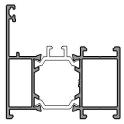
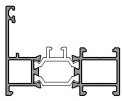
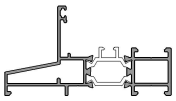
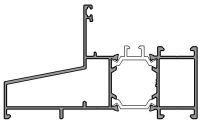
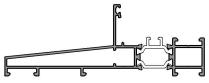
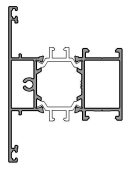
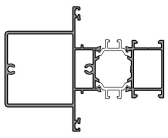
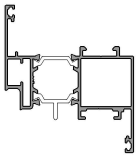


HW-60

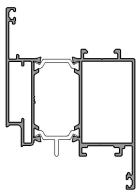
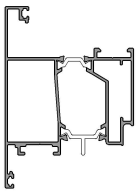
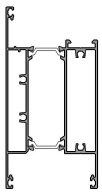
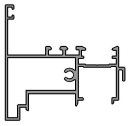
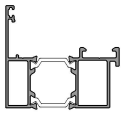
TABLES

LIST OF PROFILES

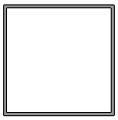
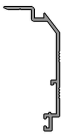
OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	501 - 502	1,226	38mm FRAME PROFILE	19.5 / 7.8
	505 - 506	1,036	25mm FRAME PROFILE	15.5 / 3.3
	504 - 104	1,340	25mm FRAME PROFILE	30.2 / 4.4
	502 - 503	1,556	38mm FRAME PROFILE	49.3 / 10.4
	605 - 104	1,680	25mm FRAME PROFILE	87.5 / 5
	502 - 521	1,428	38mm MULLION PROFILE	21.2 / 13.5
	530 - 502	2,130	38mm MULLION PROFILE (with reinforcement)	75.4 / 24.3
	511 - 512	1,403	56mm SASH PROFILE	31.7 / 8.1

OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	513 - 514	1,556	74mm SASH PROFILE	49.3 / 10.4
	515 - 516	1,743	74mm SASH PROFILE (outside opening)	31.8 / 34.3
	517 - 518	2,066	BOTTOM OF DOOR PROFILE	70.7 / 36.5
	522	1,061	TWO WINGS ADAPTOR PROFILE	16 / 7
	531 - 532	1,137	OUTSIDE OPENING DOOR ADAPTOR	16 / 6.1
	20024 - 20024	1,787	PIPE COUPLING PROFILE	
	20022	383	ADAPTOR PROFILE	
	20023	230	ADAPTOR PROFILE	

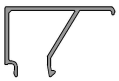
OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	C60	1,252	90° CORNER CONNECTION PROFILE	26 / 26
	141	330	BORDER PROFILE	
	401	319	BORDER PROFILE	
	404	317	BORDER PROFILE	

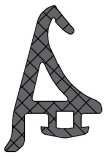
GLAZING BEAD PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	G01	259	16.5mm GLAZING BEAD PROFILE	
	G02	265	18.5mm GLAZING BEAD PROFILE	
	G03	270	20.5mm GLAZING BEAD PROFILE	
	G04	278	22.5mm GLAZING BEAD PROFILE	
	G05	286	24.5mm GLAZING BEAD PROFILE	
	G06	292	26.5mm GLAZING BEAD PROFILE	
	G07	300	28.5mm GLAZING BEAD PROFILE	
	G08	305	30.5mm GLAZING BEAD PROFILE	

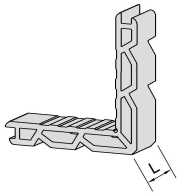
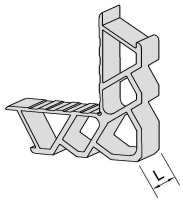
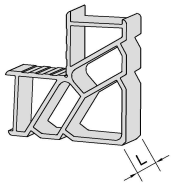
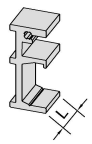
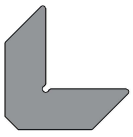
GLAZING BEAD PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	G09	316	32.5mm GLAZING BEAD PROFILE	
	G10	370	41.5mm GLAZING BEAD PROFILE	

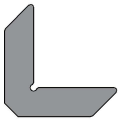
GASKETS

DRAWING	CODE	MATERIAL	DESCRIPTION	PACKAGING
	MO68	EPDM	EXTERIOR GLAZING GASKET (h: 3-4 mm)	15 kg
	B900	EPDM	INTERIOR GLAZING GASKET (h: 4-5 mm)	15 kg
	MO60	EPDM	EXTERIOR OVERLAP GASKET	15 kg
	T60	EPDM	CENTRAL GASKET	15 kg

ACCESSORIES

DRAWING	CODE	MATERIAL	DESC	PACKAGING
	C117	ALUMINUM	PC505 L: 11.7 mm (use with 505)	50 pieces
			PC504 , PC605 L: 12 mm (use with 504 , 605)	
			PC104 L: 17.5 mm (use with 104)	
			PC506 L: 18.2 mm (use with 506)	
	C248	ALUMINUM	PC511 L: 3.5 mm (use with 511)	50 pieces
			PC531 L: 10 mm (use with 531)	
			PC501 , PC503 L: 11.7 mm (use with 501 , 503)	
			PC532 L: 15 mm (use with 532)	
			PC502 L: 18.2 mm (use with 502)	
			PC512 L: 26.2 mm (use with 512)	
	C428	ALUMINUM	PC513 L: 3.5 mm (use with 513)	50 pieces
			PC516 L: 6 mm (use with 516)	
			PC515 L: 24.5 mm (use with 515)	
			PC514 L: 26.2 mm (use with 514)	
	C2	ALUMINUM	MC502 L: 25 mm (use with 502)	50 pieces
	FUJI 2000	ALUMINUM	SASH and FRAME CORNER JOINT	500 pieces

ACCESSORIES

DRAWING	CODE	MATERIAL	DESCRIPTION	PACKAGING
	FUJI 2013	ALUMINUM	BORDER PROFILE CORNER JOINT	500 pieces
	MO 19	ALUMINUM	BORDER PROFILE CORNER JOINT	500 pieces
	MO 20	PVC	SASH CORNER JOINT	100 pieces

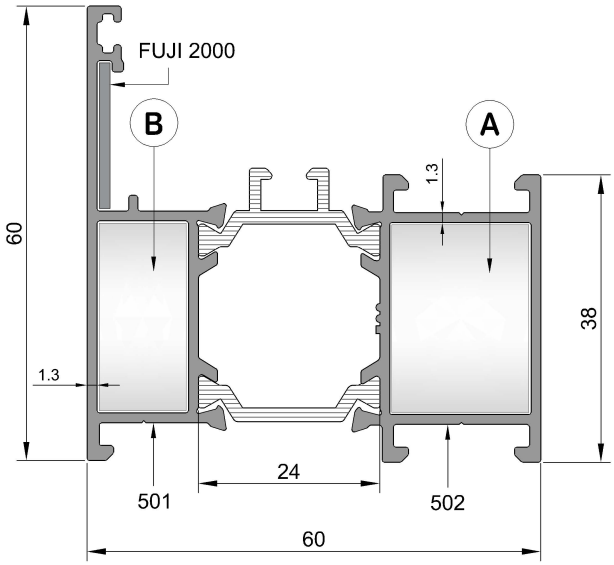
PROFILES

DRAWINGS

FULL SCALE SECTIONS

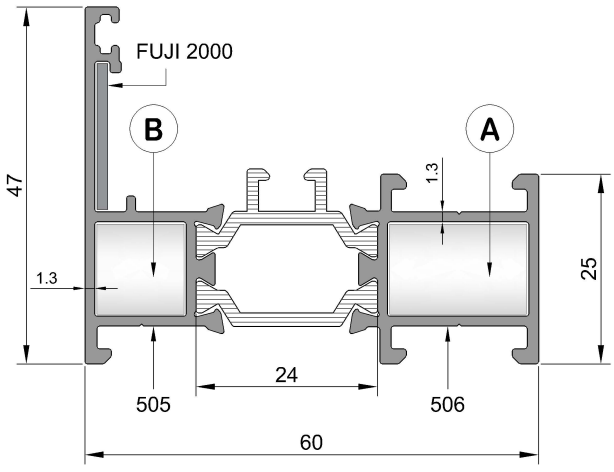
STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	501 - 502	1,226 g/m
19.5	7.8		

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



STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	505 - 506	1,036 g/m
15.5	3.3		

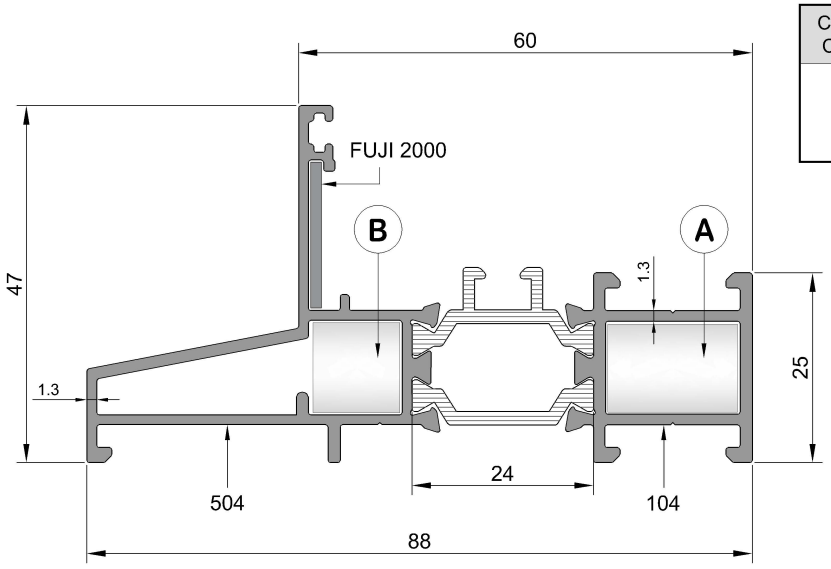
CORNER CLEATS	A	B
	C117 Length:18.2mm	C117 Length:11.7mm



FULL SCALE SECTIONS

STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	504 - 104	1,340 g/m
30.2	4.4		

CORNER CLEATS	A	B
	C117 Length:17.5mm	C117 Length:12mm



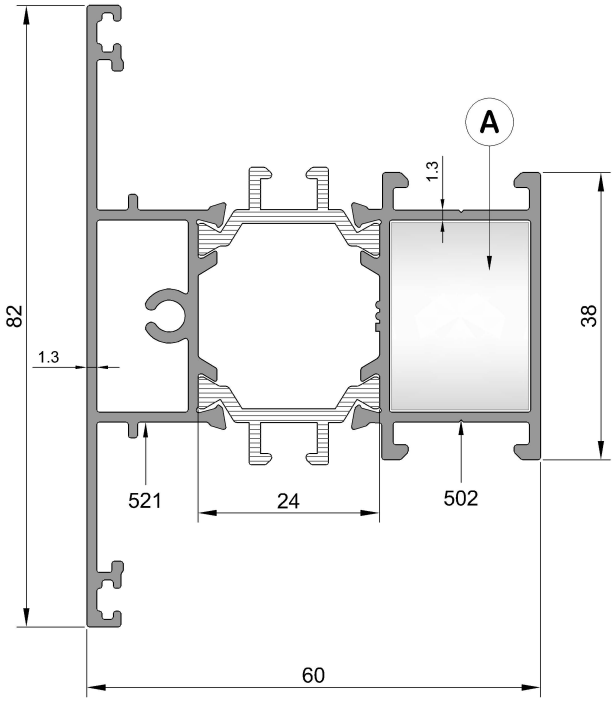
STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	502 - 503	1,556 g/m
49.3	10.4		

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)	605 - 104	1,680 g/m
87.5	5		

CORNER CLEATS	A	B
	C117 Length:17.5mm	C117 Length:12mm



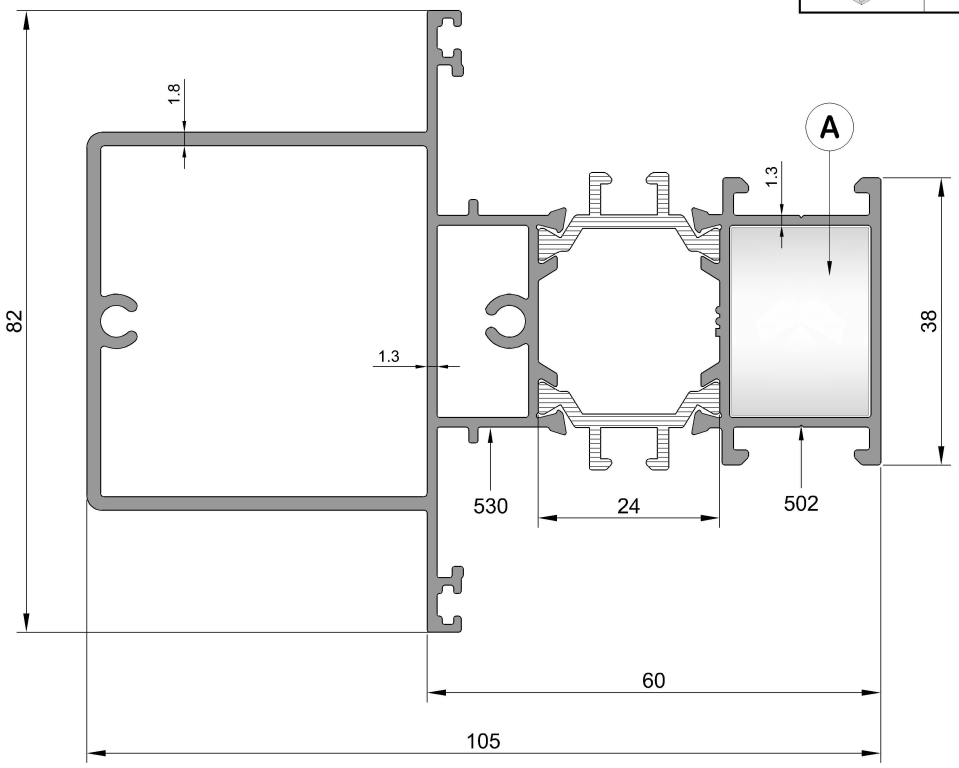
STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	502 - 521	1,428 g/m
21.2	13.5		

T JOINT	A
	C2 Length:25mm

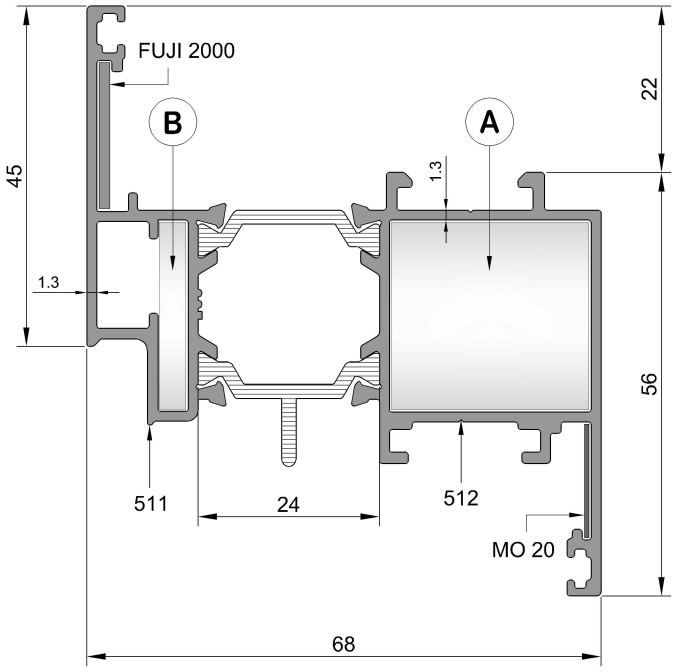
FULL SCALE SECTIONS

STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	530 - 502	2,130 g/m
75.4	24.3		

T JOINT	A
	C2 Length:25mm

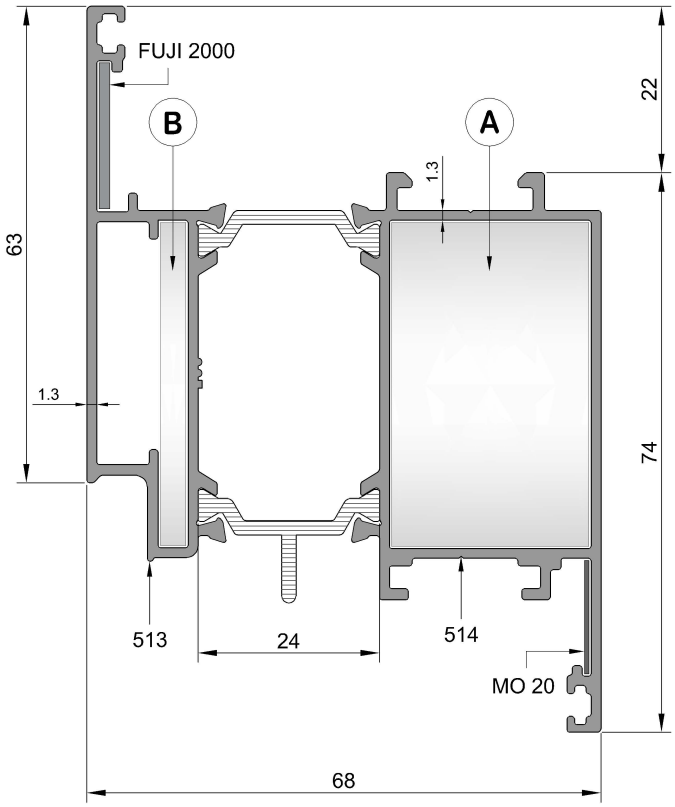


FULL SCALE SECTIONS



STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	511 - 512	1,403 g/m
31.7	8.1		

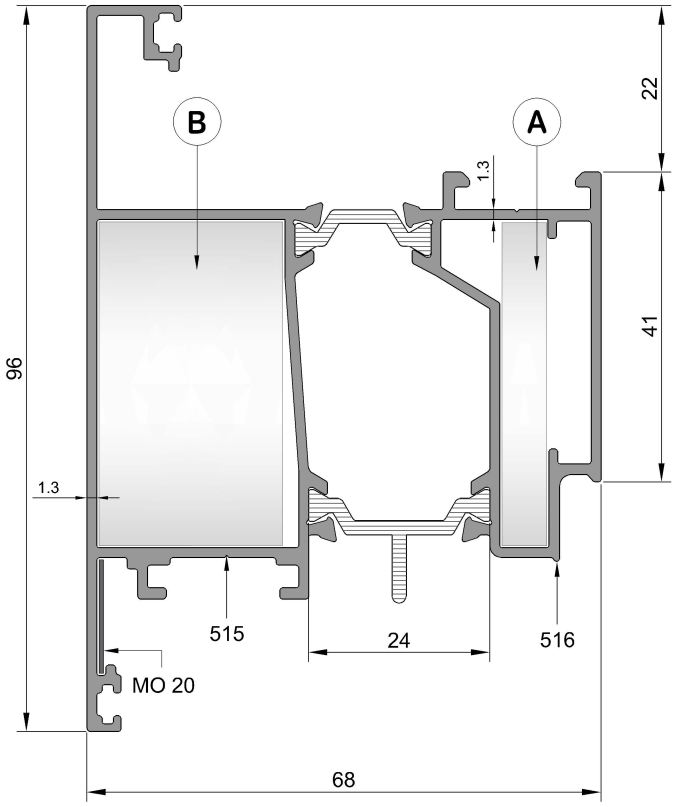
CORNER CLEATS	A	B
	C248 Length:26.2mm	C248 Length:3.5mm



STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	513 - 514	1,556 g/m
49.3	10.4		

CORNER CLEATS	A	B
	C428 Length:26.2mm	C428 Length:3.5mm

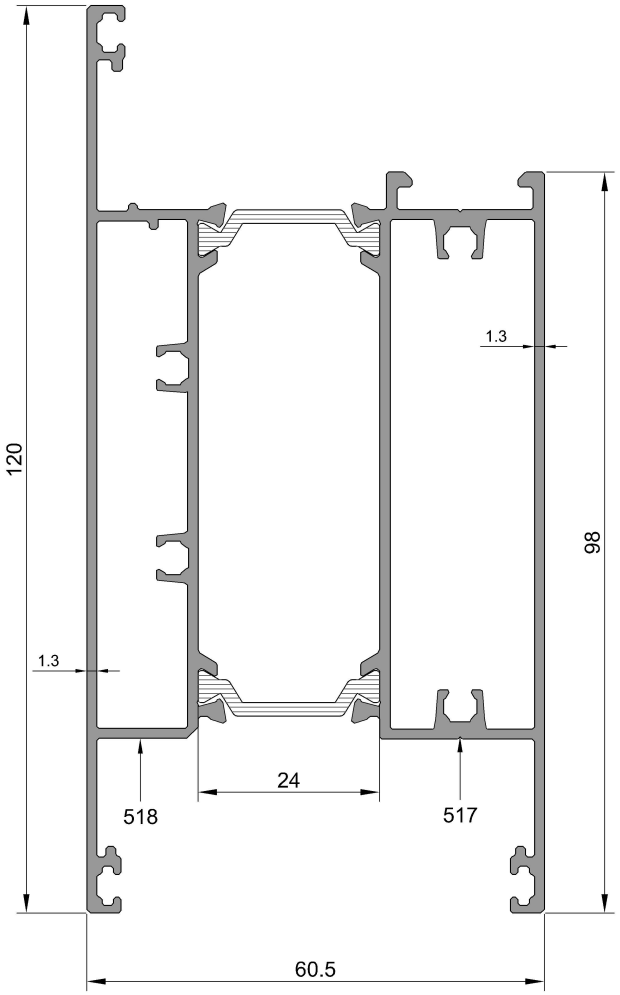
FULL SCALE SECTIONS



STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	515 - 516	1,743 g/m
31.8	34.3		

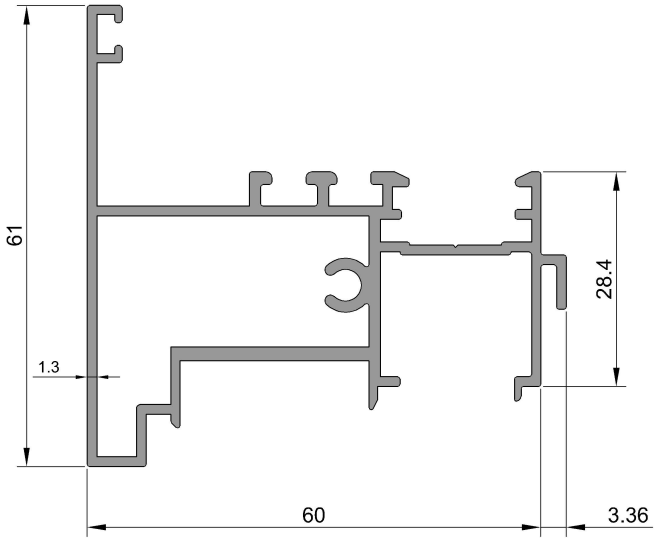
CORNER CLEATS	A	B
	C428 Length:6mm	C428 Length:24.5mm

FULL SCALE SECTIONS

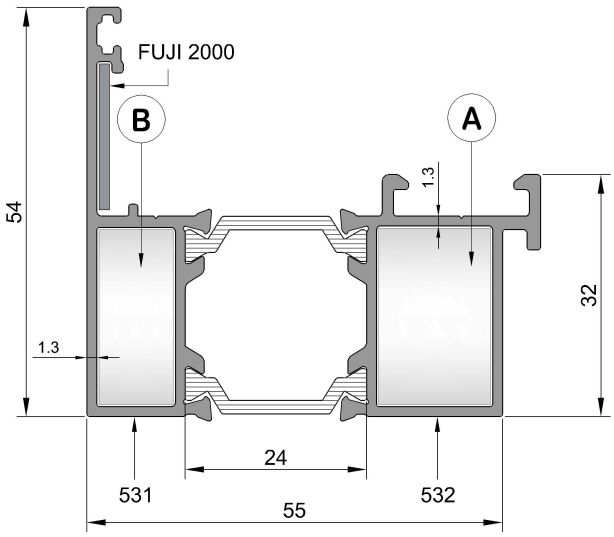


STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	517 - 518	2,066 g/m
70.7	36.5		

FULL SCALE SECTIONS



STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	522	1,061 g/m
16	7		

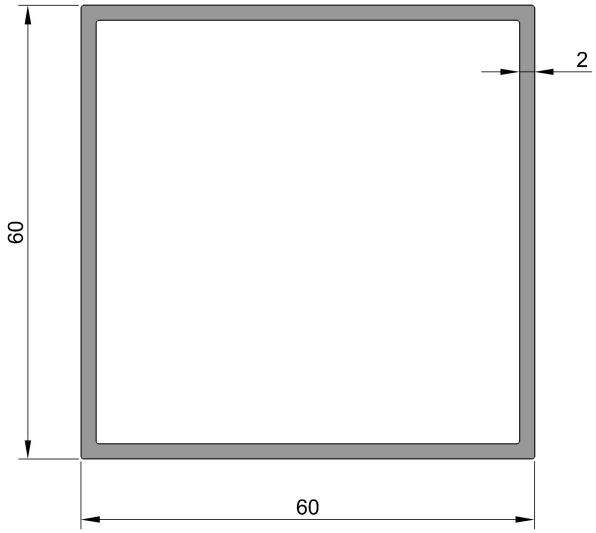


STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	531 - 532	1,137 g/m
16	6.1		

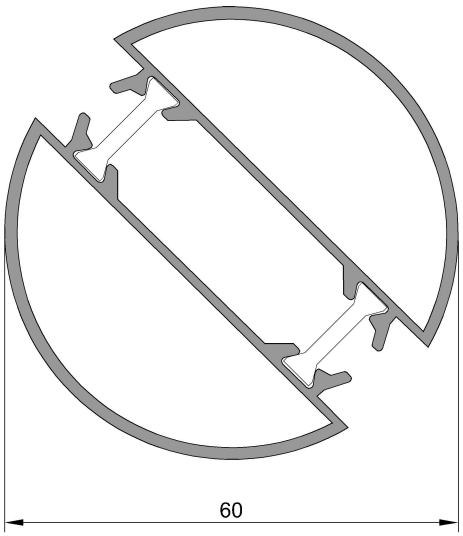
CORNER CLEATS	A	B
	C248 Length:15mm	C248 Length:10mm

FULL SCALE SECTIONS

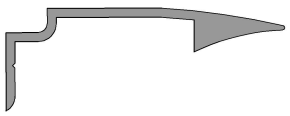
PROFILE CODE	Weight (kg/mt)
C60	1,252 g/m



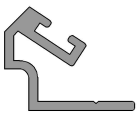
PROFILE CODE	Weight (kg/mt)
20024 - 20024	1,787 g/m



PROFILE CODE	Weight (kg/mt)
20022	383 g/m



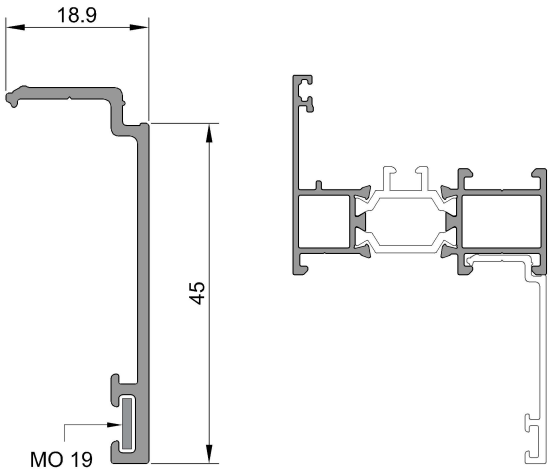
PROFILE CODE	Weight (kg/mt)
20023	230 g/m



FULL SCALE SECTIONS

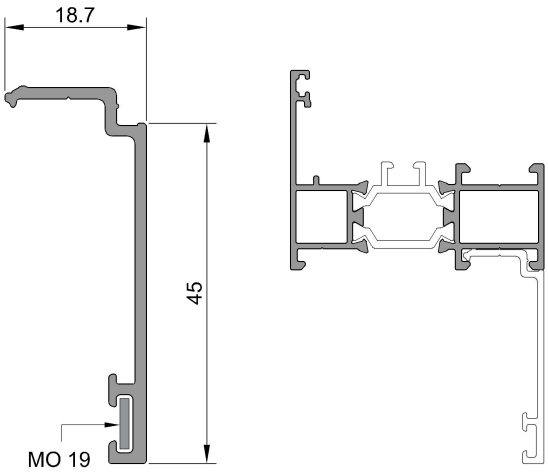
Architrave Profile

PROFILE CODE	Weight (kg/mt)
401	319 g/m



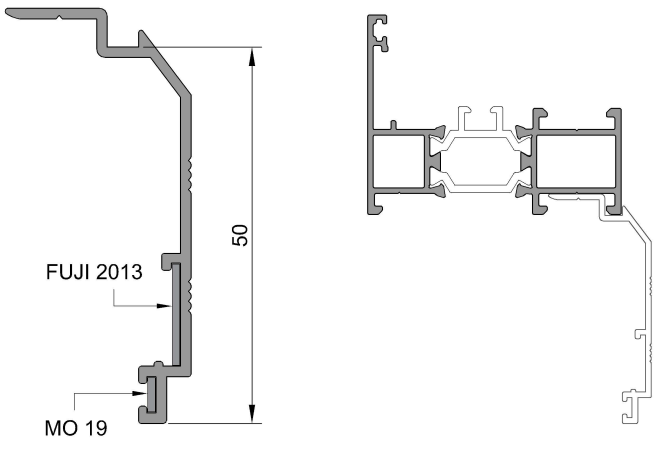
Architrave Profile

PROFILE CODE	Weight (kg/mt)
404	317 g/m



Architrave Profile

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

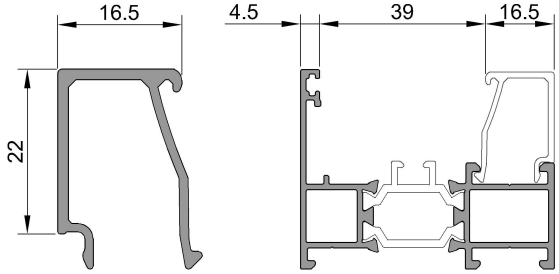


GLAZING OPTIONS

GLAZING BEAD PROFILES

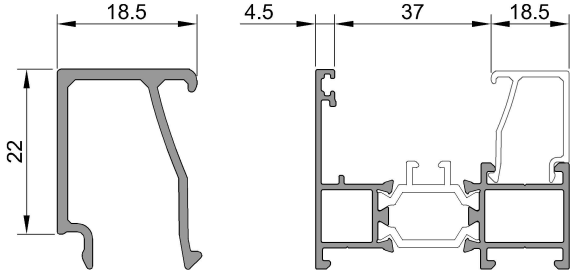
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G01	259 g/m



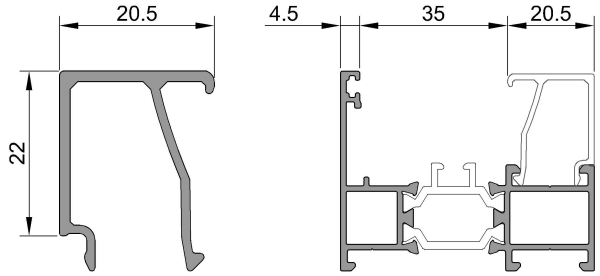
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G02	265 g/m



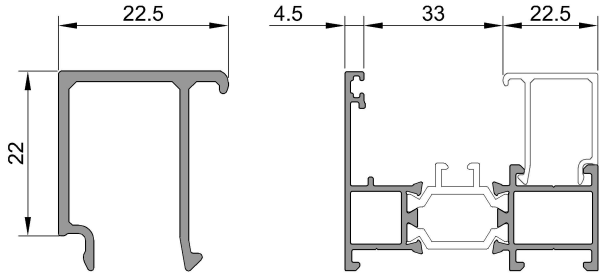
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G03	270 g/m



GLAZING BEAD PROFILE

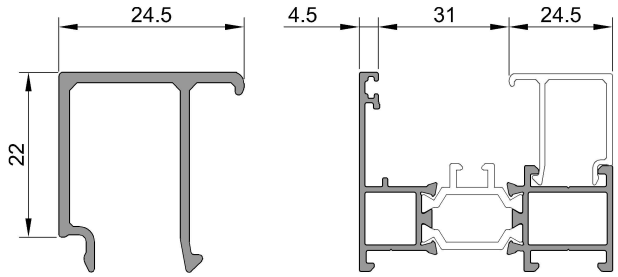
PROFILE CODE	Weight (g/m)
G04	278 g/m



GLAZING BEAD PROFILES

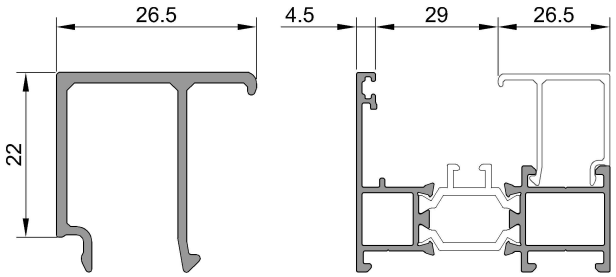
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G05	286 g/m



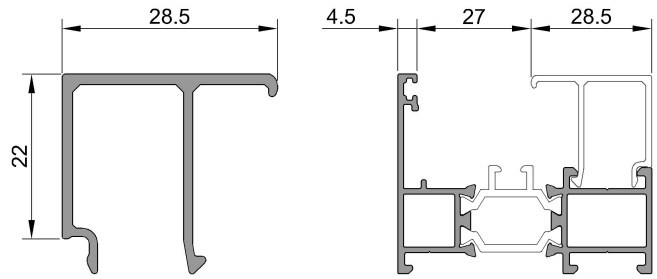
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G06	292 g/m



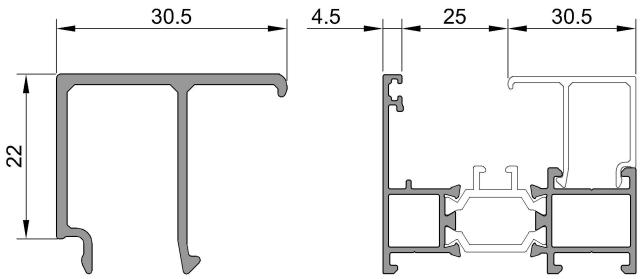
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G07	300 g/m



GLAZING BEAD PROFILE

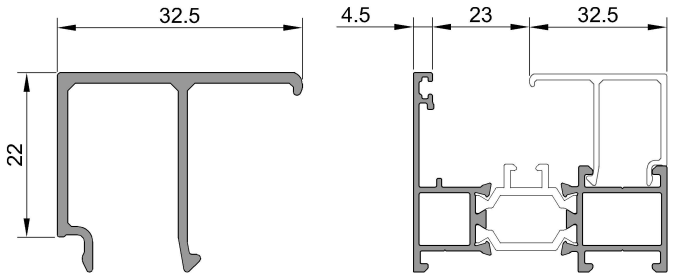
PROFILE CODE	Weight (g/m)
G08	305 g/m



GLAZING BEAD PROFILES

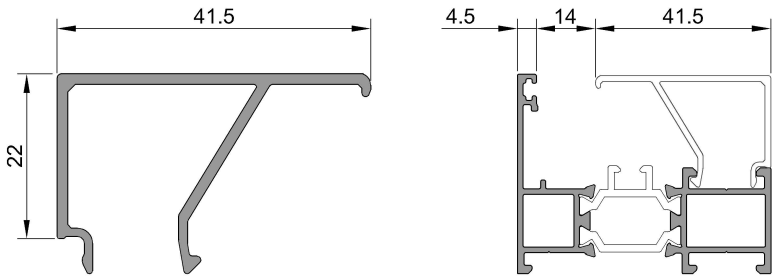
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G09	316 g/m

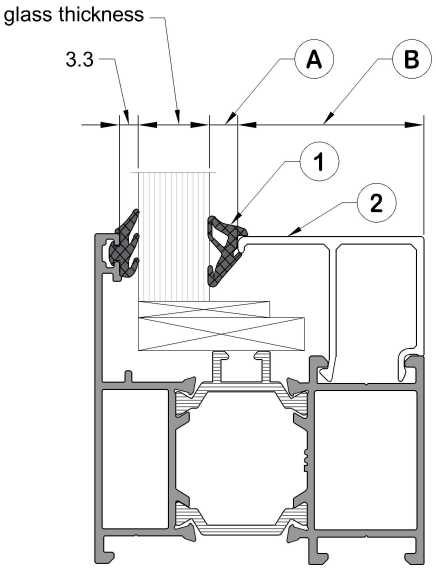


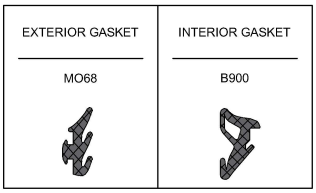
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G10	370 g/m



GLAZING DIAGRAM





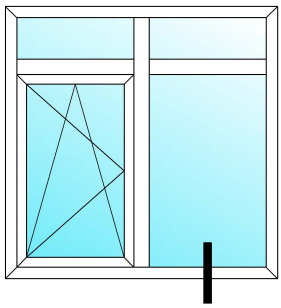
GLASS THICKNESS	GASKET		GLAZING BEAD	
	GAP	CODE	LENGTH	CODE
	A	1	B	2
30 mm	5.7 mm	B900	16.5 mm	G01
28 mm	5.7 mm	B900	18.5 mm	G02
26 mm	5.7 mm	B900	20.5 mm	G03
24 mm	5.7 mm	B900	22.5 mm	G04
22 mm	5.7 mm	B900	24.5 mm	G05
20 mm	5.7 mm	B900	26.5 mm	G06
18 mm	5.7 mm	B900	28.5 mm	G07
16 mm	5.7 mm	B900	30.5 mm	G08
14 mm	5.7 mm	B900	32.5 mm	G09
5 mm	5.7 mm	B900	41.5 mm	G10

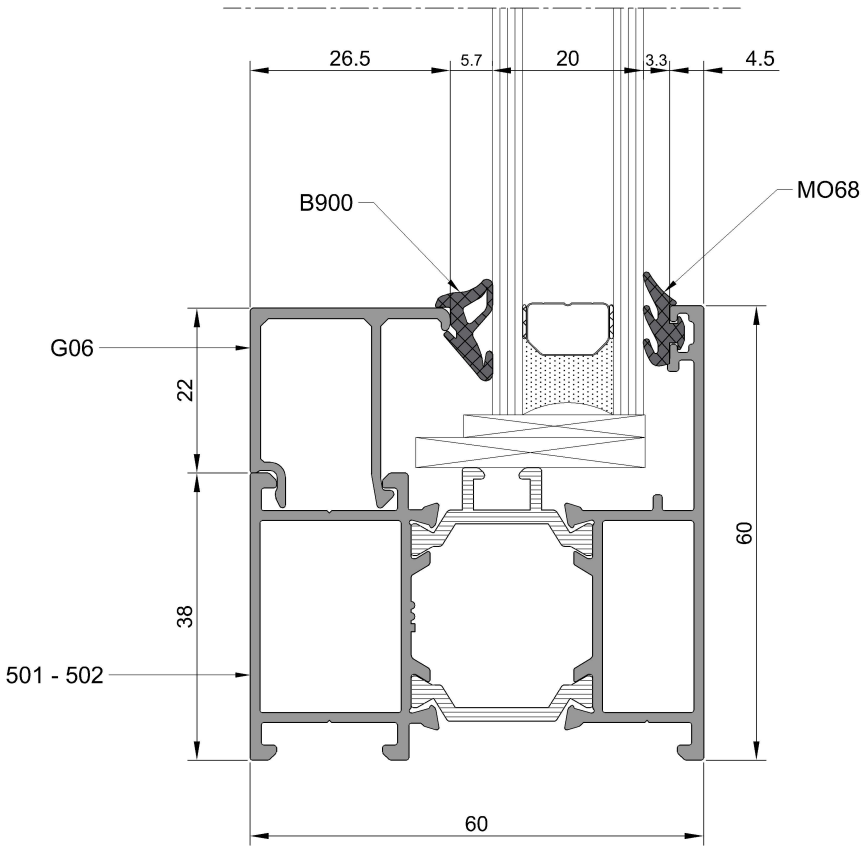
SECTIONS

DETAILS

HW-60

Window & Door System

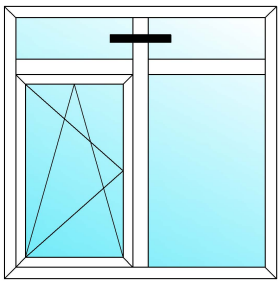


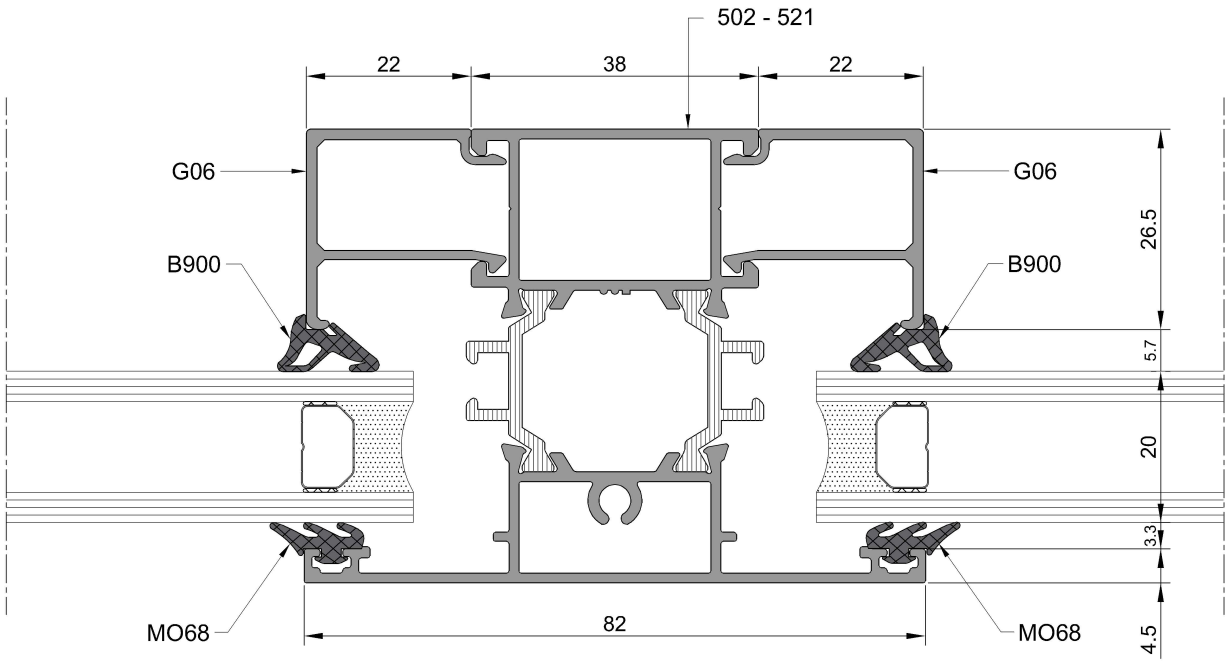


Scale 1:1

HW-60

Window & Door System

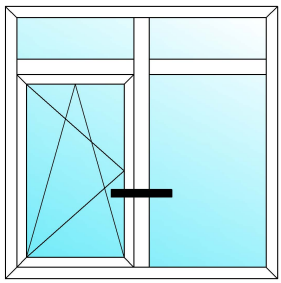


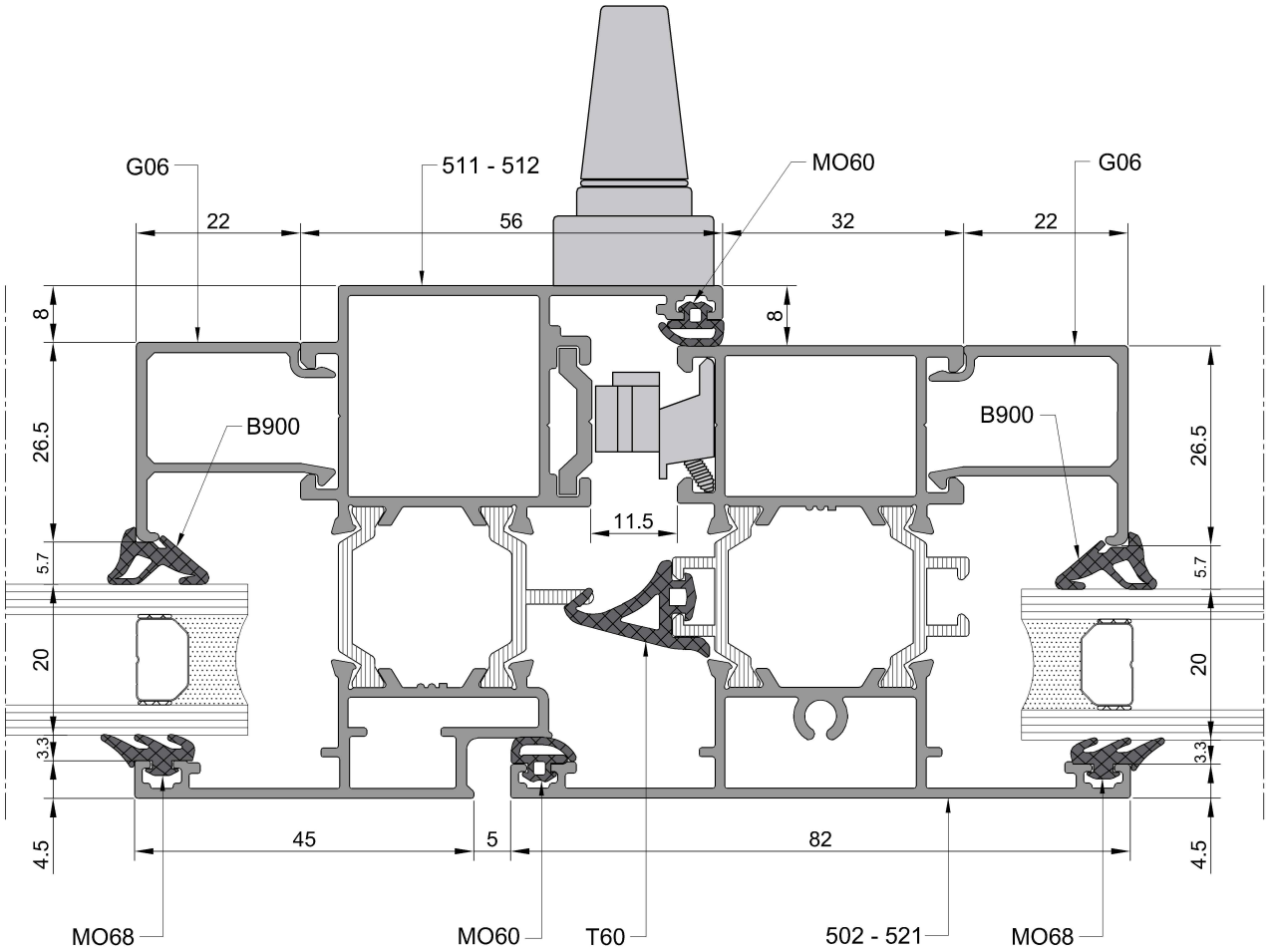


Scale 1:1

HW-60

Window & Door System





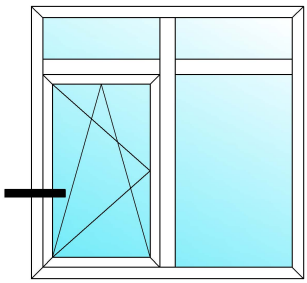
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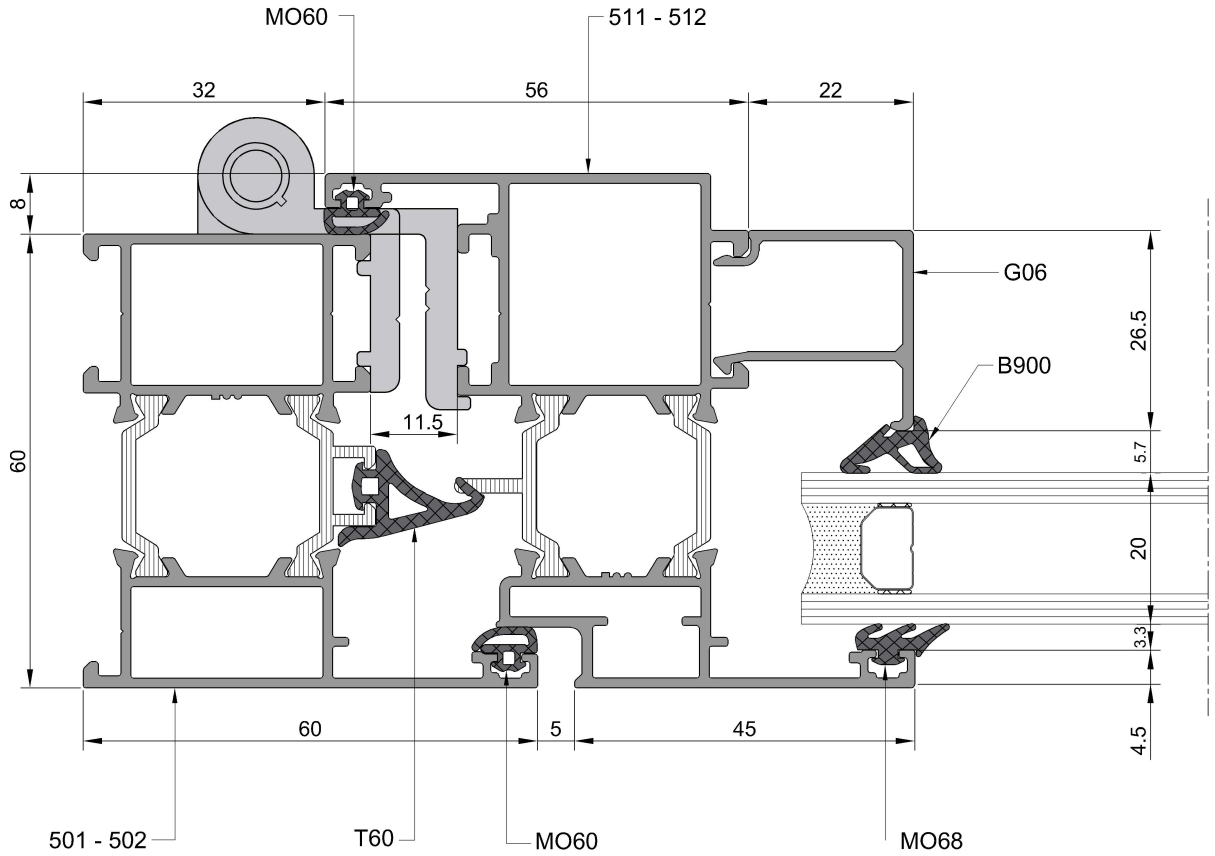
Hooral

Aluminum Profile Systems

HW-60

Window & Door System

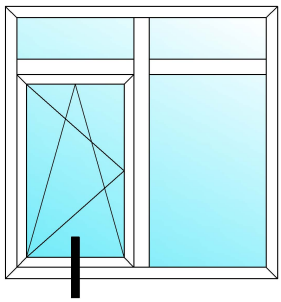


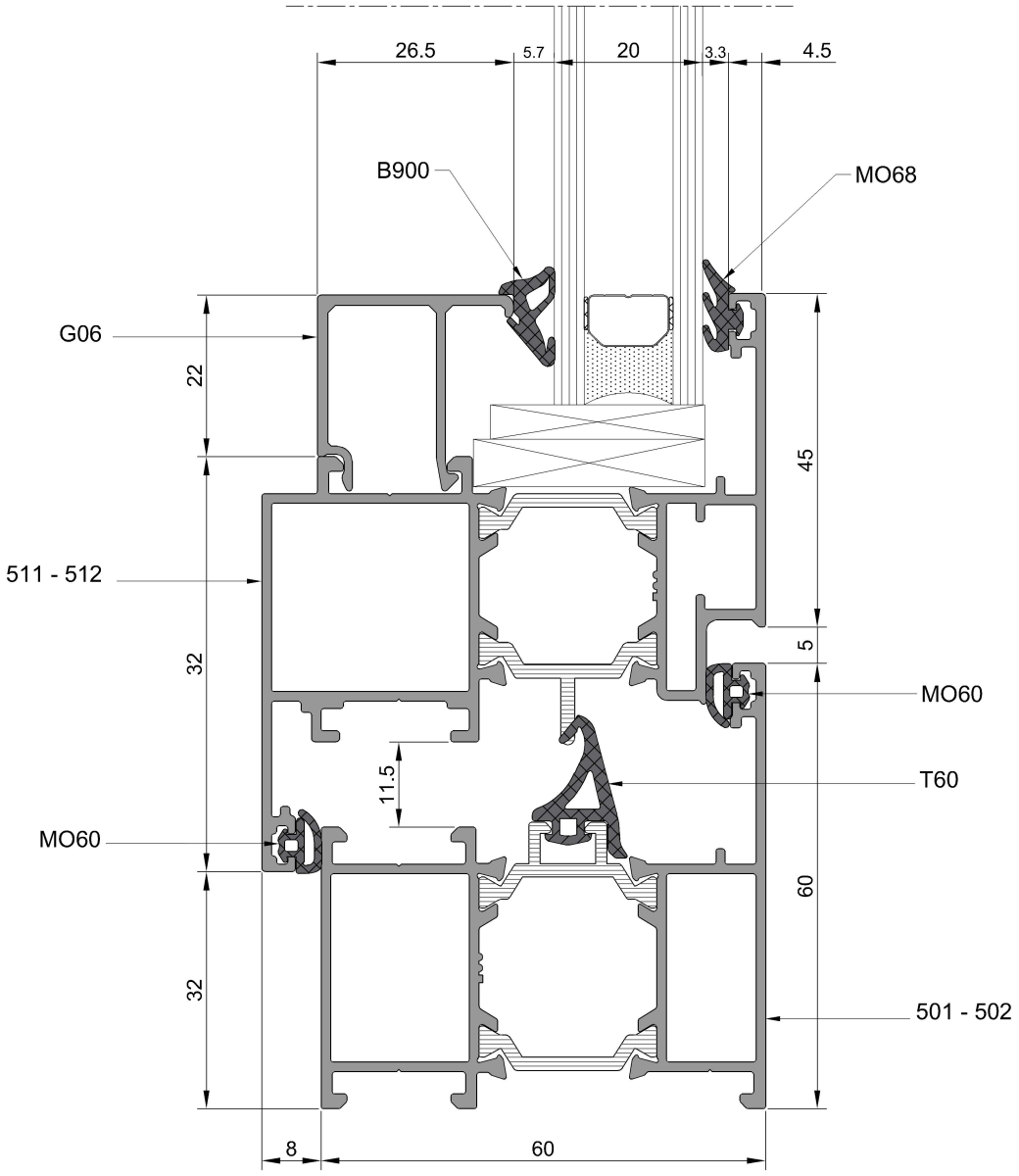


Scale 1:1

HW-60

Window & Door System





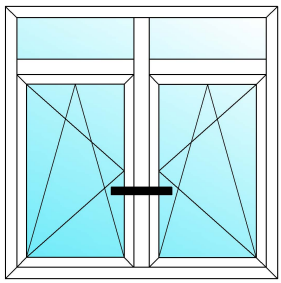
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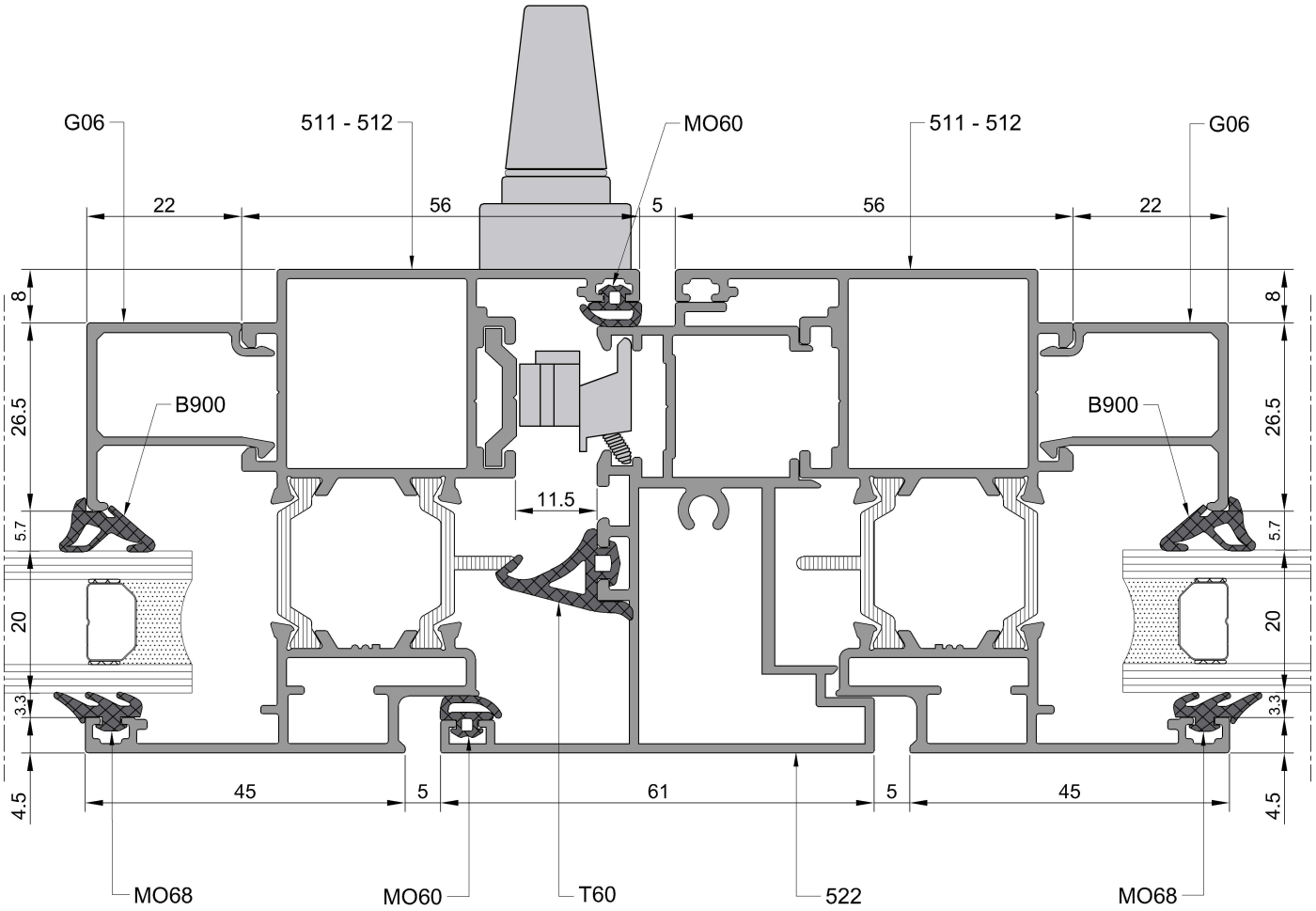
Hooral

Aluminum Profile Systems

HW-60

Window & Door System





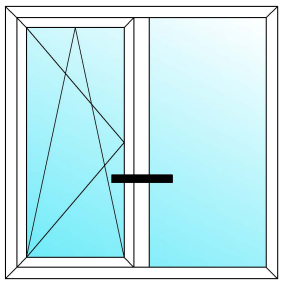
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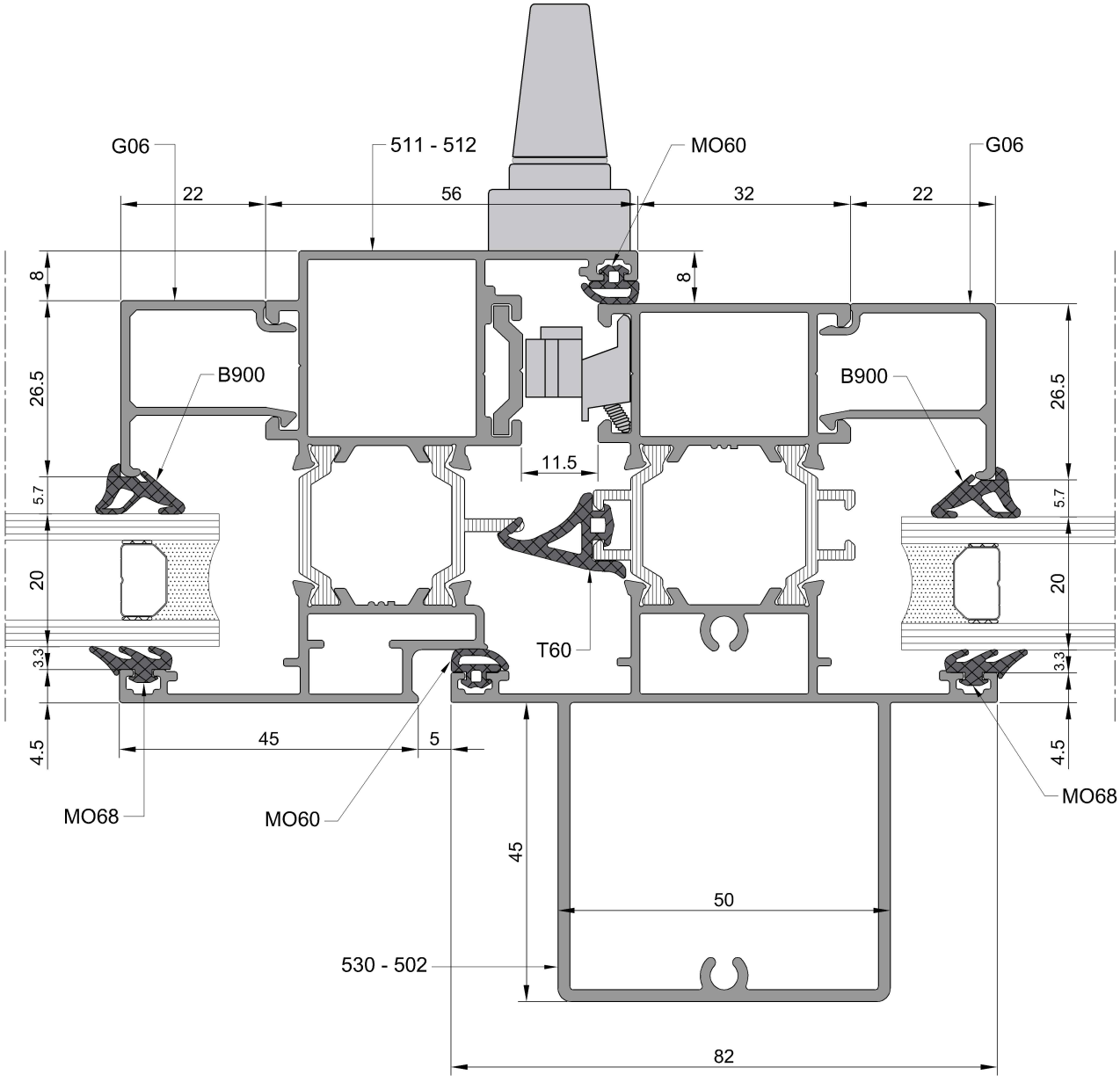
Hooral

Aluminum Profile Systems

HW-60

Window & Door System

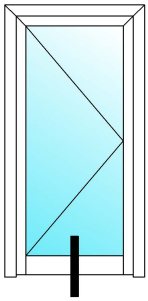


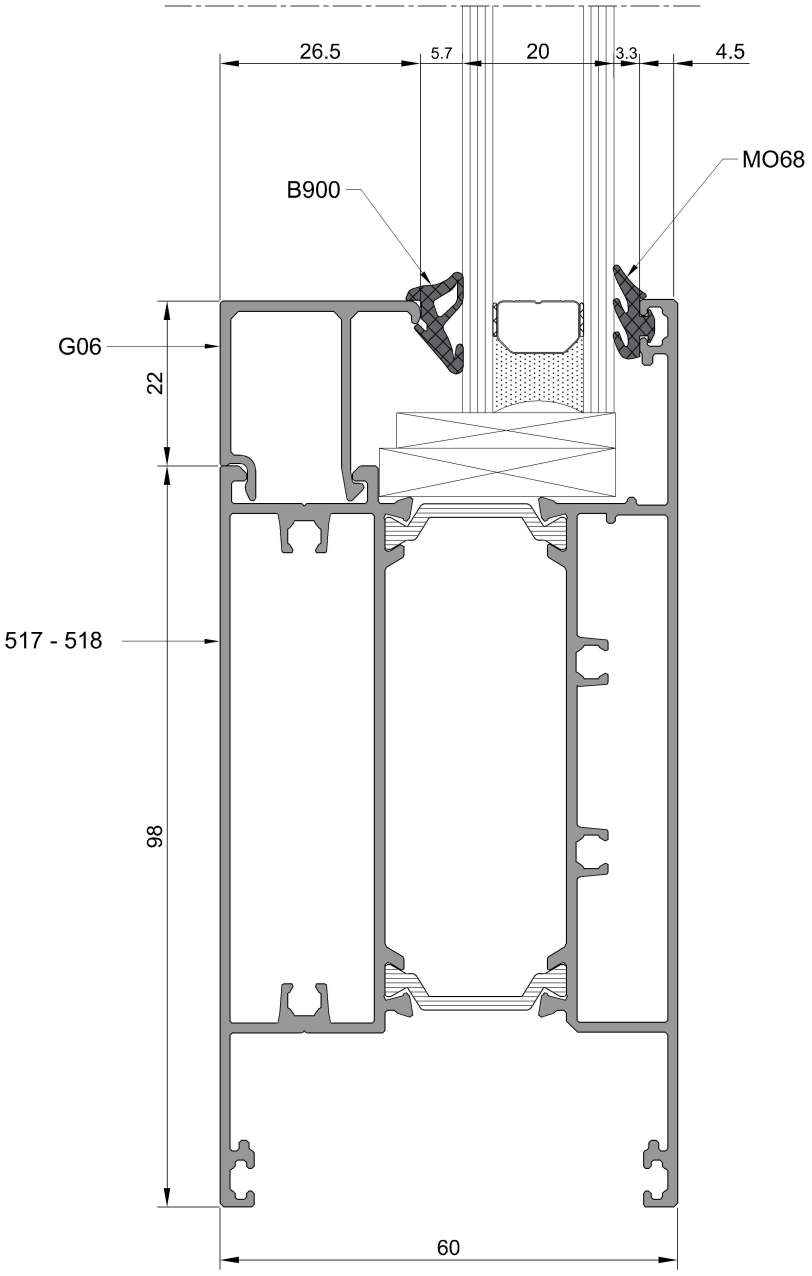


Scale 1:1

HW-60

Window & Door System

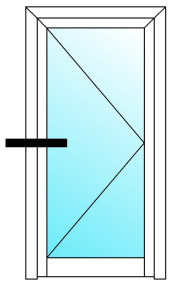


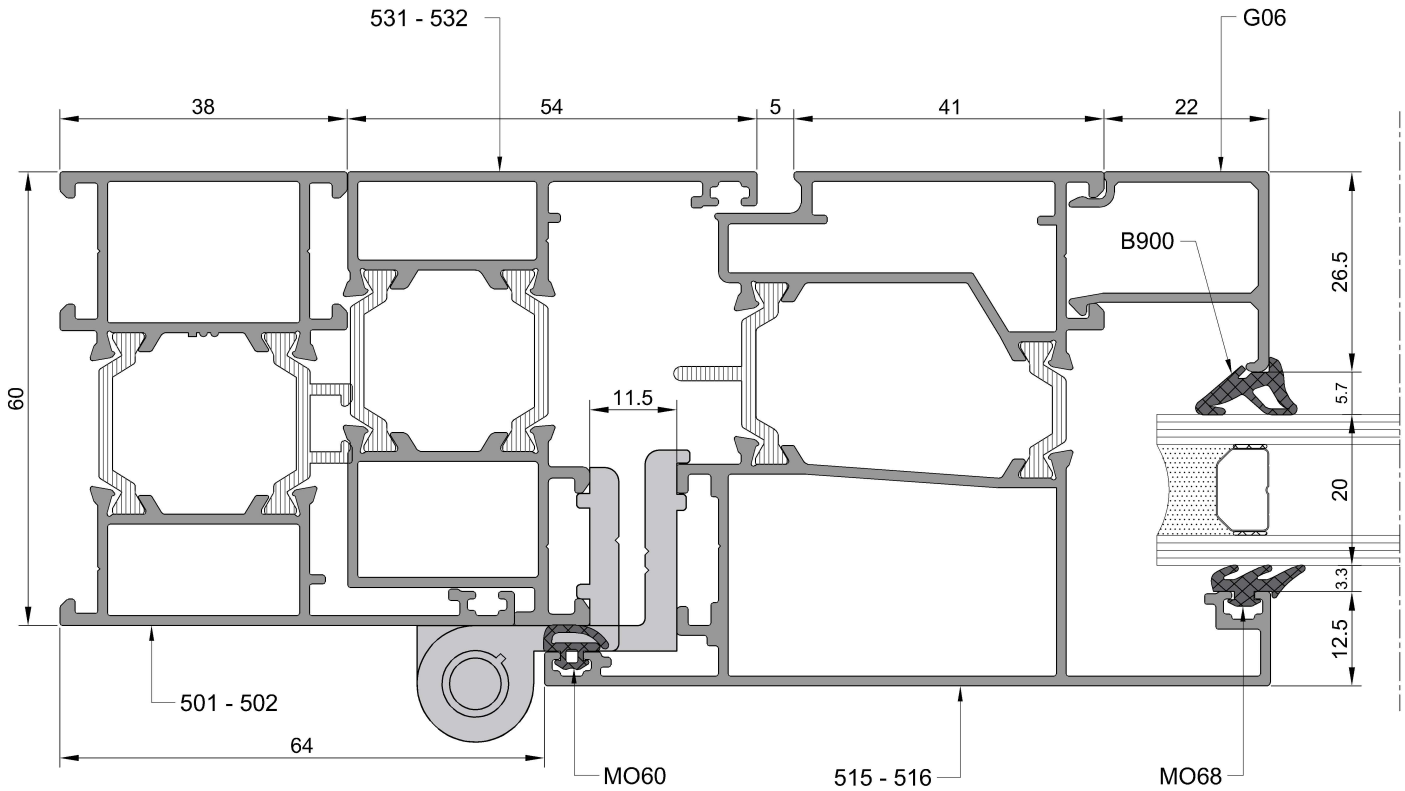


Scale 1:1

HW-60

Window & Door System

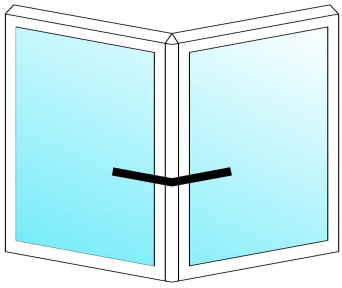


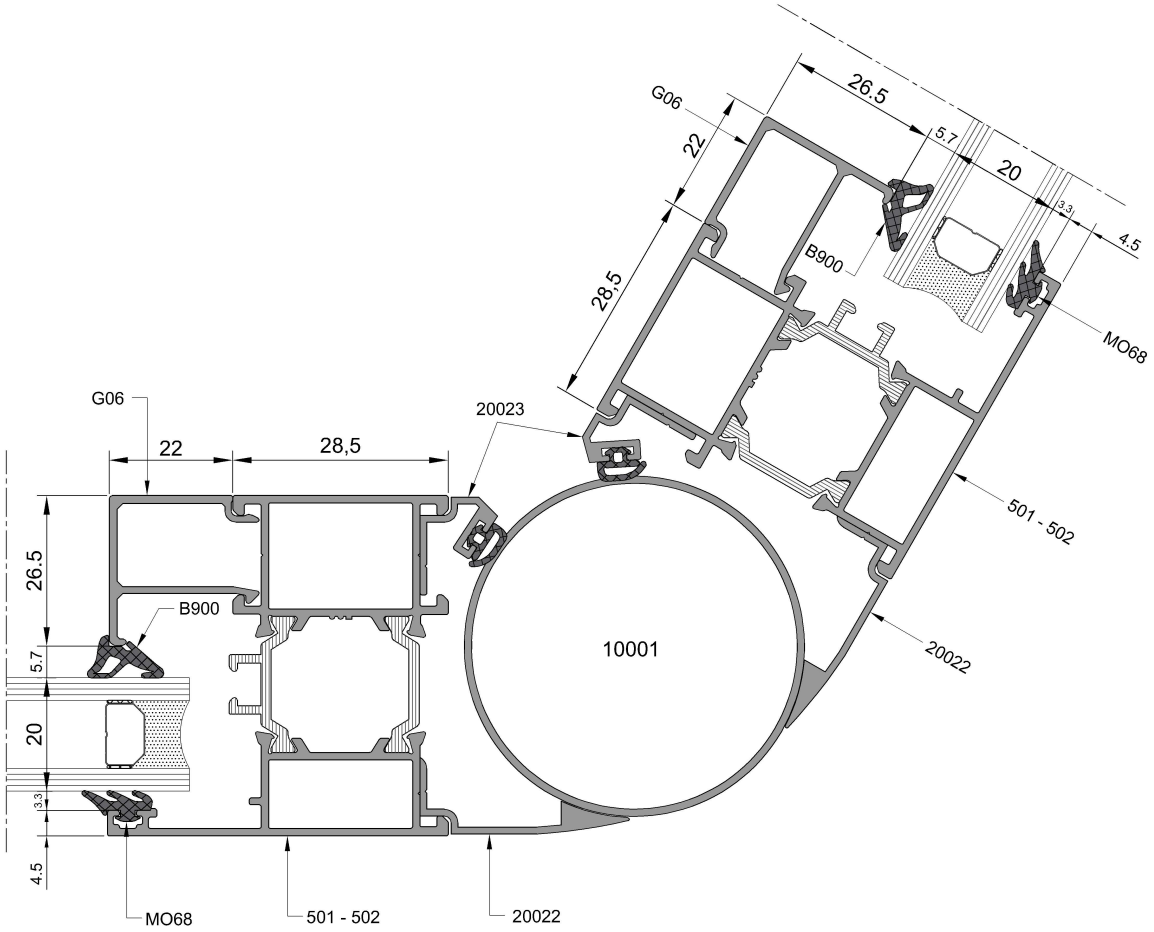


Scale 1:1

HW-60

Window & Door System





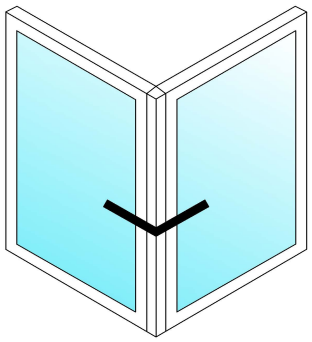
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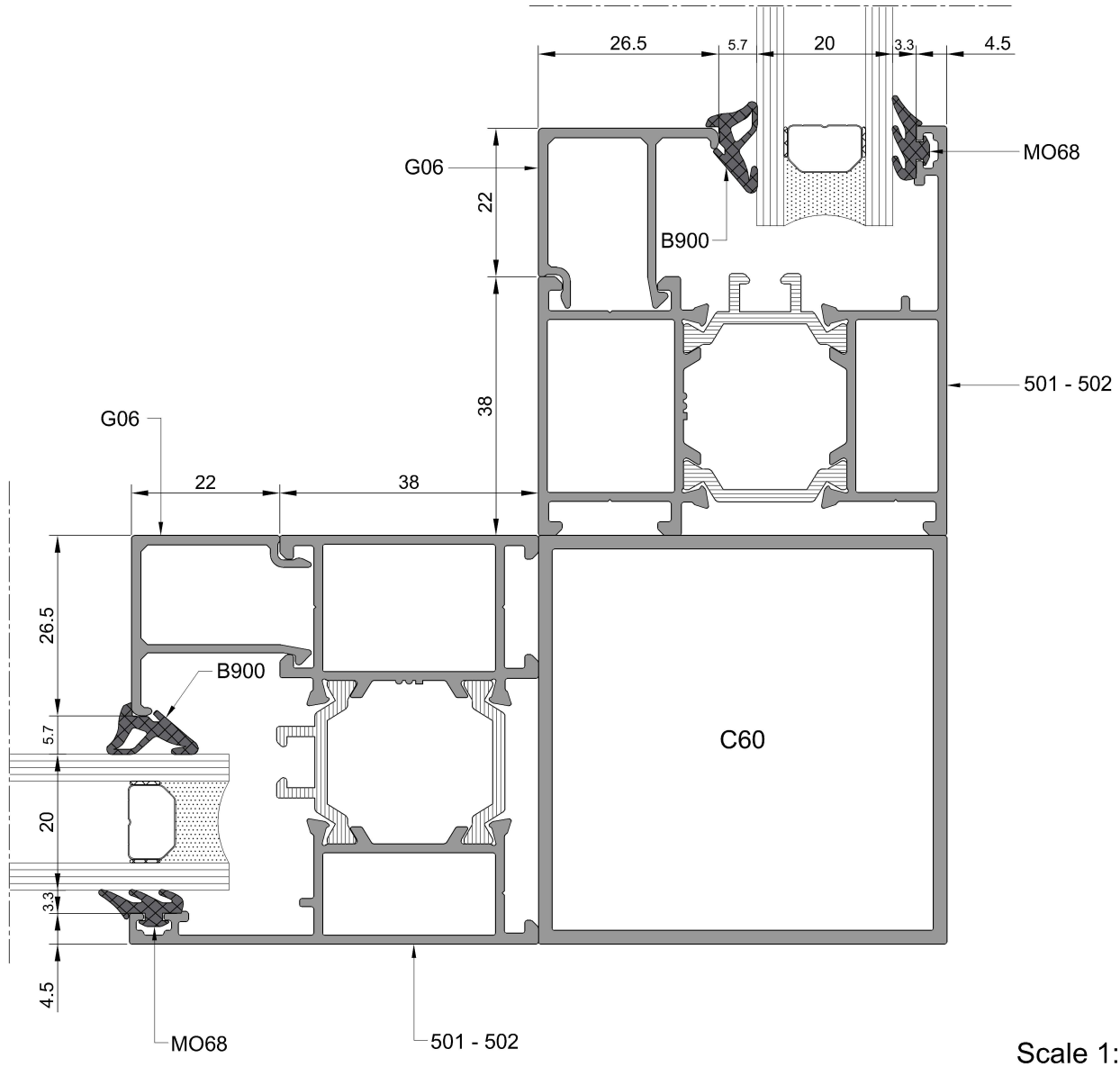
Hooral

Aluminum Profile Systems

HW-60

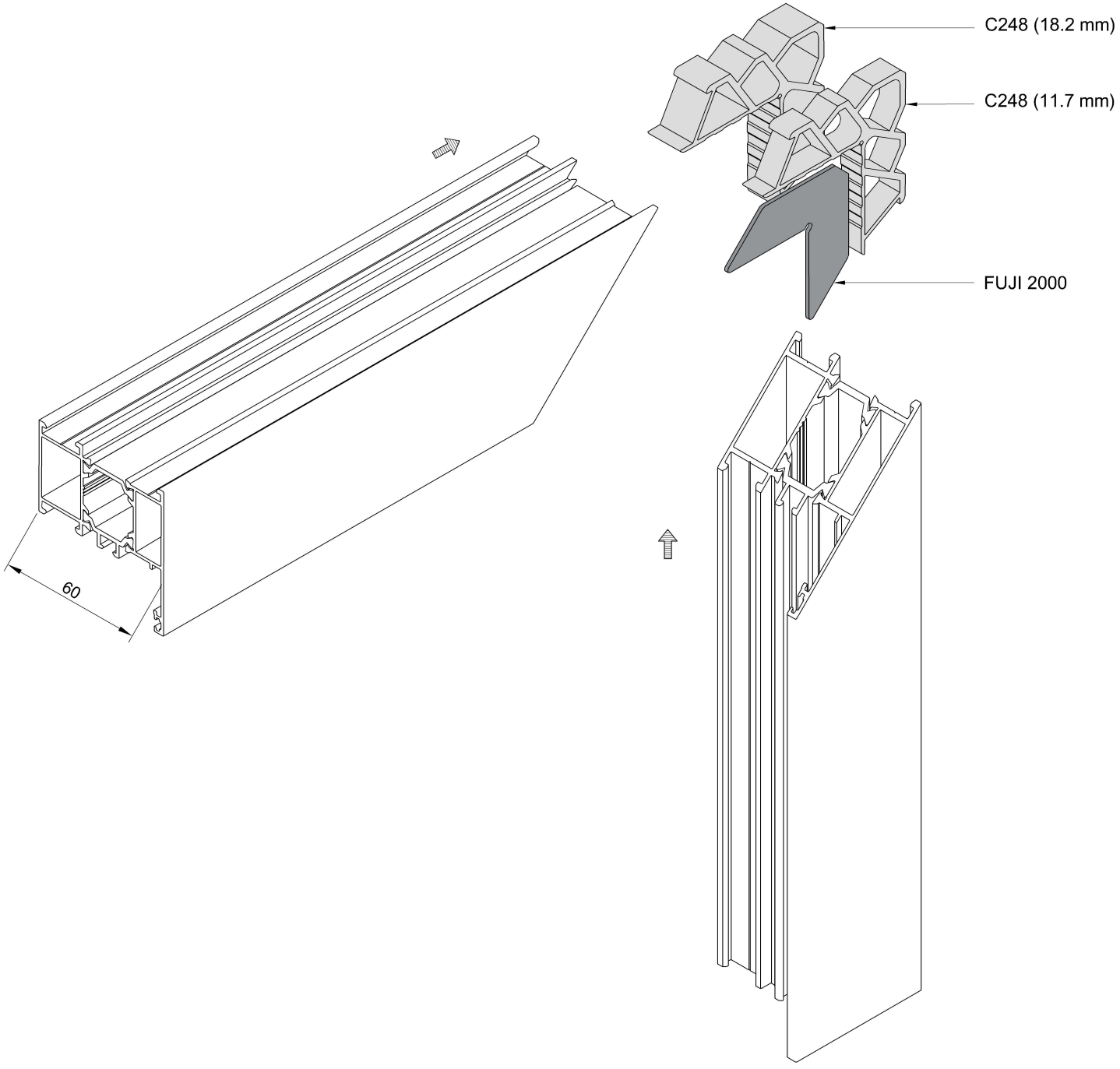
Window & Door System

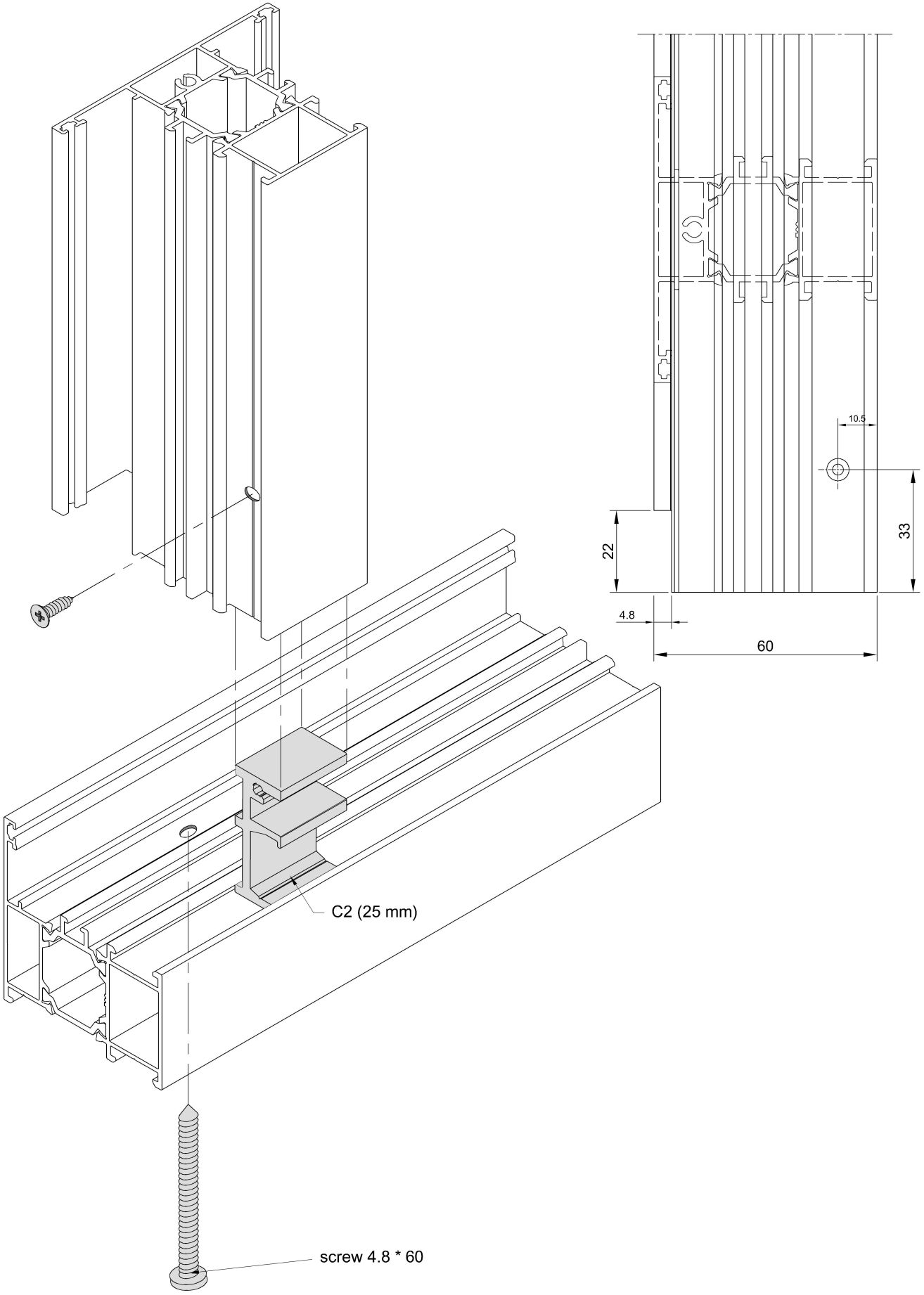




Scale 1:1

MACHINING


C248 (18.2 mm)
C248 (11.7 mm)
FUJI 2000
60


10.5
33
22
4.8
60
C2 (25 mm)
screw 4.8 * 60