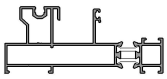
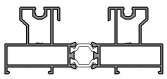
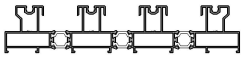
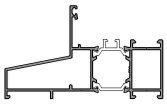
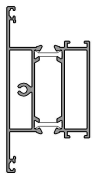
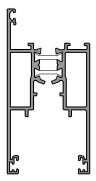


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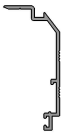
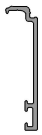
TABLES

LIST OF PROFILES

OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	202 - 203	1,675	MONO RAIL FRAME PROFILE	8.1 / 56.7
	201 - 201	1,870	DOUBLE RAIL FRAME PROFILE	11.7 / 60
	201 - 204 - 201	2,945	TRIPLE RAIL FRAME PROFILE	18.1 / 218.8
	201 - 204 -204 - 201	4,020	QUAD RAIL FRAME PROFILE	24.5 / 537.6
	502 - 503	1,556	38mm FRAME PROFILE	49.3 / 10.4
	221 - 205	1,574	52mm MULLION PROFILE	23.3 / 13.4
	213 - 214	1,693	LIFT & SLIDE SASH PROFILE	16.6 / 30.8
	241	435	INTERLOCK PROFILE	1.17 / 6

OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	242	395	COVER PROFILE	0.5 / 5.5
	231 - 231	1,070	DOUBLE SASH ADAPTOR PROFILE	9.2 / 1.3
	20068	130	ALUMINUM RAIL PROFILE	0.2 / 0.01
	141	330	BORDER PROFILE	
	405	292	BORDER PROFILE	

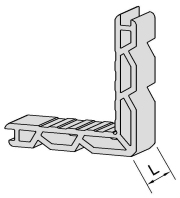
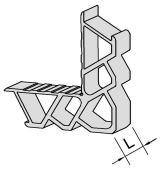
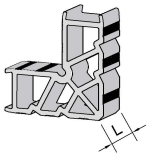
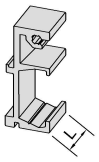
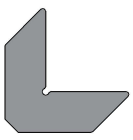
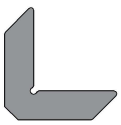
GLAZING BEAD PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	G11	122	4.5mm GLAZING BEAD PROFILE	0.03 / 0.25
	G12	130	7mm GLAZING BEAD PROFILE	0.04 / 0.3
	G13	135	9.5mm GLAZING BEAD PROFILE	0.05 / 0.3

GASKETS

DRAWING	CODE	MATERIAL	DESCRIPTION	PACKAGING
	MO68	EPDM	EXTERIOR GLAZING GASKET (h: 3-4 mm)	15 kg
	1002	EPDM	INTERIOR GLAZING GASKET (h: 2 mm)	15 kg
	1008	EPDM	INTERIOR GLAZING GASKET (h: 3-4 mm)	15 kg
	Z-GASKET-01	EPDM	CHANNEL CLOSING GASKET	15 kg
	01.18.23	EPDM	SASH GASKET	15 kg
	B817	EPDM	INTERLOCK GASKET FOR SASH	15 kg
	PB7-3P-67-650	Polypropylene	BRUSH GASKET	400 m
	UT94	PVC	PVC U CHANNEL FOR FRAME	3 m

ACCESSORIES

DRAWING	CODE	MATERIAL	DESCRIPTION	PACKAGING
	C117	ALUMINUM	PC203 L: 12 mm (use with 203)	50 pieces
			PC202-a L: 28 mm (use with 202)	
			PC204 L: 36 mm (use with 204)	
			PC201 , PC202-b L: 39 mm (use with 201 , 202)	
	C248	ALUMINUM	PC503 L: 11.7 mm (use with 503)	50 pieces
			PC502 L: 18.2 mm (use with 502)	
	C295	ALUMINUM	PC213 , PC214 L: 10.8 mm (use with 213 , 214)	50 pieces
	C2	ALUMINUM	MC205 L: 42.5 mm (use with 205)	50 pieces
	FUJI 2000	ALUMINUM	SASH and FRAME CORNER JOINT	500 pieces
	FUJI 2013	ALUMINUM	BORDER PROFILE CORNER JOINT	500 pieces
	MO 19	ALUMINUM	BORDER PROFILE CORNER JOINT	500 pieces

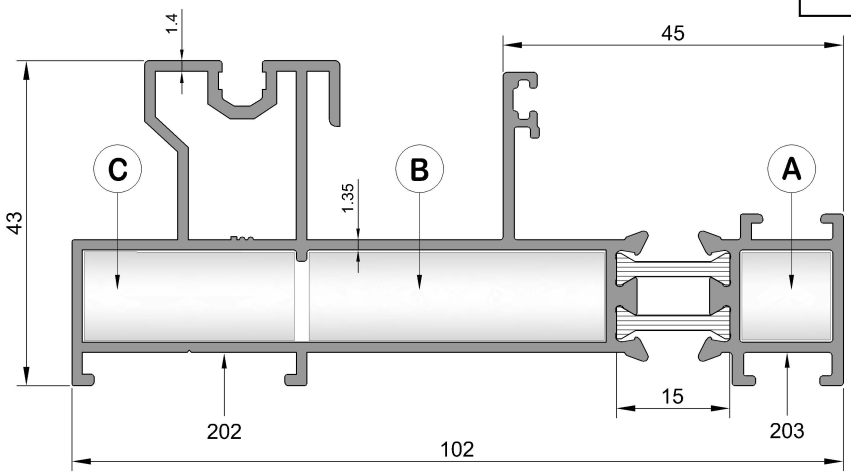
PROFILES

DRAWINGS

FULL SCALE SECTIONS

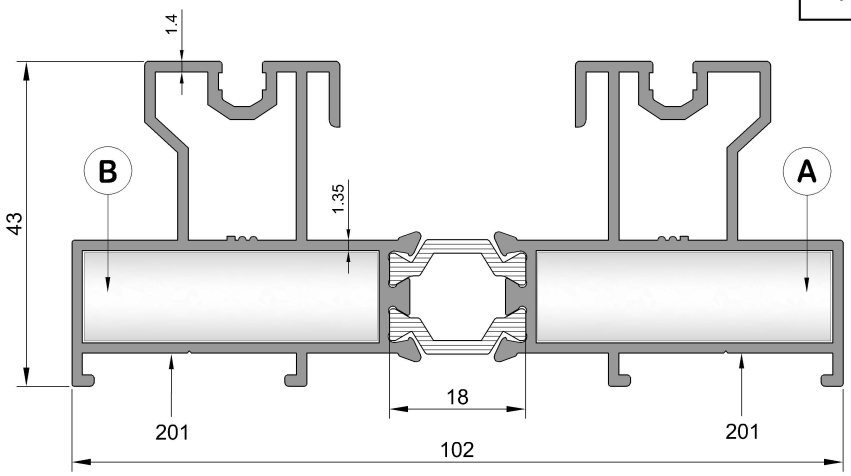
STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	202 - 203	1,675 g/m
8.1	56.7		

CORNER CLEATS	A	B	C
	C117 Length:12mm	C117 Length:39mm	C117 Length:28mm



STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	201 - 201	1,870 g/m
11.7	60		

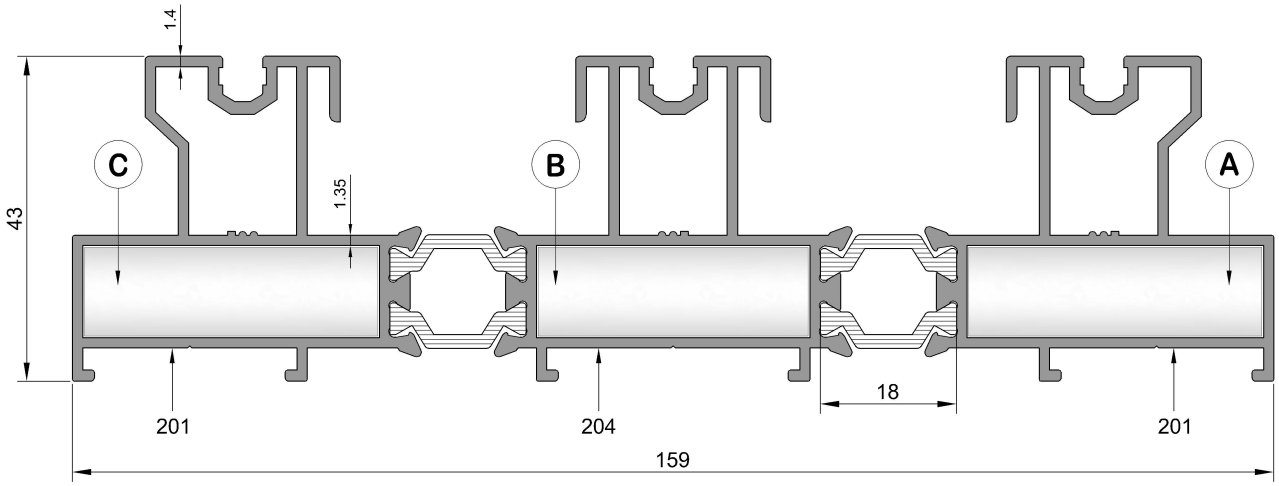
CORNER CLEATS	A	B
	C117 Length:39mm	C117 Length:39mm



FULL SCALE SECTIONS

STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	201 - 204 - 201	2,945 g/m
18.1	218.8		

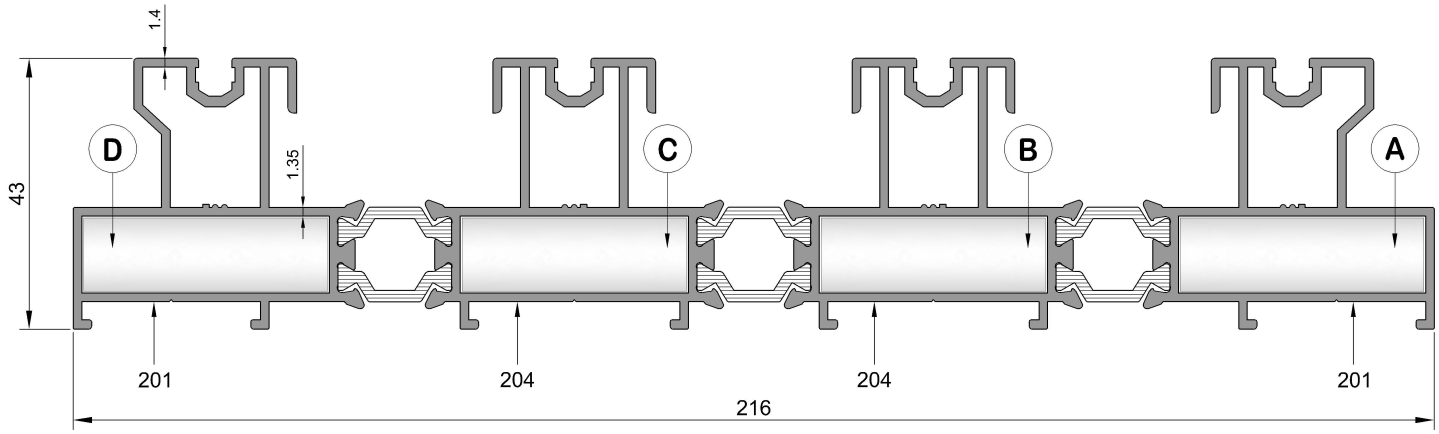
CORNER CLEATS	A	B	C
	C117 Length:39mm	C117 Length:36mm	C117 Length:39mm



FULL SCALE SECTIONS

STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	201 - 204 - 204 - 201	4,020 g/m
24.5	537.6		

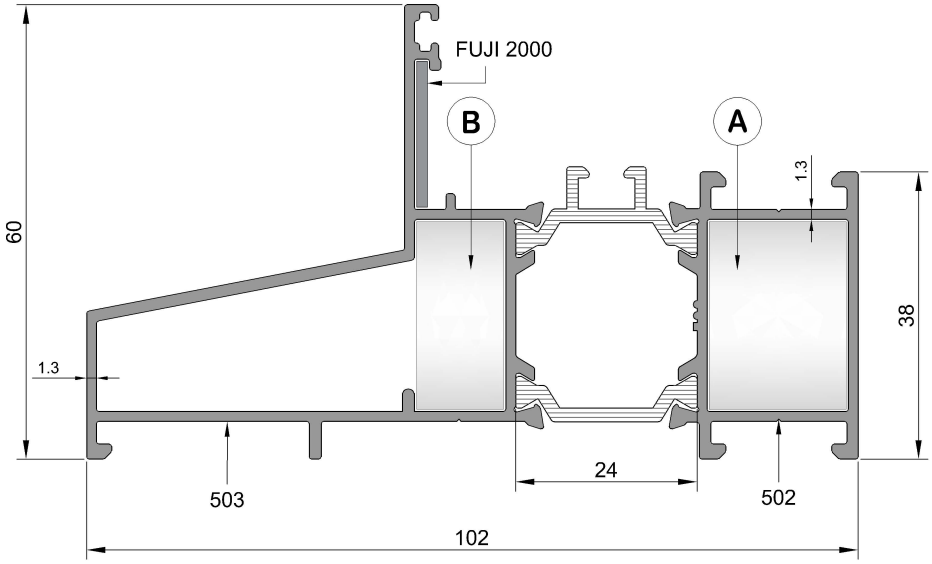
CORNER CLEATS	A	B	C	D
	C117 Length:39mm	C117 Length:36mm	C117 Length:36mm	C117 Length:39mm



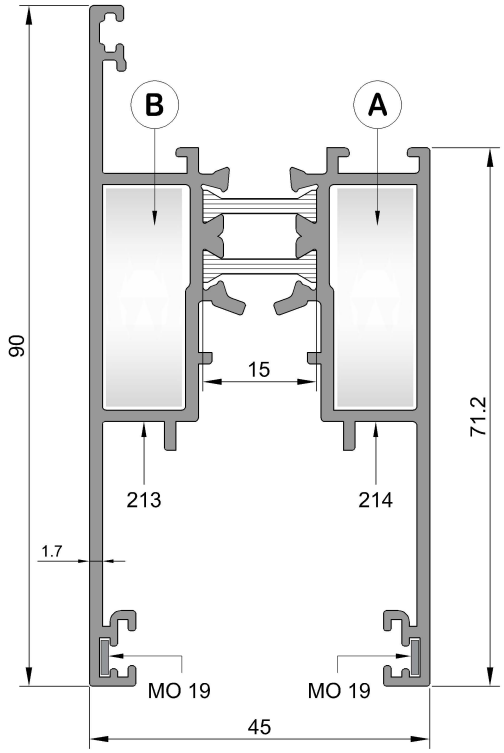
FULL SCALE SECTIONS

STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	502 - 503	1,556 g/m
49.3	10.4		

CORNER CLEATS	A	B
	C248 Length:18.2mm	C248 Length:11.7mm



FULL SCALE SECTIONS

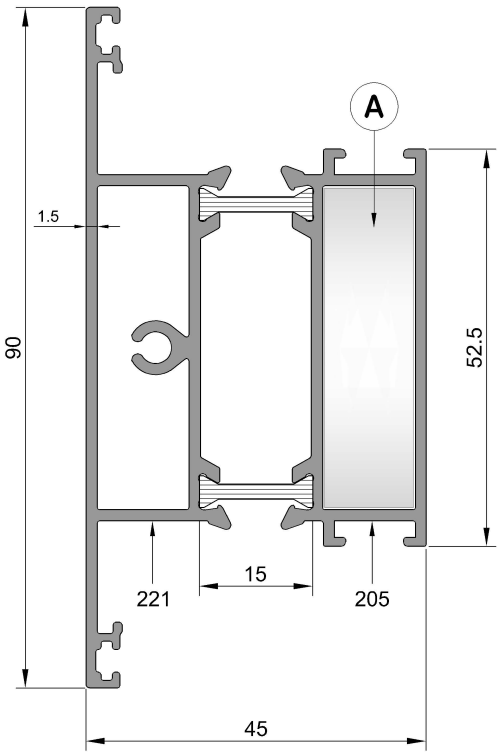


STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	213 - 214	1,693 g/m
16.6	30.8		

CORNER CLEATS	A	B
	C295 Length:10.8mm	C295 Length:10.8mm

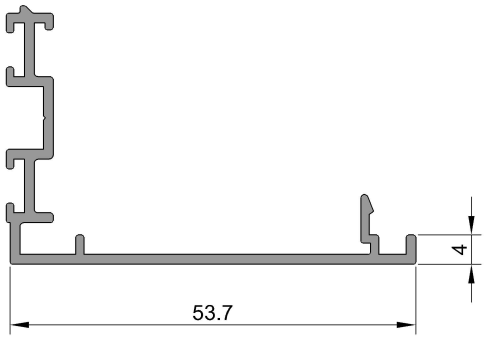
STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	221 - 205	1,574 g/m
23.3	13.4		

T JOINT	A
	C2 Length:42.5mm

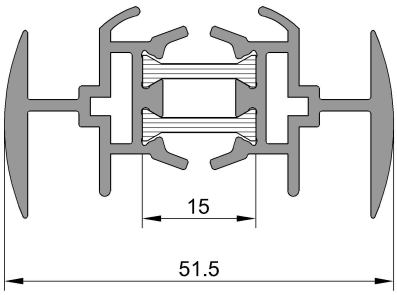


FULL SCALE SECTIONS

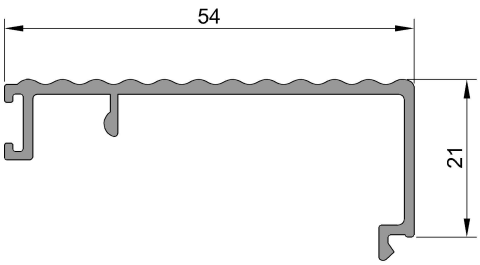
PROFILE CODE	Weight (kg/mt)
241	435 g/m



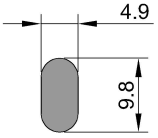
PROFILE CODE	Weight (kg/mt)
231 - 231	1,070 g/m



PROFILE CODE	Weight (kg/mt)
242	395 g/m



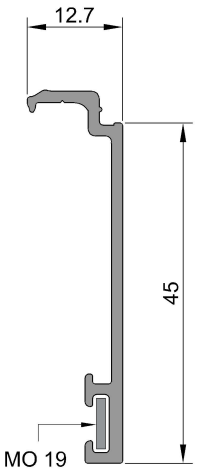
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20068	130 g/m

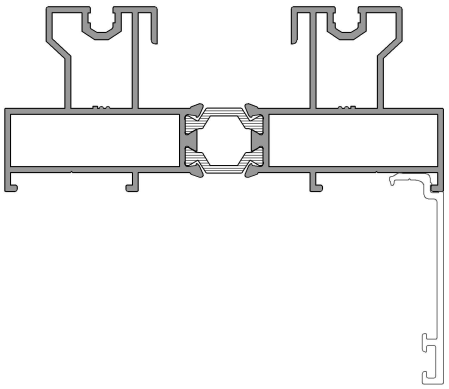


FULL SCALE SECTIONS

Architrave Profile

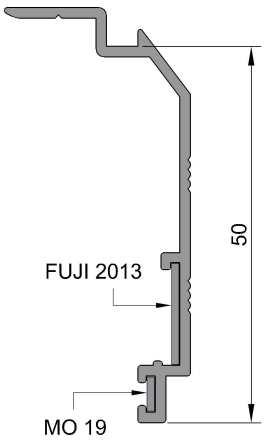
PROFILE CODE	Weight (kg/mt)
405	292 g/m

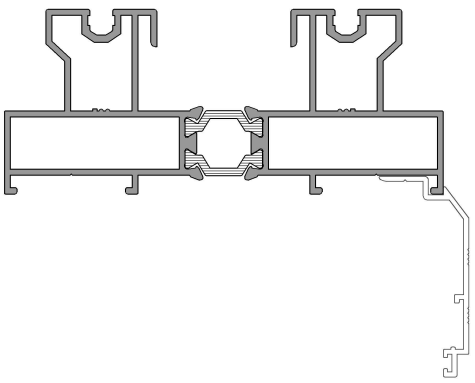




Architrave Profile

PROFILE CODE	Weight (kg/mt)
141	330 g/m



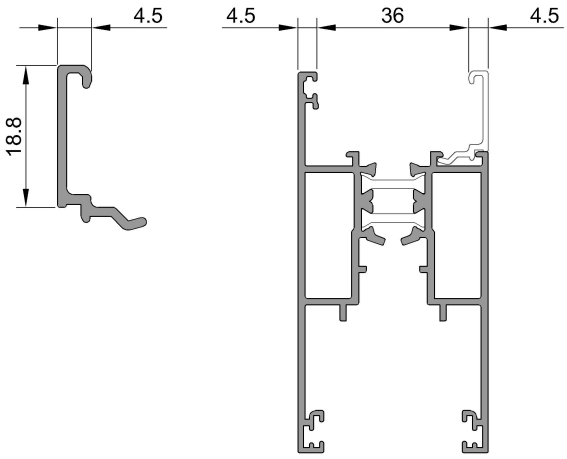


GLAZING OPTIONS

FULL SCALE SECTIONS

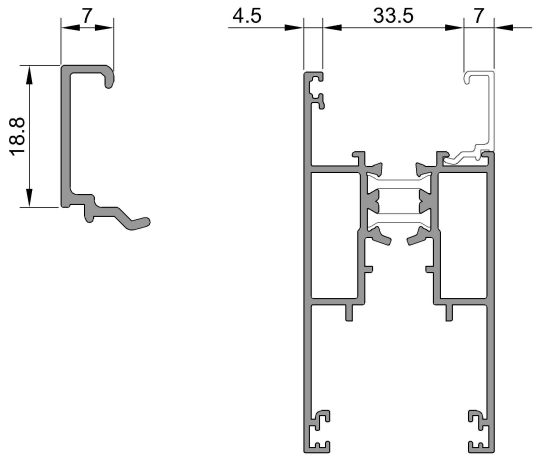
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G11	122 g/m



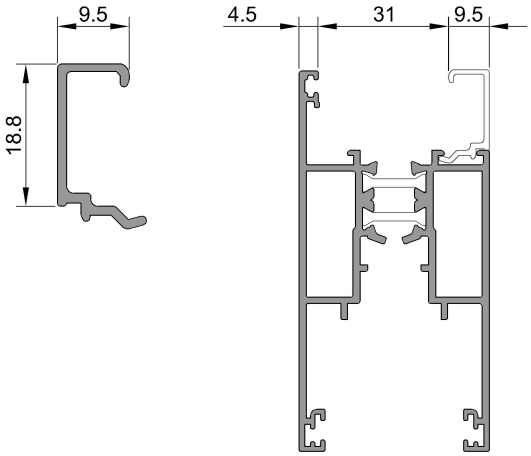
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G12	130 g/m

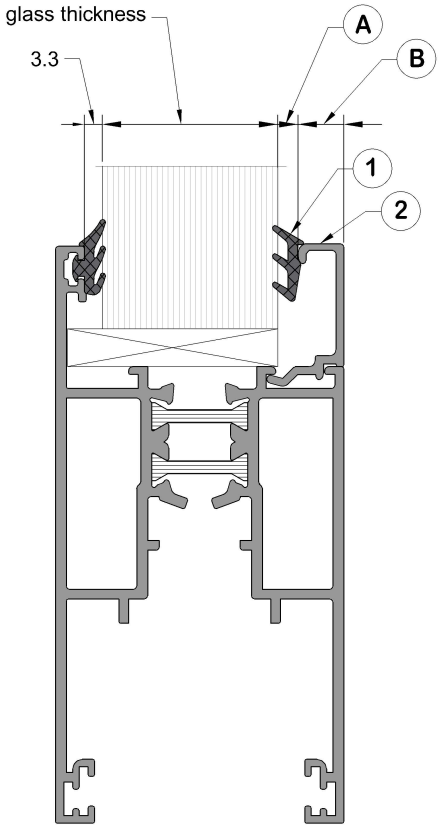


GLAZING BEAD PROFILE

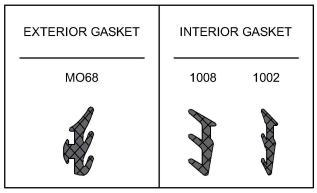
PROFILE CODE	Weight (g/m)
G13	135 g/m



GLAZING DIAGRAM



GLASS THICKNESS	GASKET		GLAZING BEAD	
	GAP	CODE	LENGTH	CODE
	A	1	B	2
32 mm	1.7 mm	1002	4.5 mm	G11
30 mm	3.7 mm	1008	4.5 mm	G11
28 mm	1.7 mm	1002	7 mm	G12
26 mm	3.7 mm	1008	7 mm	G12
26 mm	1.7 mm	1002	9.5 mm	G13
24 mm	3.7 mm	1008	9.5 mm	G13

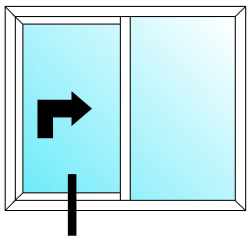


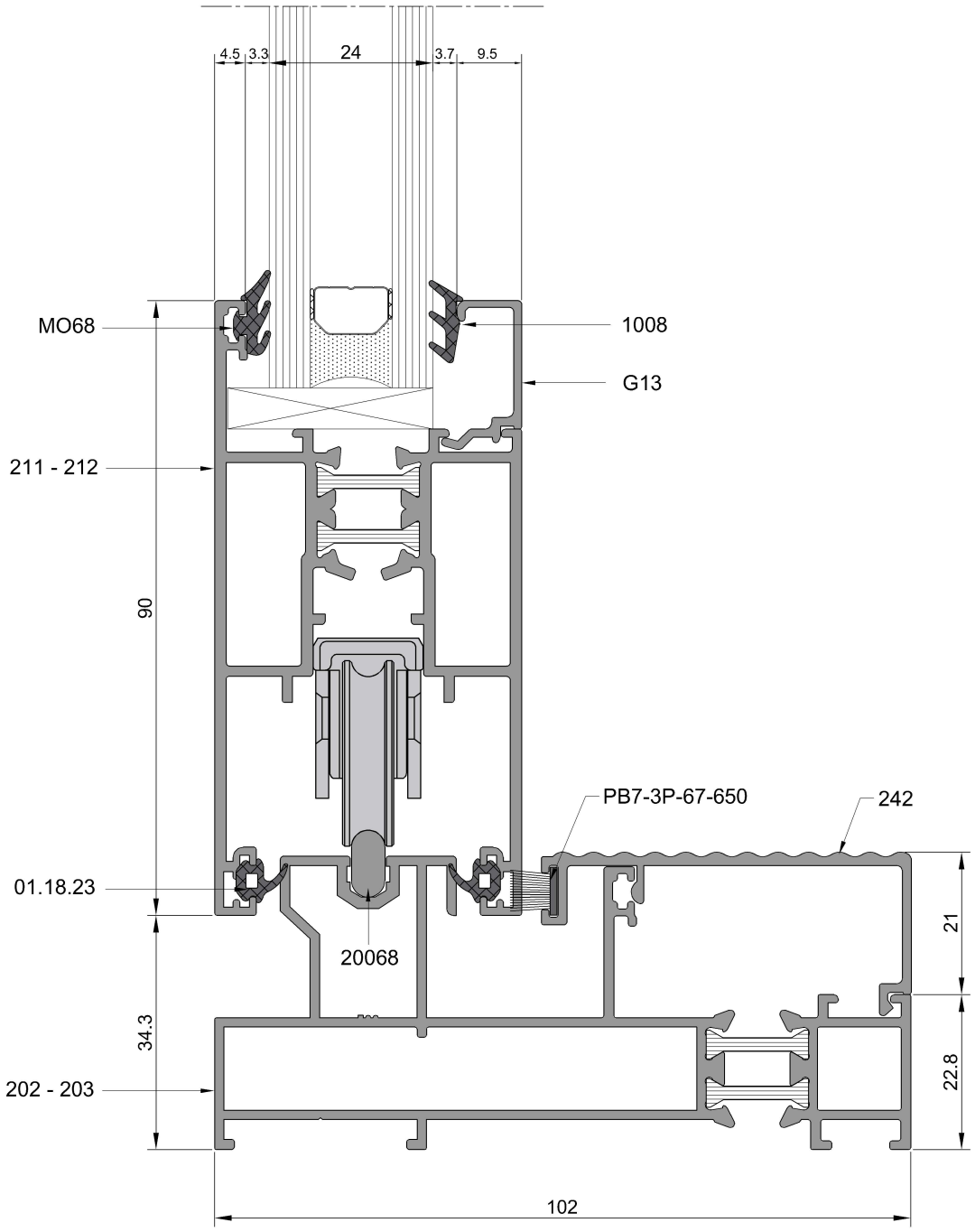
SECTIONS

DETAILS

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Lift & Slide

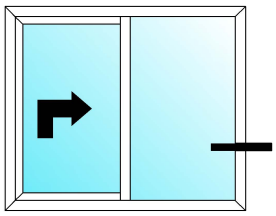


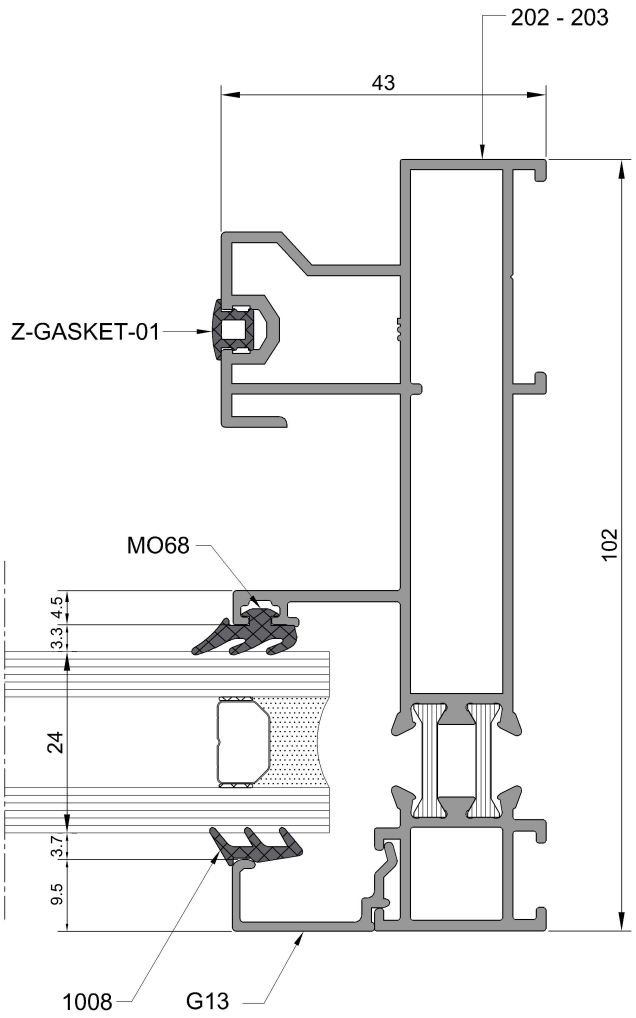


Scale 1:1

HLS-102

Lift & Slide





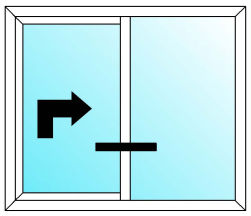
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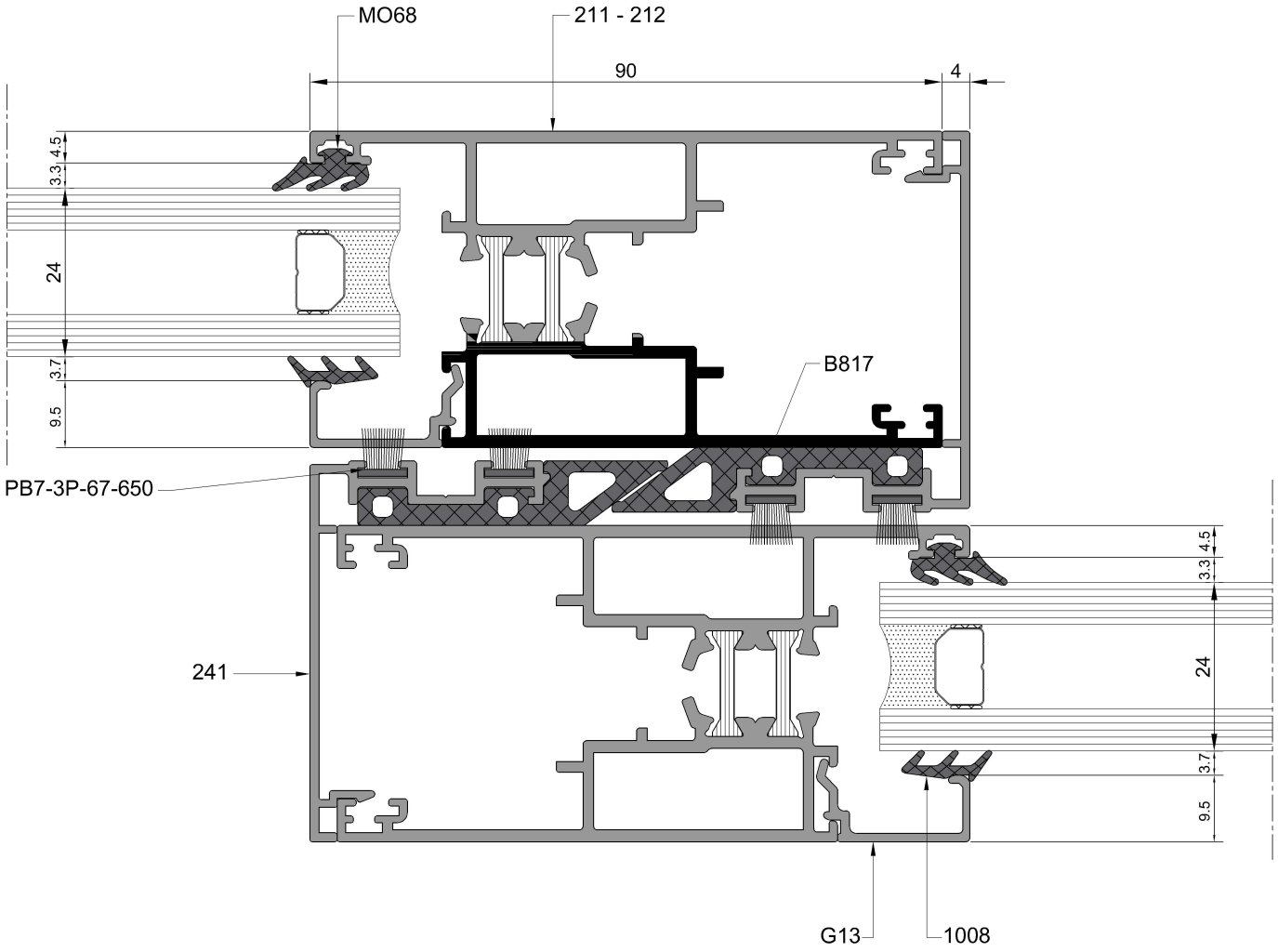
Hooral

Aluminum Profile Systems

HLS-102

Lift & Slide





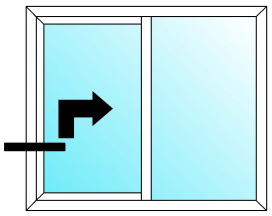
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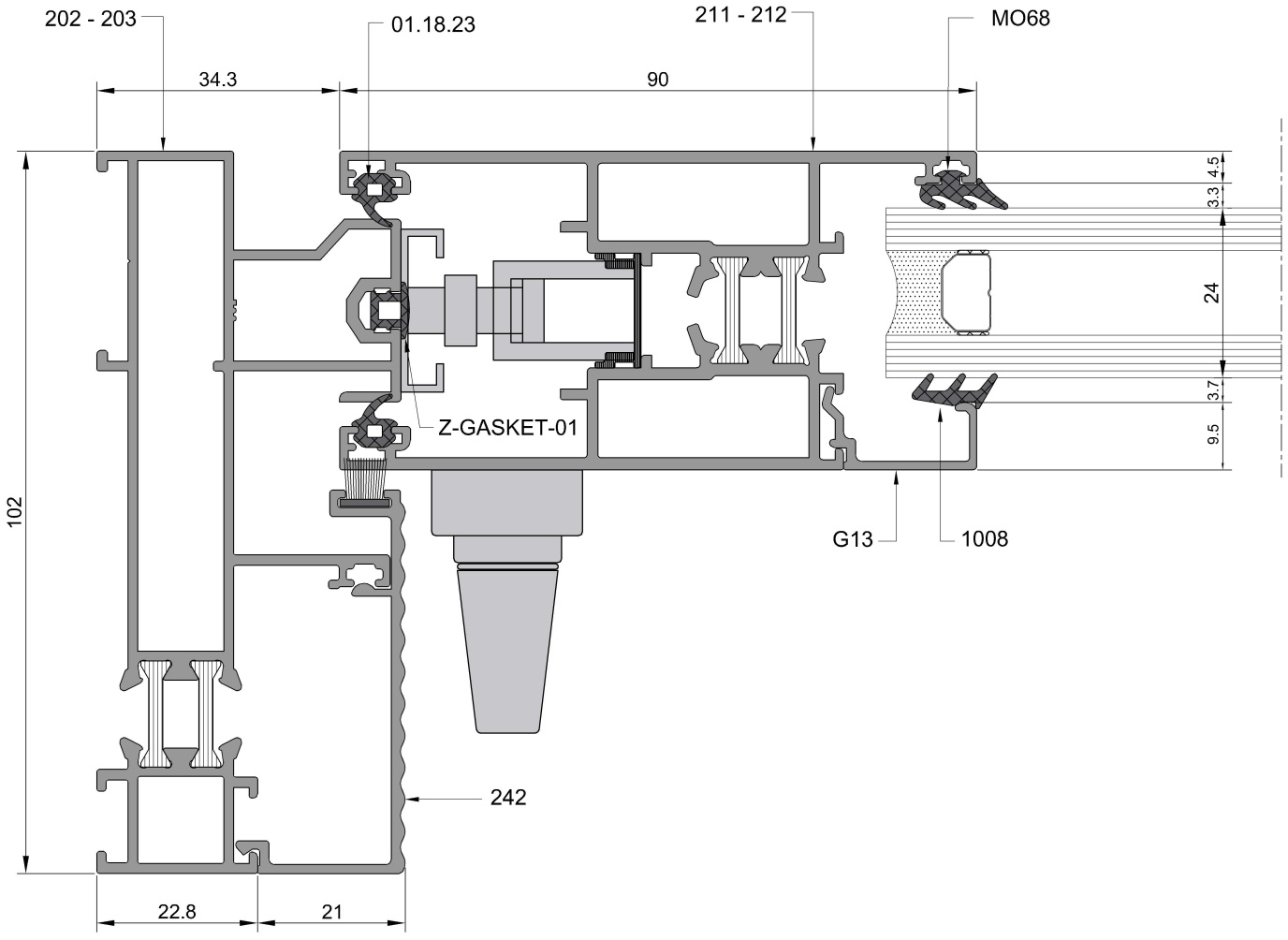
Hooral

Aluminum Profile Systems

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Lift & Slide





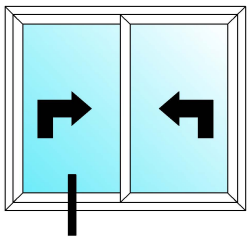
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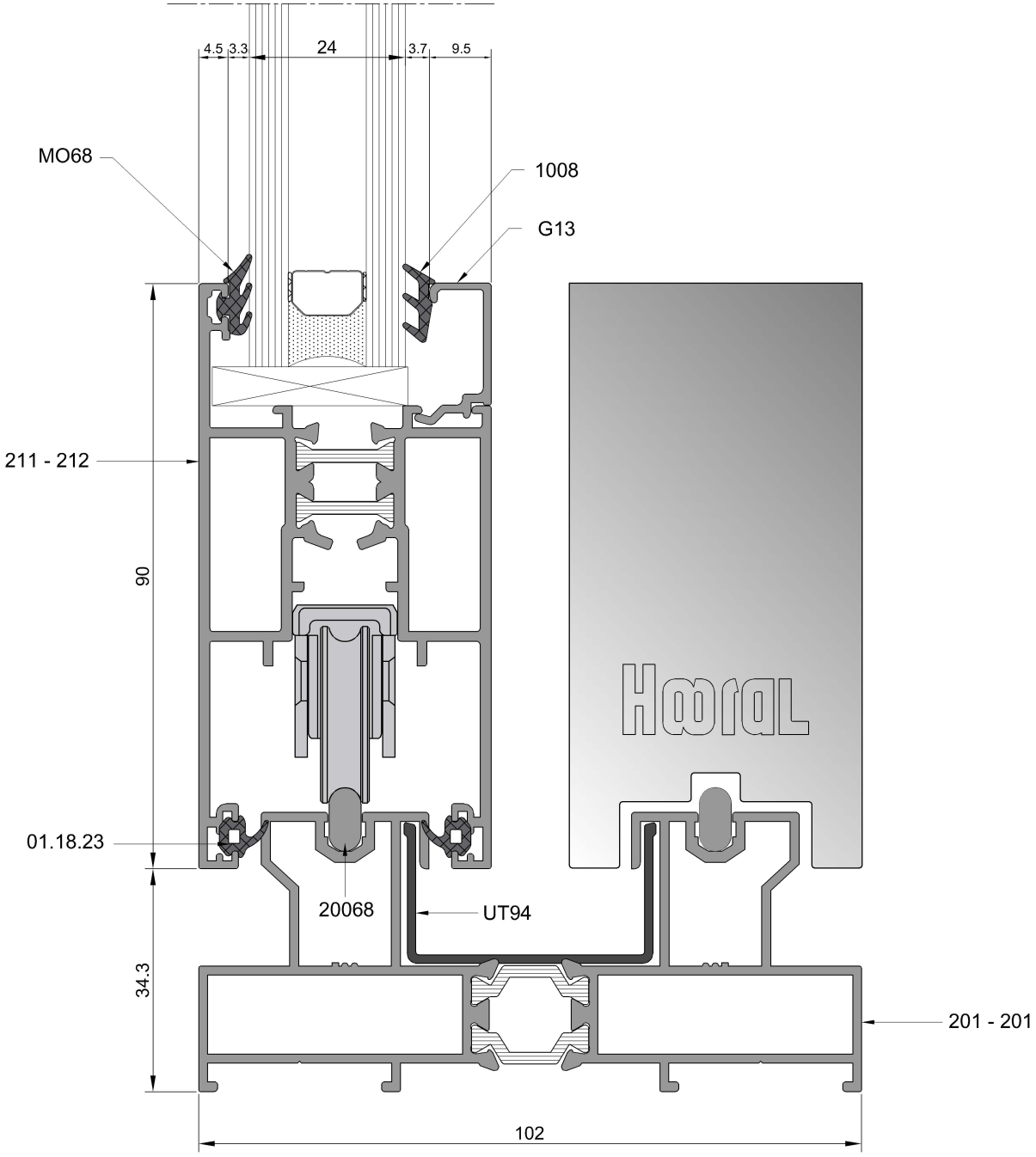
Hooral

Aluminum Profile Systems

HLS-102

Lift & Slide





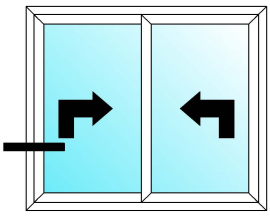
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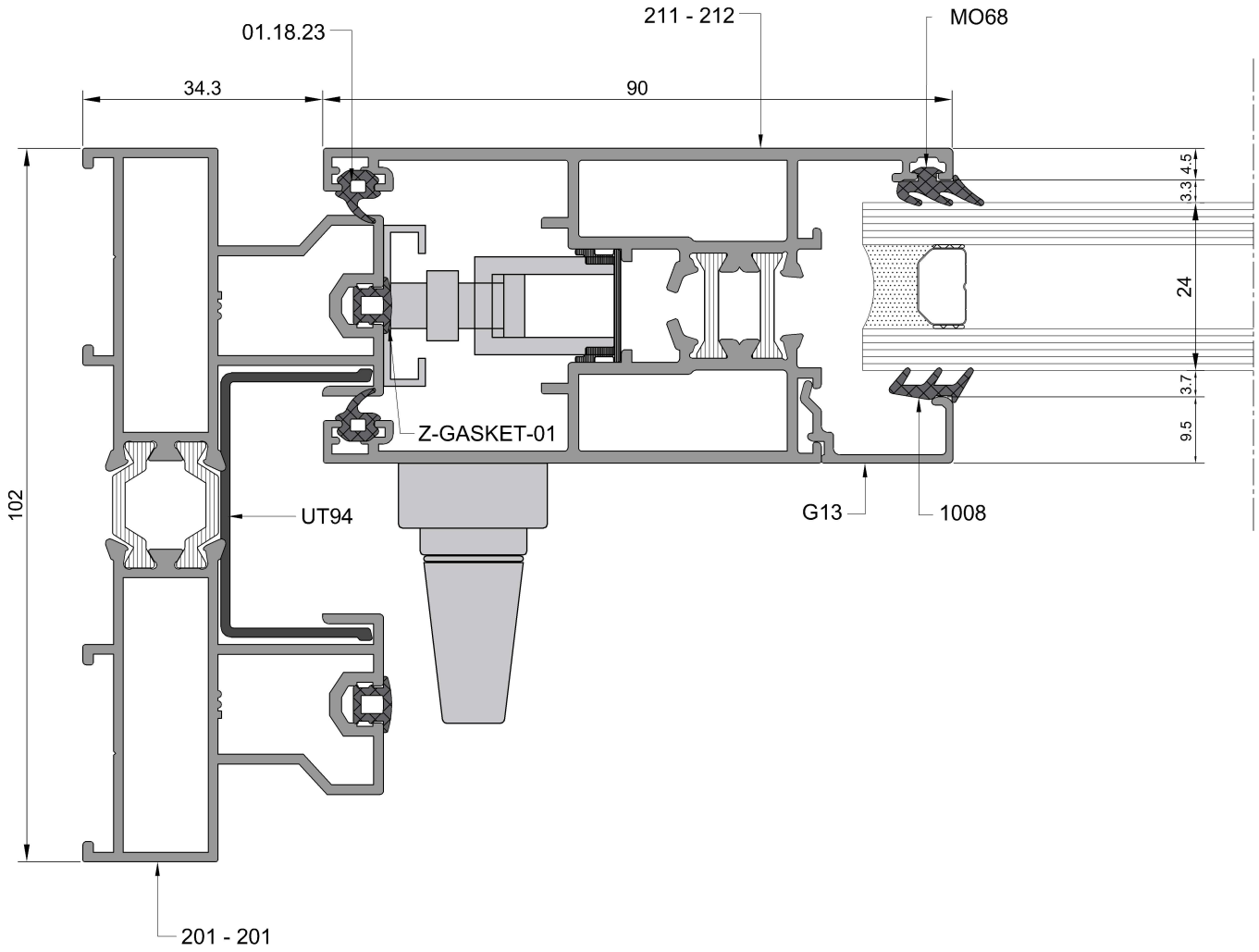
Hooral

Aluminum Profile Systems

HLS-102

Lift & Slide





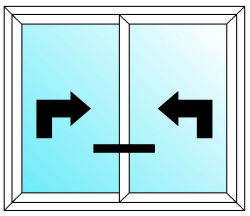
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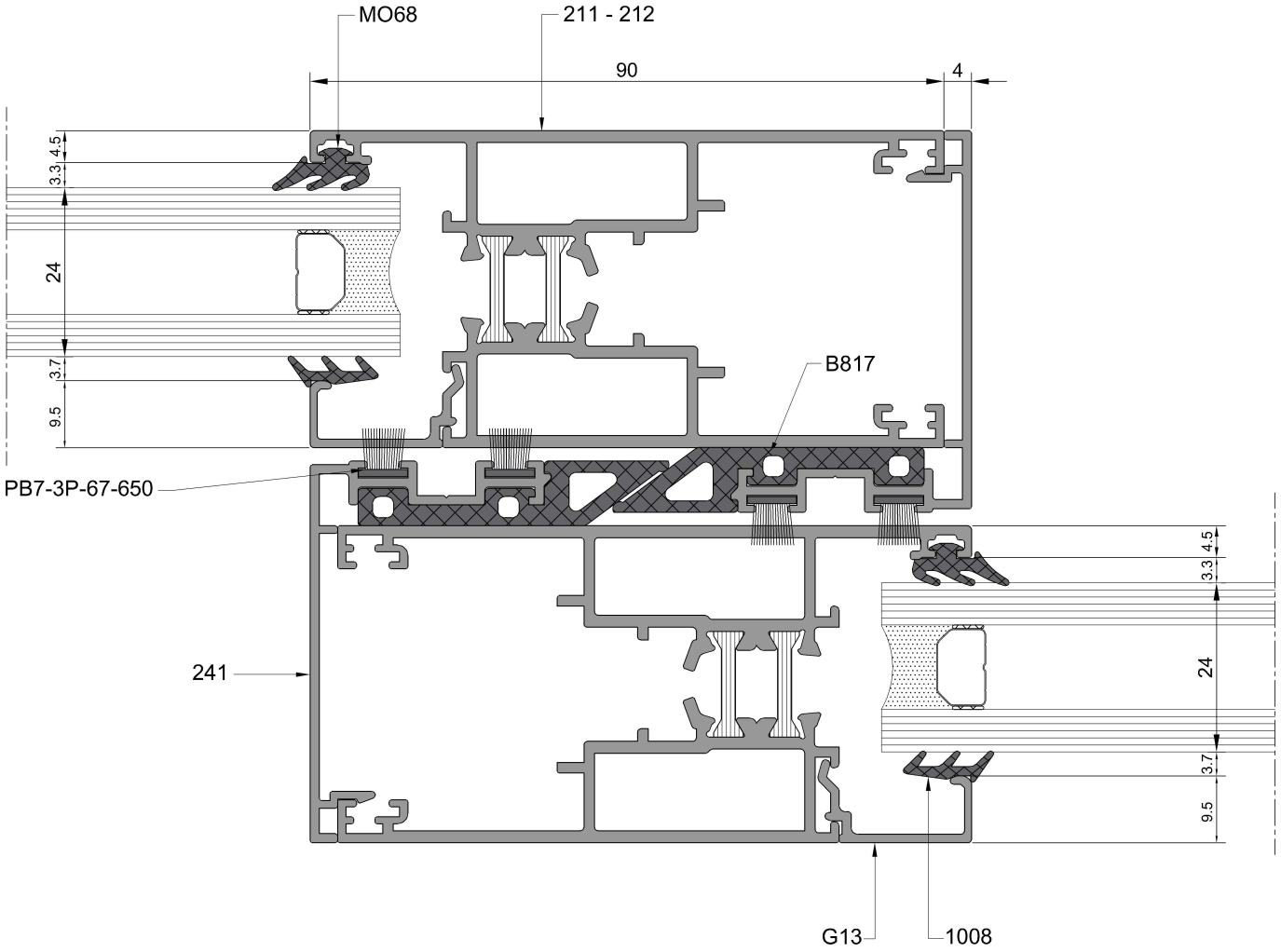
Hooral

Aluminum Profile Systems

HLS-102

Lift & Slide

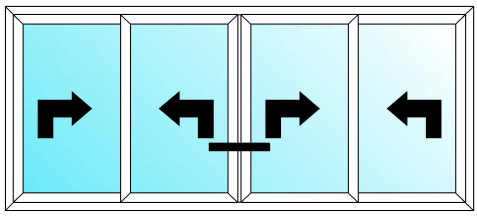


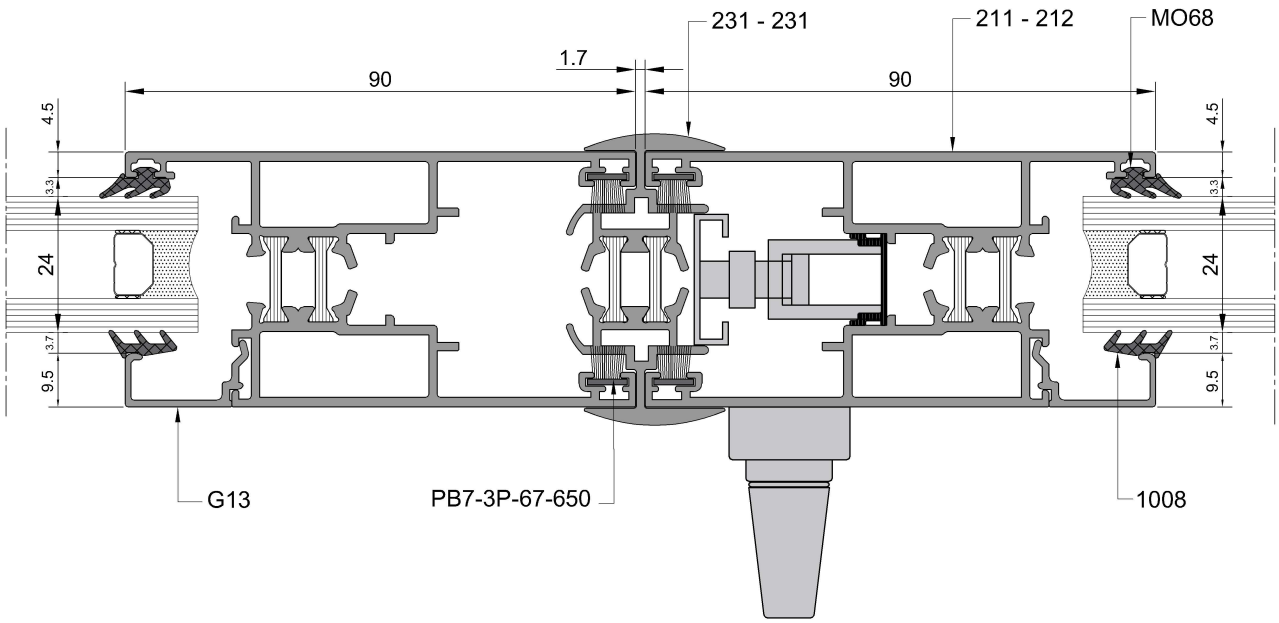


Scale 1:1

HLS-102

Lift & Slide

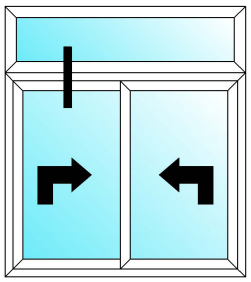




Scale 3:4

HLS-102

Lift & Slide

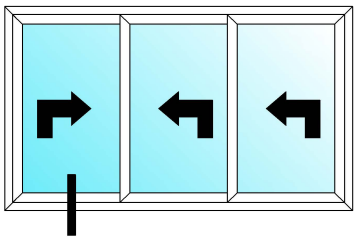


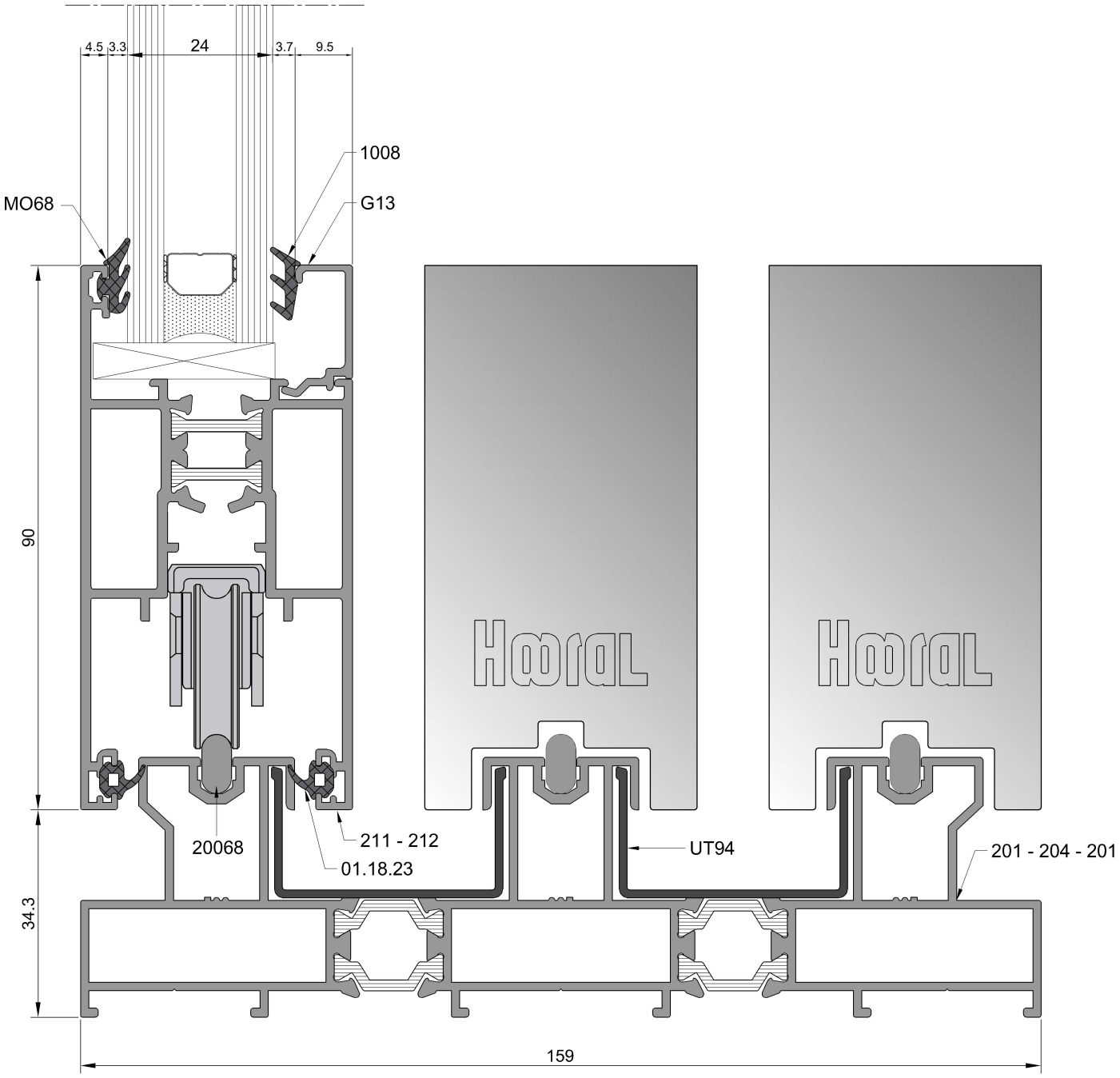
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Aluminum Profile Systems

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Lift & Slide

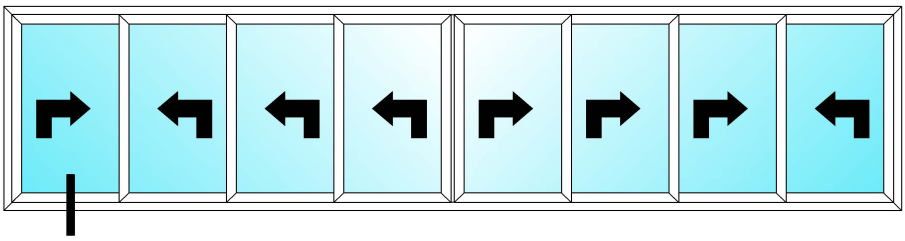


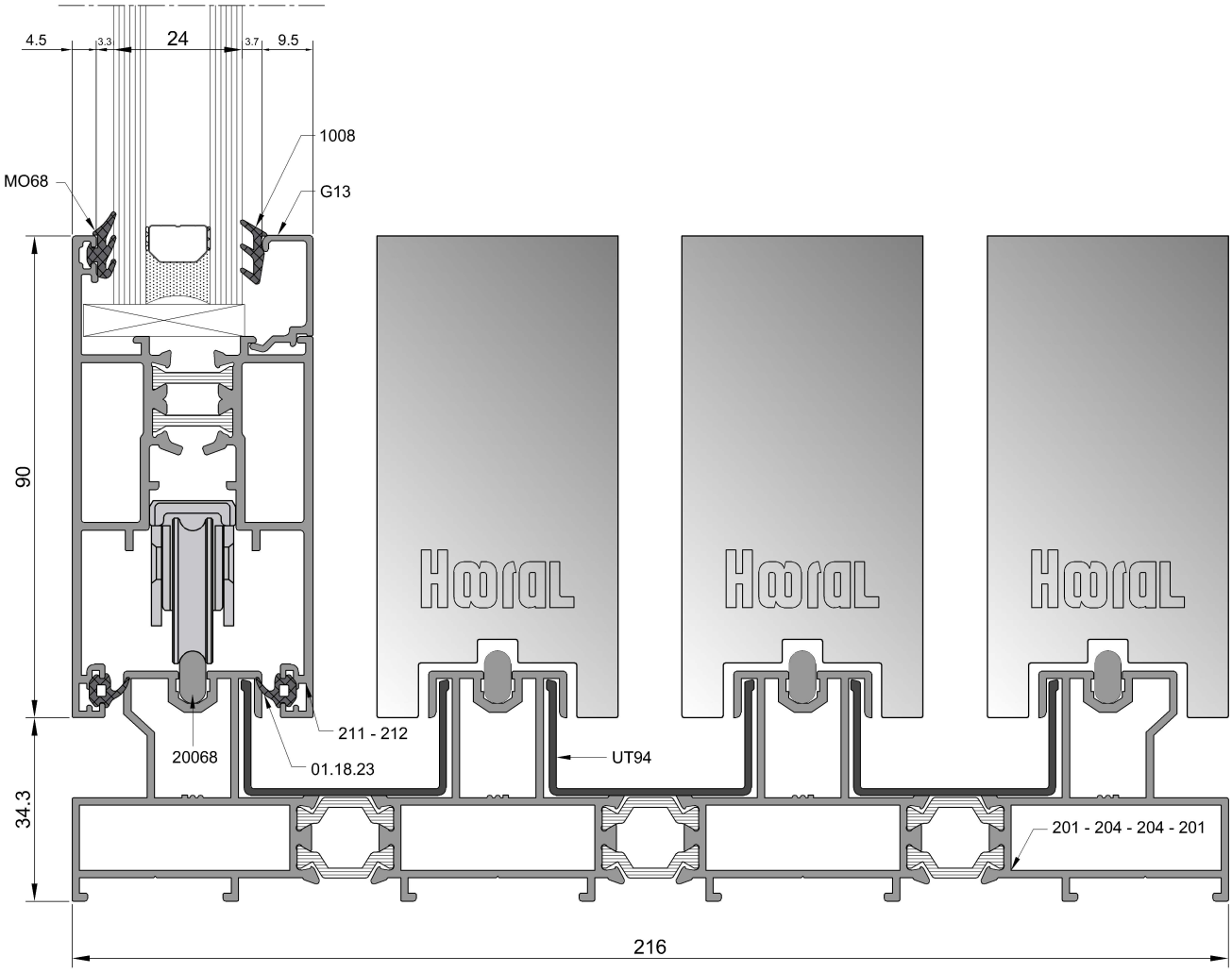


Scale 1:1

HLS-102

Lift & Slide



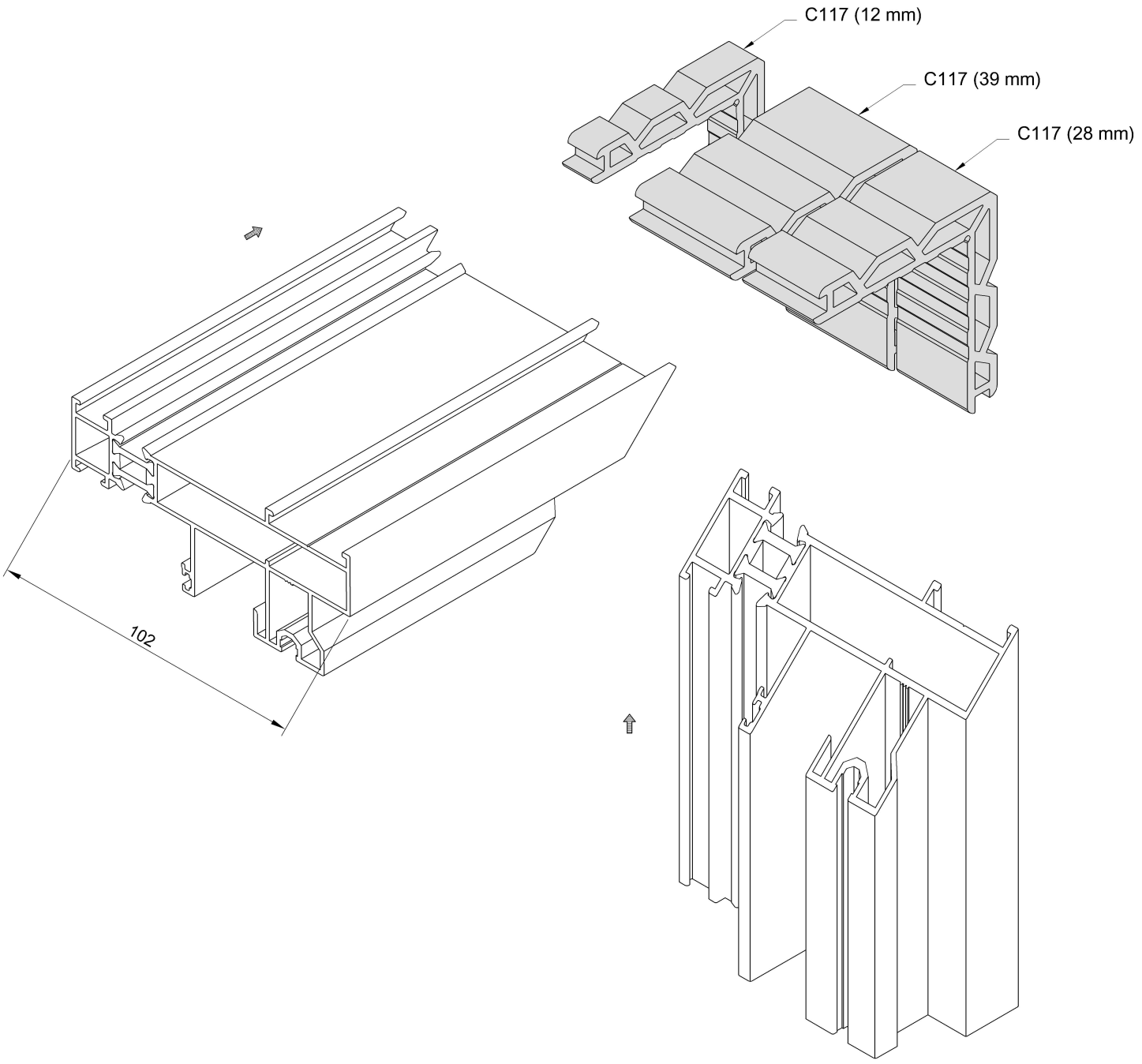


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MACHINING

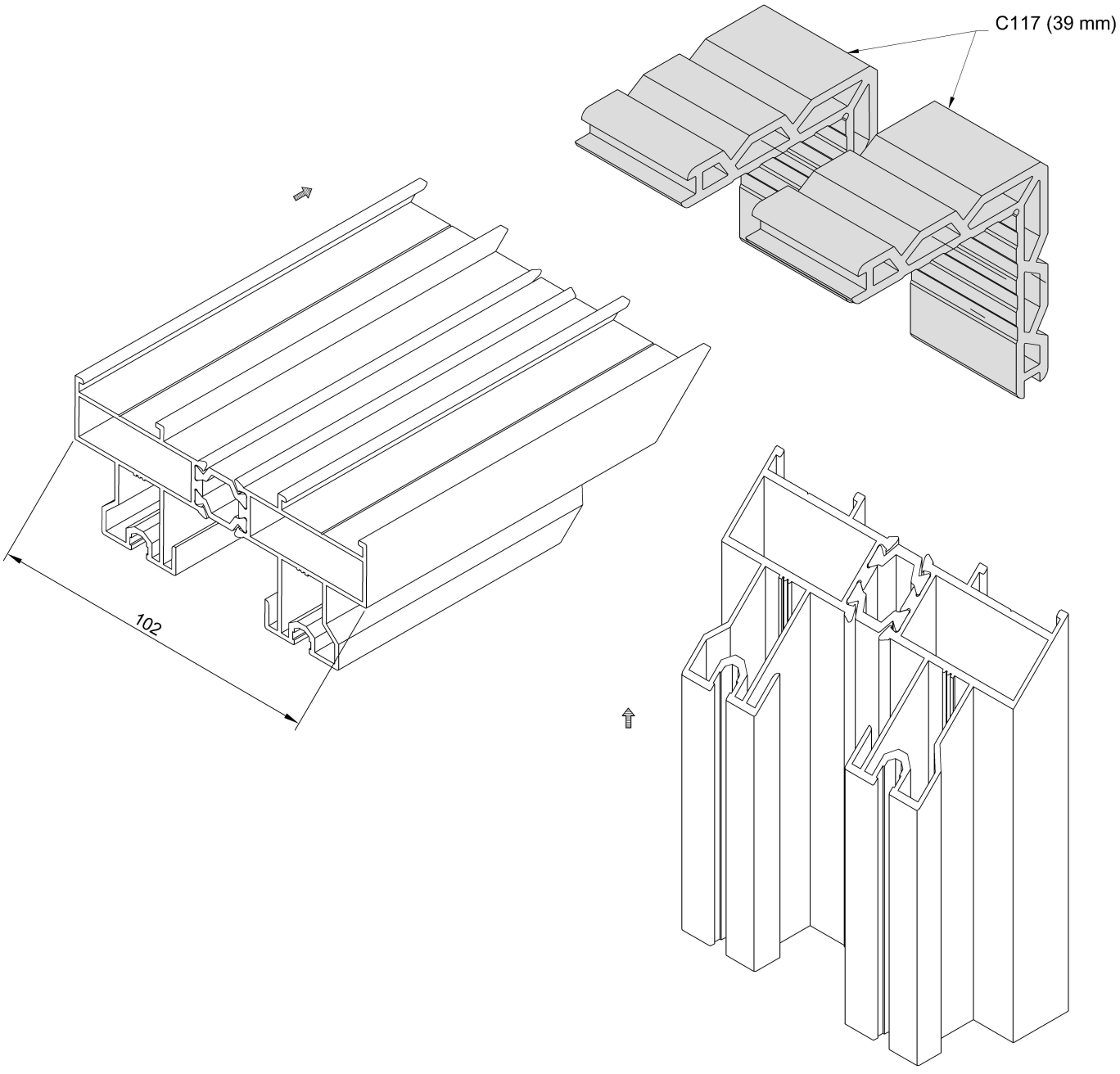
HLS-102

Lift & Slide



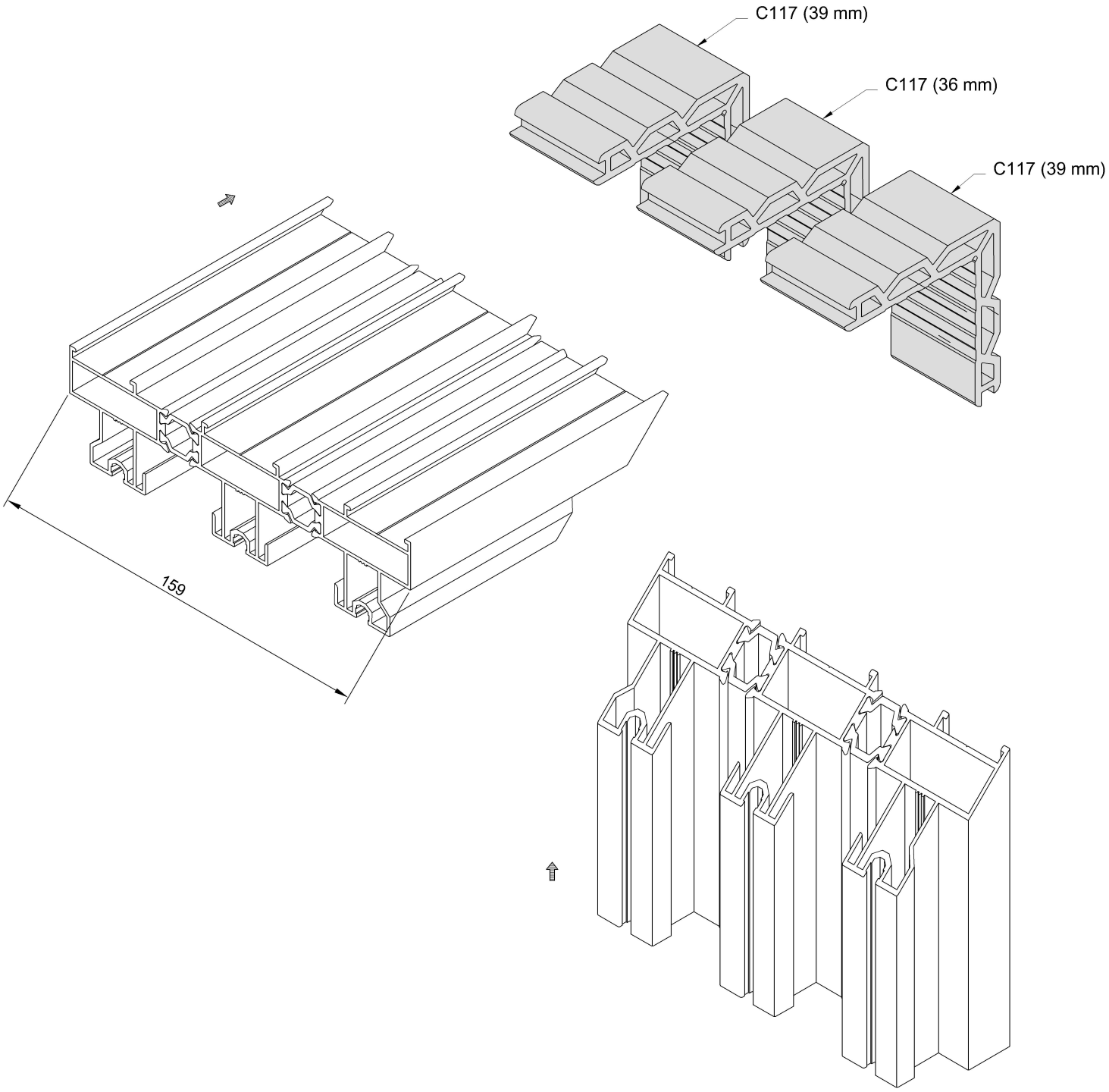
HLS-102

Lift & Slide



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Lift & Slide



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Lift & Slide

