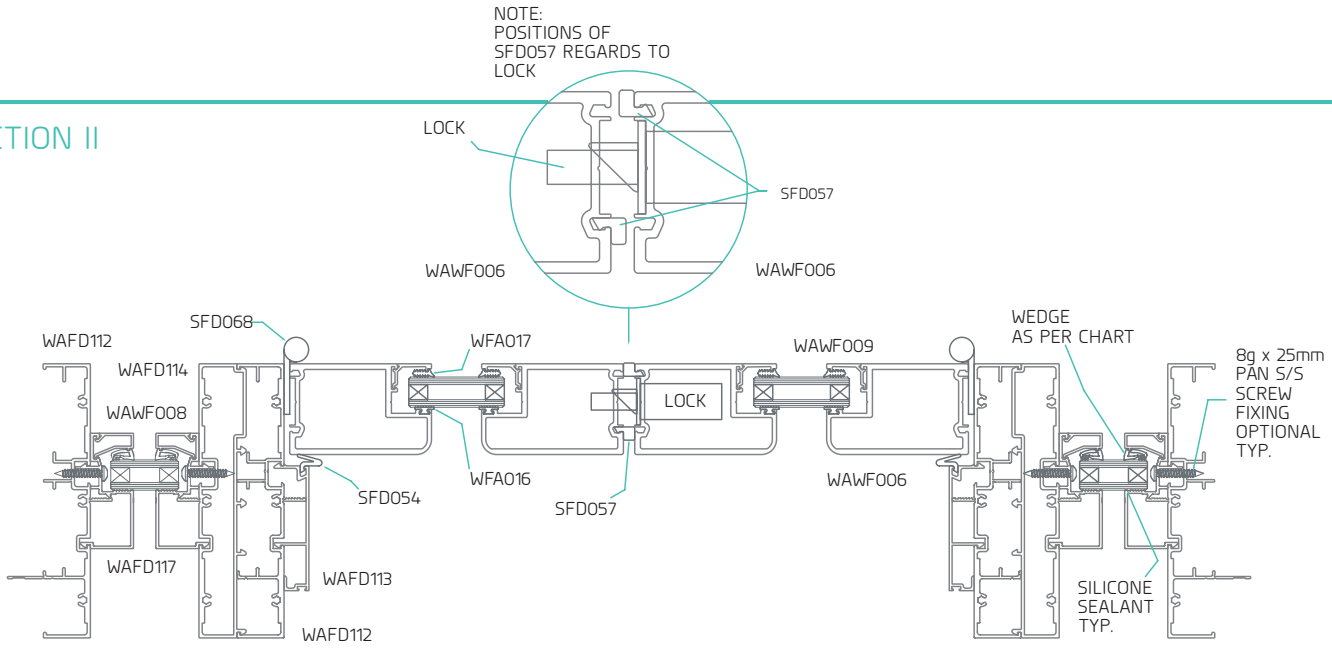
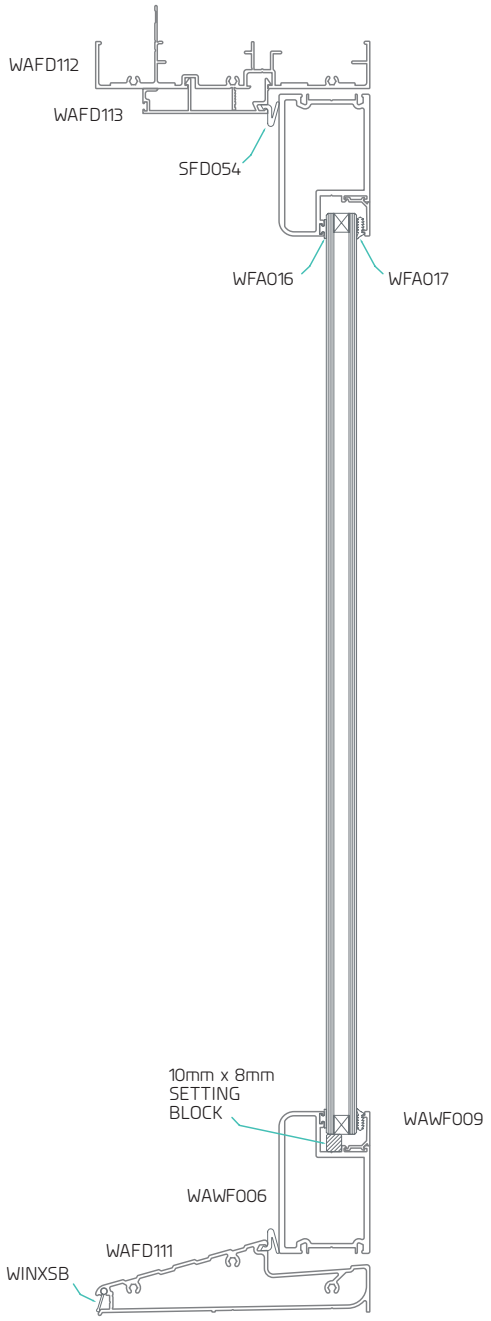
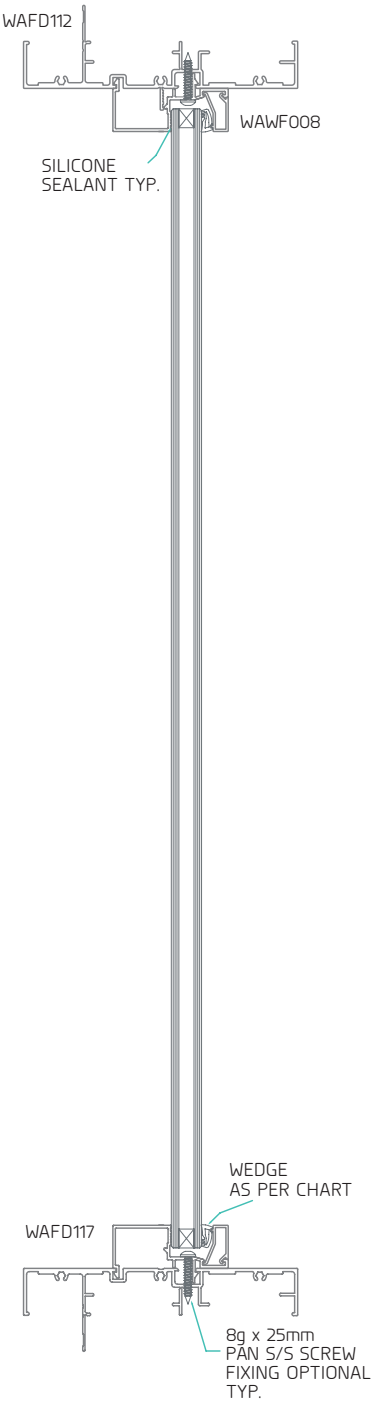


DOUBLE GLAZED 16mm OPEN IN MITRE CUT SASH FITTED WITH WAWF006, WAWF009 & WAFD0117, WAWF008

SECTION AA



SECTION BB



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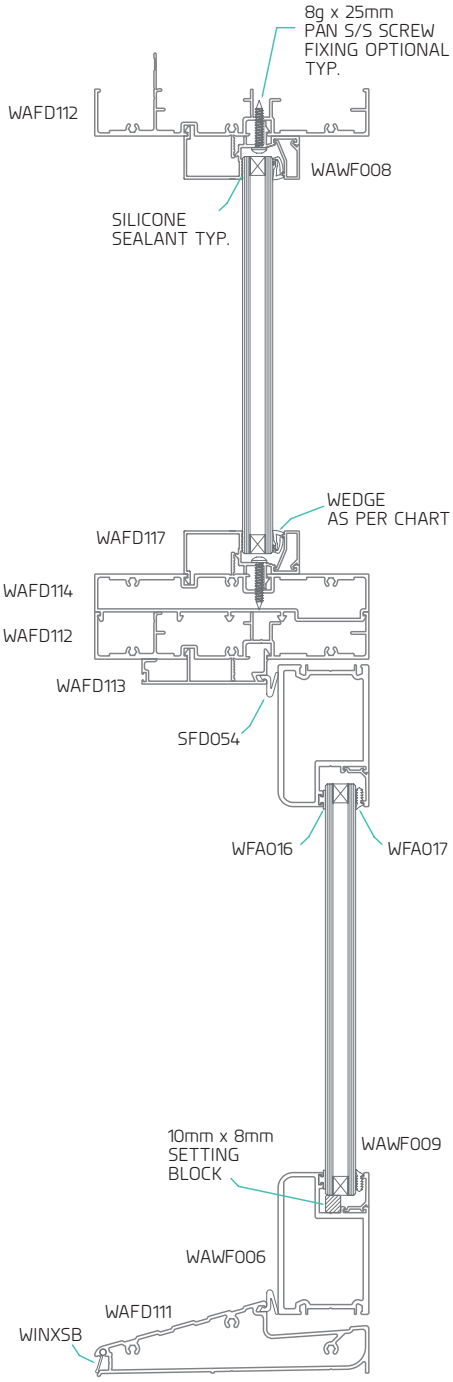
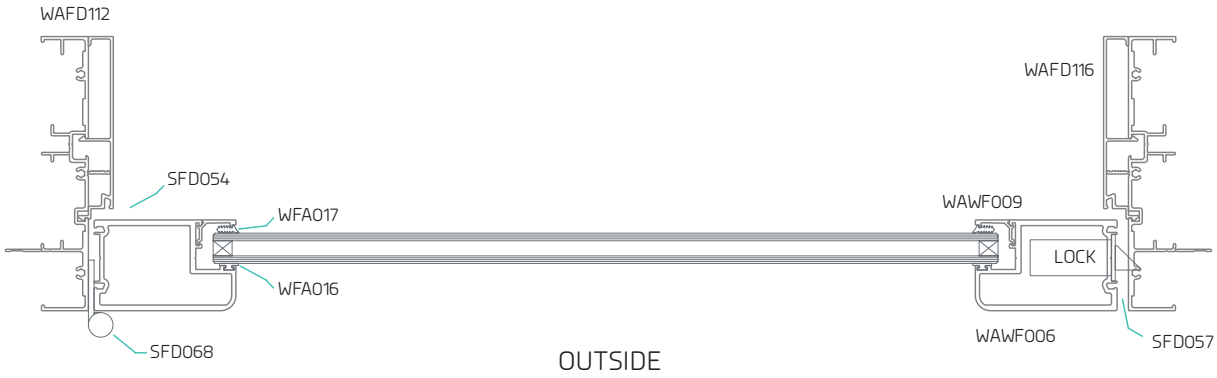


DOUBLE GLAZED 16mm OPEN OUT MITRE CUT SASH FITTED WITH WAWF006, WAWF009 & WAFD117, WAWF008

SECTION DD



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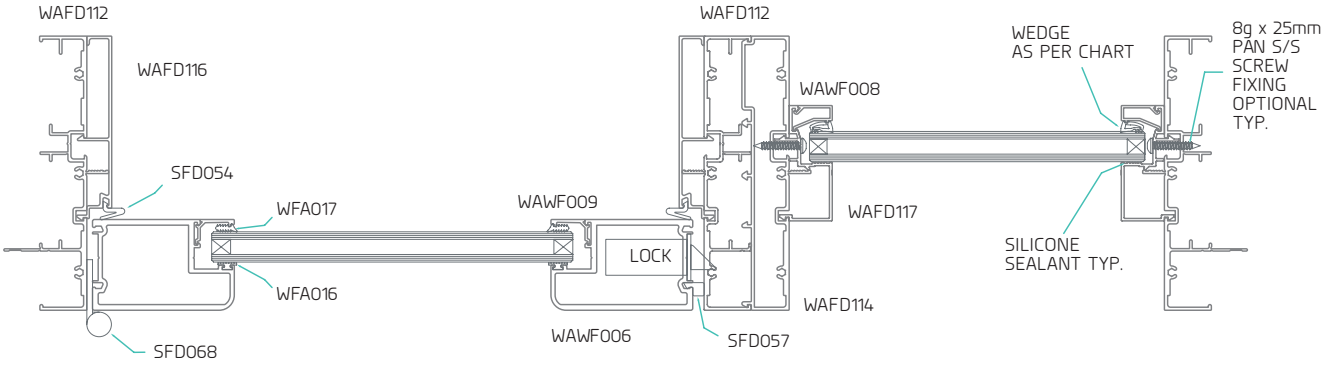

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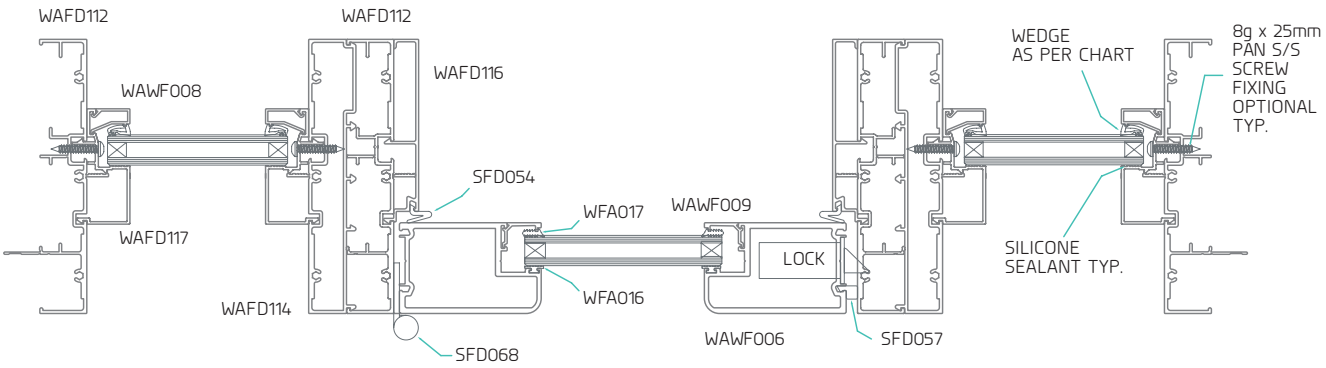
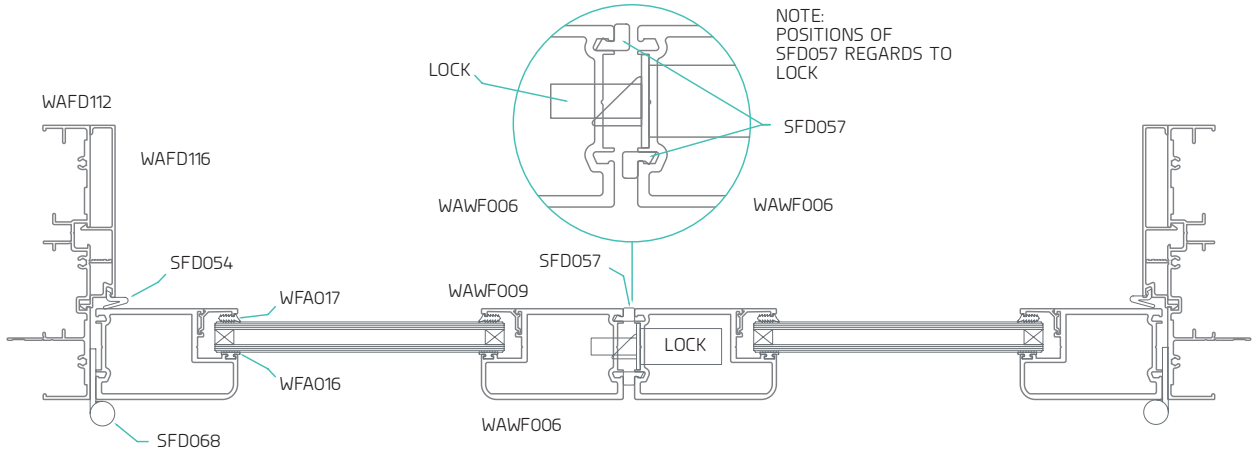


DOUBLE GLAZED 16mm OPEN OUT SQUARE/MITRE CUT SASH FITTED WITH WAWF006, WAWF009 & WAFD0117, WAWF008

SECTION GG



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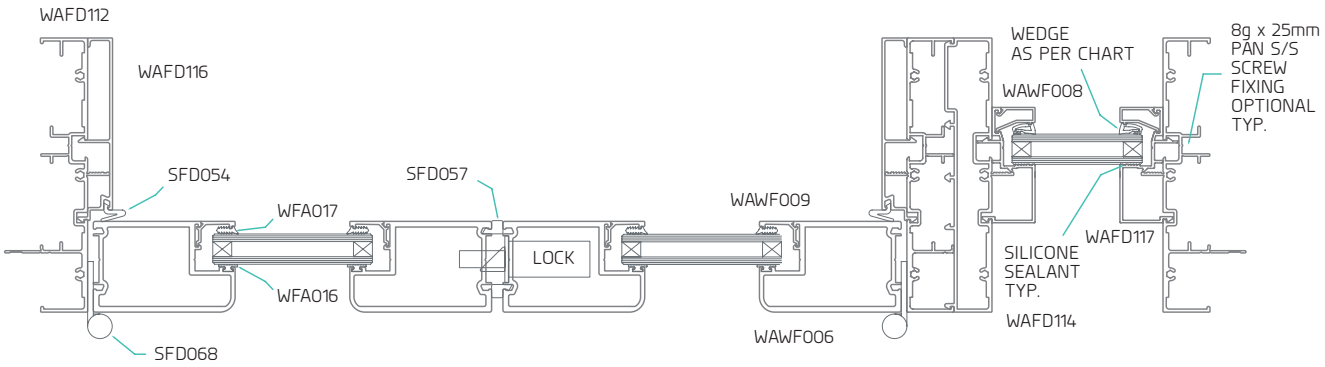

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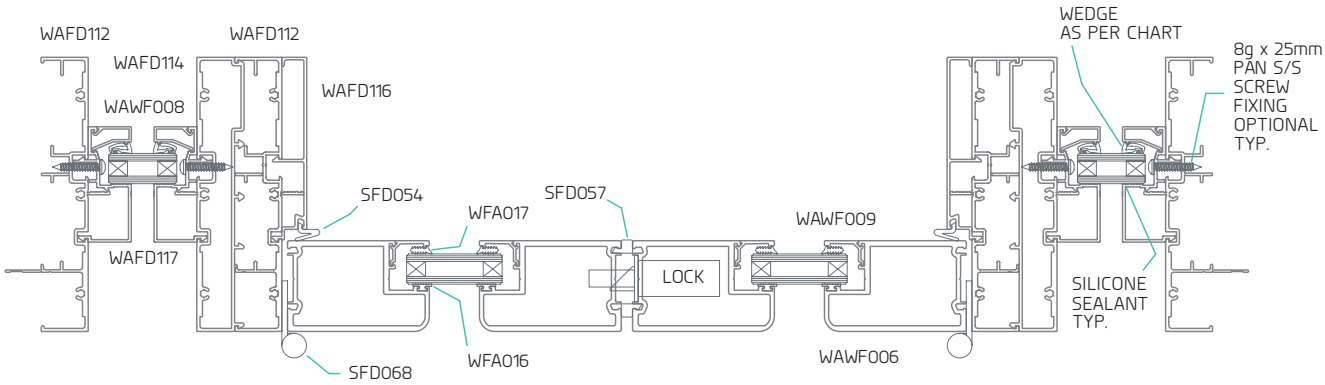
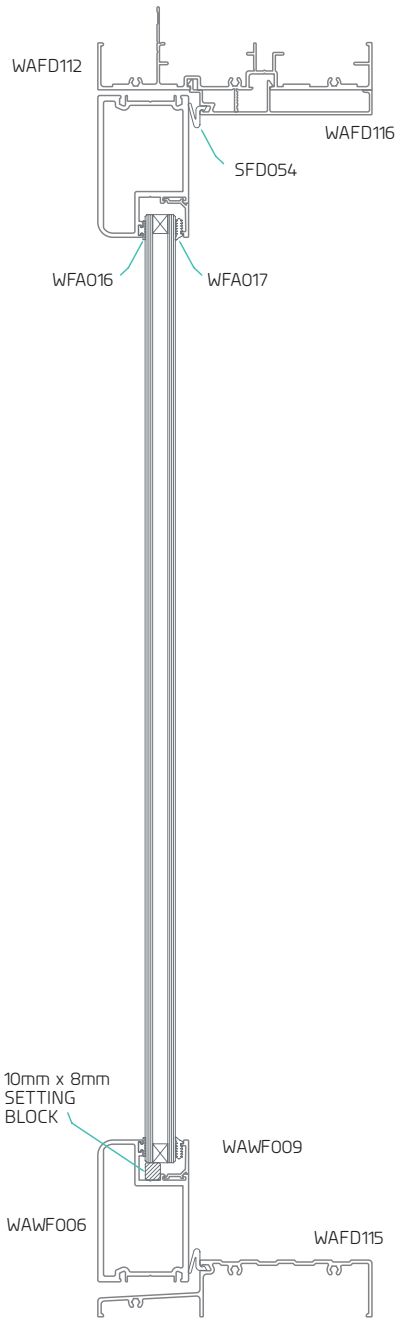
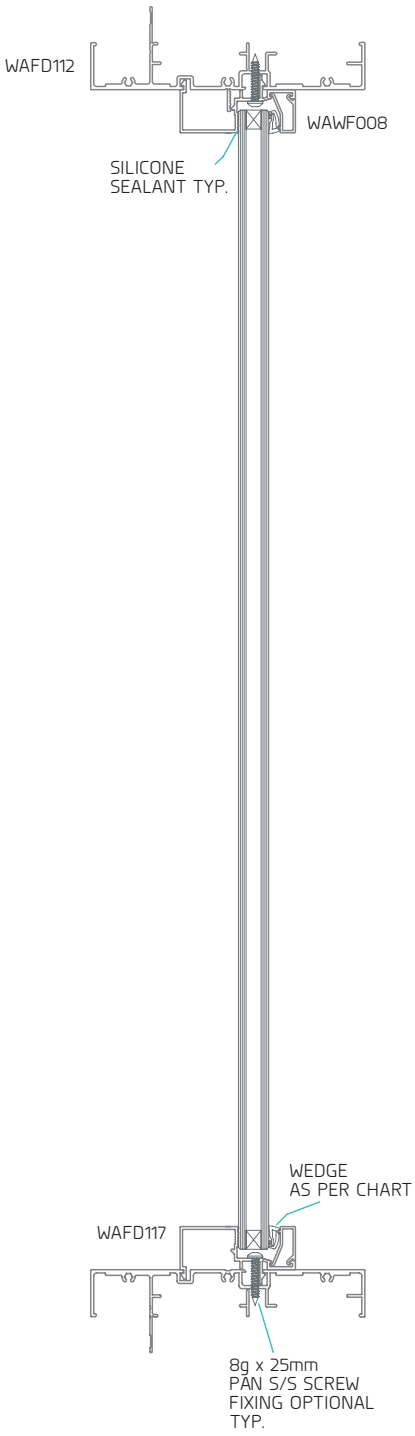


DOUBLE GLAZED 16mm OPEN OUT SQUARE/MITRE CUT SASH FITTED WITH WAWF006, WAWF009 & WAFD117, WAWF008

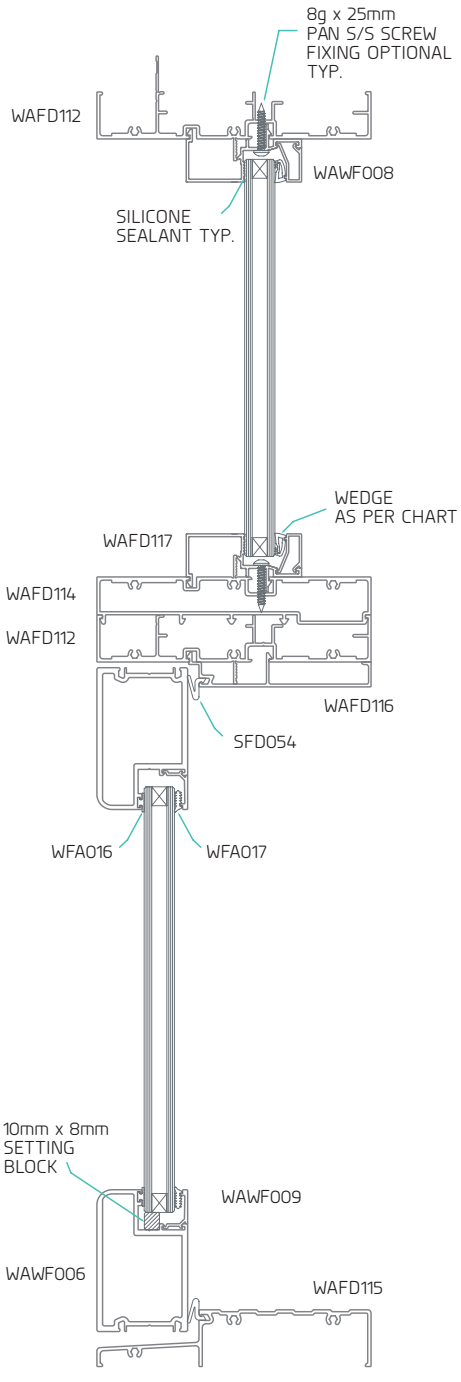
SECTION AA



SECTION BB

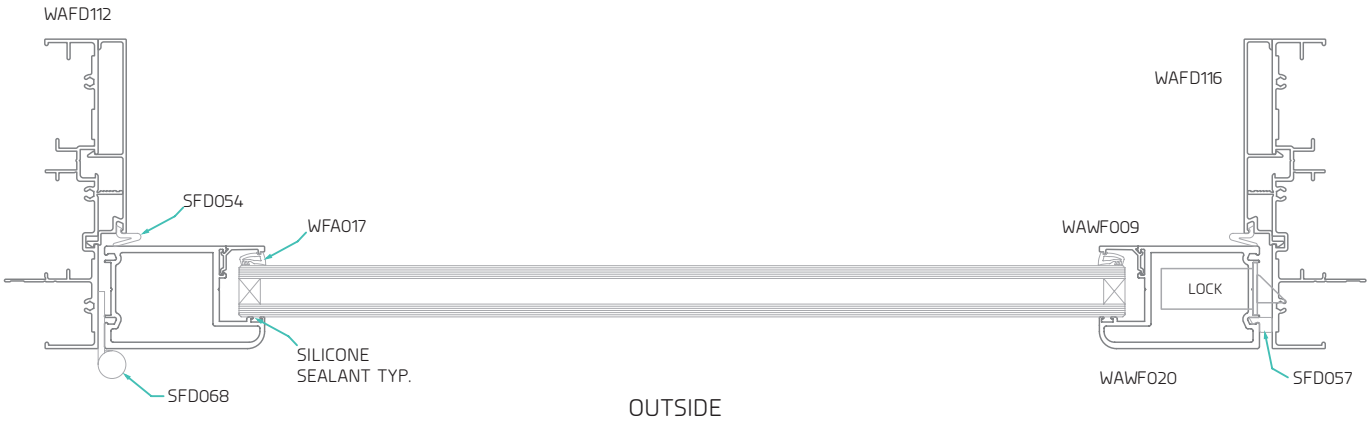


SECTION CC

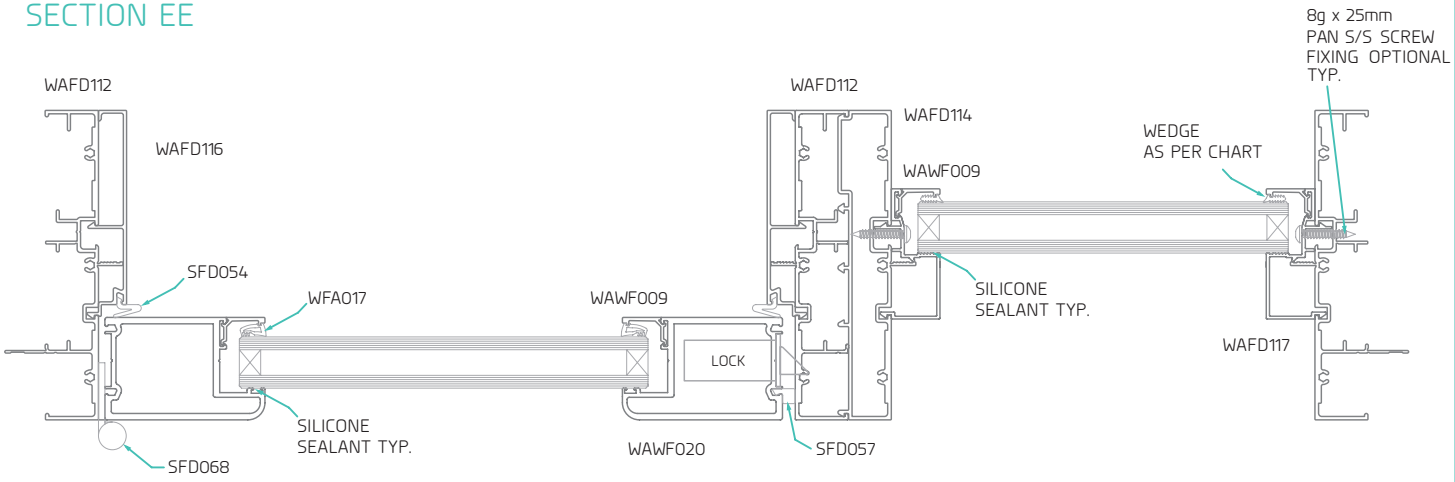


DOUBLE GLAZED 24mm OPEN OUT MITRE CUT SASH FITTED WITH WAWF020, WAWF009 & WAFD117, WAWF009

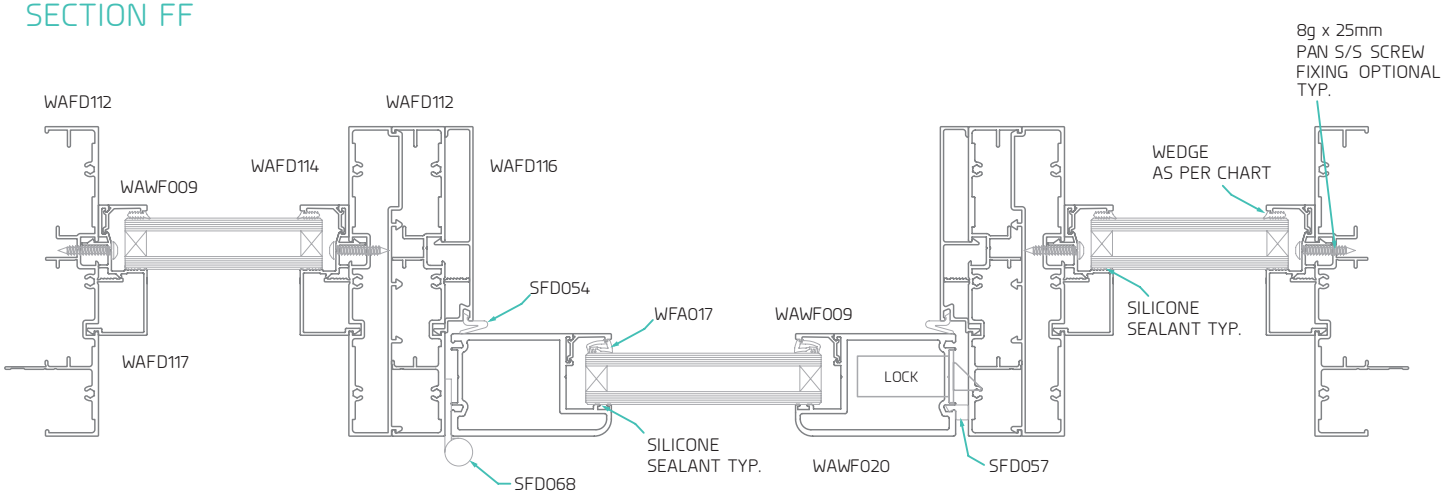
SECTION DD



SECTION EE

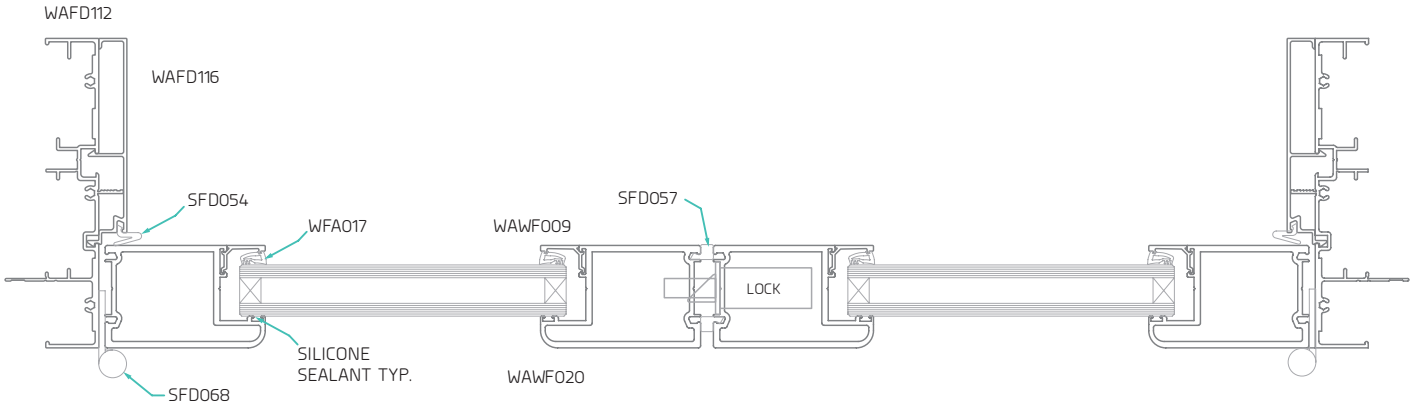


SECTION FF

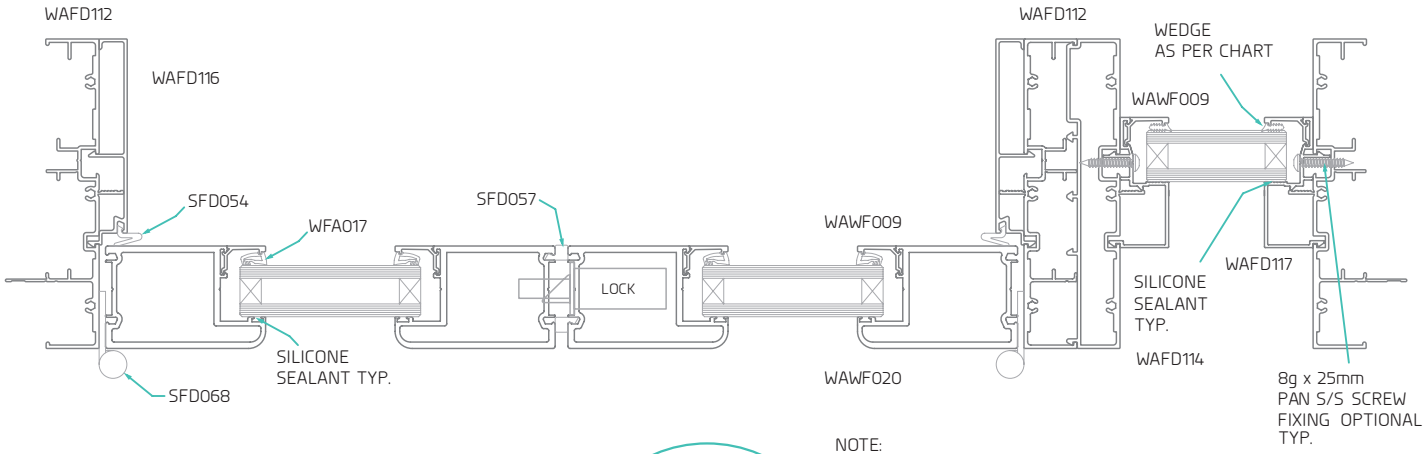


DOUBLE GLAZED 24mm OPEN OUT MITRE CUT SASH FITTED WITH WAWF020, WAWF009 & WAFD117, WAWF009

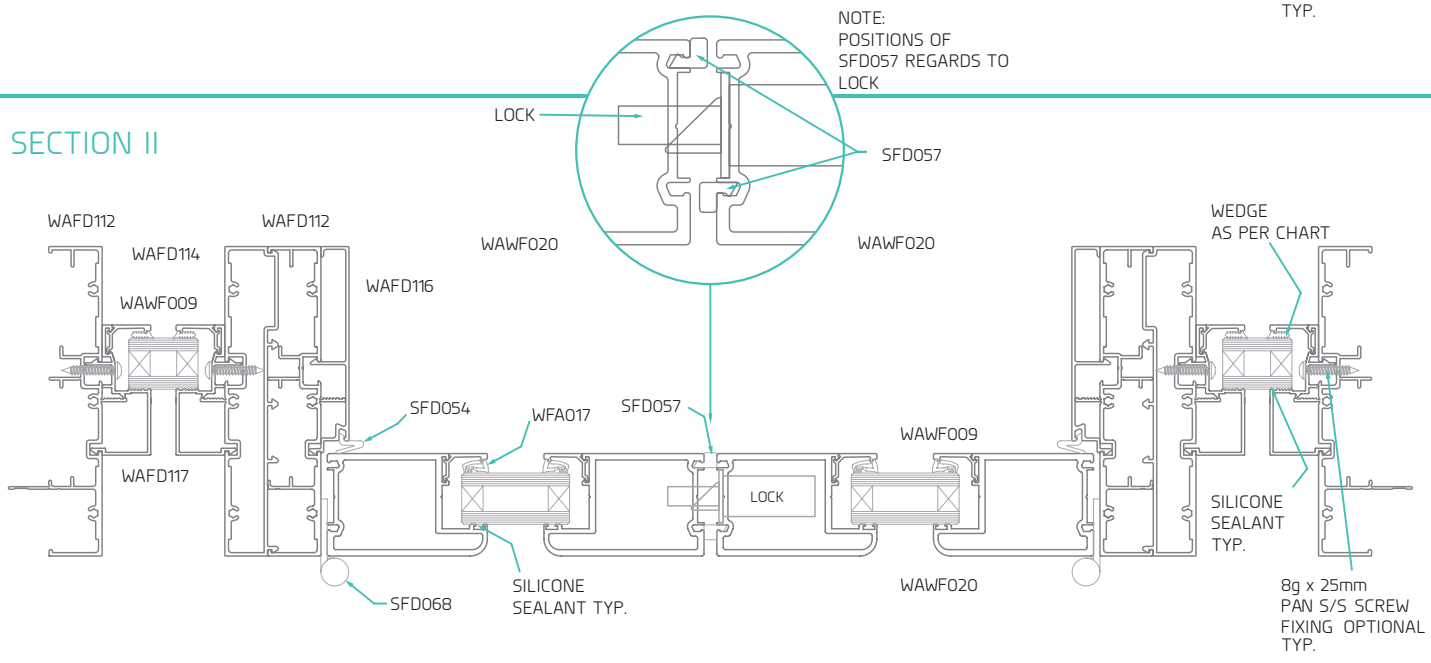
SECTION GG



SECTION HH

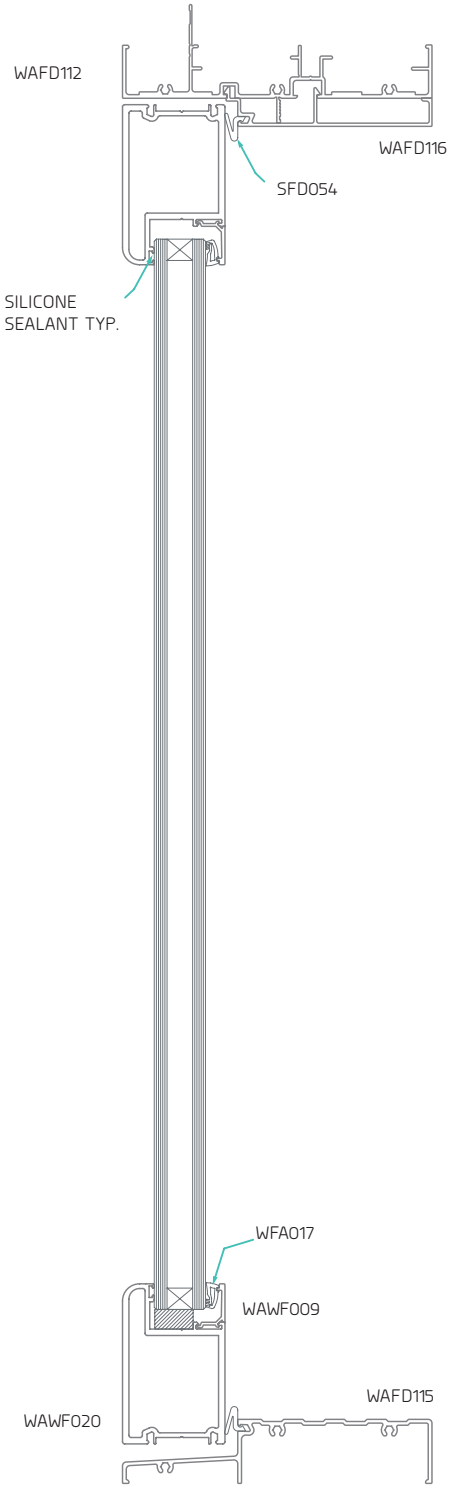


SECTION II

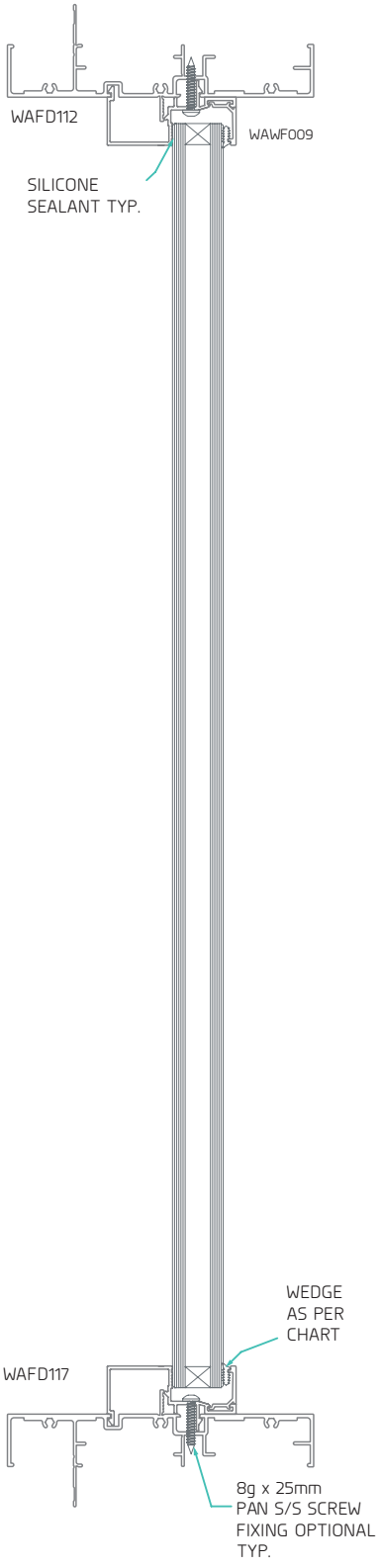


DOUBLE GLAZED 24mm OPEN OUT MITRE CUT SASH FITTED WITH WAWF020, WAWF009 & WAFD117, WAWF009

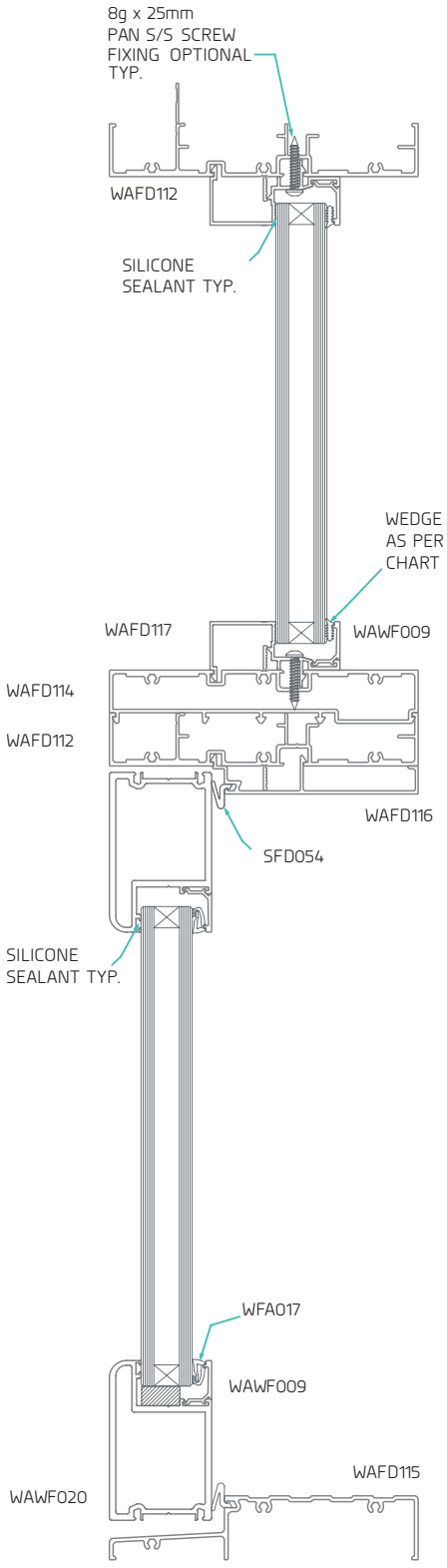
SECTION AA



SECTION BB



SECTION CC

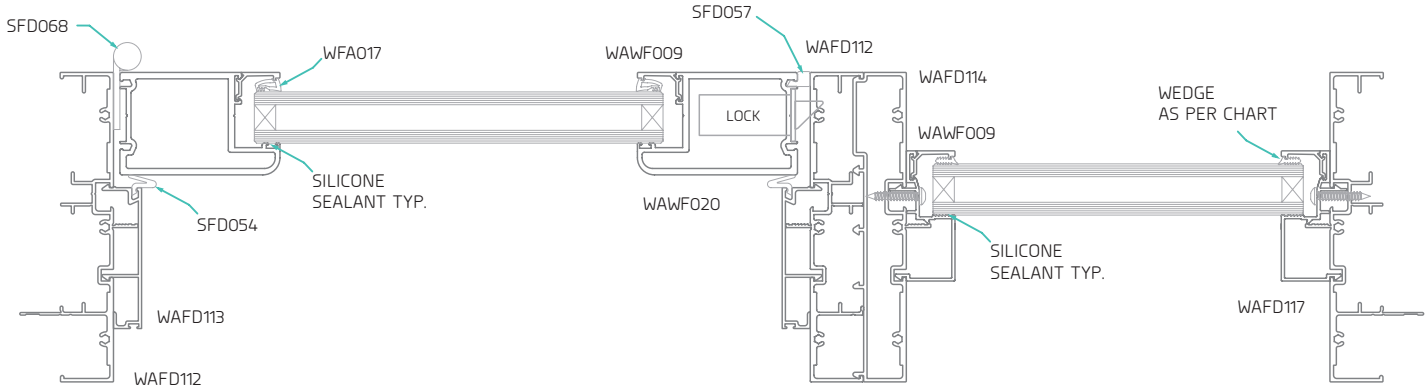


DOUBLE GLAZED 24mm OPEN IN MITRE CUT SASH FITTED WITH WAWF020, WAWF009 & WAFD117, WAWF009

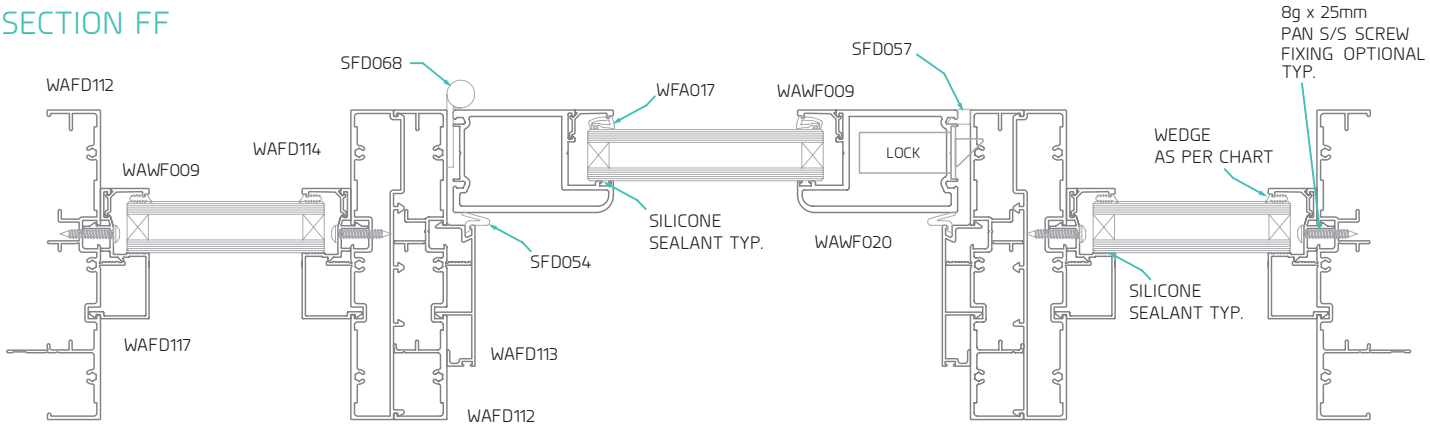
SECTION DD

OUTSIDE

SECTION EE

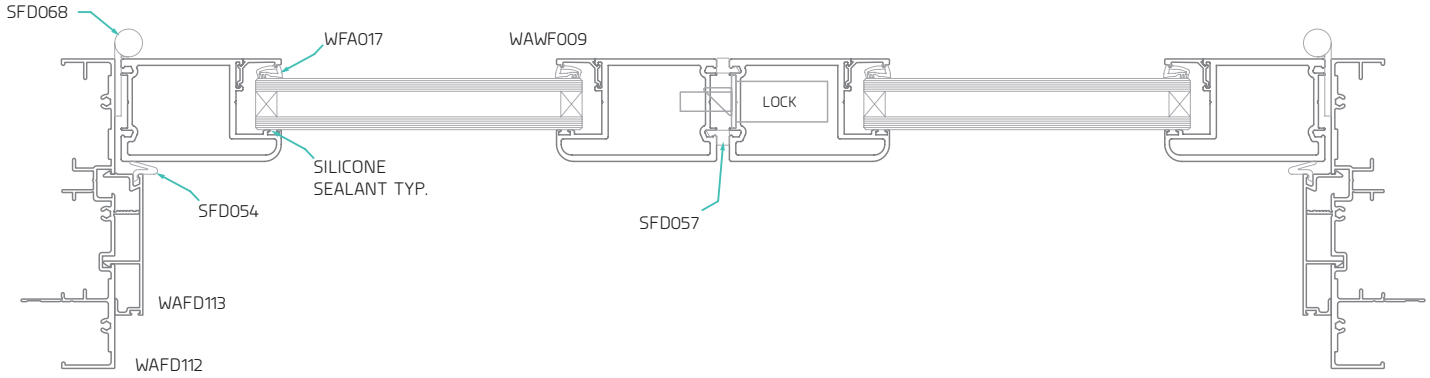


SECTION FF

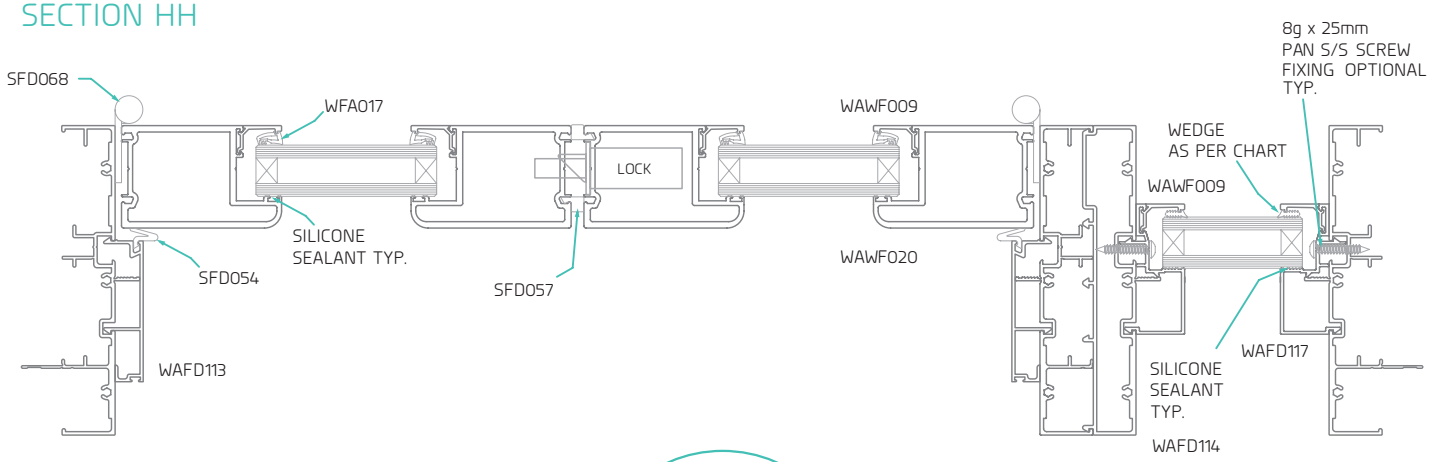


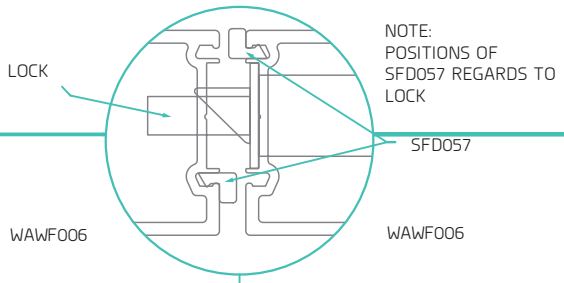
DOUBLE GLAZED 24mm OPEN IN MITRE CUT SASH FITTED WITH WAWF020, WAWF009 & WAFD117, WAWF009

SECTION GG

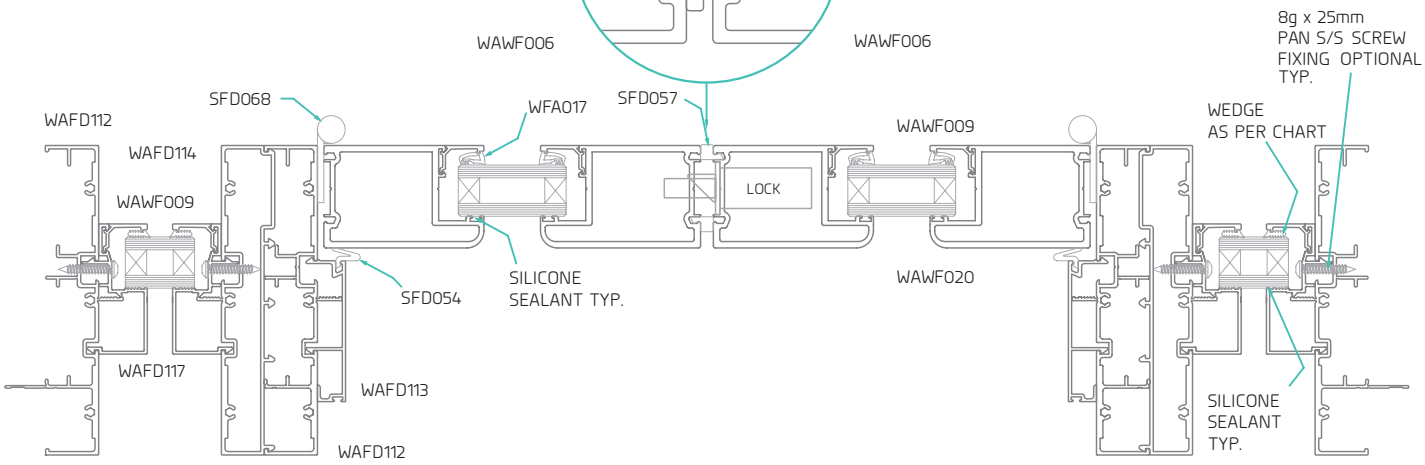


SECTION HH



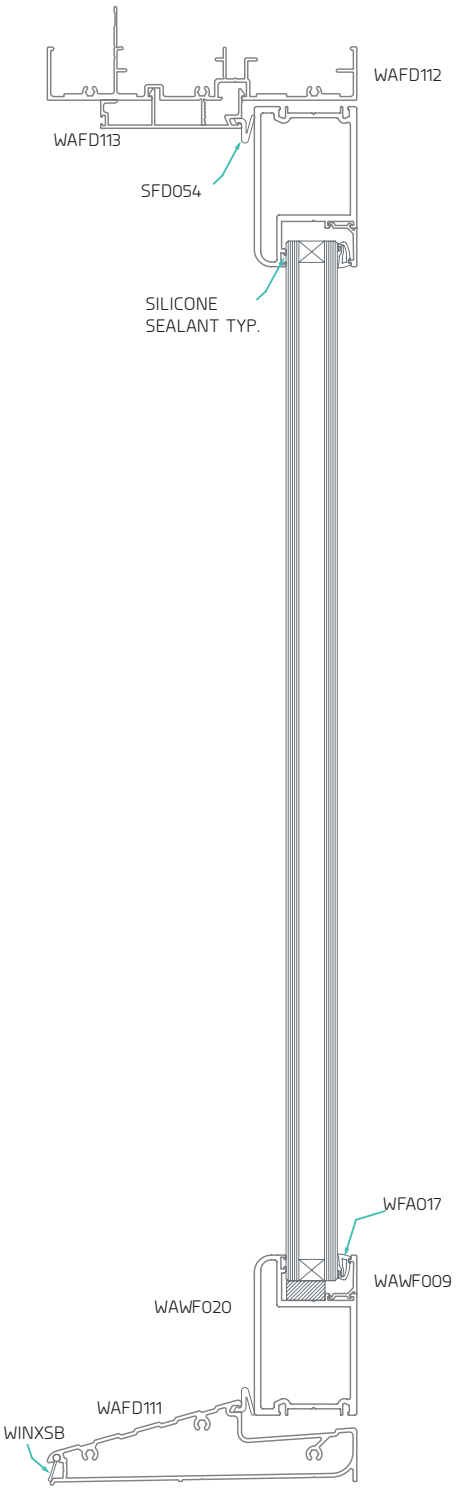


SECTION II

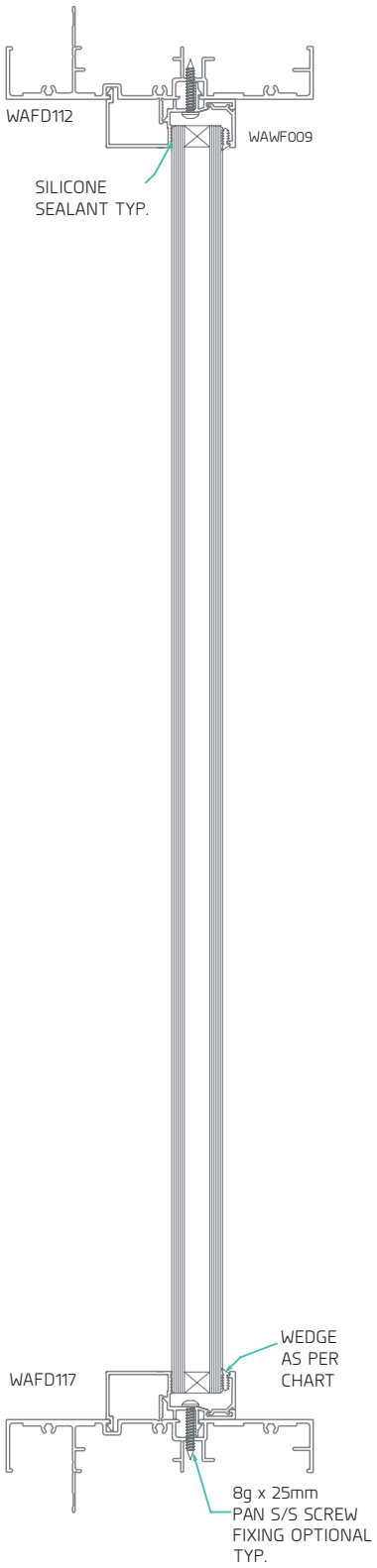


DOUBLE GLAZED 24mm OPEN IN MITRE CUT SASH FITTED WITH WAWF020, WAWF009 & WAFD117, WAWF009

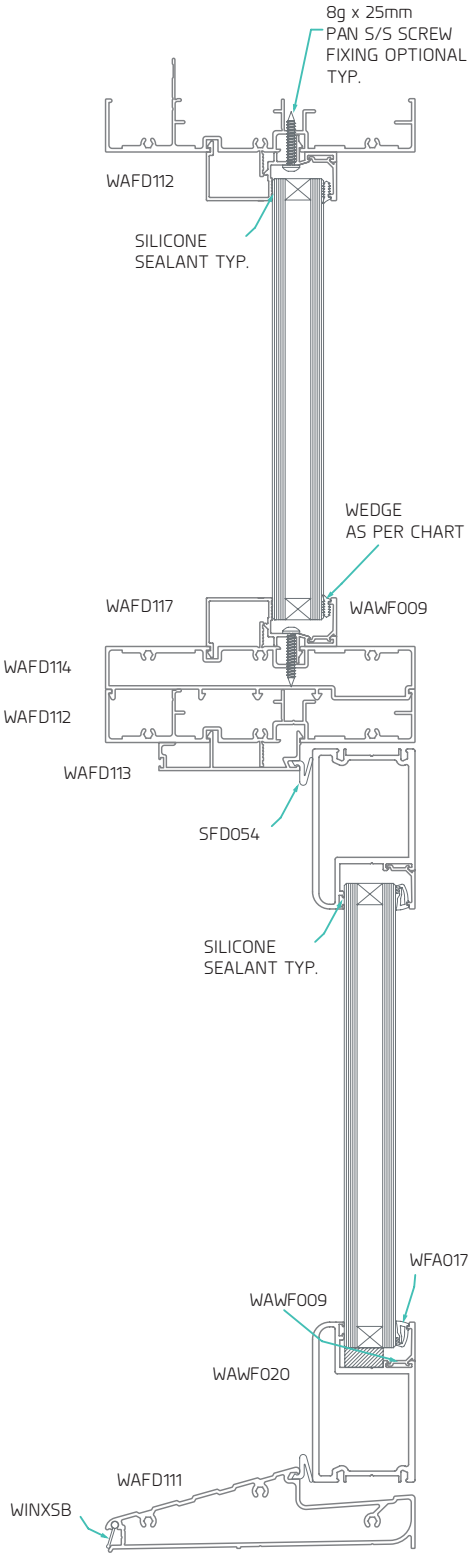
SECTION AA



SECTION BB



SECTION CC



4MM - 10MM SINGLE GLAZED GLASS

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD111	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD (SQ PR)	WAFD113	H-58	2	H-58	2	H-58	2
HORZ STOP BEAD (SQ PR)	WAFD113	W-50	1	DW-50	1	DW-50	1
VERT GLAZING BEAD	WASW024	N/A	-	H-76	2	H-76	4
HORZ GLAZING BEAD	WASW024	N/A	-	W-DW-45	2	((W-DW)/2)-45	4
STILE (MIT)	WAWF006	H-59	2	H-59	2	H-59	2
RAILS (MIT)	WAWF006	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD	WAWF008	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF008	H-209	2	H-209	2	H-209	2
DOOR GLASS HEIGHT	-	H-185	1	H-185	1	H-185	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-56	1	H-56	2
FIXED GLASS WIDTH	-	N/A		W-DW-51		((W-DW)/2)-51	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ PR =SQUARE CUT TO LONG POINT IN PAIRS | SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-58	2	H-58	2	H-58	2	H-58	2	DH-58	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-71	2	N/A	-	H-76	2	H-76	4	H-71	2
W-50	2	N/A	-	W-DW-45	2	((W-DW)/2)-45	4	W-50	2
DH-59	2	H-59	4	H-59	4	H-59	4	DH-59	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-209	2	H-209	4	H-209	4	H-209	4	DH-209	4
DH-185	1	H-185	2	H-185	2	H-185	2	DH-185	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-51	1	N/A	-	H-56	1	H-56	2	H-DH-51	1
W-56		N/A		W-DW-51		((W-DW)/2)-51		W-56	

12MM SINGLE GLAZED GLASS

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD111	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD (SQ PR)	WAFD113	H-58	2	H-58	2	H-58	2
HORZ STOP BEAD (SQ PR)	WAFD113	W-50	1	DW-50	1	DW-50	1
VERT GLAZING BEAD	WASW024	N/A	-	H-76	2	H-76	4
HORZ GLAZING BEAD	WASW024	N/A	-	W-DW-45	2	((W-DW)/2)-45	4
STILE (MIT)	WAWF006	H-59	2	H-59	2	H-59	2
RAILS (MIT)	WAWF006	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD	WAWF008	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF008	H-209	2	H-209	2	H-209	2
DOOR GLASS HEIGHT	-	H-185	1	H-185	1	H-185	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-56	1	H-56	2
FIXED GLASS WIDTH	-	N/A		W-DW-51		((W-DW)/2)-51	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ PR = SQUARE CUT TO LONG POINT IN PAIRS | SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-58	2	H-58	2	H-58	2	H-58	2	DH-58	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-71	2	N/A	-	H-76	2	H-76	4	H-71	2
W-50	2	N/A	-	W-DW-45	2	((W-DW)/2)-45	4	W-50	2
DH-59	2	H-59	4	H-59	4	H-59	4	DH-59	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-209	2	H-209	4	H-209	4	H-209	4	DH-209	4
DH-185	1	H-185	2	H-185	2	H-185	2	DH-185	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-51	1	N/A	-	H-56	1	H-56	2	H-DH-51	1
W-56		N/A		W-DW-51		((W-DW)/2)-51		W-56	

16MM IGU

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD (SQ PR)	WAFD113	H-58	2	H-58	2	H-58	2
HORZ STOP BEAD (SQ PR)	WAFD113	W-50	1	DW-50	1	DW-50	1
VERT D/G ADAPTOR (MIT)	WAFD117	N/A		H-34	2	H-34	4
HORZ D/G ADAPTOR (MIT)	WAFD117	N/A		W-DW-29	2	((W-DW)/2)-29	4
VERT ADAPTOR BEAD (SQ)	WAWF008	N/A	-	H-96	2	H-96	2
HORZ ADAPTOR BEAD (SQ)	WAWF008	N/A	-	W-DW-55	2	((W-DW)/2)-55	2
STILE (MIT)	WAWF006	H-59	2	H-59	2	H-59	2
RAILS (MIT)	WAWF006	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD	WAWF009	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF009	H-209	2	H-209	2	H-209	2
DOOR GLASS HEIGHT	-	H-185	1	H-185	1	H-185	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A		H-72	1	H-72	2
FIXED GLASS WIDTH	-	N/A		W-DW-67		((W-DW)/2)-67	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ PR = SQUARE CUT TO LONG POINT IN PAIRS | SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-58	2	H-58	2	H-58	2	H-58	2	DH-58	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-DH-29	2	N/A	-	H-34	2	H-34	4	H-DH-29	2
W-34	2	N/A	-	W-DW-29	2	((W-DW)/2)-29	4	W-34	2
H-DH-90	2	N/A	4	H-96	4	H-96	4	H-DH-90	4
W-60	2	N/A	4	W-DW-55	4	((W-DW)/2)-55	4	W-60	4
DH-59	2	H-59	4	H-59	4	H-59	4	DH-59	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-209	2	H-209	4	H-209	4	H-209	4	DH-209	4
DH-185	1	H-185	2	H-185	2	H-185	2	DH-185	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-66	1	N/A	-	H-72	1	H-72	2	H-DH-66	1
W-72		N/A		W-DW-67		((W-DW)/2)-67		W-72	

24MM IGU

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD (SQ PR)	WAFD113	H-58	2	H-58	2	H-58	2
HORZ STOP BEAD (SQ PR)	WAFD113	W-50	1	DW-50	1	DW-50	1
VERT D/G ADAPTOR (MIT)	WAFD117	N/A		H-34	2	H-34	4
HORZ D/G ADAPTOR (MIT)	WAFD117	N/A		W-DW-29	2	((W-DW)/2)-29	4
VERT ADAPTOR BEAD (SQ)	WAWF009	N/A	-	H-96	2	H-96	2
HORZ ADAPTOR BEAD (SQ)	WAWF009	N/A	-	W-DW-55	2	((W-DW)/2)-55	2
STILE (MIT)	WAWF020	H-59	2	H-59	2	H-59	2
RAILS (MIT)	WAWF020	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD	WAWF009	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF009	H-209	2	H-209	2	H-209	2
DOOR GLASS HEIGHT	-	H-185	1	H-185	1	H-185	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A		H-72	1	H-72	2
FIXED GLASS WIDTH	-	N/A		W-DW-67		((W-DW)/2)-67	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ PR = SQUARE CUT TO LONG POINT IN PAIRS | SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-58	2	H-58	2	H-58	2	H-58	2	DH-58	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-DH-29	2	N/A	-	H-34	2	H-34	4	H-DH-29	2
W-34	2	N/A	-	W-DW-29	2	((W-DW)/2)-29	4	W-34	2
H-DH-90	2	N/A	4	H-96	4	H-96	4	H-DH-90	4
W-60	2	N/A	4	W-DW-55	4	((W-DW)/2)-55	4	W-60	4
DH-59	2	H-59	4	H-59	4	H-59	4	DH-59	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-209	2	H-209	4	H-209	4	H-209	4	DH-209	4
DH-185	1	H-185	2	H-185	2	H-185	2	DH-185	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-66	1	N/A	-	H-72	1	H-72	2	H-DH-66	1
W-72		N/A		W-DW-67		((W-DW)/2)-67		W-72	

4MM - 10MM SINGLE GLAZED GLASS

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD	WAFD116	H-68	2	H-68	2	H-68	2
HORZ STOP BEAD	WAFD116	W-50	1	DW-50	1	DW-50	1
VERT GLAZING BEAD	WASW024	N/A	-	H-76	2	H-76	4
HORZ GLAZING BEAD	WASW024	N/A	-	W-DW-45	2	((W-DW)/2)-45	4
STILE (SQ)	WAWF006	H-47	2	H-47	2	H-47	2
RAILS (SQ)	WAWF007	W-173	2	DW-173	2	DW-173	2
HORZ SASH BEAD	WAWF008	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF008	H-197	2	H-197	2	H-197	2
DOOR GLASS HEIGHT	-	H-173	1	H-173	1	H-173	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-56	1	H-56	2
FIXED GLASS WIDTH	-	N/A		W-DW-51		((W-DW)/2)-51	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-68	2	H-68	2	H-68	2	H-68	2	DH-68	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-71	2	N/A	-	H-76	2	H-76	4	H-71	2
W-50	2	N/A	-	W-DW-45	2	((W-DW)/2)-45	4	W-50	2
DH-47	2	H-47	4	H-47	4	H-47	4	DH-47	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-197	2	H-197	4	H-197	4	H-197	4	DH-197	4
DH-173	1	H-173	2	H-173	2	H-173	2	DH-173	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-51	1	N/A	-	H-56	1	H-56	2	H-DH-51	1
W-56		N/A		W-DW-51		((W-DW)/2)-51		W-56	

4MM - 10MM SINGLE GLAZED GLASS

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD	WAFD116	H-68	2	H-68	2	H-68	2
HORZ STOP BEAD	WAFD116	W-50	1	DW-50	1	DW-50	1
VERT GLAZING BEAD	WASW024	N/A	-	H-76	2	H-76	4
HORZ GLAZING BEAD	WASW024	N/A	-	W-DW-45	2	((W-DW)/2)-45	4
STILE (MIT)	WAWF006	H-47	2	H-47	2	H-47	2
RAILS (MIT)	WAWF006	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD	WAWF008	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF008	H-197	2	H-197	2	H-197	2
DOOR GLASS HEIGHT	-	H-173	1	H-173	1	H-173	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-56	1	H-56	2
FIXED GLASS WIDTH	-	N/A		W-DW-51		((W-DW)/2)-51	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-68	2	H-68	2	H-68	2	H-68	2	DH-68	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-71	2	N/A	-	H-76	2	H-76	4	H-71	2
W-50	2	N/A	-	W-DW-45	2	((W-DW)/2)-45	4	W-50	2
DH-47	2	H-47	4	H-47	4	H-47	4	DH-47	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-197	2	H-197	4	H-197	4	H-197	4	DH-197	4
DH-173	1	H-173	2	H-173	2	H-173	2	DH-173	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-51	1	N/A	-	H-56	1	H-56	2	H-DH-51	1
W-56		N/A		W-DW-51		((W-DW)/2)-51		W-56	

12MM SINGLE GLAZED GLASS

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD	WAFD116	H-68	2	H-68	2	H-68	2
HORZ STOP BEAD	WAFD116	W-50	1	DW-50	1	DW-50	1
VERT GLAZING BEAD	WASW024	N/A	-	H-76	2	H-76	4
HORZ GLAZING BEAD	WASW024	N/A	-	W-DW-45	2	((W-DW)/2)-45	4
STILE (SQ)	WAWF006	H-47	2	H-47	2	H-47	2
RAILS (SQ)	WAWF007	W-173	2	DW-173	2	DW-173	2
HORZ SASH BEAD	WAWF008	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF008	H-197	2	H-197	2	H-197	2
DOOR GLASS HEIGHT	-	H-173	1	H-173	1	H-173	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-56	1	H-56	2
FIXED GLASS WIDTH	-	N/A		W-DW-51		((W-DW)/2)-51	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-68	2	H-68	2	H-68	2	H-68	2	DH-68	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-71	2	N/A	-	H-76	2	H-76	4	H-71	2
W-50	2	N/A	-	W-DW-45	2	((W-DW)/2)-45	4	W-50	2
DH-47	2	H-47	4	H-47	4	H-47	4	DH-47	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-197	2	H-197	4	H-197	4	H-197	4	DH-197	4
DH-173	1	H-173	2	H-173	2	H-173	2	DH-173	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-51	1	N/A	-	H-56	1	H-56	2	H-DH-51	1
W-56		N/A		W-DW-51		((W-DW)/2)-51		W-56	

12MM SINGLE GLAZED GLASS

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD	WAFD116	H-68	2	H-68	2	H-68	2
HORZ STOP BEAD	WAFD116	W-50	1	DW-50	1	DW-50	1
VERT GLAZING BEAD	WASW024	N/A	-	H-76	2	H-76	4
HORZ GLAZING BEAD	WASW024	N/A	-	W-DW-45	2	((W-DW)/2)-45	4
STILE (MIT)	WAWF006	H-47	2	H-47	2	H-47	2
RAILS (MIT)	WAWF006	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD	WAWF008	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF008	H-197	2	H-197	2	H-197	2
DOOR GLASS HEIGHT	-	H-173	1	H-173	1	H-173	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-56	1	H-56	2
FIXED GLASS WIDTH	-	N/A		W-DW-51		((W-DW)/2)-51	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-68	2	H-68	2	H-68	2	H-68	2	DH-68	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-71	2	N/A	-	H-76	2	H-76	4	H-71	2
W-50	2	N/A	-	W-DW-45	2	((W-DW)/2)-45	4	W-50	2
DH-47	2	H-47	4	H-47	4	H-47	4	DH-47	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-197	2	H-197	4	H-197	4	H-197	4	DH-197	4
DH-173	1	H-173	2	H-173	2	H-173	2	DH-173	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-51	1	N/A	-	H-56	1	H-56	2	H-DH-51	1
W-56		N/A		W-DW-51		((W-DW)/2)-51		W-56	

16MM IGU

DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
		SIZE	QTY	SIZE	QTY	SIZE	QTY
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD	WAFD116	H-58	2	H-58	2	H-58	2
HORZ STOP BEAD	WAFD116	W-50	1	DW-50	1	DW-50	1
VERT D/G ADAPTOR (MIT)	WAFD117	N/A		H-34	2	H-34	4
HORZ D/G ADAPTOR (MIT)	WAFD117	N/A		W-DW-29	2	((W-DW)/2)-29	4
VERT ADAPTOR BEAD (SQ)	WAWF008	N/A	-	H-96	2	H-96	2
HORZ ADAPTOR BEAD (SQ)	WAWF008	N/A	-	W-DW-55	2	((W-DW)/2)-55	2
STILE (SQ)	WAWF006	H-47	2	H-47	2	H-47	2
RAILS (SQ)	WAWF007	W-173	2	DW-173	2	DW-173	2
HORZ SASH BEAD	WAWF009	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD	WAWF009	H-197	2	H-197	2	H-197	2
DOOR GLASS HEIGHT	-	H-173	1	H-173	1	H-173	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A		H-72	1	H-72	2
FIXED GLASS WIDTH	-	N/A		W-DW-67		((W-DW)/2)-67	

H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-58	2	H-58	2	H-58	2	H-58	2	DH-58	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-DH-29	2	N/A	-	H-34	2	H-34	4	H-DH-29	2
W-34	2	N/A	-	W-DW-29	2	((W-DW)/2)-29	4	W-34	2
H-DH-90	2	N/A	4	H-96	4	H-96	4	H-DH-90	4
W-60	2	N/A	4	W-DW-55	4	((W-DW)/2)-55	4	W-60	4
DH-47	2	H-47	4	H-47	4	H-47	4	DH-47	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-197	2	H-197	4	H-197	4	H-197	4	DH-197	4
DH-173	1	H-173	2	H-173	2	H-173	2	DH-173	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-66	1	N/A	-	H-72	1	H-72	2	H-DH-66	1
W-72		N/A		W-DW-67		((W-DW)/2)-67		W-72	

24MM IGU

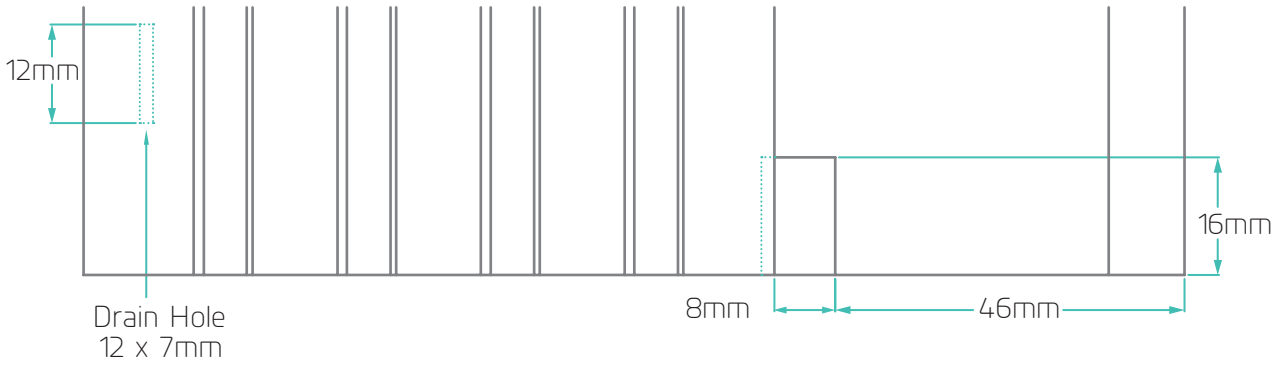
DESCRIPTION	CODE	SINGLE		SINGLE WITH SIDE LIGHT		SINGLE WITH 2 SIDE LIGHTS	
JAMB	WAFD112	H	2	H	3	H	4
DOOR HEAD	WAFD112	W-50	1	DW-50	1	DW-50	1
TRANSOM	WAFD114	N/A	-	N/A	-	N/A	-
FIXED HEAD	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
DOOR SILL	WAFD115	W-50	1	DW-50	1	DW-50	1
FIXED SILL	WAFD112	N/A	-	W-DW-45	1	((W-DW)/2)-45	1
MULLION	WAFD114	N/A	-	H	1	H	2
VERT STOP BEAD	WAFD116	H-68	2	H-68	2	H-68	2
HORZ STOP BEAD	WAFD116	W-50	1	DW-50	1	DW-50	1
VERT D/G ADAPTOR (MIT)	WAFD117	N/A		H-34	2	H-34	4
HORZ D/G ADAPTOR (MIT)	WAFD117	N/A		W-DW-29	2	((W-DW)/2)-29	4
VERT ADAPTOR BEAD	WAWF008	N/A	-	H-96	2	H-96	2
HORZ ADAPTOR BEAD	WAWF008	N/A	-	W-DW-55	2	((W-DW)/2)-55	2
STILE (MIT)	WAWF020	H-47	2	H-47	2	H-47	2
RAILS (MIT)	WAWF020	W-59	2	DW-59	2	DW-59	2
HORZ SASH BEAD (SQ)	WAWF009	W-173	2	DW-173	2	DW-173	2
VERT SASH BEAD (SQ)	WAWF009	H-197	2	H-197	2	H-197	2
DOOR GLASS HEIGHT	-	H-173	1	H-173	1	H-173	1
DOOR GLASS WIDTH	-	W-185		DW-185		DW-185	
FIXED GLASS HEIGHT	-	N/A	-	H-72	1	H-72	2
FIXED GLASS WIDTH	-	N/A		W-DW-67		((W-DW)/2)-67	

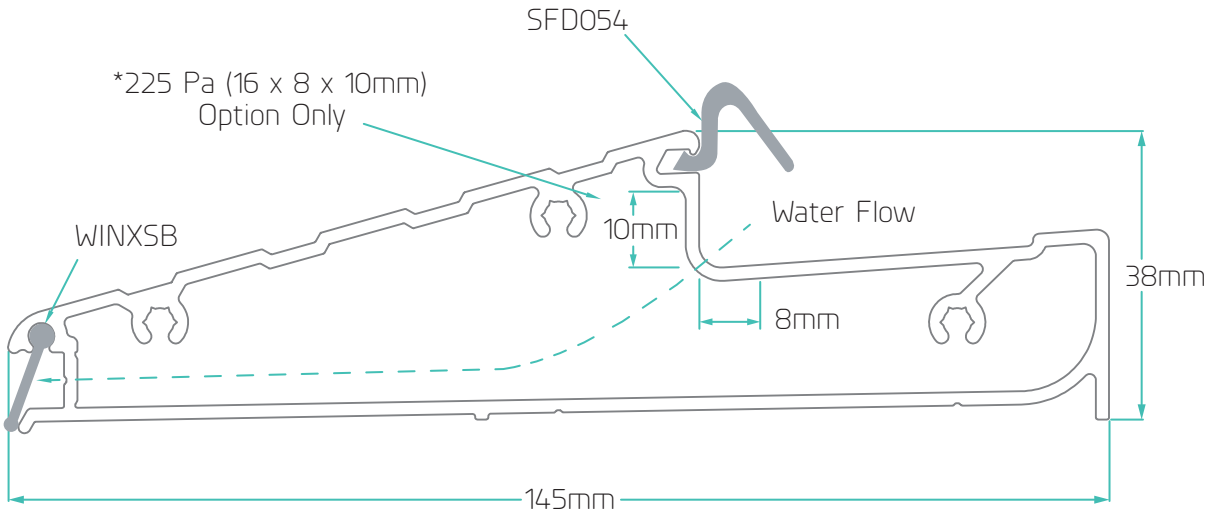
H = Frame Height | W = Frame Width | DH= Door Height | DW= Door Width
SQ = SQUARE CUT | MIT = MITRE CUT

SINGLE WITH HIGH LIGHT		DOUBLE		DOUBLE WITH SIDE LIGHT		DOUBLE WITH 2 SIDE LIGHTS		DOUBLE WITH HIGH LIGHT	
SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY
H	2	H	2	H	3	H	4	H	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
W-50	1	N/A	-	N/A	-	N/A	-	W-50	1
W-50	1	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	W-50	1
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
N/A	-	N/A	-	W-DW-45	1	((W-DW)/2)-45	1	N/A	-
N/A	-	N/A	-	H	1	H	2	N/A	-
DH-68	2	H-68	2	H-68	2	H-68	2	DH-68	2
W-50	1	W-50	1	DW-50	1	DW-50	1	W-50	1
H-DH-29	2	N/A	-	H-34	2	H-34	4	H-DH-29	2
W-34	2	N/A	-	W-DW-29	2	((W-DW)/2)-29	4	W-34	2
H-DH-90	2	N/A	4	H-96	4	H-96	4	H-DH-90	4
W-60	2	N/A	4	W-DW-55	4	((W-DW)/2)-55	4	W-60	4
DH-47	2	H-47	4	H-47	4	H-47	4	DH-47	4
W-59	2	(W-62)/2	4	(DW-62)/2	4	(DW-62)/2	4	(W-62)/2	4
W-173	2	(W-290)/2	4	(DW-290)/2	4	(DW-290)/2	4	(W-290)/2	4
DH-197	2	H-197	4	H-197	4	H-197	4	DH-197	4
DH-173	1	H-173	2	H-173	2	H-173	2	DH-173	2
W-185		(W-314)/2		(DW-314)/2		(DW-314)/2		(W-314)/2	
H-DH-66	1	N/A	-	H-72	1	H-72	2	H-DH-66	1
W-72		N/A		W-DW-67		((W-DW)/2)-67		W-72	

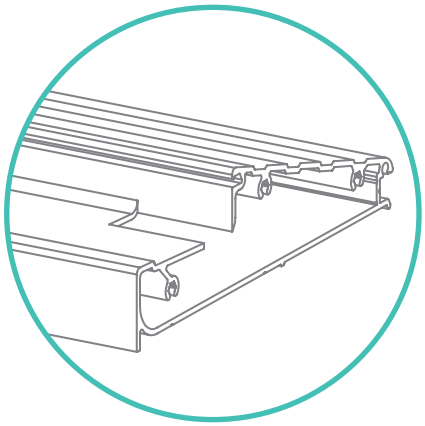
MACHINING DETAILS

Top Elevation

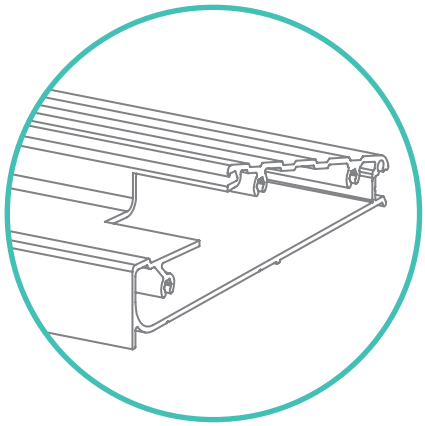




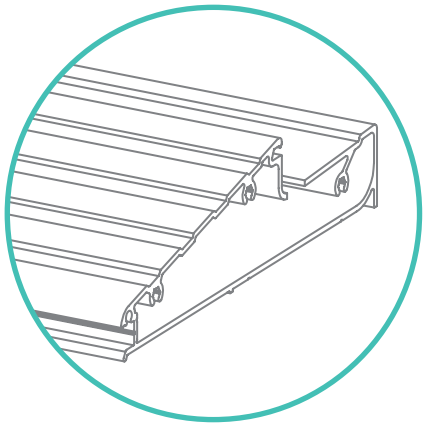
WADF111
Inswing Sill



150 Pa drain hole option (16 x 8mm)



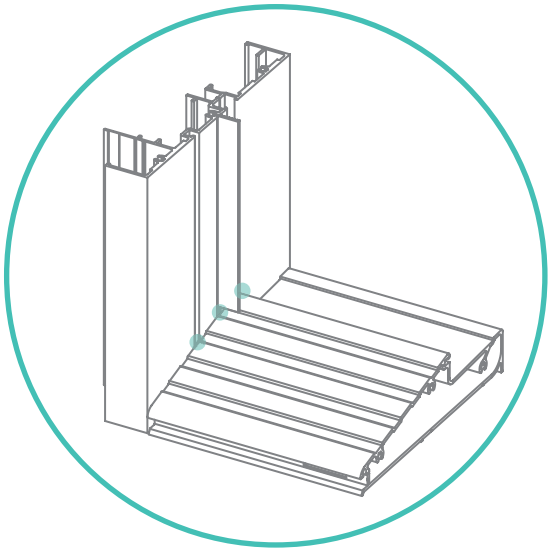
225 Pa drain hole option (16 x 8 x 10mm)



First drain hole (13 x 7mm) located at the centre of the sill. Additional holes located approximately 150mm either side of centre

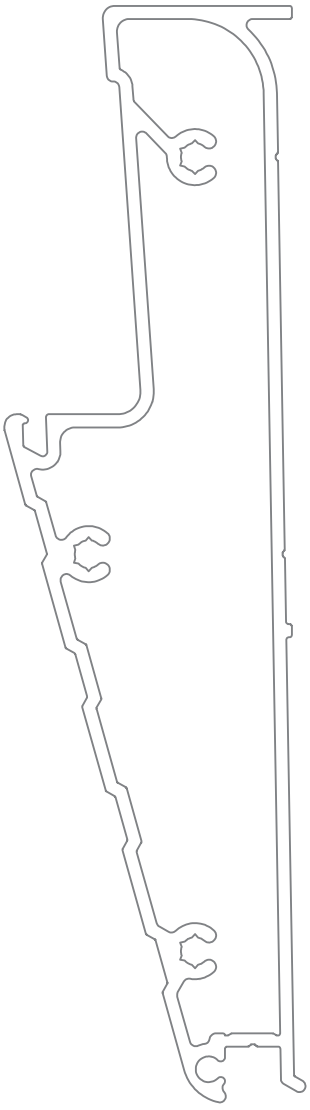
SILL LENGT H#	DRAIN HOLE S
Sills up to 1200mm	4
Sills 1201mm up to 1800mm	5
Sills 1801mm up to 2000mm	6

*Note: First drain hole to be located near centre of sill and additional drain holes at approximately 150mm centres either side of centre as required

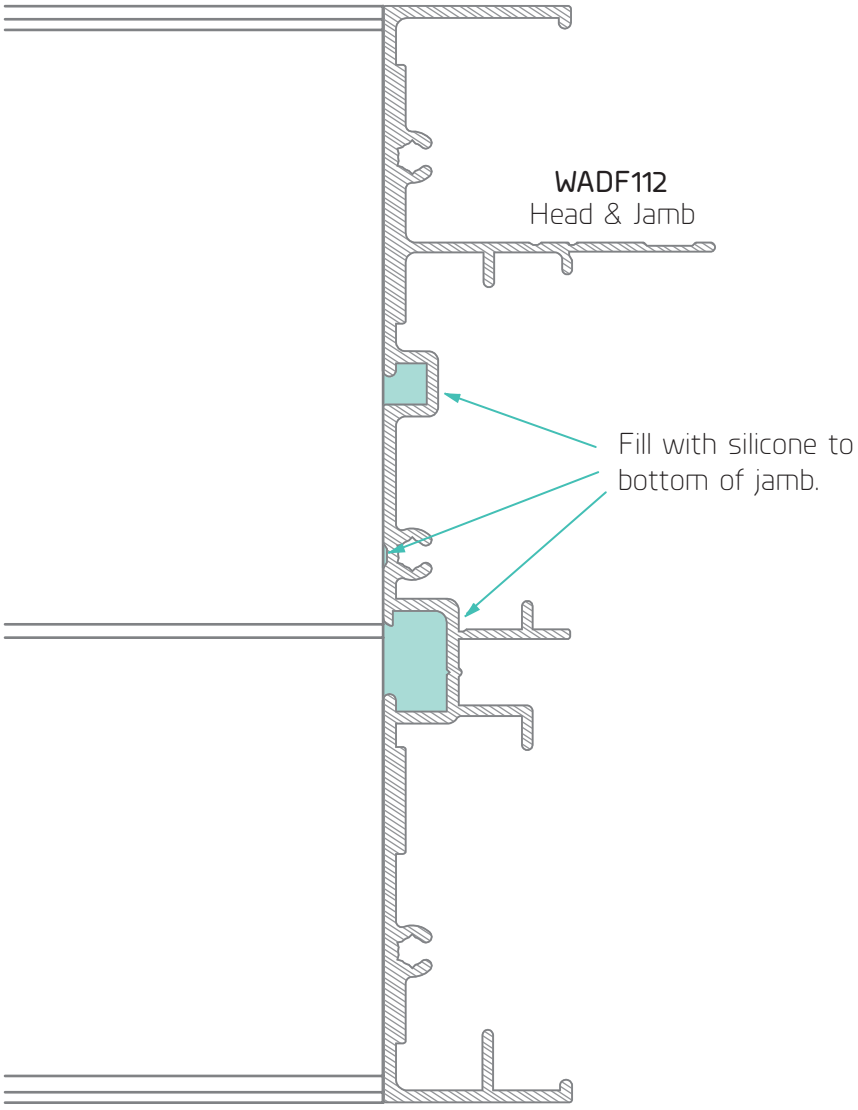


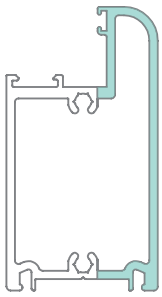
To seal the bottom of the sill, fill shown areas with silicone to bottom of jamb.

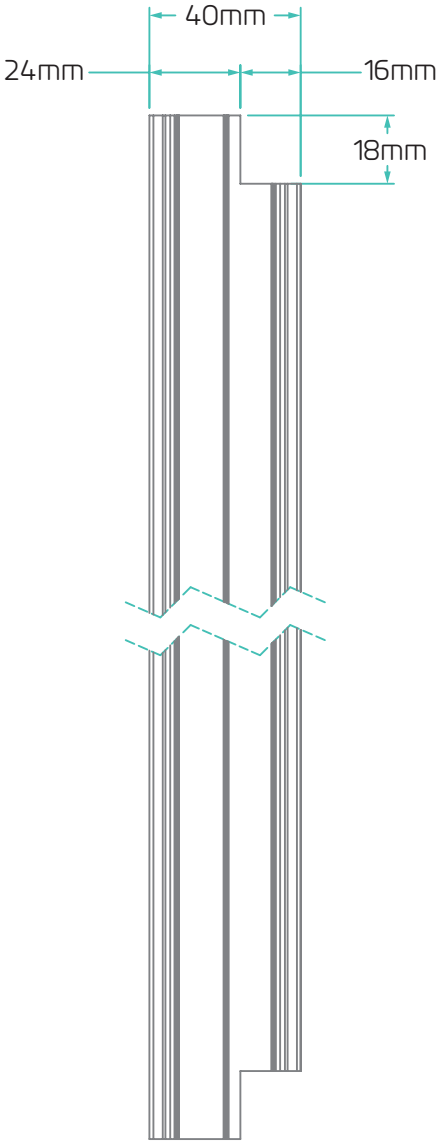
WADF111
Inswing Sill



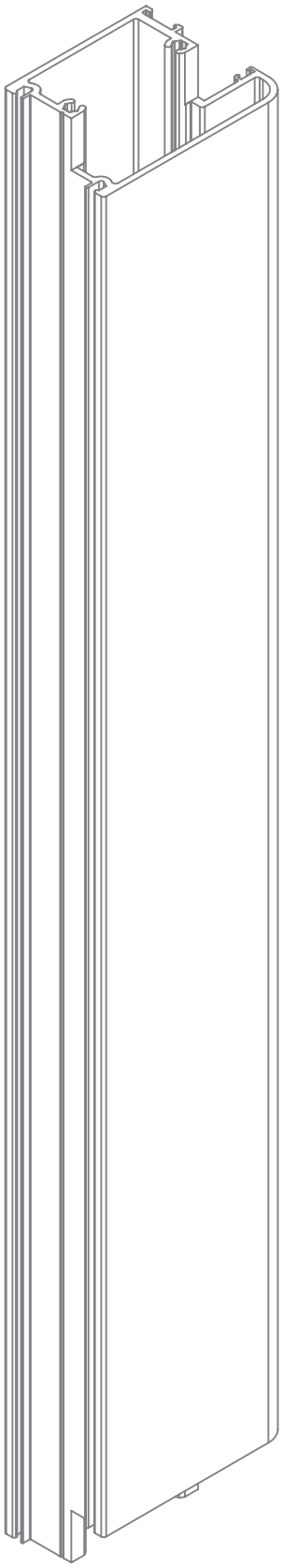
Bottom View



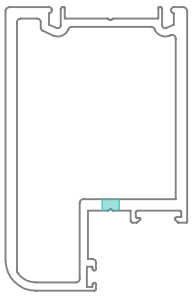


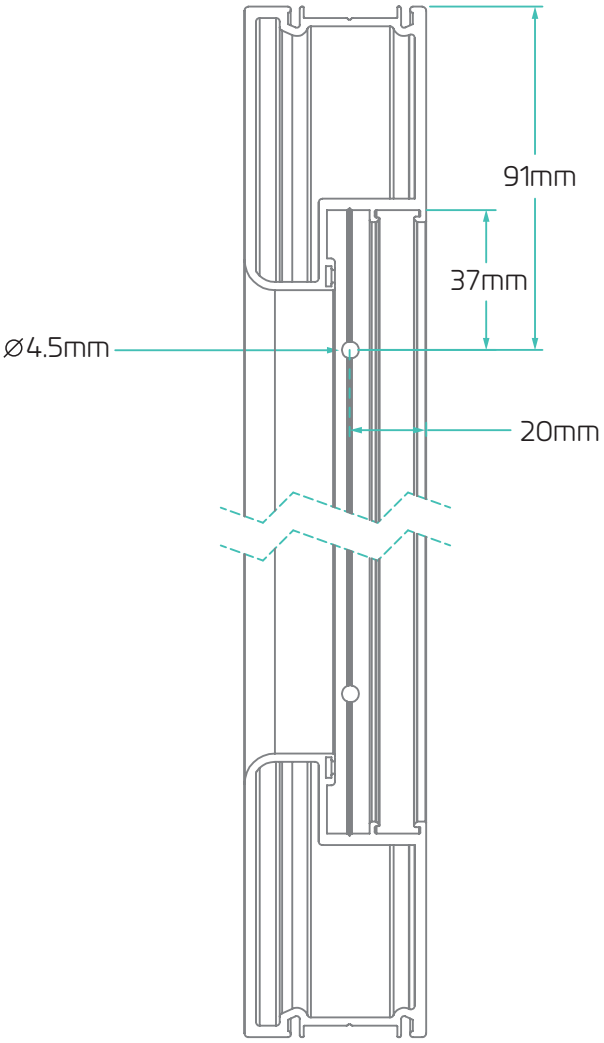


*NOTE: Machine both ends

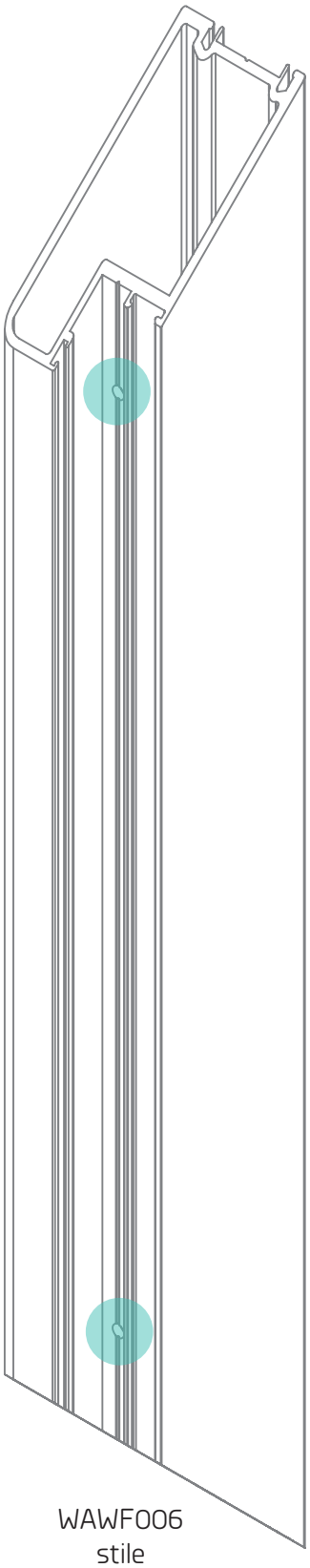


WAWF007
rail

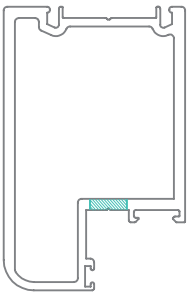




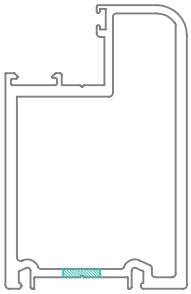
*NOTE: Machine both ends



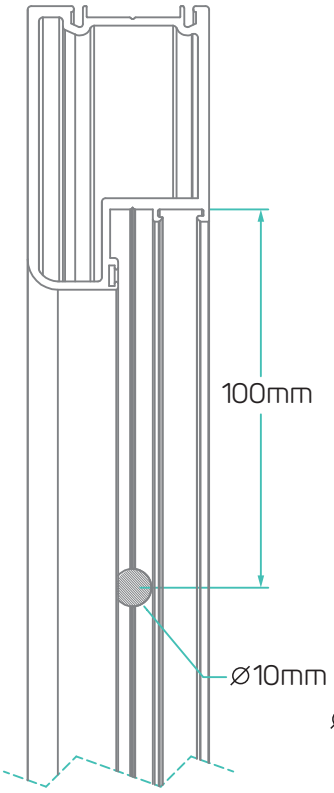
WAWF006
stile



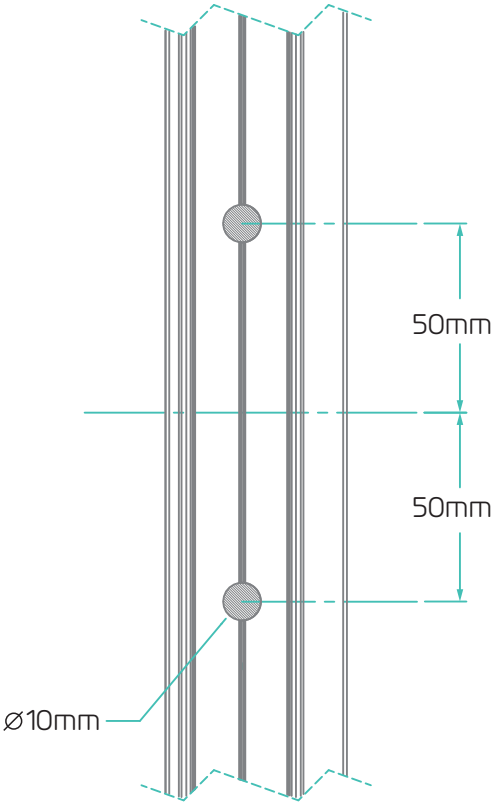
Inside



Outside

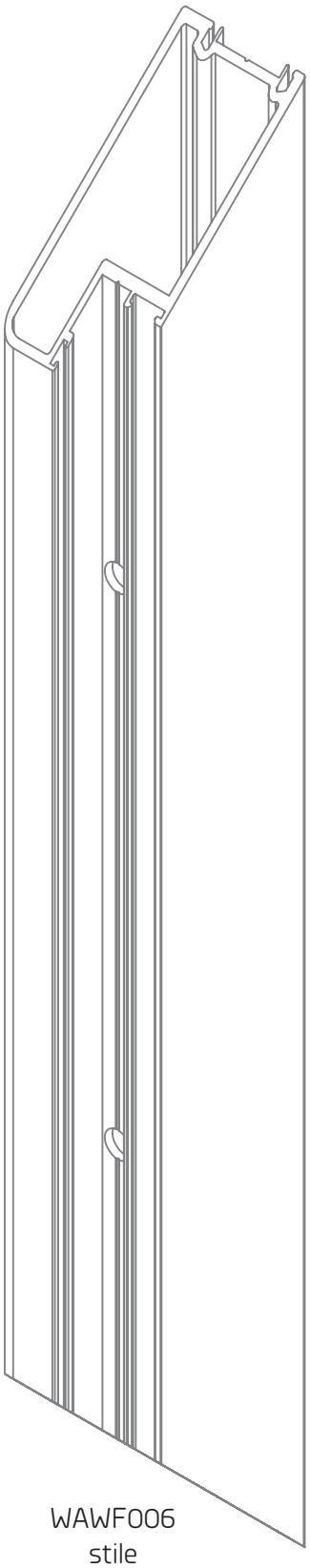


Drain holes on inside
face to both ends



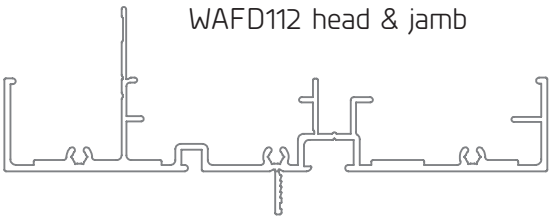
Drain holes on outside
face either side of centre

*NOTE: Machine both ends

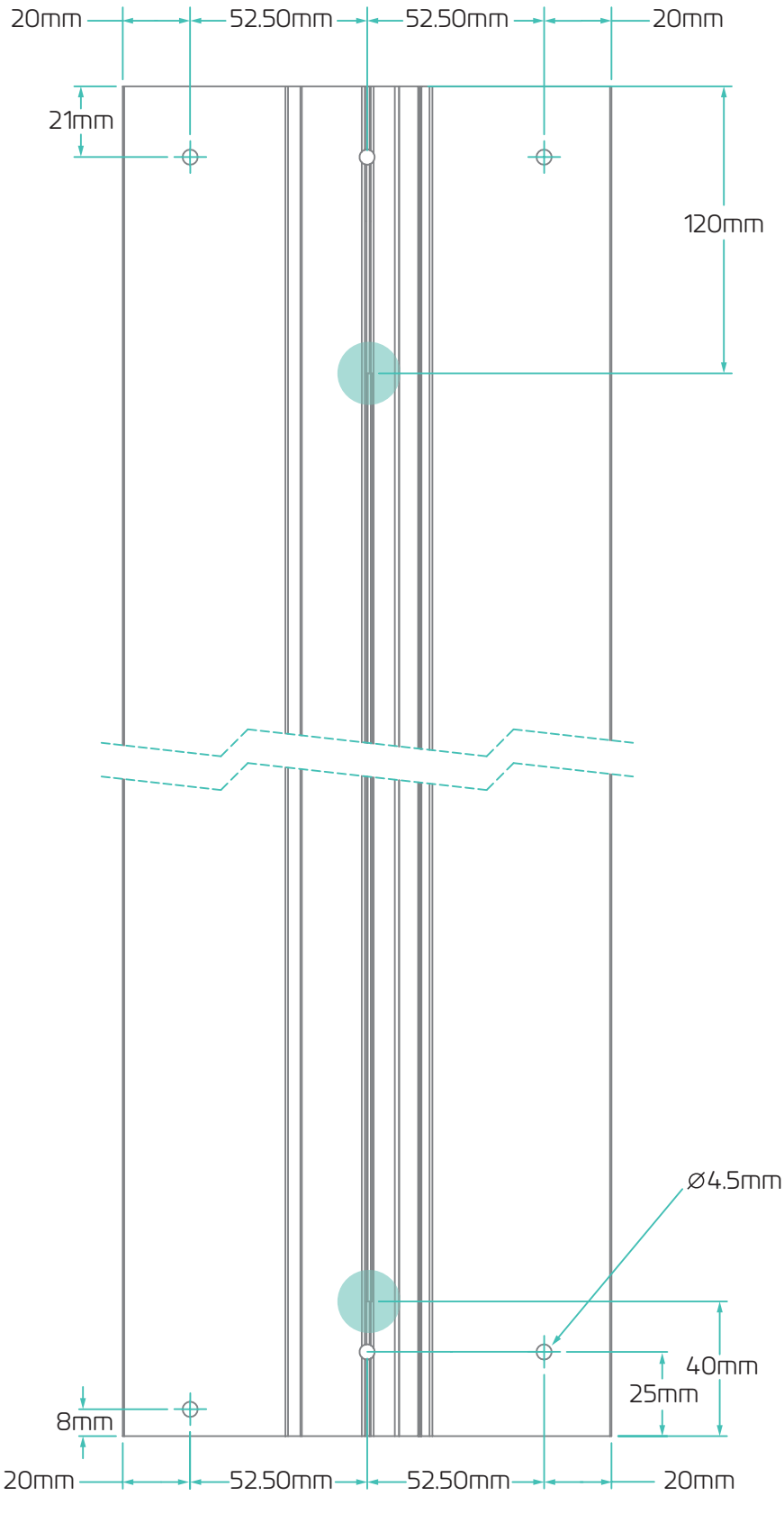


WAWF006
stile

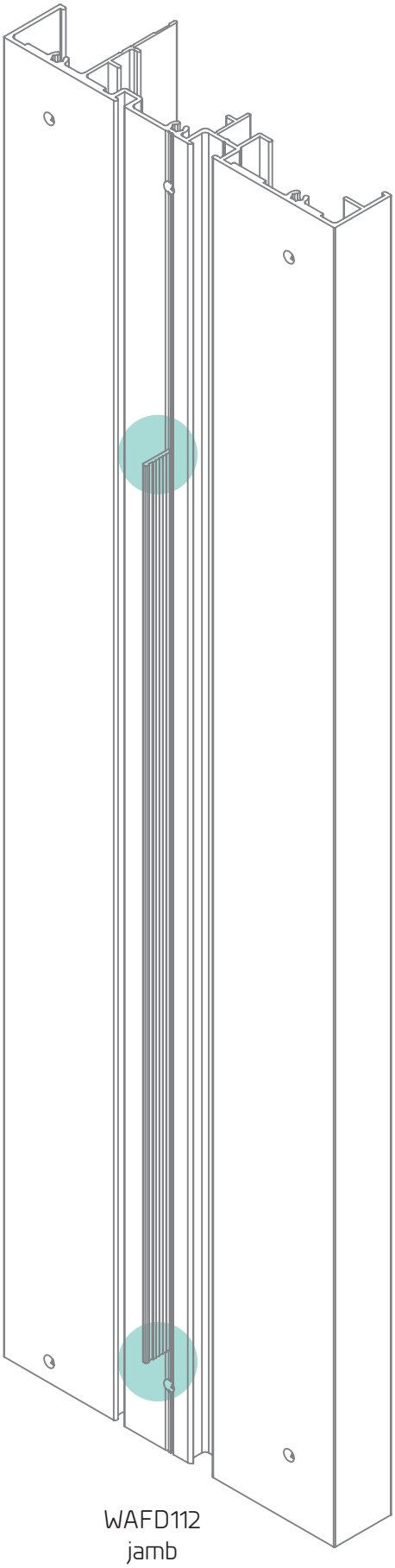
WAFD112 head & jamb



WAFD112 head cut-out

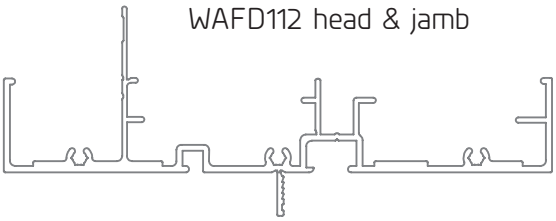


WAFD115 sill cut-out

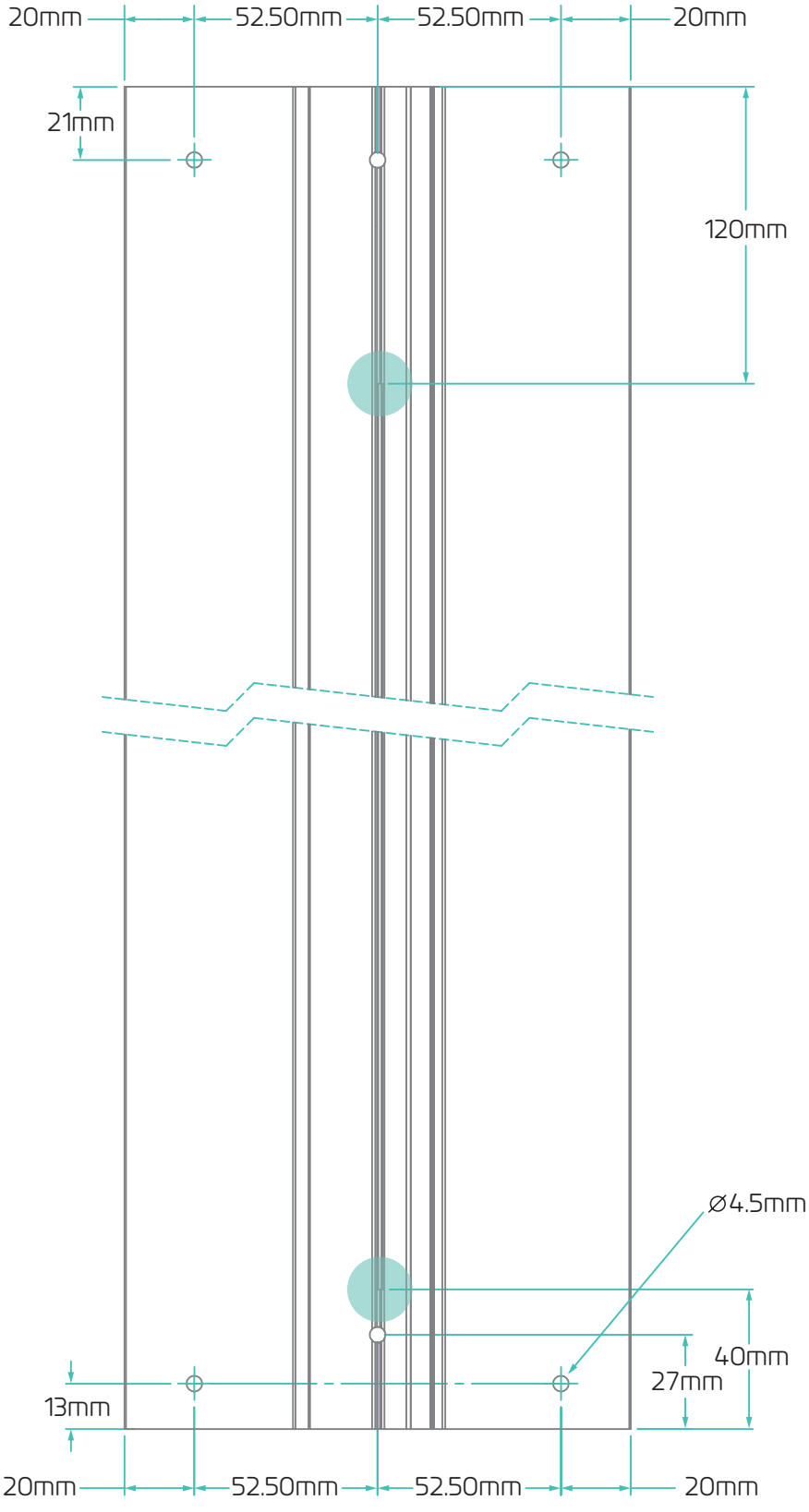


WAFD112
jamb

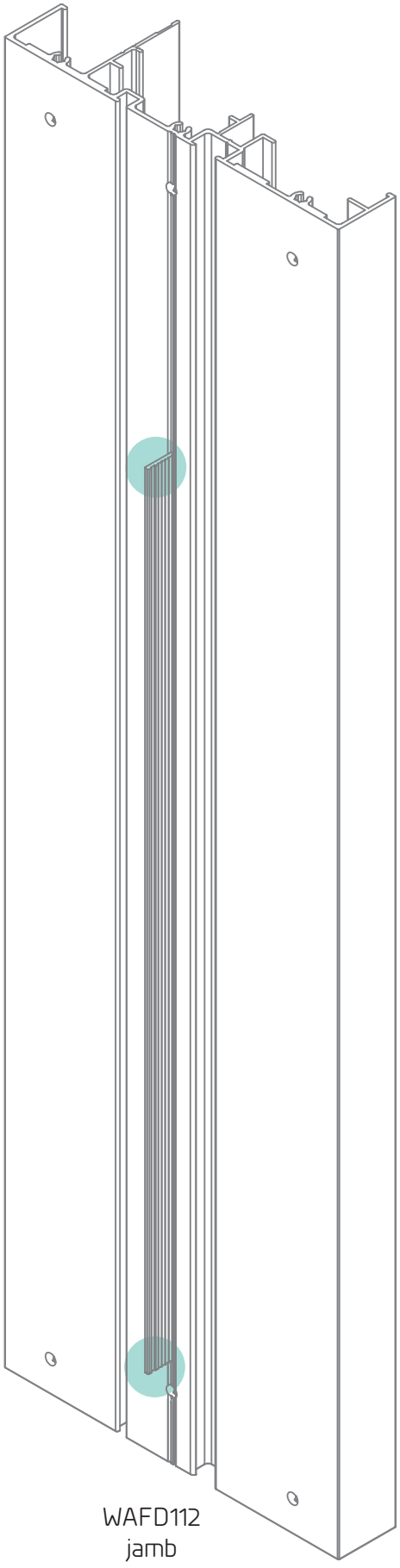
WAFD112 head & jamb



WAFD112 head cut-out

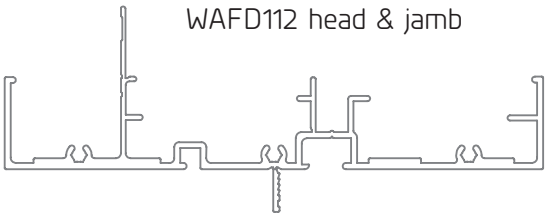


WAFD111 sill cut-out

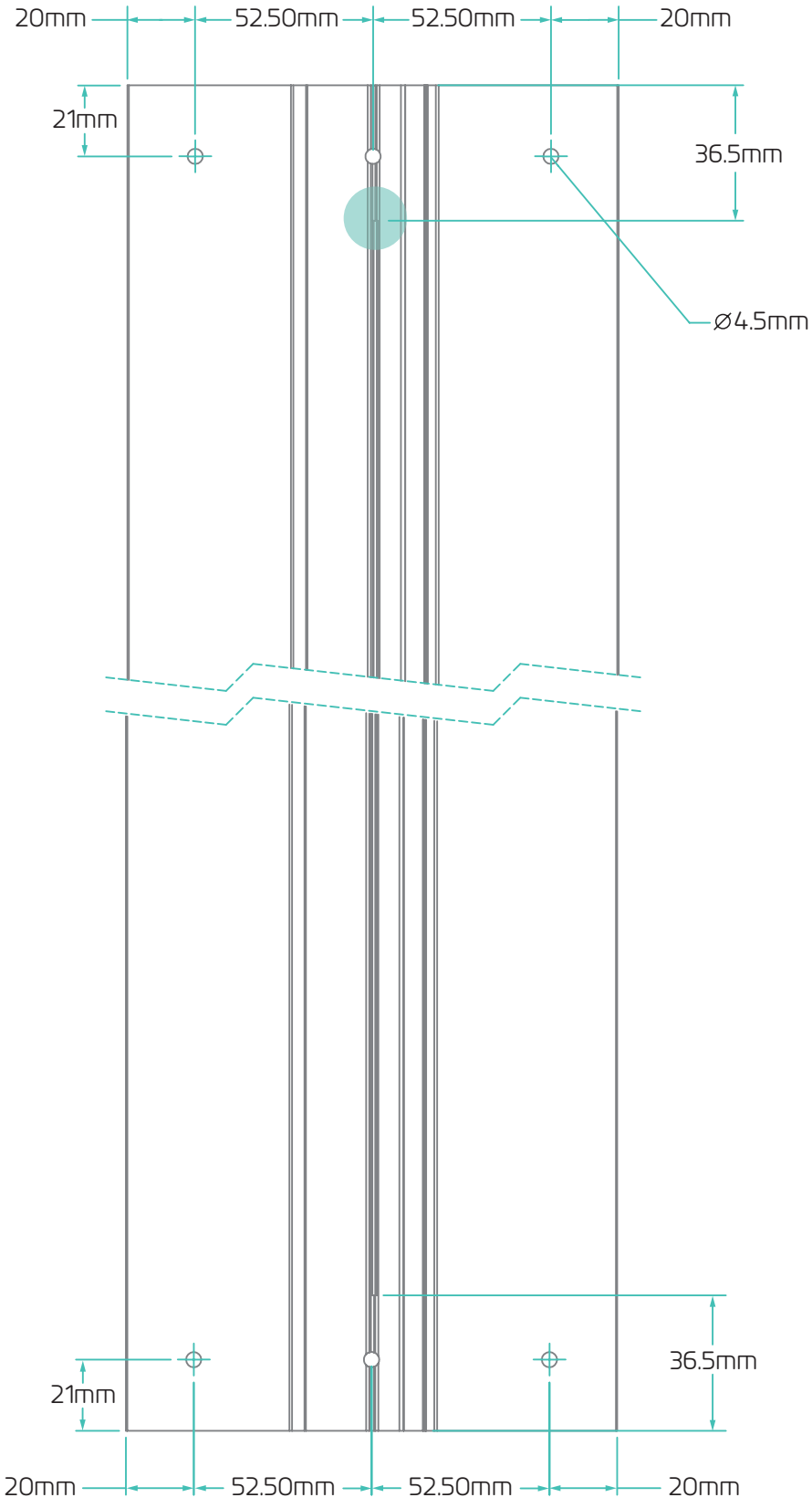


WAFD112
jamb

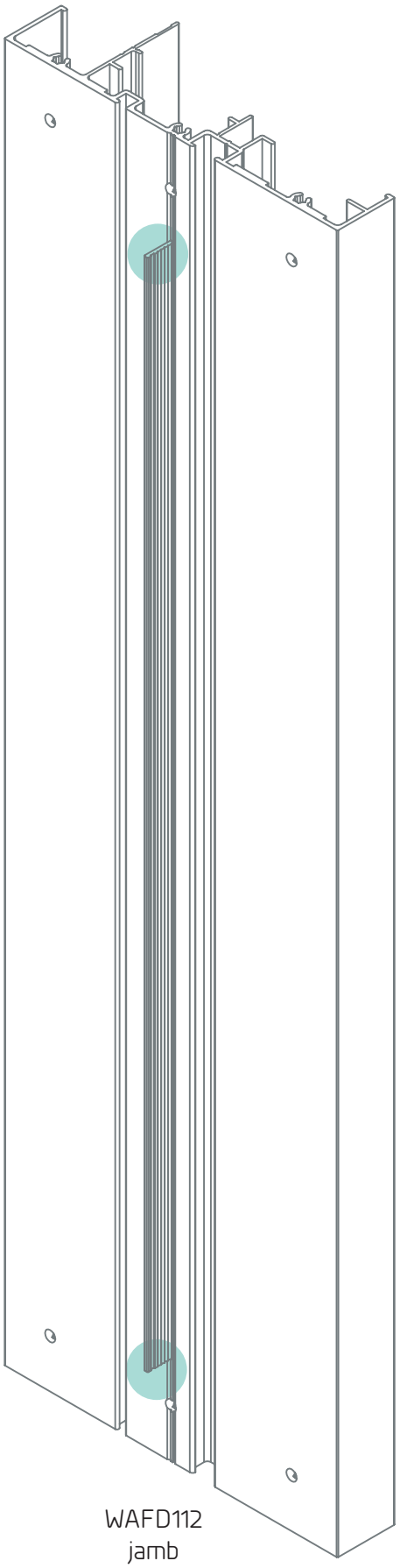
WAFD112 head & jamb



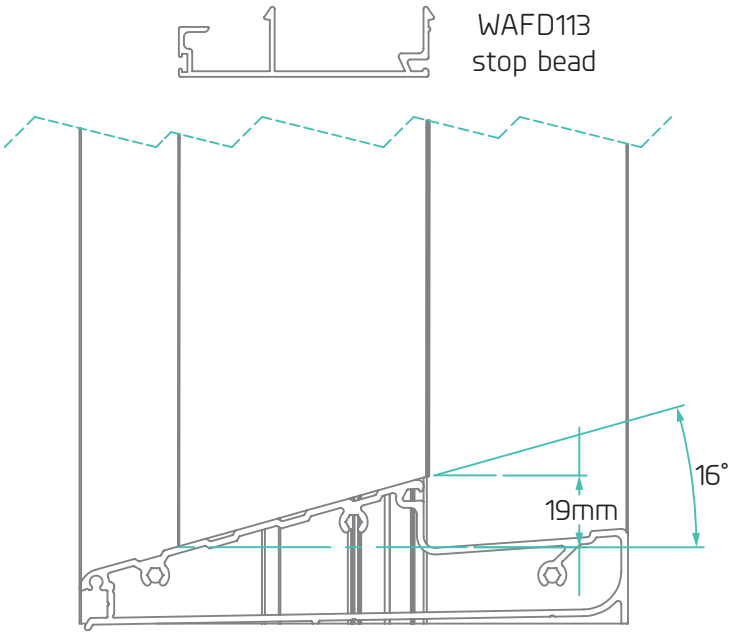
WAFD112 head cut-out



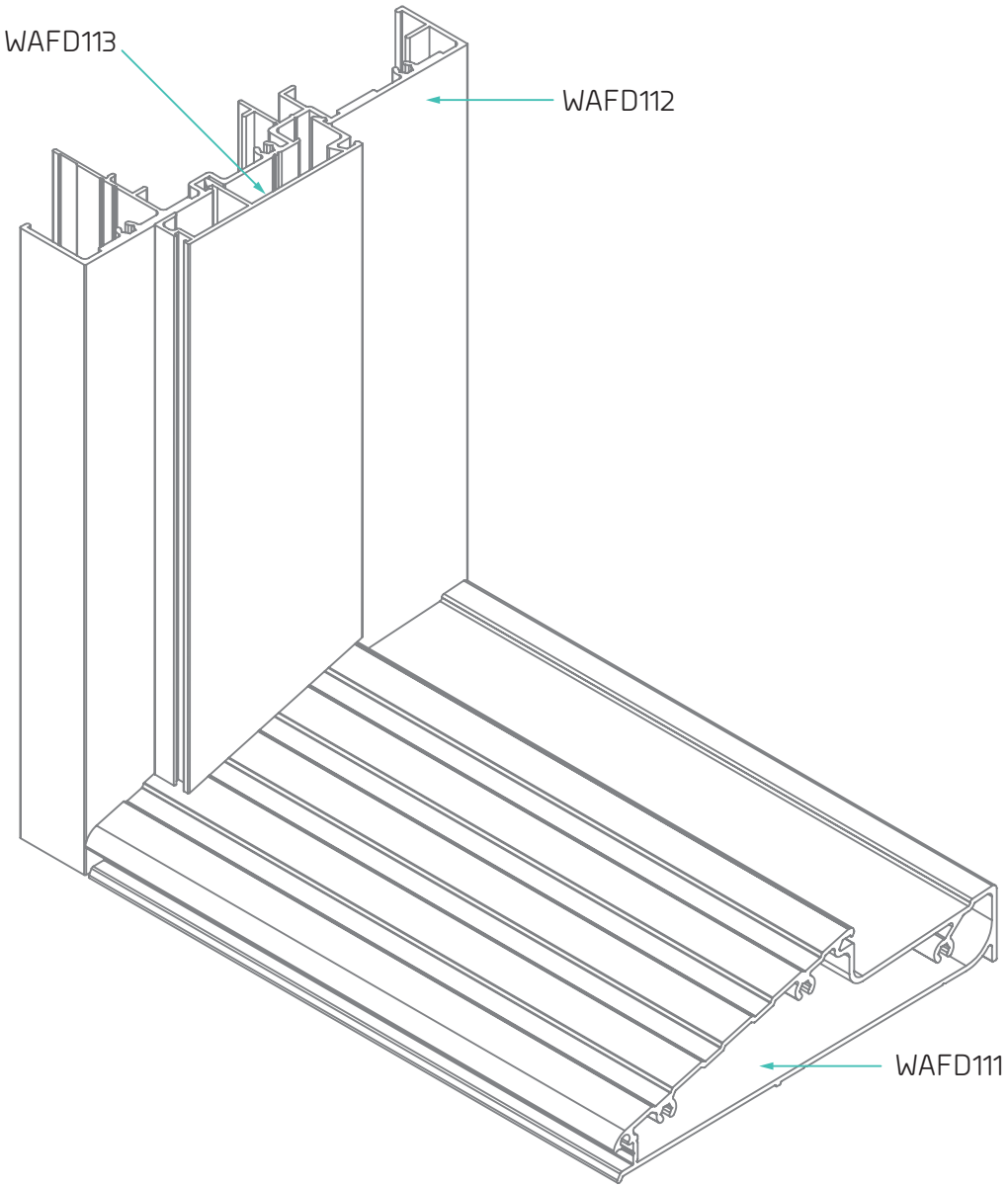
WAFD112 sill cut-out

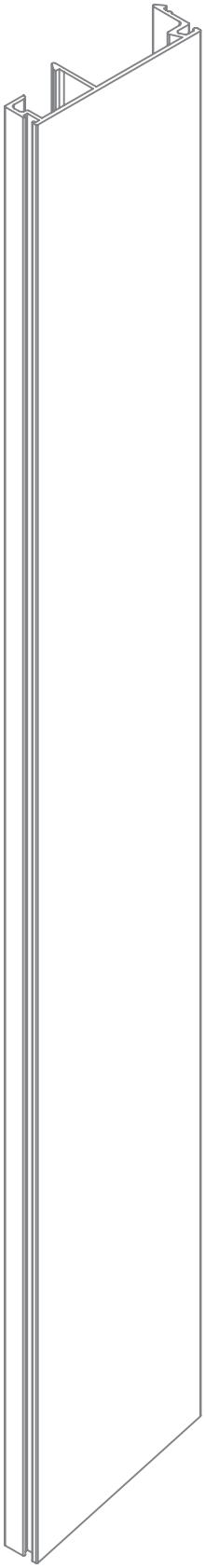


WAFD112
jamb

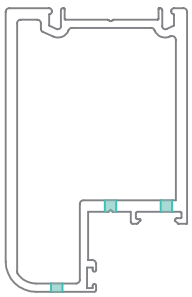


side elevation

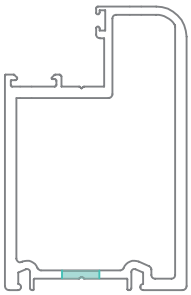




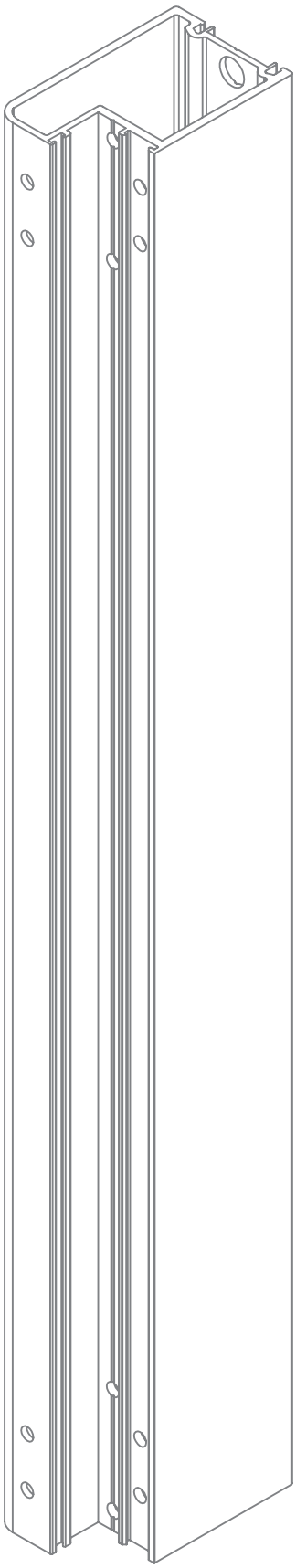
WAFD113
stop bead



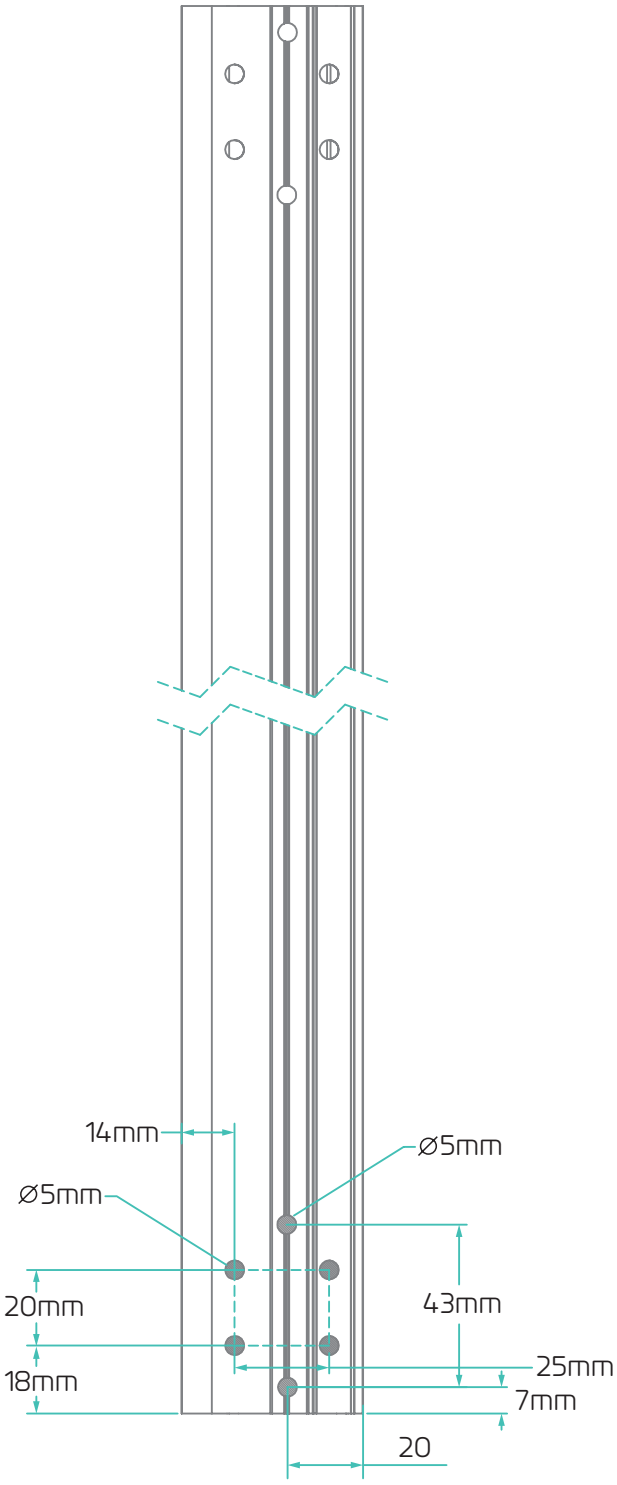
Inside

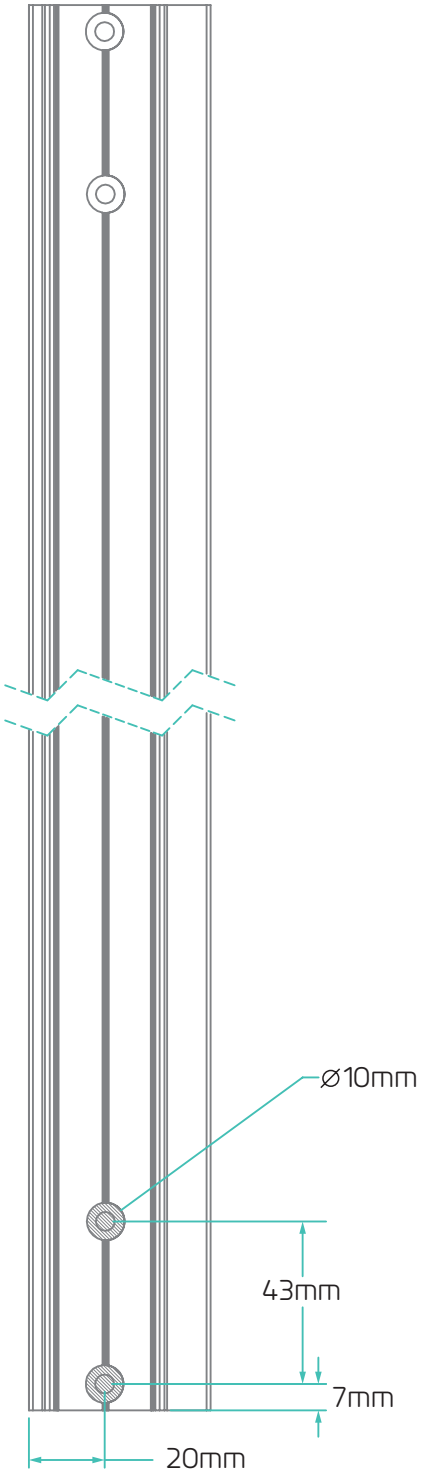


Outside

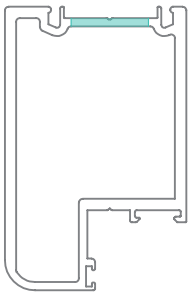


WAFD006
stile

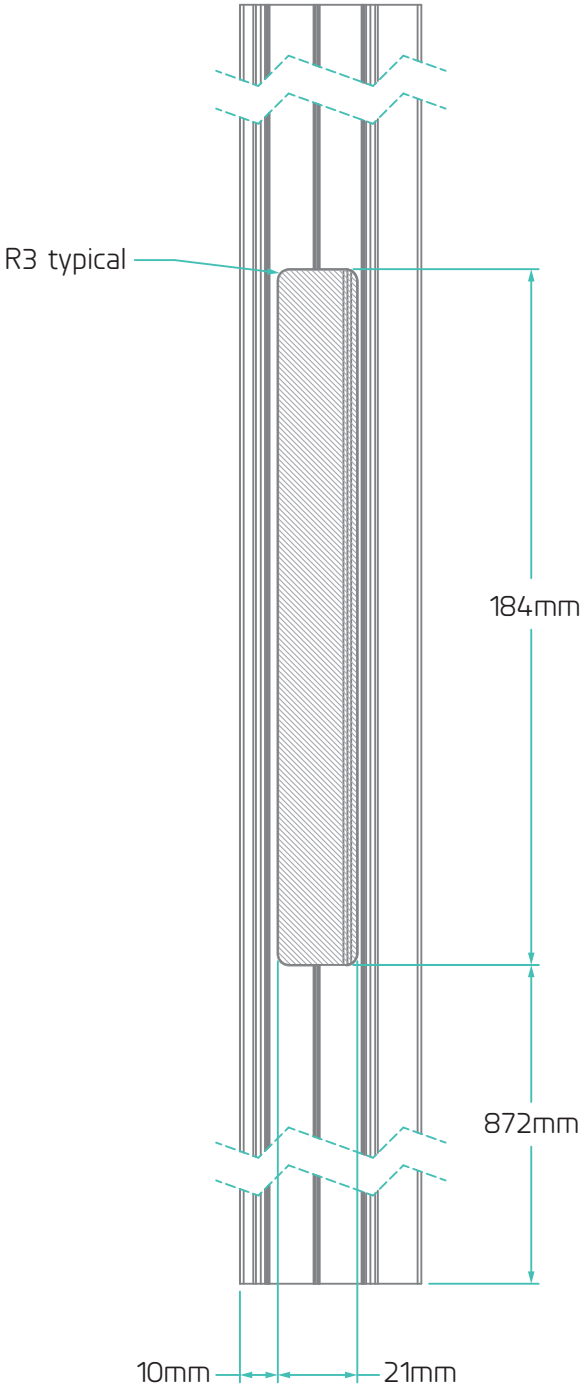


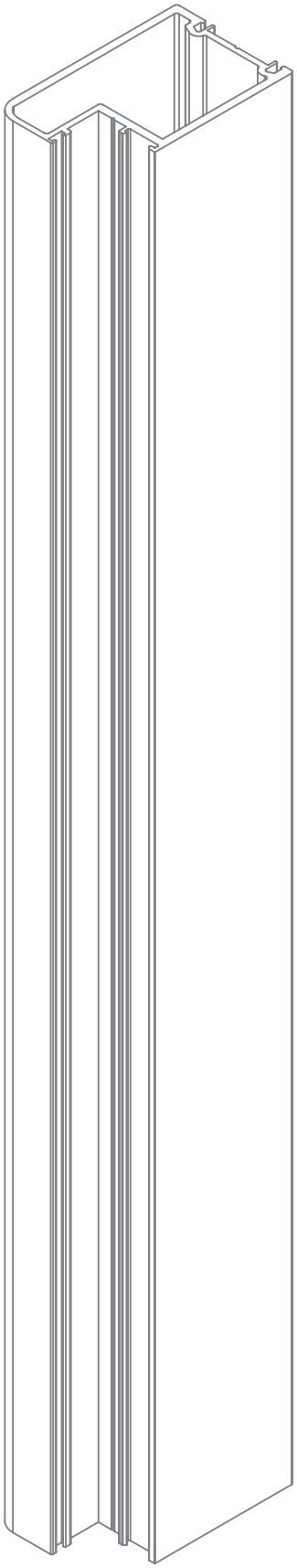


*NOTE: Machine both ends



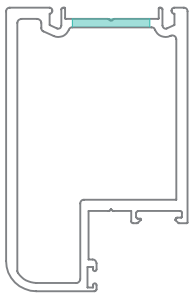
Lock cut-out



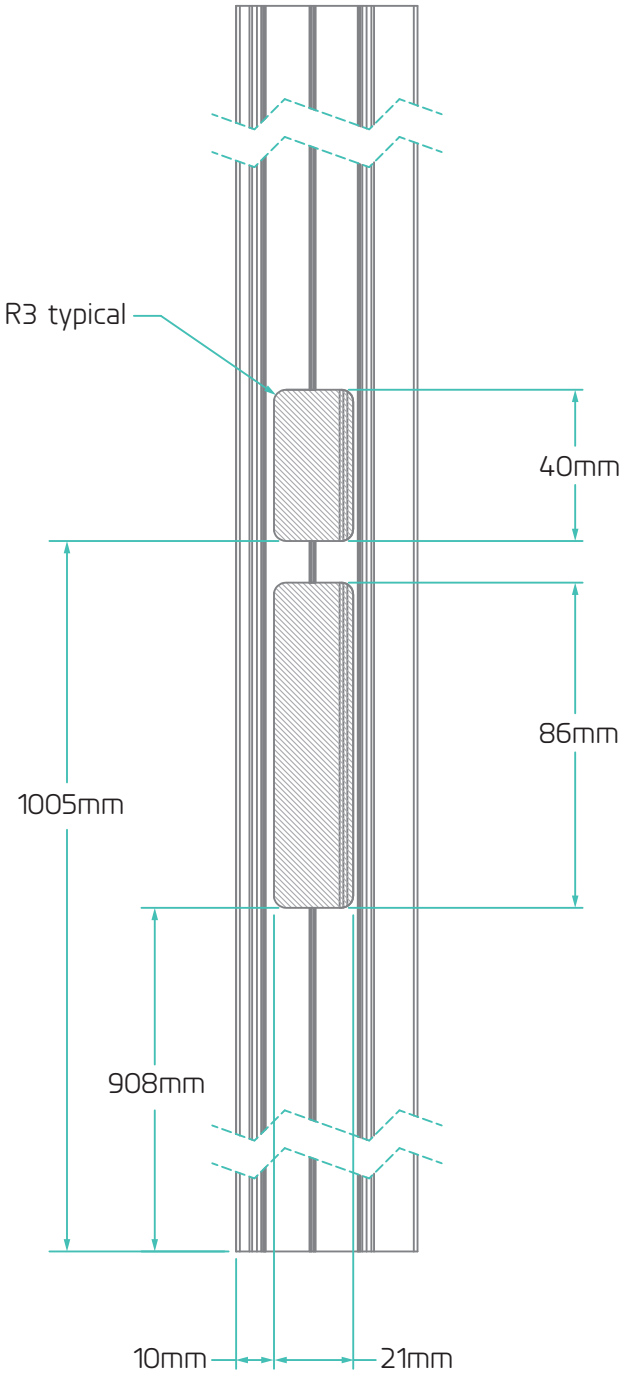


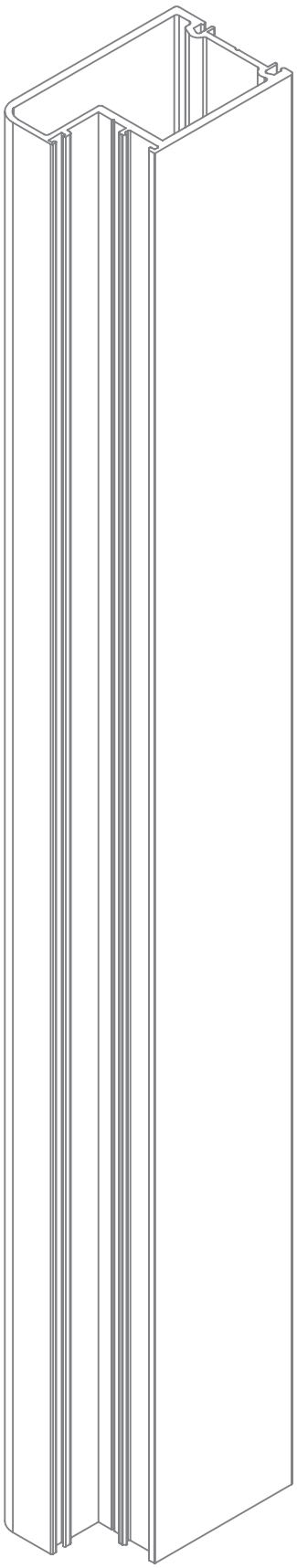
WAWF006
stile

*NOTE: Cut-outs are to suit 1000mm handle height from stile bottom.
Handle depictions not to scale.



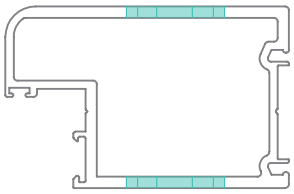
Striker cut-out
(WFA422 & WFA423)



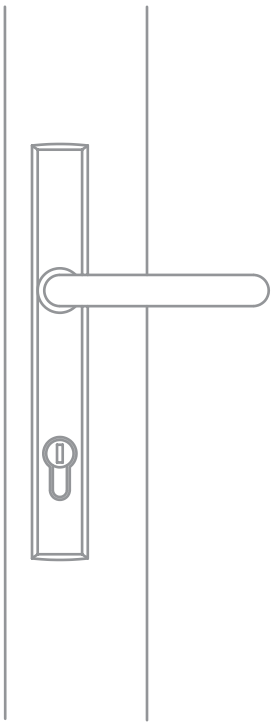


WAWF006
stile

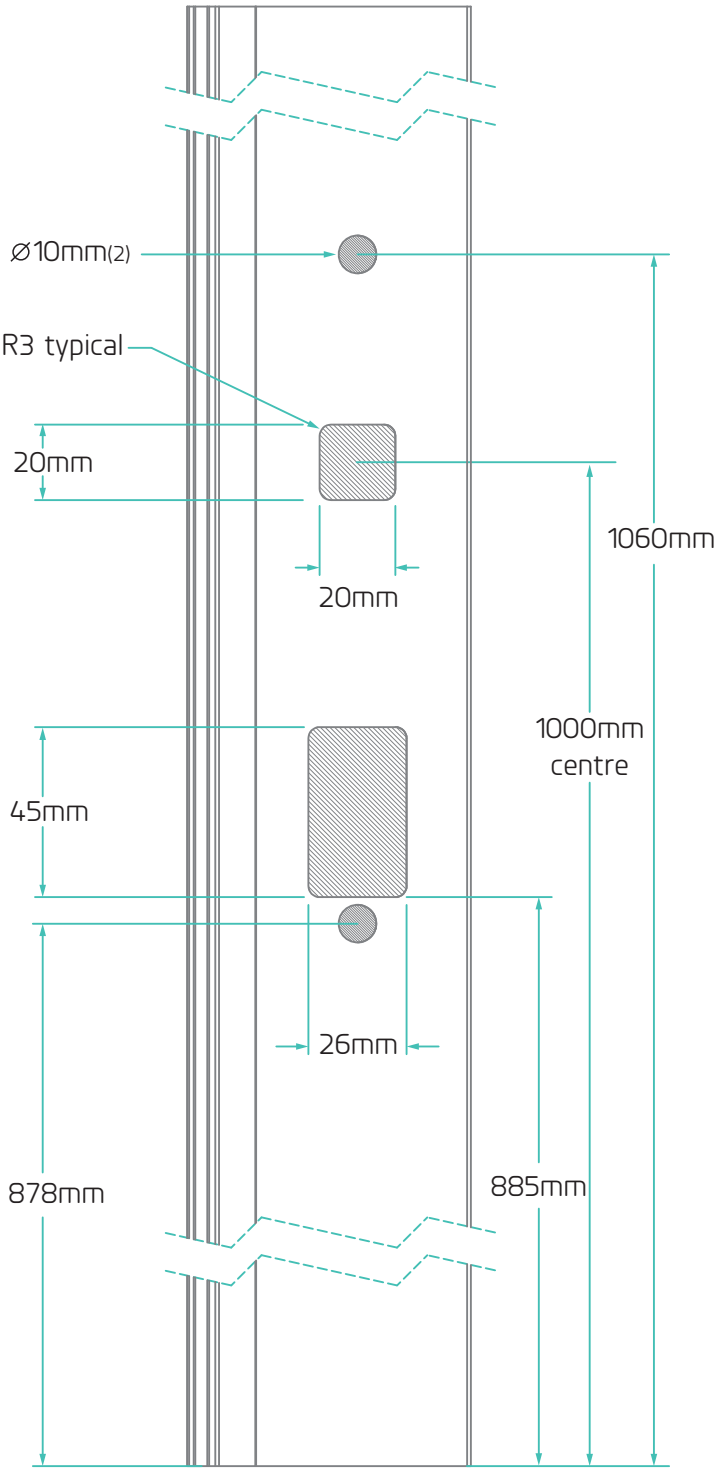
*NOTE: Cut-outs are to suit 1000mm handle height from stile bottom.
Handle depictions not to scale.

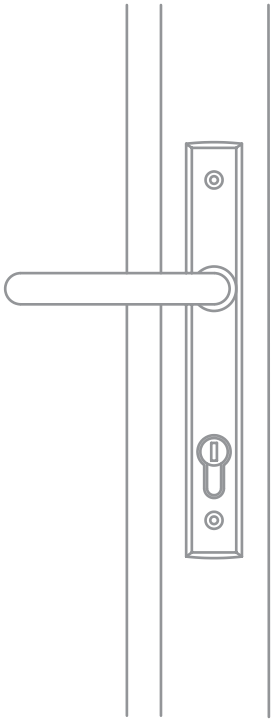


Handle cut-outs
(both faces)

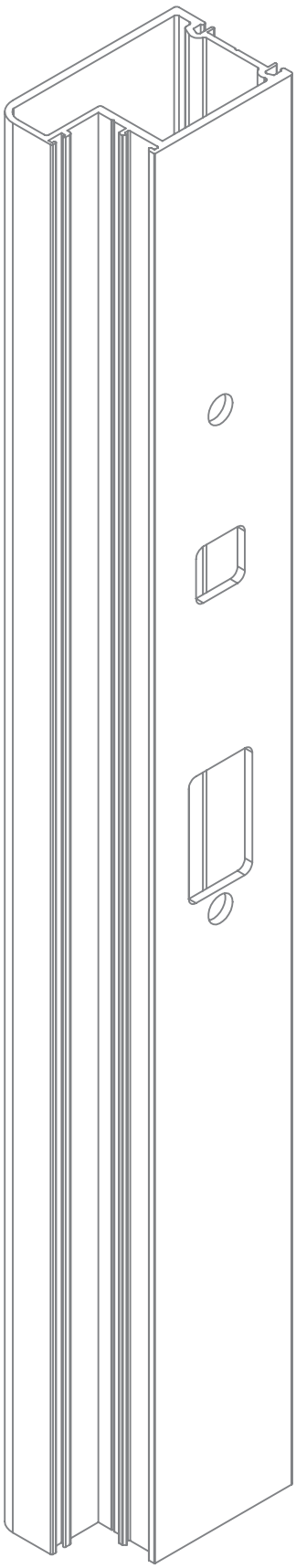


OUTSIDE FACE



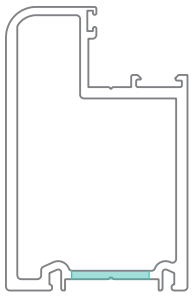


INSIDE FACE

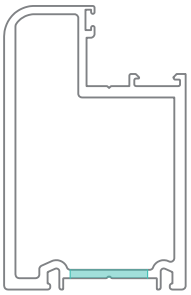


WAWF006
stile

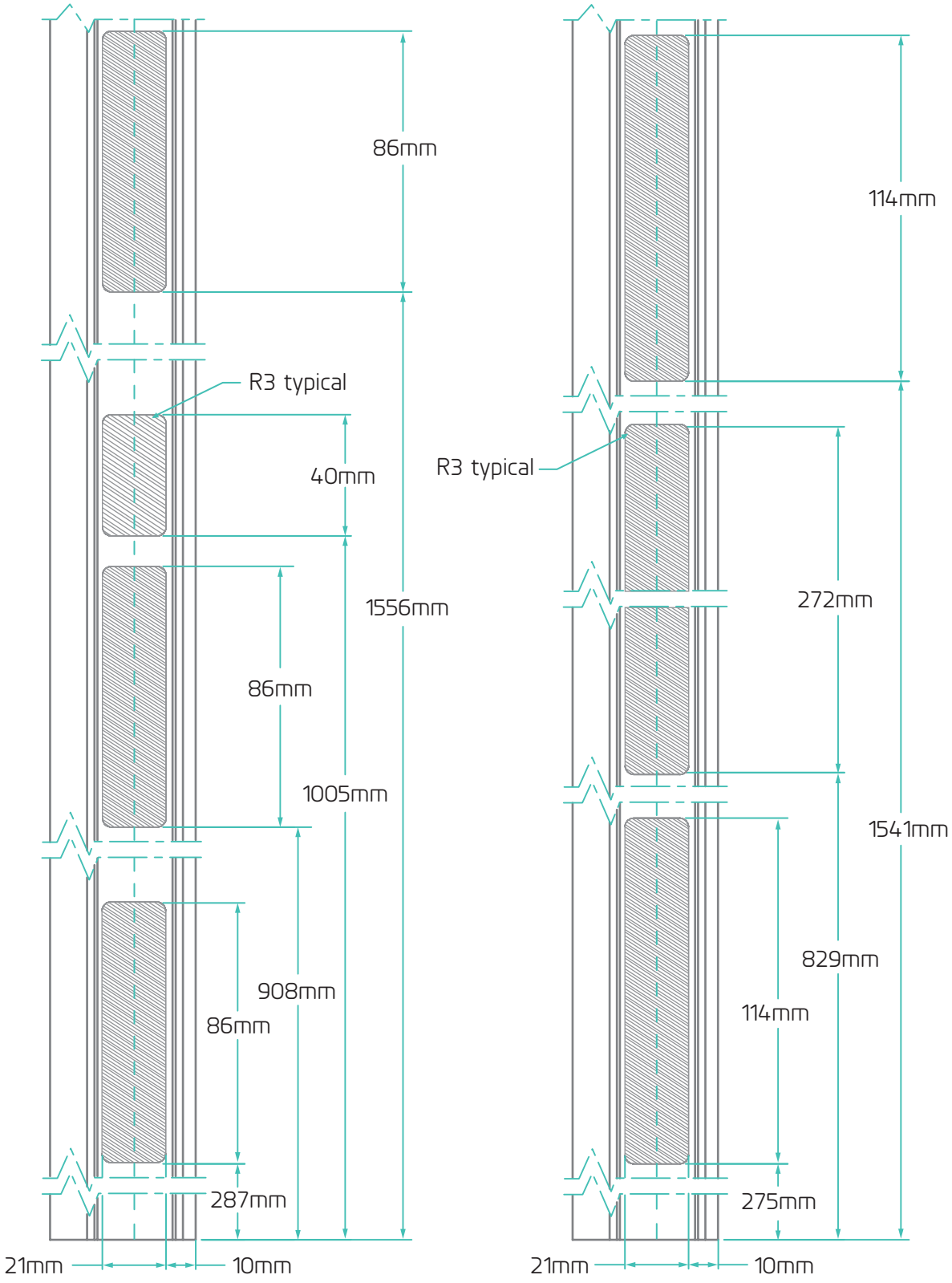
*NOTE: Cut-outs are to suit 1000mm handle height from stile bottom.
Handle depictions not to scale.



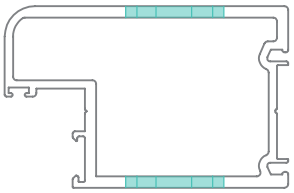
Lock cut out



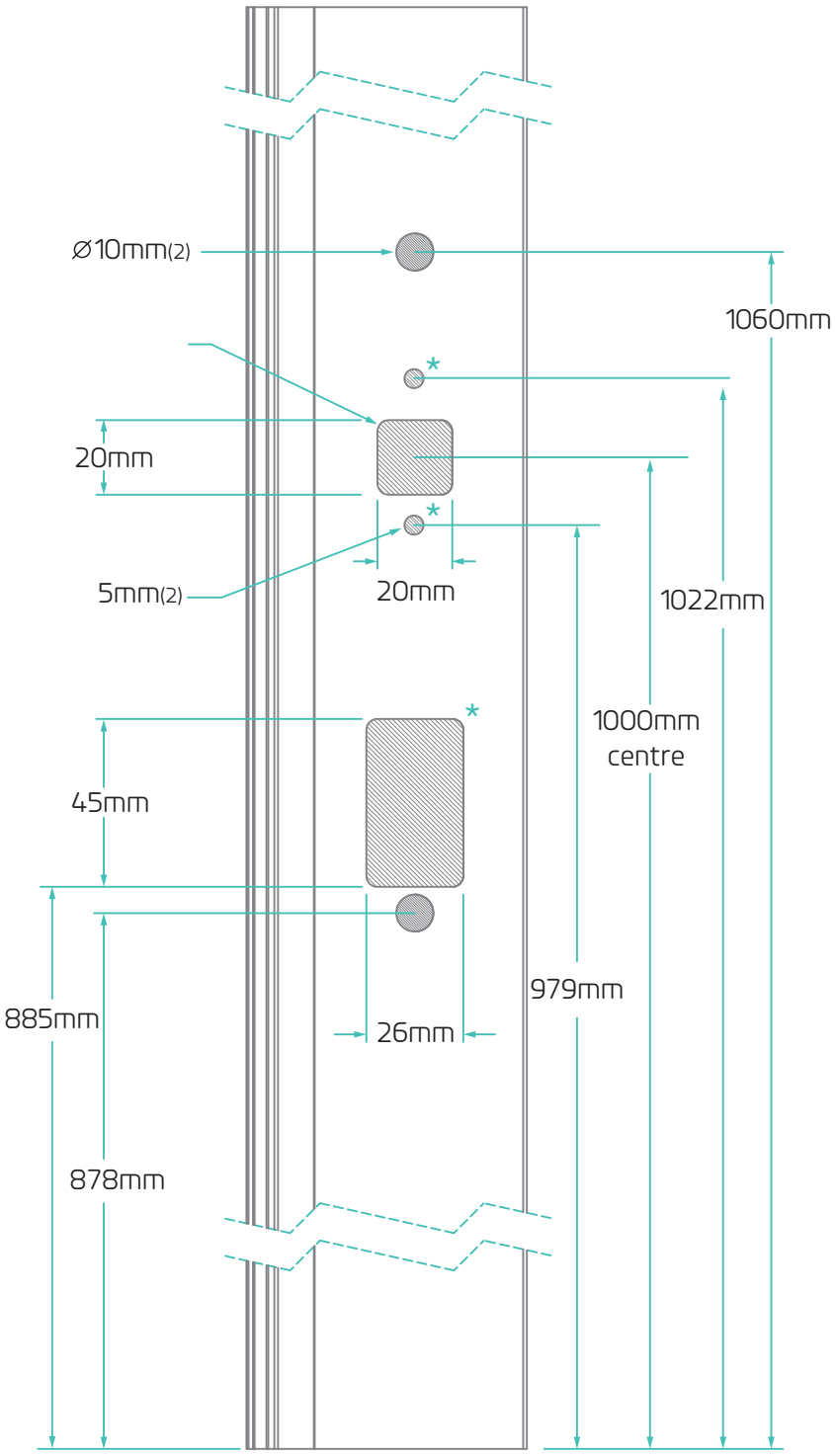
Striker cut out (WFA422, WFA423)

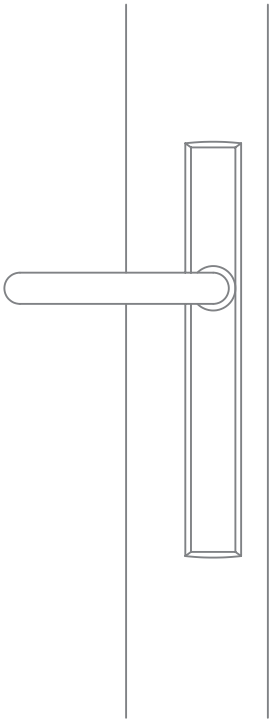


*NOTE: Cut-outs are to suit 1000mm handle height from stile bottom

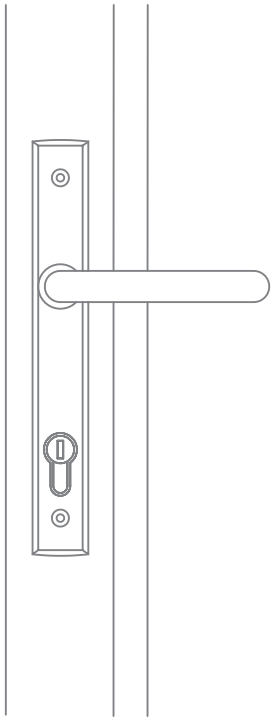


WFA424 aluminium rod cutting sizes at 1000mm handle centre height			
frame height	2100mm	2400mm	2700mm
top rod	890mm	1190mm	1490mm
bottom rod	825mm	825mm	825mm



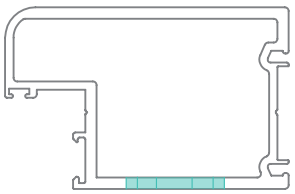


OUTSIDE FACE



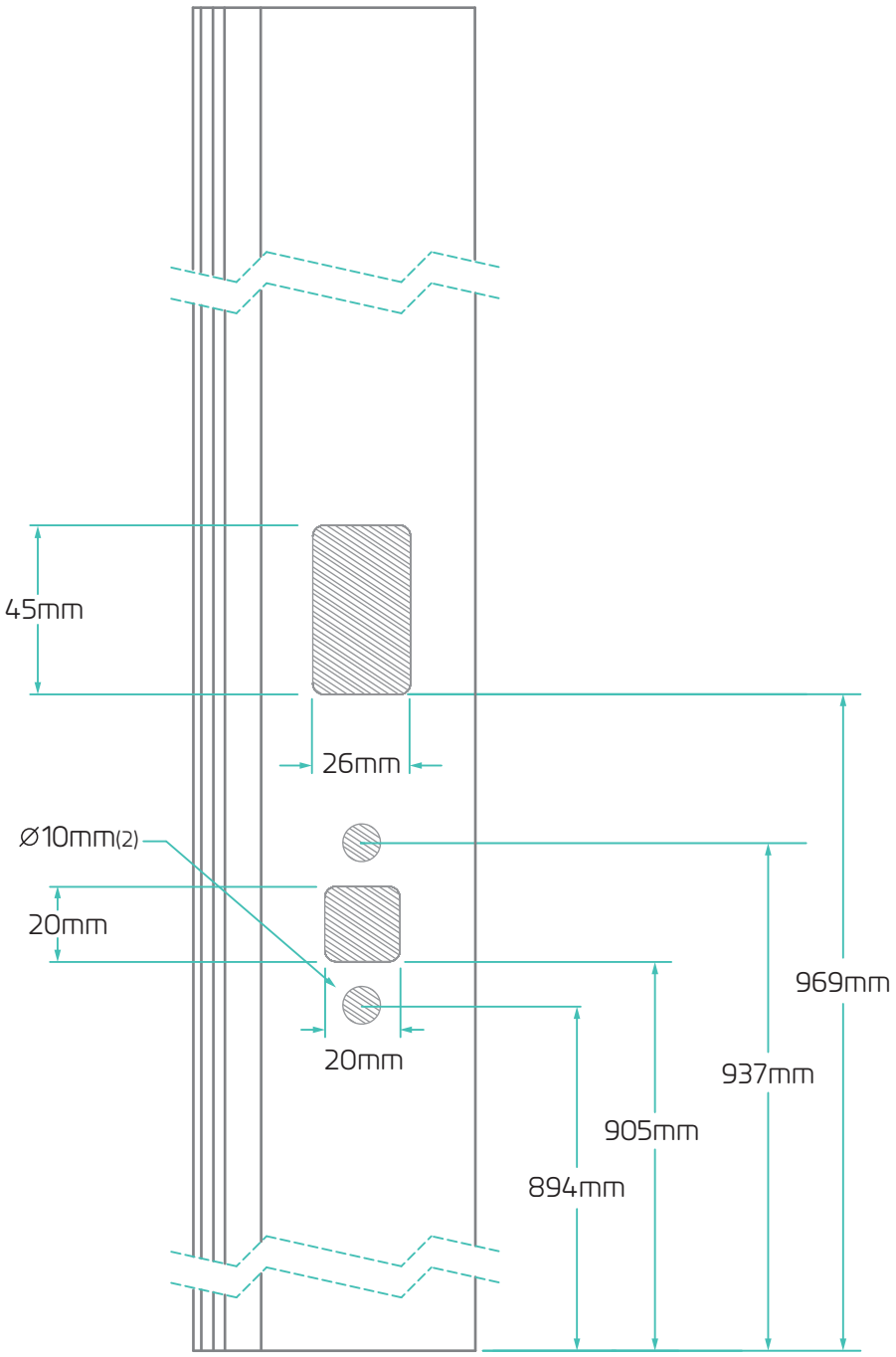
INSIDE FACE

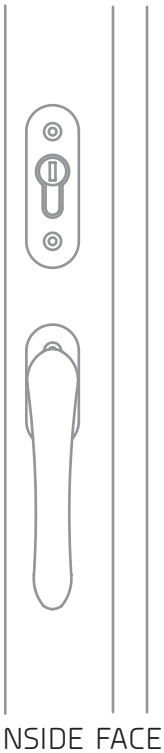
*NOTE: Use WFA020 packers to locate lock (large packer to outside face).
Cut-outs are to suit 1000mm handle height from stile bottom.
* Cylinder cut-out and fixing holes to inside stile face only.



Cut-out to
inside only

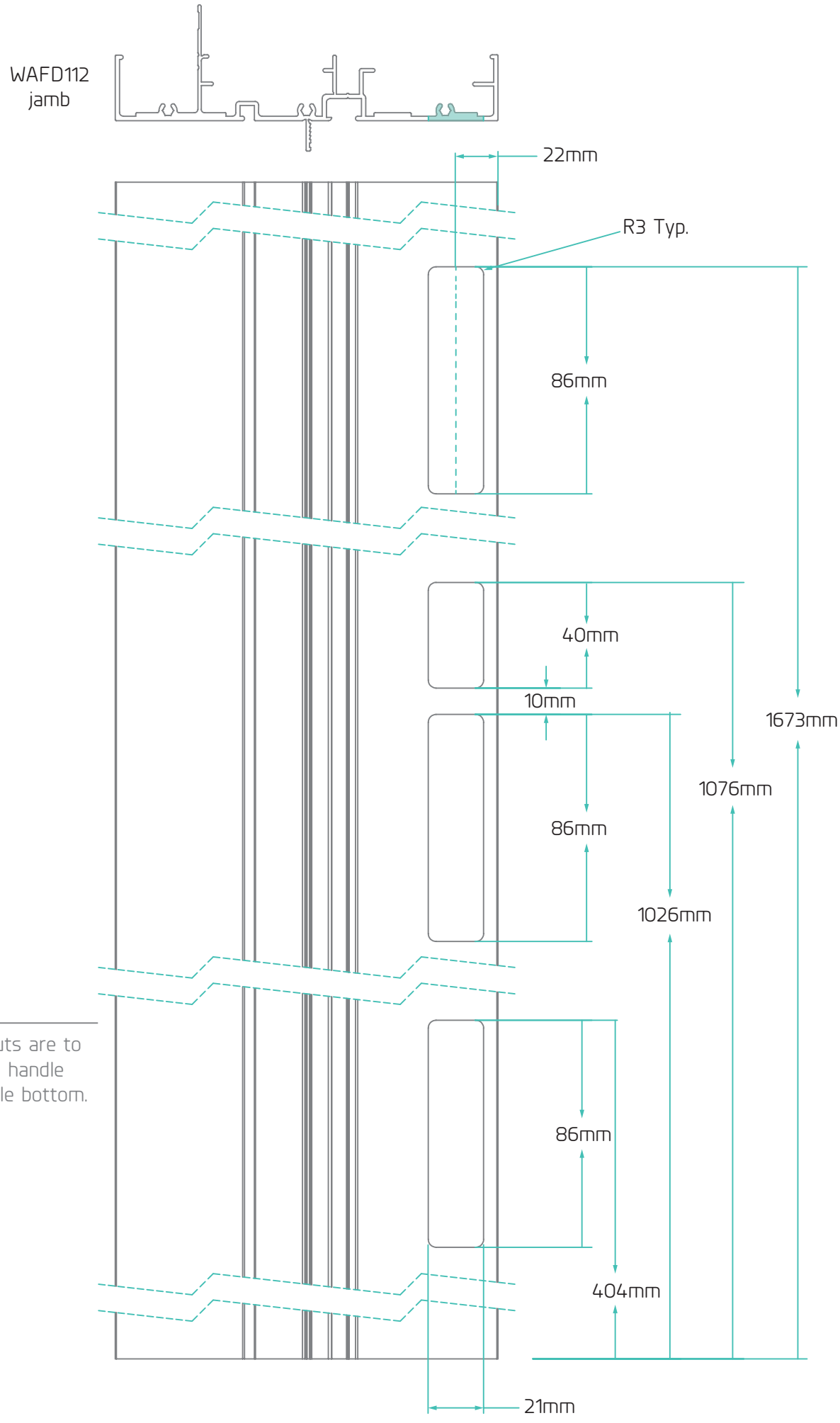
WFA450 aluminium rod cutting sizes at 1000mm handle centre height			
frame height	2100mm	2400mm	2700mm
top rod	916mm	1216mm	1516mm
bottom rod	799mm	799mm	799mm



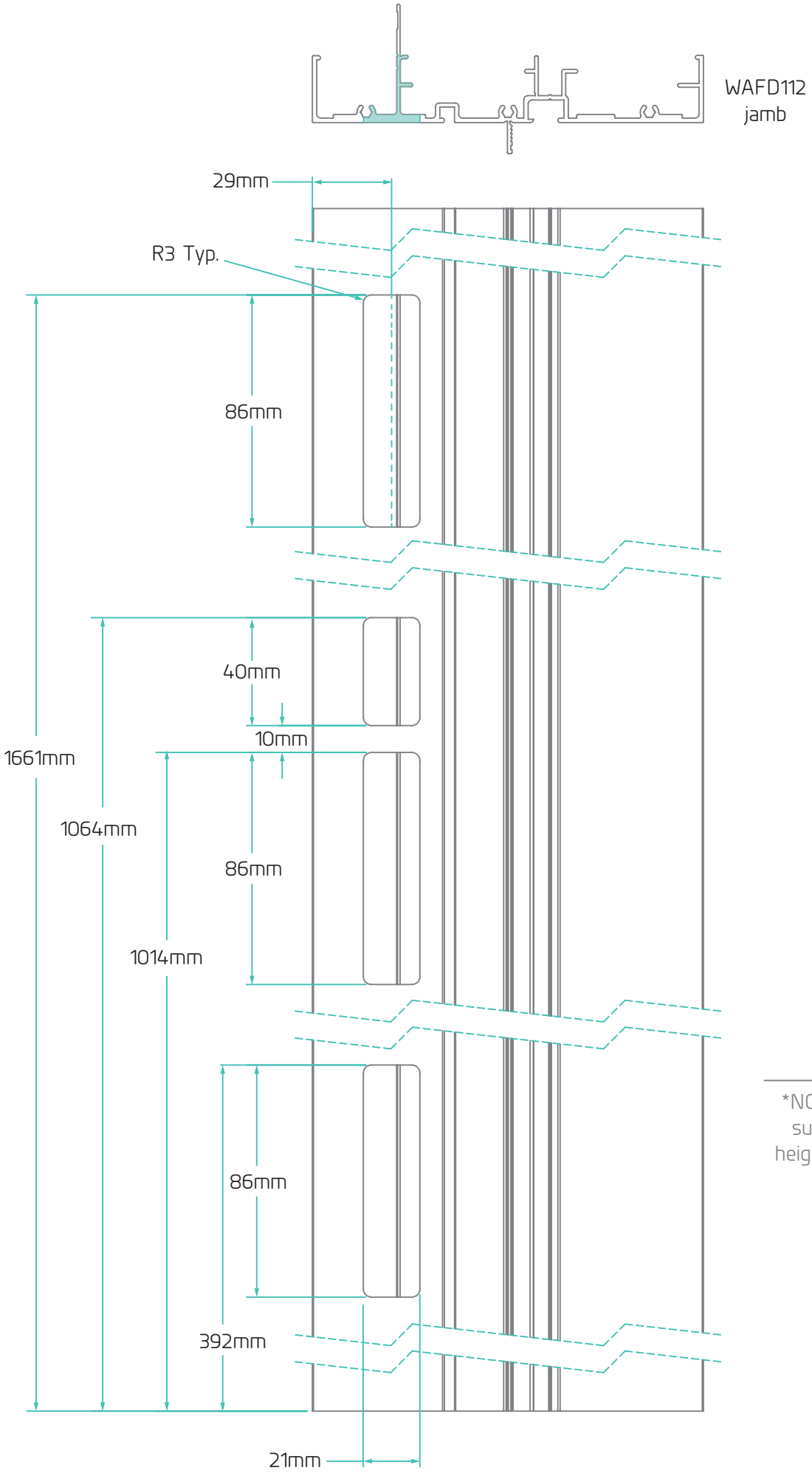


INSIDE FACE

*NOTE: Use WFA020 packers to locate lock (large packer to outside face).

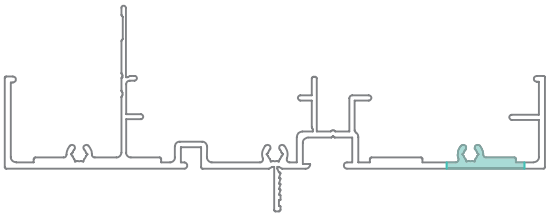


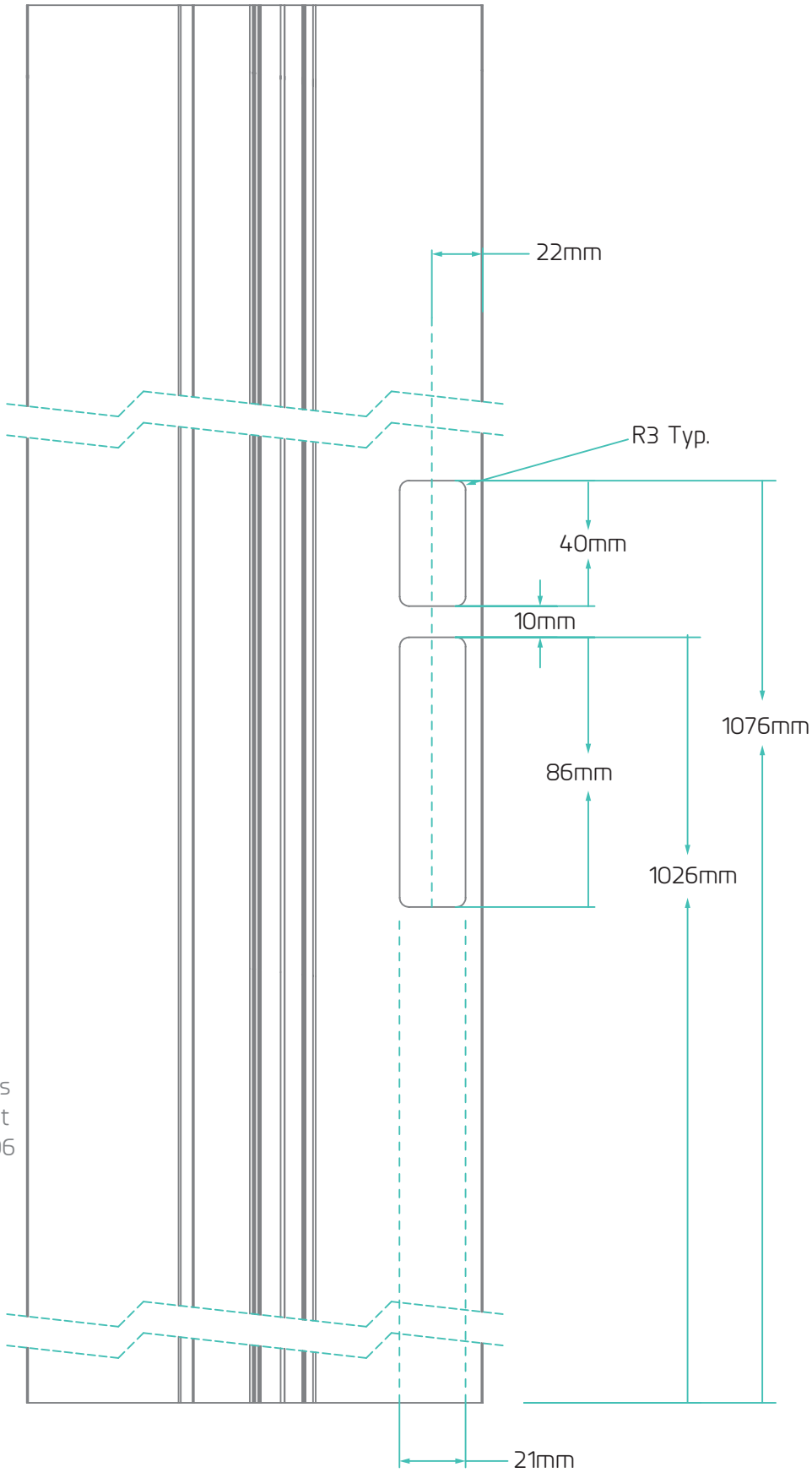
*NOTE: Cut outs are to suit 1000mm handle height from stile bottom.



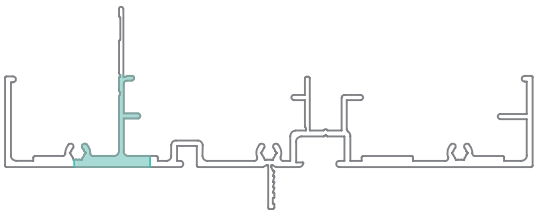
*NOTE: Cut outs are to suit 1000mm handle height from stile bottom.

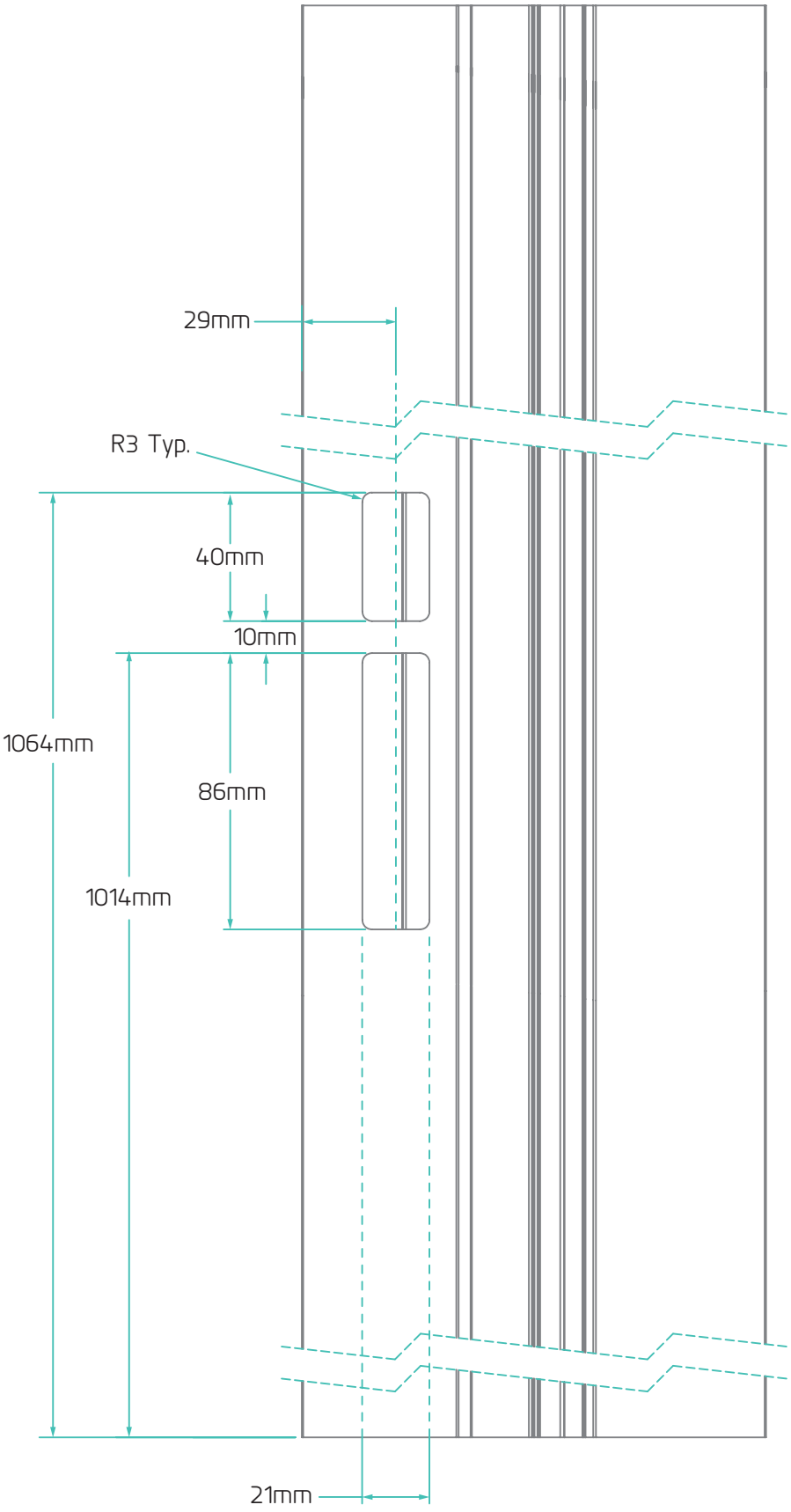
WAFD112
jamb





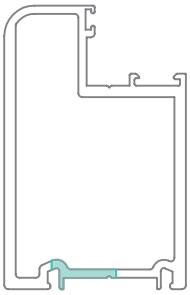
*NOTE: All striker cut out dimensions are for use with WFA422 & WFA423 striker kits to suit a 1000mm lock cut out from the bottom of WAWF006 stile to centre of handle.



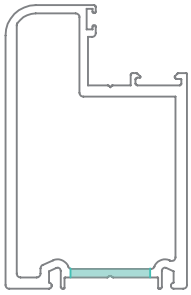


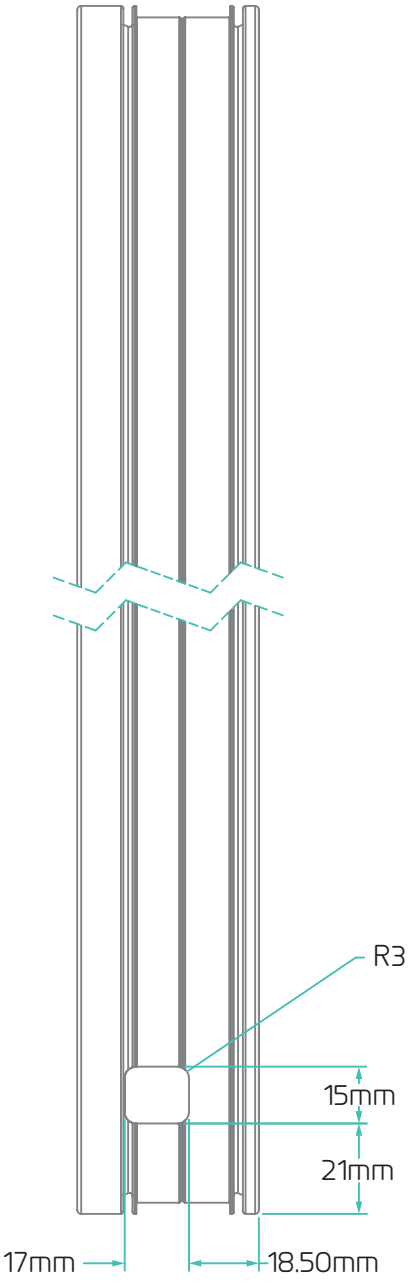
*NOTE: All striker cut out dimensions are for use with WFA422 & WFA423 striker kits to suit a 1000mm lock cut out from the bottom of WAWF006 stile to centre of handle.

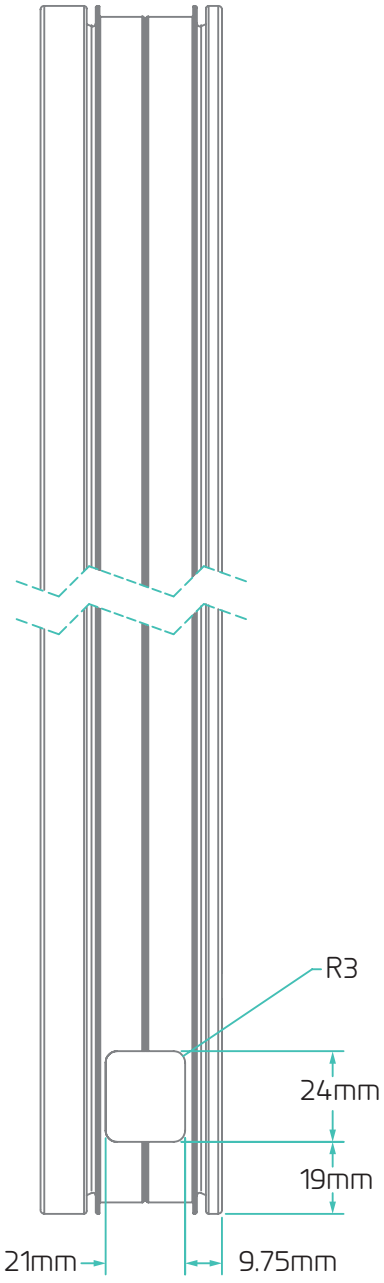
OPEN IN



OPEN OUT

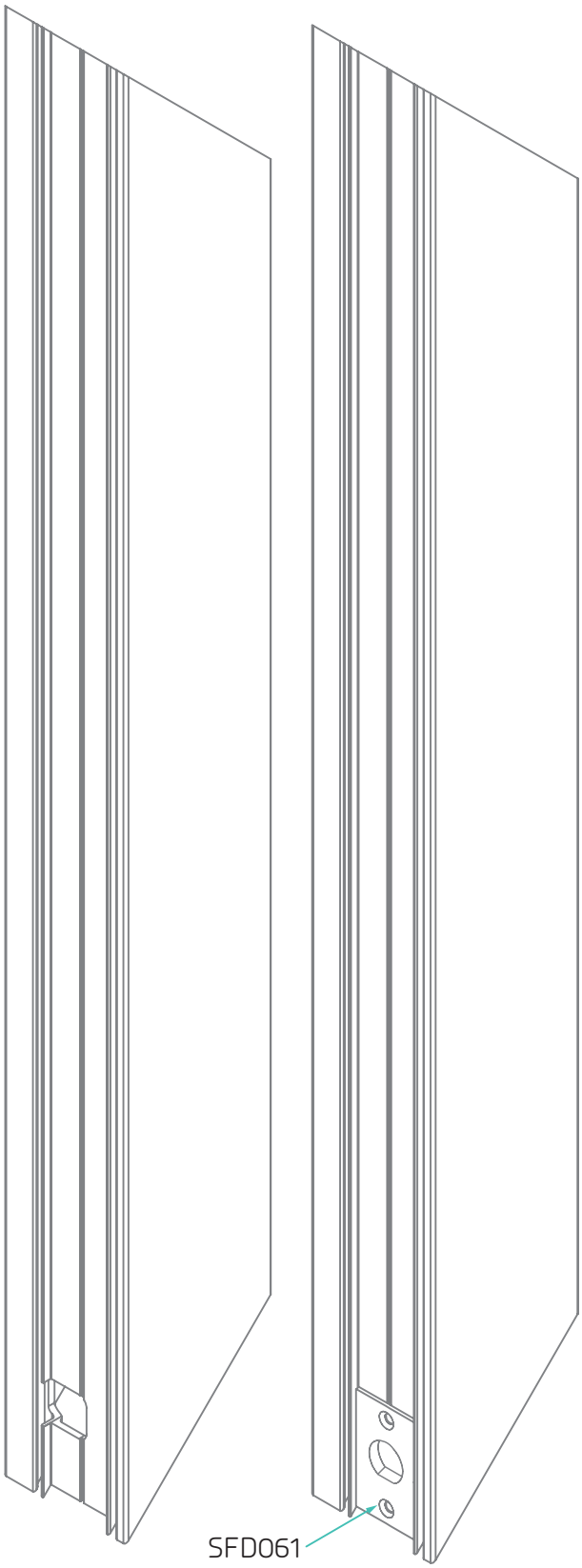




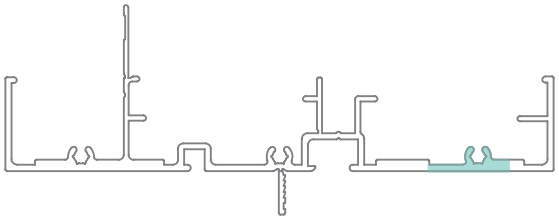


OPEN IN

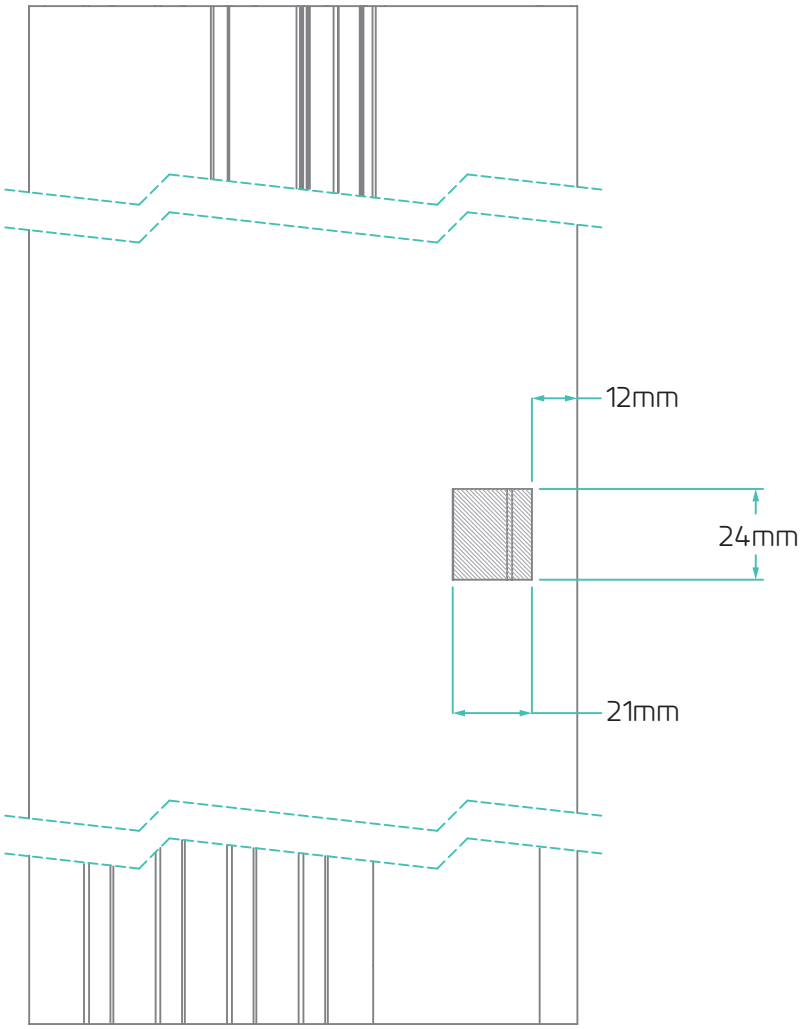
OPEN OUT

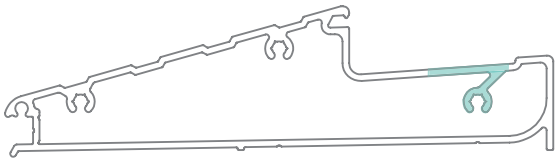


*NOTE: SFD061 fixing location in open out only sash.



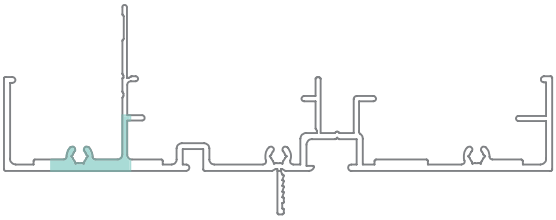
WAFD112
head & jamb



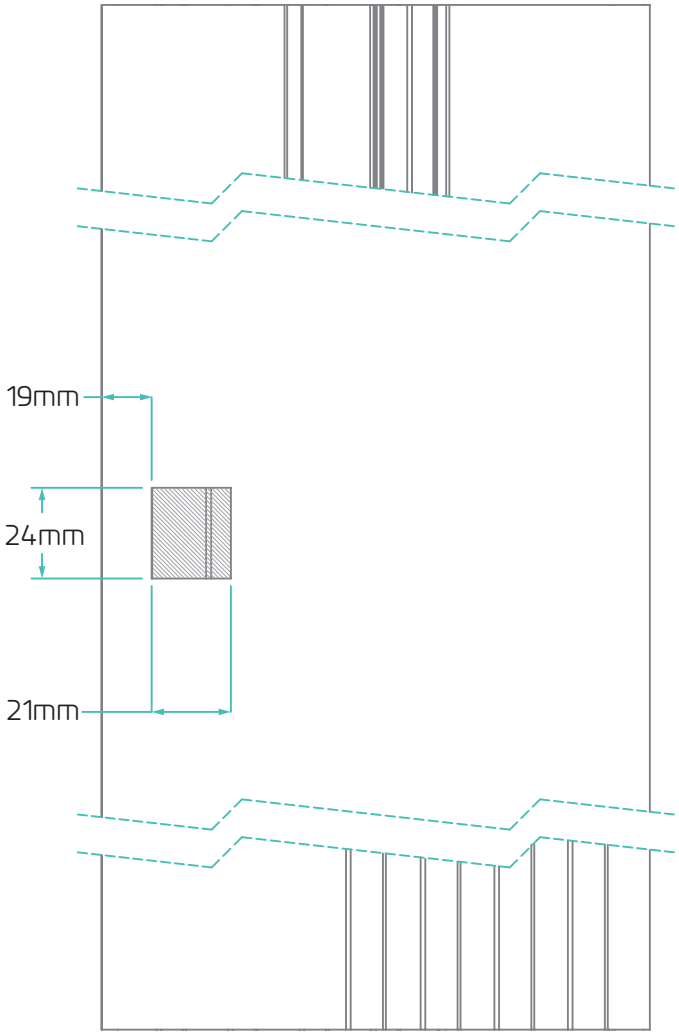


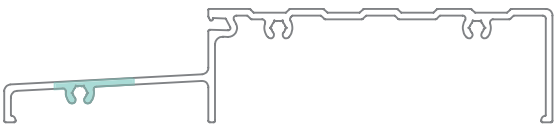
WAFD111
inswing sill

*NOTE: Cut made to inside of both head and sill and positioned in accordance to through bolt position.



WAFD112
head & jamb

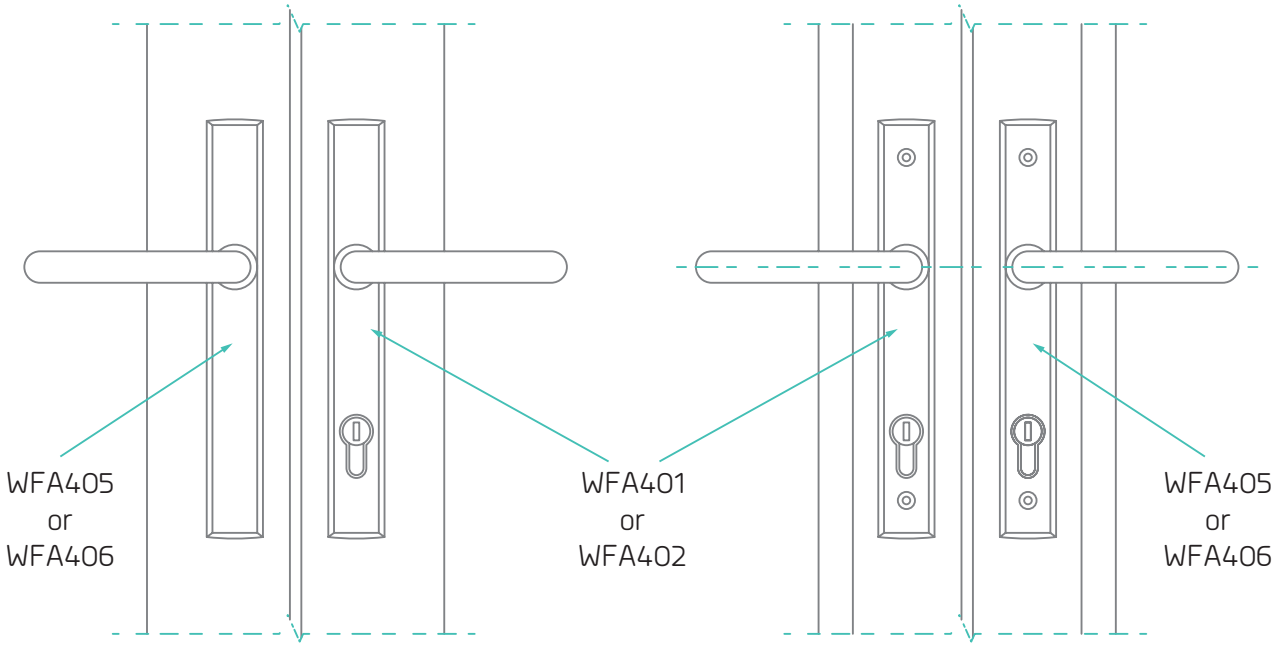




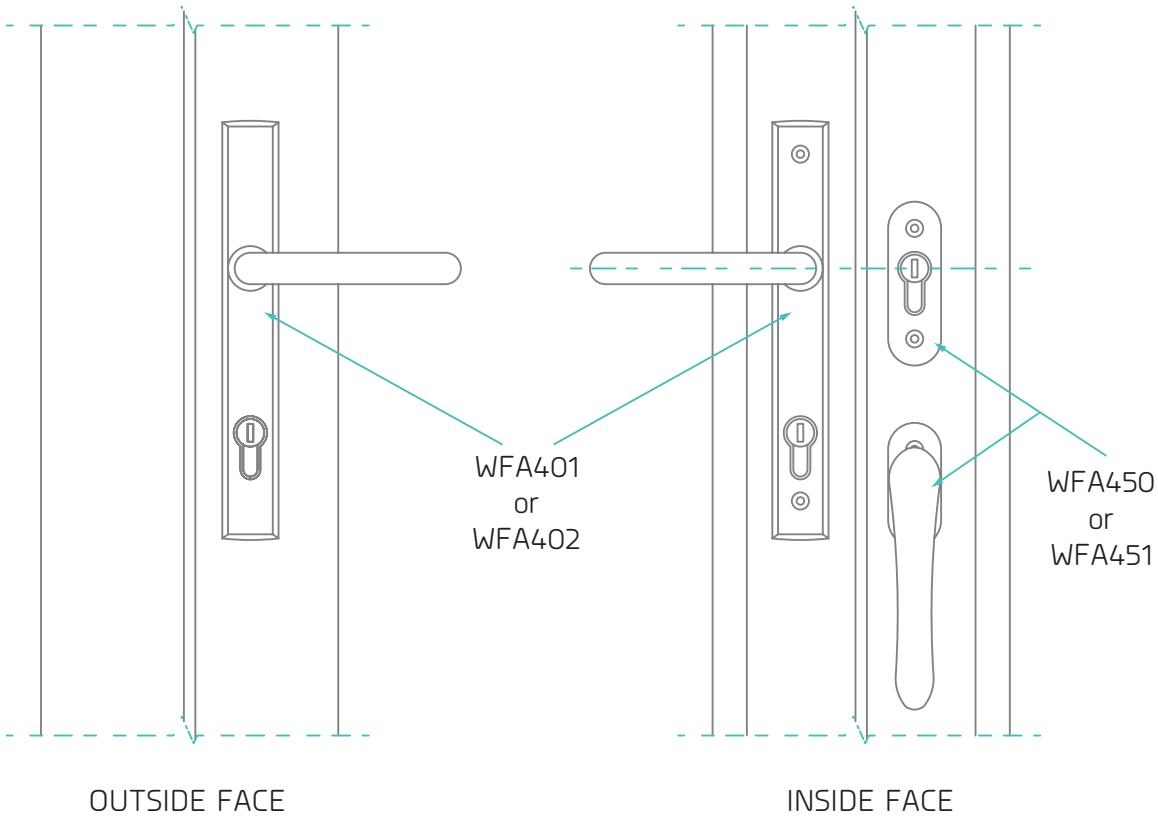
WAFD115
outswing sill

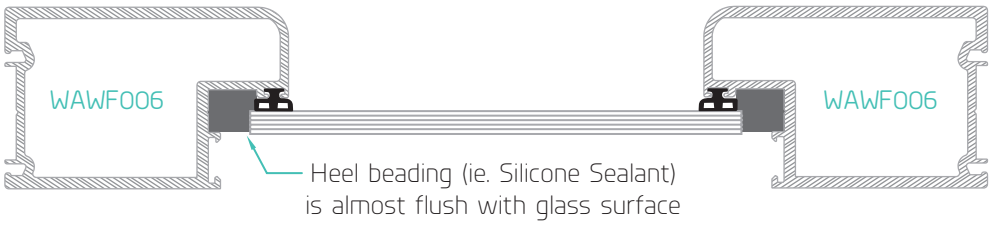
*NOTE: Cut made to outside of both head and sill and positioned in accordance to through bolt position.

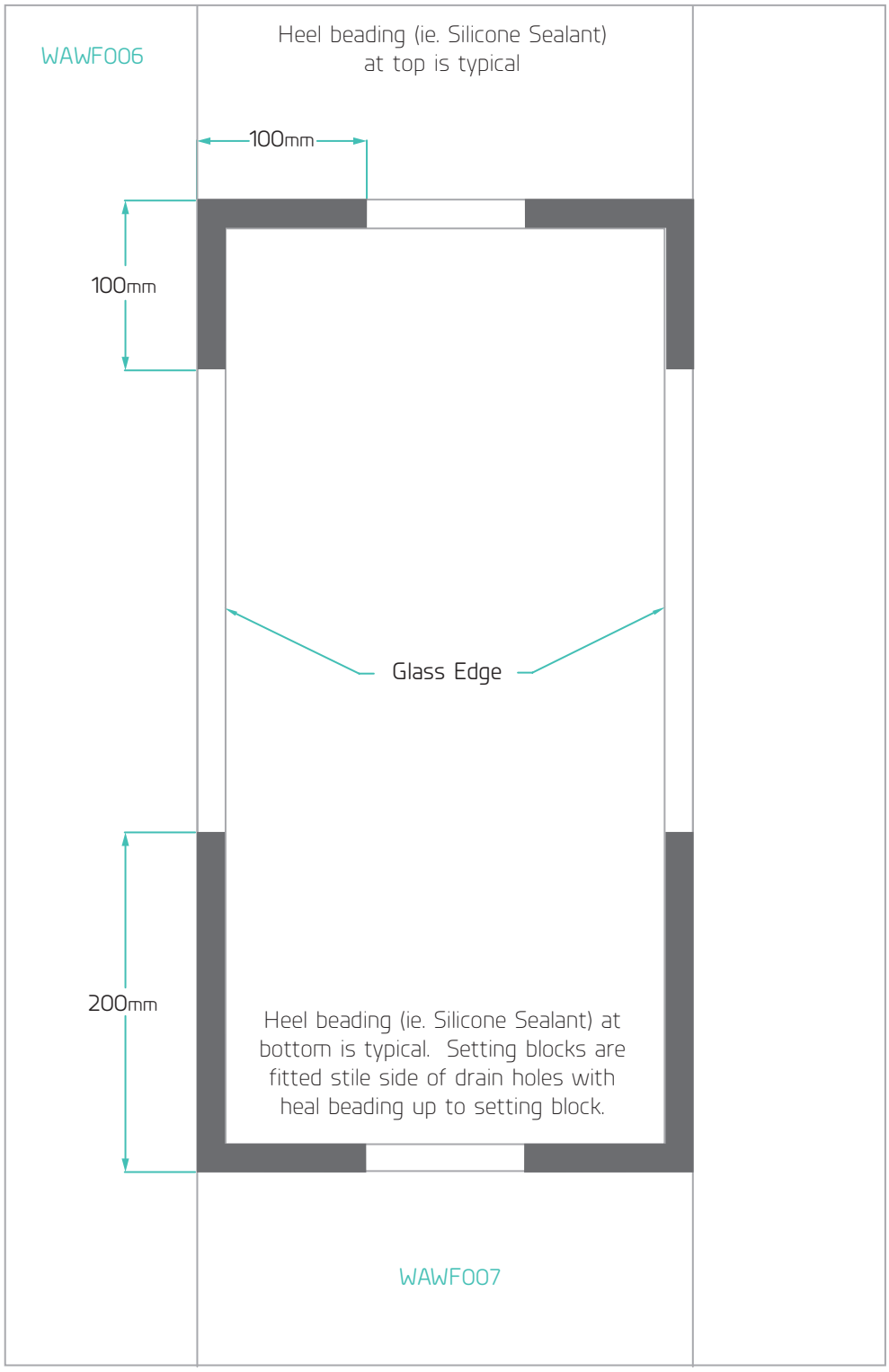
ACTIVE & INACTIVE LOCK OPTIONS - 1
FOR PAIRED DOOR SASHES



ACTIVE & INACTIVE LOCK OPTIONS - 2
FOR PAIRED DOOR SASHES




WAWF006
WAWF006
Heel beading (ie. Silicone Sealant)
is almost flush with glass surface


WAWF006
Heel beading (ie. Silicone Sealant)
at top is typical
100mm
100mm
Glass Edge
200mm
Heel beading (ie. Silicone Sealant) at
bottom is typical. Setting blocks are
fitted stile side of drain holes with
heal beading up to setting block.
WAWF007


WAWF007
WAWF007

ASPEN WAFW006 DOOR MEETING STILES MAXIMUM PRESSURE RATING (PA)

PANEL WIDTH (mm)

HEIGHT (mm)		700	750	800	850	900	950	1000
2100	S	4532	4291	4082	3899	3739	3596	3470
	U	6174	5845	5561	5312	5093	4899	4727
2200	S	3906	3696	3513	3353	3212	3087	2976
	U	5574	5274	5013	4785	4583	4405	4246
2300	S	3391	3206	3045	2904	2780	2669	2571
	U	5059	4783	4523	4333	4147	3983	3836
2400	S	2962	2799	2657	2532	2422	2324	2237
	U	4611	4357	4136	3942	3771	3618	3483
2500	S	2603	2458	2332	2221	2123	2036	1959
	U	4221	3986	3781	3602	3443	3302	3176
2600	S	2300	2170	2058	1959	1872	1794	1725
	U	3878	3660	3471	3304	3157	3026	2909
2700	S	2042	1926	1825	1737	1658	1589	1527
	U	3576	3373	3197	3042	2905	2783	2674

ASPEN WAFD112/114 MULLION MAXIMUM PRESSURE RATING (PA)

PANEL WIDTH (mm)

HEIGHT (mm)		600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
1800	S	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	U	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000
2100	S	8000	8000	8000	8000	8000	7611	7209	6884	6621	6408	6239	6107	6008
	U	8000	8000	8000	8000	8000	8000	8000	8000	7914	7660	7458	7300	7181
2400	S	7885	6923	6209	5661	5229	4882	4600	4367	4174	4014	3881	3770	3680
	U	8000	8000	8000	7734	7144	6670	6284	5966	5703	5484	5302	5151	5027
2700	S	5451	4772	4266	3877	3568	3319	3115	2946	2804	2684	2582	2496	2423
	U	8000	7334	6557	5958	5484	5101	4788	4527	4309	4125	3969	3836	3724
3000	S	3925	3428	3057	2771	2543	2359	2208	2081	1975	1884	1806	1740	1682
	U	6703	5854	5220	4731	4343	4029	3770	3554	3372	3217	3085	2971	2873
3300	S	2919	2545	2265	2049	1877	1737	1622	1525	1444	1374	1314	1262	1216
	U	5484	4780	4255	3848	3525	3263	3047	2865	2712	2581	2468	2370	2285
3600	S	2230	1941	1725	1558	1424	1316	1227	1151	1088	1033	986	945	909
	U	4570	3977	3535	3192	2919	2697	2514	2359	2229	2117	2020	1936	1862

Maximum deflection is limited to Span/250

Maximum stress using 6060-T5 alloy limited to 110MPa

S = Serviceability limit state wind pressure, U = Ultimate limit state wind pressure

ASPEN WAFD112/114 TRANSOM MAXIMUM PRESSURE RATING (PA)

PANEL WIDTH (mm)

HEIGHT (mm)	STACK HEIGHT		900	1000	1200	1500	1800	2100	2400	2700	3000	3300	3600
2400	300	S	8000	8000	8000	8000	8000	8000	5661	3712	2569	1854	1382
	2100	U	8000	8000	8000	8000	8000	8000	7734	5704	4387	3482	2832
2700	600	S	8000	8000	8000	8000	8000	7900	4852	3201	2225	1611	1204
	2100	U	8000	8000	8000	8000	8000	8000	6629	4919	3800	3026	2467
2700	900	S	8000	8000	8000	8000	8000	7033	4329	2860	1990	1442	1078
	2100	U	8000	8000	8000	8000	8000	8000	5914	4395	3399	2708	2210
3000	300	S	8000	8000	8000	8000	8000	8000	5589	3597	2457	1756	1300
	2400	U	8000	8000	8000	8000	8000	8000	7636	5528	4196	3299	2663
3000	600	S	8000	8000	8000	8000	8000	7900	4800	3115	2141	1537	1141
	2400	U	8000	8000	8000	8000	8000	8000	6557	4788	3656	2886	2338
3300	900	S	8000	8000	8000	8000	8000	7033	4287	2791	1922	1382	1027
	2400	U	8000	8000	8000	8000	8000	8000	5857	4290	3283	2596	2106
3000	300	S	8000	8000	8000	8000	8000	8000	5589	3560	2395	1692	1242
	2700	U	8000	8000	8000	8000	8000	8000	7636	5472	4090	3179	2545
3300	600	S	8000	8000	8000	8000	8000	7900	4800	3088	2093	1488	1096
	2700	U	8000	8000	8000	8000	8000	8000	6557	4745	3575	2794	2247
3600	900	S	8000	8000	8000	8000	8000	7033	4289	2769	1884	1342	991
	2700	U	8000	8000	8000	8000	8000	8000	5857	4256	3217	2521	2031

Maximum deflection is limited to Span/250
Maximum stress using 6060-T5 alloy limited to 110MPa
Stack height = highlight and lowlight heights
S = Serviceability limit state wind pressure, U = Ultimate limit state wind pressure

wintec systems

SINCE OUR BEGINNING IN 1997, WE HAVE DEVELOPED A RANGE OF WINDOW AND DOOR PRODUCTS THAT ARE INNOVATIVE, FUNCTIONAL AND STYLISH.

Wintec Systems windows and doors are an all Australian designed and manufactured product, with modern designs and quality finish at the forefront of the Wintec philosophy.

An ongoing commitment to product development and service to our Australia wide fabricator base ensures that no matter where you are, you have access to the latest designs in the Window and Door industry.

ASPEN HINGED DOOR FEATURES & BENEFITS

Frame widths available in 145mm Strong hollow rails, stiles and mid rails give this hinged door the edge in strength and serviceability.
Unique "Z" seals and Q'lon seals used for the head, sill and stiles provide excellent sealing from the weather and guarantee air tightness, noise & energy efficiency.

The hollow sill also feature an efficient self draining system for standard aluminium or timber door sashes.

Doors can be opened inwards as well as outwards and the open in door features a sloped sill for better wheelchair access & water run-off.

The open in hinged doors double rebate jambs are suited for security doors.

"BUILDING PRODUCTS BEYOND THE STANDARDS"

WINDOW & DOOR TESTING LABORATORY

The Wintec designed products are tested to Australian standard AS2047 in NATA accredited laboratory No 14093. This ensures your windows and doors comply with the building code of Australia [BCA] and are suited to your particular location. In line with the BCA requirements Wintec windows and doors carry a 7 year guarantee.

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ULLRICH ALUMINIUM

AWA AUSTRALIAN WINDOW ASSOCIATION

NATA ACCREDITATION

WINDOW ENERGY RATING