



GlobAlum
Globaly Aluminum Passion

**SLIDING SYSTEM
SERIES GSI42**



GSI42

دسته بندی شهرها بر مبنای سرعت باد
گروه یک

City	Wind Velocity Km/h	سرعت باد	نام شهر
TORBAT HEYDARIEH	80		تربت حیدریه
KHORRAM ABAD	80		خرم آباد
ZANJAN	80		زنجان
SEMNAN	80		سمنان
SHAHROUD	80		شاهرود
SHAHRE KORD	80		شهر کرد
SHIRAZ	80		شیراز
GORGAN	80		گرگان

ارتفاع ساختمان از تراز همکف به متر	فشار باد در مناطق داخل شهر		گروه دسته بندی شده بر مبنای فشار باد
	کیلو نیوتن بر متر مربع	پاسکال بر متر مربع	
5	0.48	480	Class 1
10	0.48	480	Class 1
15	0.51	510	Class 1
20	0.56	560	Class 1
25	0.59	590	Class 1
30	0.63	630	Class 2
35	0.66	660	Class 2
40	0.68	680	Class 2
45	0.71	710	Class 2
50	0.73	730	Class 2
55	0.75	750	Class 2
60	0.77	770	Class 2
65	0.79	790	Class 2
70	0.81	810	Class 3
75	0.83	830	Class 3
80	0.84	840	Class 3
85	0.86	860	Class 3
90	0.87	870	Class 3
95	0.89	890	Class 3

دسته بندی شهرها بر مبنای سرعت باد
گروه دو

City	Wind Velocity Km/h	سرعت باد	نام شهر
ARAK	90		اراک
UROMIE	90		ارومیه
ABADAN	90		آبادان
BANDAR LENGEH	90		بندر لنگه
BIRJAND	90		بیرجند
CHABAHAR	90		چابهار
KHOY	90		خوی
RAMSAR	90		رامسر
RASHT	90		رشت
SABZEVAR	90		سبزوار
SANANDAJ	90		سنندج
TABAS	90		طبس
FASA	90		فسا
QA-EM SHAHR	90		قائم شهر
QOM	90		قم
KERMANSHAH	90		کرمانشاه
MASH'HAD	90		مشهد
NOSHAHR	90		نوشهر

ارتفاع ساختمان از تراز همکف به متر	فشار باد در مناطق داخل شهر		گروه دسته بندی شده بر مبنای فشار باد
	کیلو نیوتن بر متر مربع	پاسکال بر متر مربع	
5	0.60	600	Class 1
10	0.60	600	Class 1
15	0.65	650	Class 2
20	0.70	700	Class 2
25	0.75	750	Class 2
30	0.79	790	Class 2
35	0.83	830	Class 3
40	0.87	870	Class 3
45	0.90	900	Class 3
50	0.93	930	Class 3
55	0.95	950	Class 3
60	0.98	980	Class 3

دسته بندی شهرها بر مبنای سرعت باد

گروه سه

City	Wind Velocity Km/h	سرعت باد	نام شهر
ABADEH	100		آباد
BABOLSAR	100		بابلسر
BANDAR ABBAS	100		بندر عباس
BOUSHEHR	100		بوشهر
PARS ABAD MOGHAN	100		پارس آباد مغان
TEHRAN	100		تهران
JASK	100		جاسک
KISH	100		جزیره کیش
SAGHEZ	100		سقز
QAZVIN	100		قزوین
KASHAN	100		کاشان
HAMEDAN	100		همدان

ارتفاع ساختمان از تراز همکف به متر	فشار باد در مناطق داخل شهر		گروه دسته بندی شده بر مبنای فشار باد
	کیلو نیوتن بر متر مربع	پاسکال بر متر مربع	
5	0.74	740	Class 2
10	0.74	740	Class 2
15	0.80	800	Class 2
20	0.87	870	Class 3
25	0.93	930	Class 3
30	0.98	980	Class 3
35	1.03	1030	Class 3
40	1.07	1070	Class 3
45	1.11	1110	Class 3
50	1.14	1140	Class 3
55	1.18	1180	Class 3
60	1.21	1210	Class 4
65	1.24	1240	Class 4
70	1.26	1260	Class 4
75	1.29	1290	Class 4
80	1.32	1320	Class 4
85	1.34	1340	Class 4
90	1.36	1360	Class 4

دسته بندی شهرها بر مبنای سرعت باد
گروه چهار

City	Wind Velocity Km/h	سرعت باد	نام شهر
ISFAHAN	110		اصفهان
OMIDIEH	110		امیدیه
AHWAZ	110		اهواز
IRANSHAHR	110		ایران شهر
ABALI	110		آبعلی
AGHAJARI	110		آغاجاری
BAM	110		بم
BANDAR ANZALI	110		بندر انزلی
TABRIZ	110		تبریز
SIRI	110		جزیره سیری
DEZFOUL	110		دزفول
SARAKHS	110		سرخس
MARAGHE	110		مراغه
YAZD	110		یزد

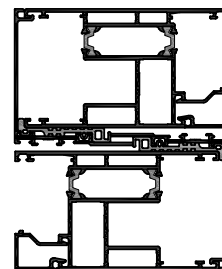
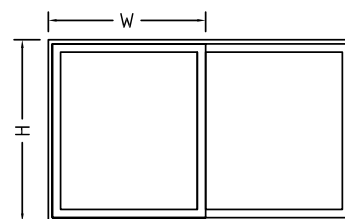
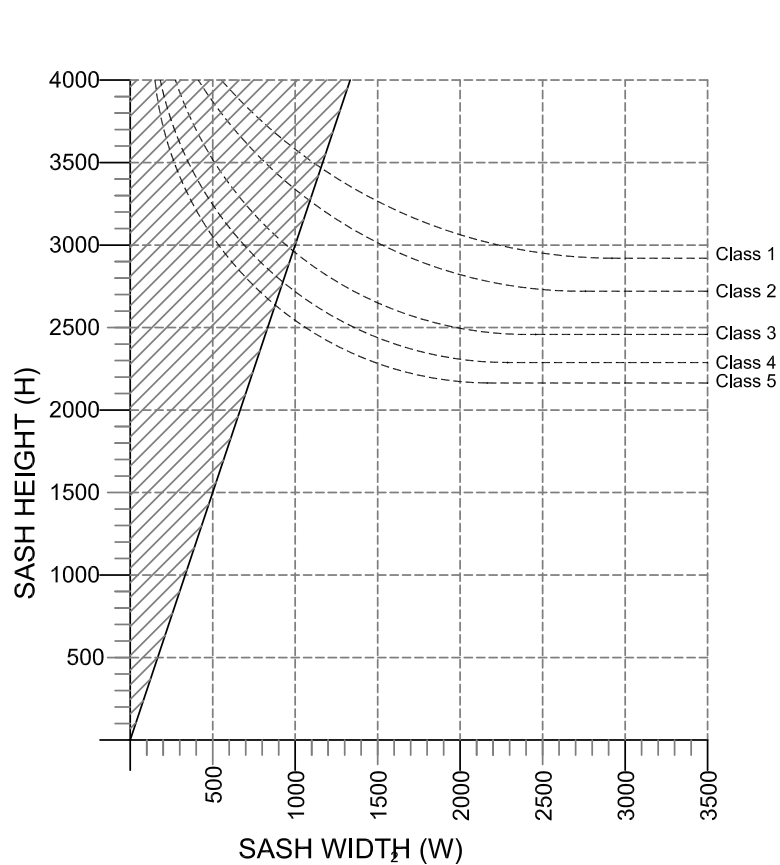
ارتفاع ساختمان از تراز همکف به متر	فشار باد در مناطق داخل شهر		گروه دسته بندی شده بر مبنای فشار باد
	کیلو نیوتن بر متر مربع	پاسکال بر متر مربع	
5	0.90	900	Class 3
10	0.90	900	Class 3
15	0.96	960	Class 3
20	1.05	1050	Class 3
25	1.12	1120	Class 3
30	1.19	1190	Class 3
35	1.24	1240	Class 4
40	1.29	1290	Class 4
45	1.34	1340	Class 4
50	1.38	1380	Class 4
55	1.42	1420	Class 4
60	1.46	1460	Class 4
65	1.50	1500	Class 4
70	1.53	1530	Class 4
75	1.56	1560	Class 4
80	1.59	1590	Class 4

دسته بندی شهرها بر مبنای سرعت باد

گروه پنج

City	Wind Velocity Km/h	سرعت باد	نام شهر
ZABOL	120		زابل
ARDEBIL	130		اردبیل
BOJNOURD	130		بجنورد
ZAHEDAN	130		زاهدان
KERMAN	130		کرمان
MANJIL	130		منجیل

ارتفاع ساختمان از تراز همکف به متر	فشار باد در مناطق داخل شهر		گروه دسته بندی شده بر مبنای فشار باد
	کیلو نیوتن بر متر مربع	پاسکال بر متر مربع	
5	1.26	1260	Class 4
10	1.26	1260	Class 4
15	1.35	1350	Class 4
20	1.47	1470	Class 4
25	1.57	1570	Class 4
30	1.66	1660	Class 5
35	1.74	1740	Class 5
40	1.81	1810	Class 5
45	1.87	1870	Class 5
50	1.93	1930	Class 5
55	1.99	1990	Class 5



$$J_x = 52.2 \times 2 = 104.4 \text{ cm}^4$$

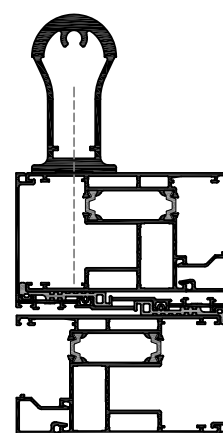
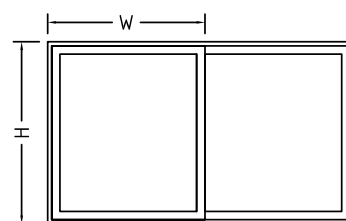
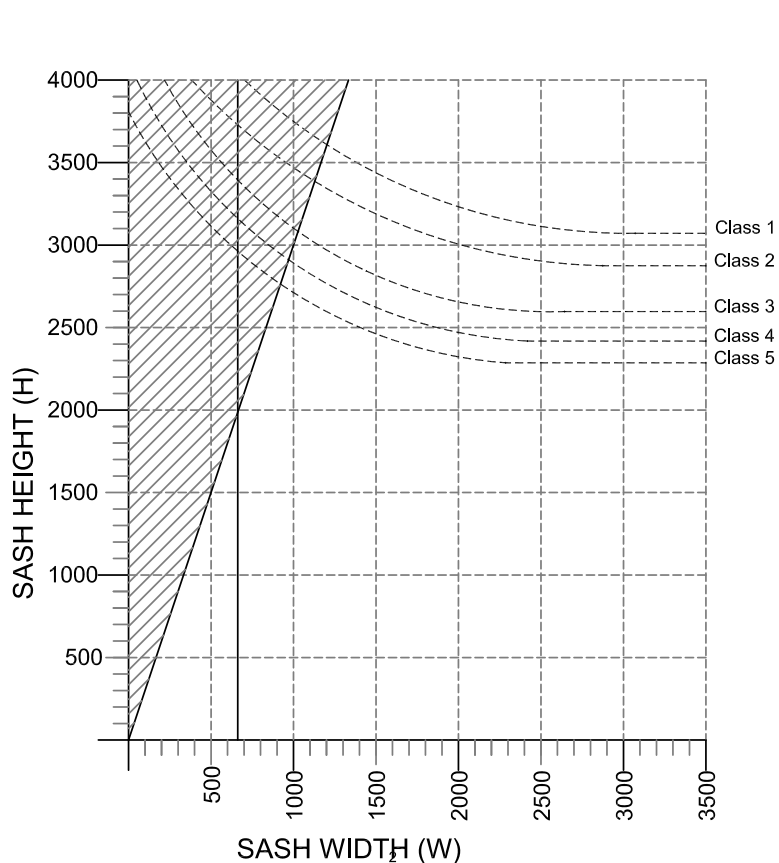
- Class 1, 0.6 kN/m, 600 Pa/m²
- Class 2, 0.8 kN/m², 800 Pa/m²
- Class 3, 1.2 kN/m², 1200 Pa/m²
- Class 4, 1.6 kN/m², 1600 Pa/m²
- Class 5, 2.0 kN/m², 2000 Pa/m²

NOTES:

Max. Deflection = 15mm. in accordance with EN14351-1

Max. Sash weight = 300 kg

Not recommended dimension



$$J_x = (52.2 \times 2) + 25.82$$

$$= 130.22 \text{ cm}^4$$

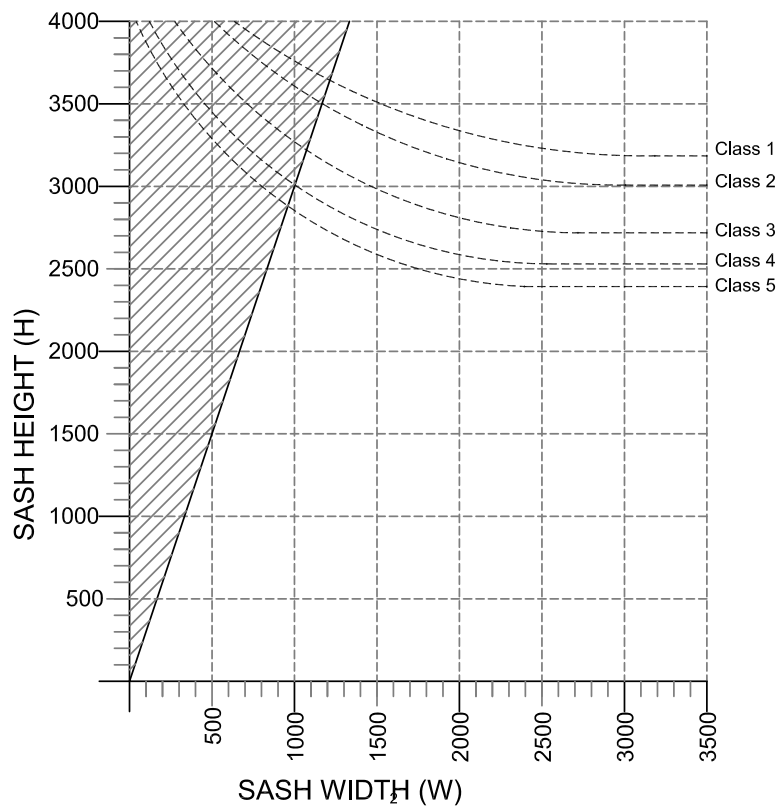
- Class 1, 0.6 kN/m, 600 Pa/m²
- Class 2, 0.8 kN/m², 800 Pa/m²
- Class 3, 1.2 kN/m², 1200 Pa/m²
- Class 4, 1.6 kN/m², 1600 Pa/m²
- Class 5, 2.0 kN/m², 2000 Pa/m²

NOTES:

Max. Deflection = 15mm. in accordance with EN14351-1

Max. Sash weight = 300 kg

 Not recommended dimension



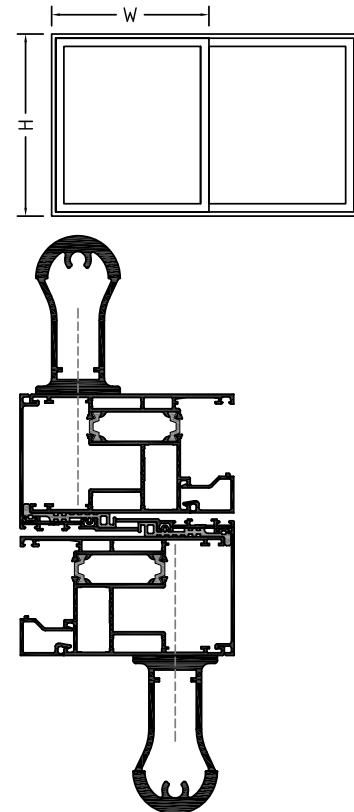
- Class 1, 0.6 kN/m, 600 Pa/m²
- Class 2, 0.8 kN/m², 800 Pa/m²
- Class 3, 1.2 kN/m², 1200 Pa/m²
- Class 4, 1.6 kN/m², 1600 Pa/m²
- Class 5, 2.0 kN/m², 2000 Pa/m²

NOTES:

Max. Deflection = 15mm. in accordance with EN14351-1

Max. Sash weight = 300 kg

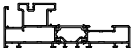
Not recommended dimension



$$J_x = (52.2 \times 2) + (25.82 \times 2)$$

$$= 156.04 \text{ cm}^4$$

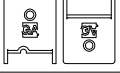
PROFILES :

Number	Shape	DESCRIPTION	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
2111421		Frame profile 46/24 . Polyamid34	167.93	16.71
2111422		Frame profile 46/24 . Polyamid24	164.29	16.98
2111423		Pocket Frame profile 46/46	44.01	16.02
2116804		Fix Frame profile 60/38/142	162.06	2.67
2211421		Sash profile 103/81	46.99	35.64
2411421		Thermal break frame Mullion Transom 92/48	34.36	27.98
2611421		Meeting profile	—	—
1000439		Frame cover	—	—
1000440		Frame cover	—	—
1000441		Fixed sash add on profile	—	—
1000445		Interlock	—	—
1000525		Middle opening interlock	—	—
1000461		Rail	—	—
5422200		Fixed sash support	—	—
1000520		Drainage Cover Profile	—	—
1000521		Drainage Channel Profile	—	—
1000522		Support Profile	—	—
1000200		Cover Profile	—	—
1000564		Wall Connection Profile	—	—

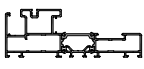
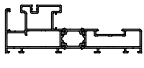
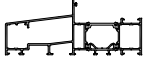
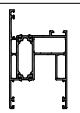
PROFILES :

Number	Shape	DESCRIPTION
1000334		Glazing bead 5 mm. 10/14
1000213		Glazing bead 12 mm. 10/14
1000286		Glazing bead 15 mm. 10/14
1000285		Glazing bead 20 mm. 10/14
1000194		Glazing bead 25 mm. 10/14
1000208		Glazing bead 30 mm. 10/14
1000193		Glazing bead 35 mm. 10/14
1000451		Glazing bead 40 mm. 10/14
1000466		Glazing bead 4 mm. 14/18
1000409		Glazing bead 12 mm. 14/18
1000405		Glazing bead 20 mm. 14/18
1000414		Glazing bead 28 mm. 14/18
1000467		Glazing bead 36 mm. 14/18

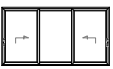
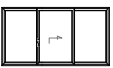
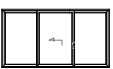
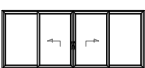
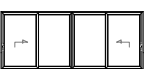
ACCESSORIES :

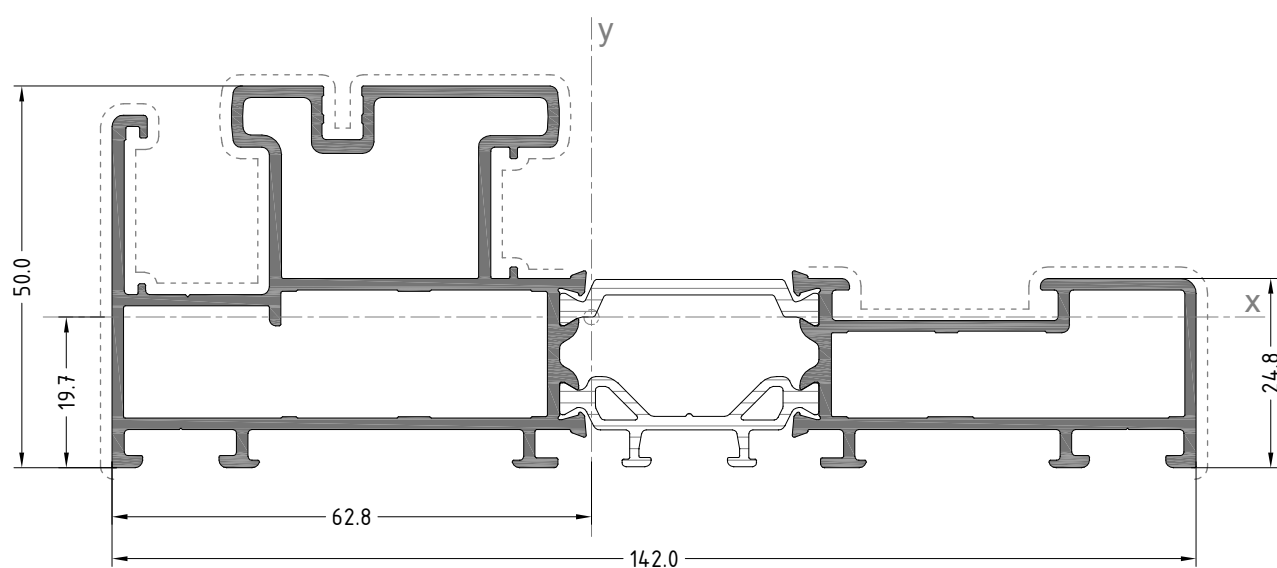
Number	Shape	DESCRIPTION
7001045		Cover gasket
7001043		Thermal Separation gasket
7001054		Weather seal gasket
7001001		Outer glazing gasket
7001002		Inner glazing gasket 7-8 mm
7001005		Inner glazing gasket 5-6 mm
7001034		Inner glazing gasket 3-4 mm
7501021		Cover Plug
7906807		Brush

CORNERS :

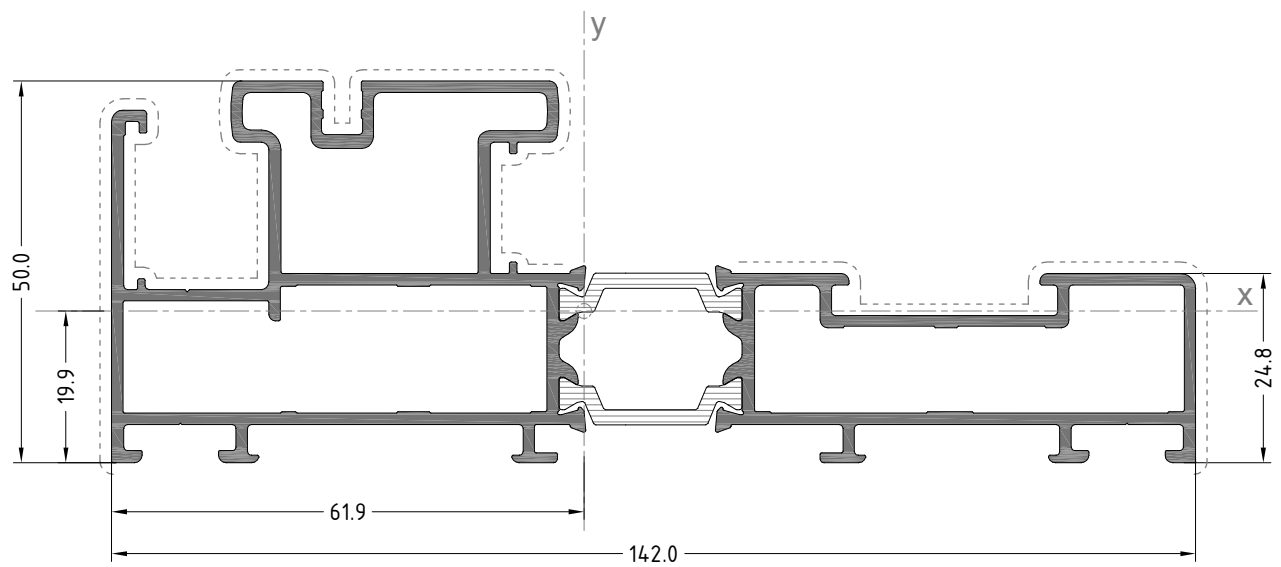
Number	Shape	Corner Nail / Crimp	Corner Alignment
2111421		5387459 5301345	7501011
2111422		5387559 5301345	7501011
2111423		5301345	7501011 7501011
2116804		5196209 5196102 5196209	—
2211421		5301322 5196086 5196053	7501011 7501020 7501020

GS142 : Lift & Sliding

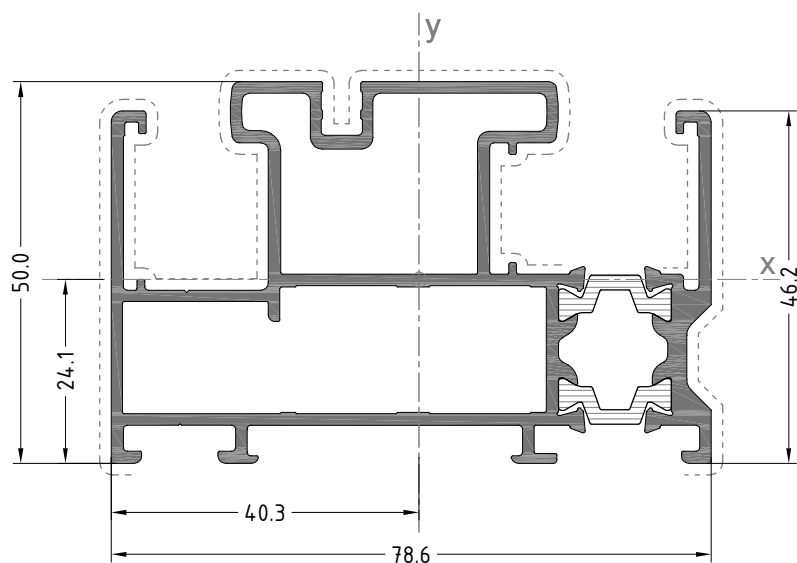
Type	Shape	 7501021	 7501021	 5422200
Dual Rail		1 Set	—	2 pieces
		—	1 Set	2 pieces
		1 Set	1 Set	2 pieces
		1 Set	—	4 pieces
		—	1 Set	4 pieces
		1 Set	1 Set	4 pieces
		1 Set	1 Set	4 pieces



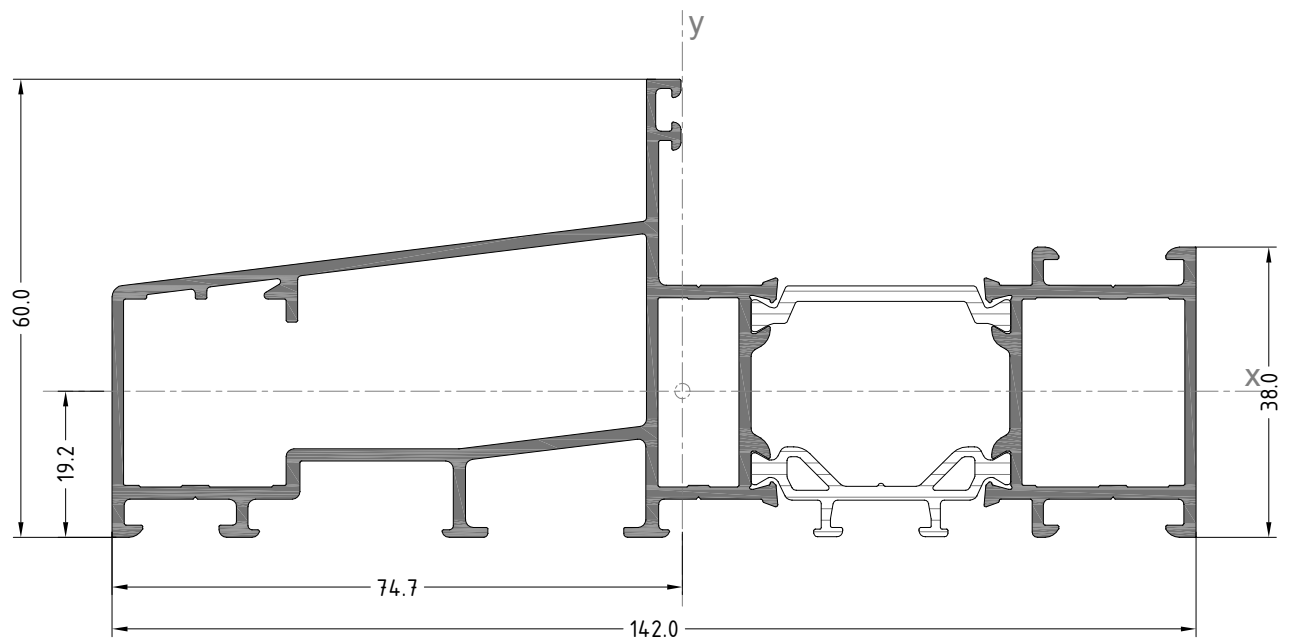
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Frame profile 46/24 . Polyamid34	2111421	167.93	16.71	6.28	1.97	55.49	2.11



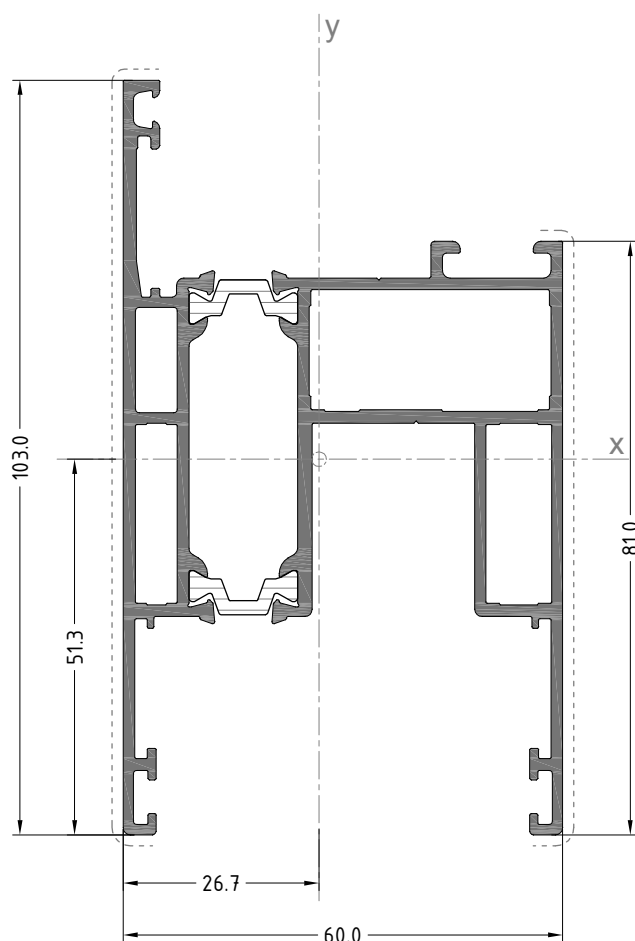
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Frame profile 46/24 . Polyamid24	2111422	164.29	16.98	6.19	1.99	54.55	2.11



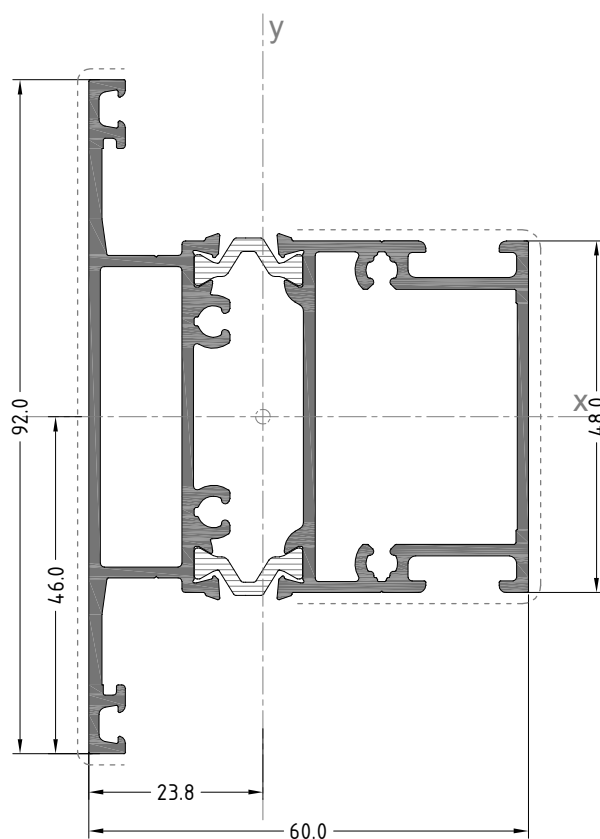
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Pocket Frame profile 46/24	2111423	44.01	16.02	4.03	2.41	16.99	4.18



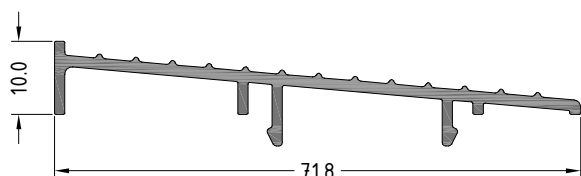
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Fix Frame profile 60/38/142	2116804	162.06	17.97	7.47	1.92	39.67	2.67



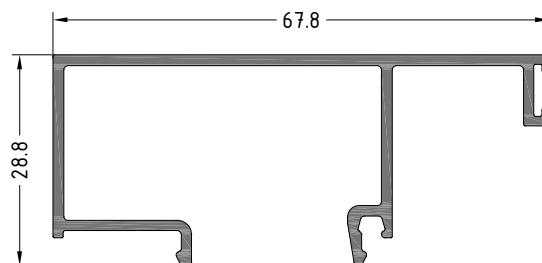
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Sash profile 103/81	2211421	46.99	35.64	2.67	5.13	9.08	10.71



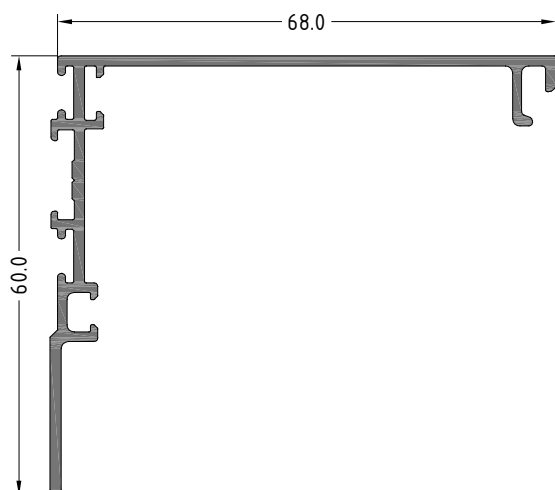
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Mullion Transom 92/48	2411421	34.36	27.98	2.38	4.6	7.47	7.72



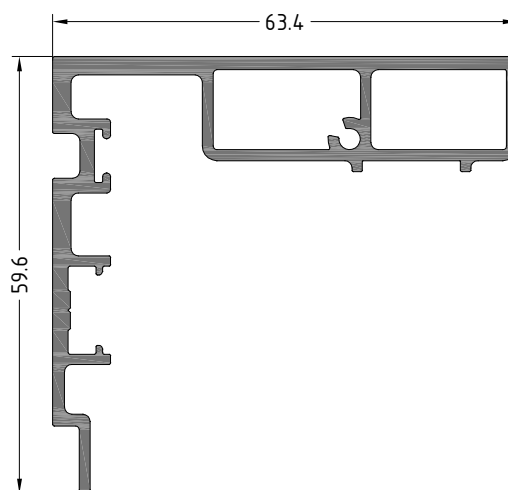
DESCRIPTION	Number
Frame Cover Profile	1000439



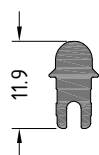
DESCRIPTION	Number
Frame Cover Profile	1000440



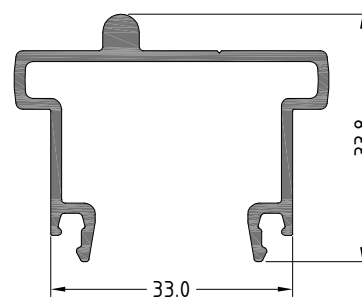
DESCRIPTION	Number
Interlock	1000445



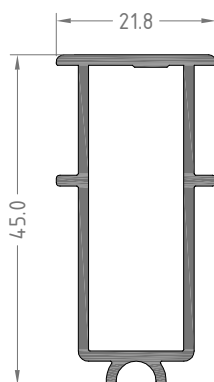
DESCRIPTION	Number
Middle opening interlock	1000525



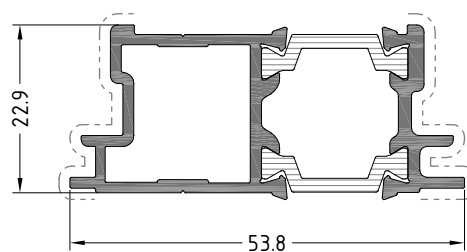
DESCRIPTION	Number
Rail Profile	1000461



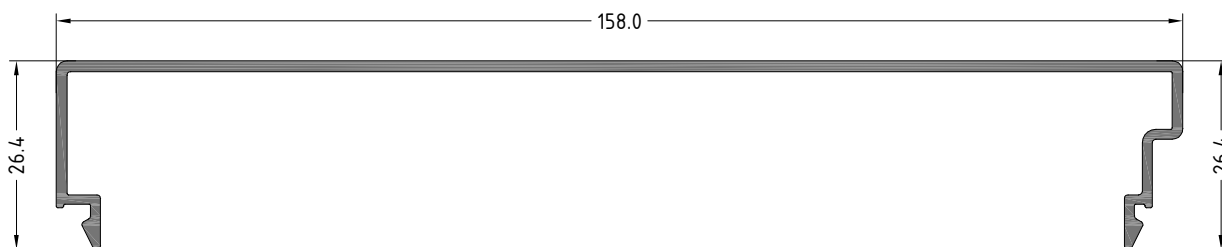
DESCRIPTION	Number
Fixed sash add on profile	1000441



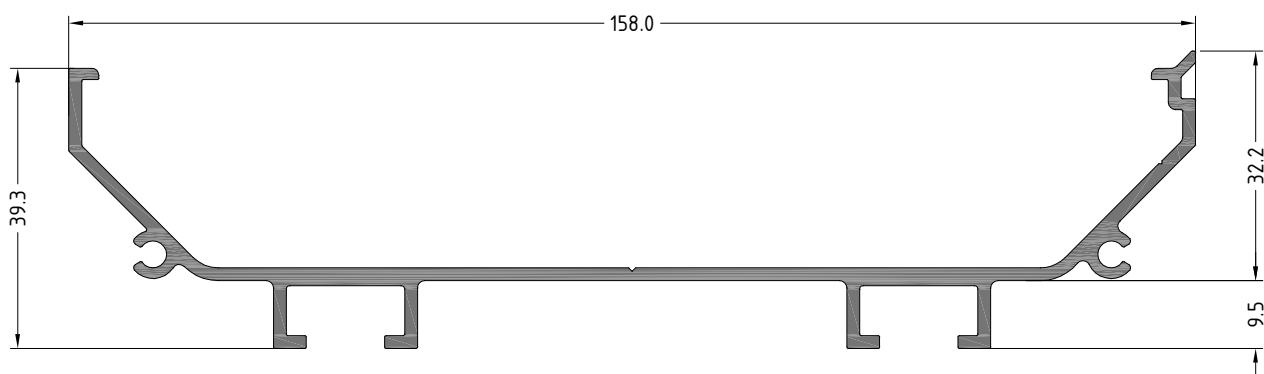
DESCRIPTION	Article number	Length mm.
Fixed sash support	5422200	200



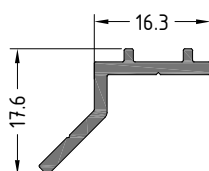
DESCRIPTION	Number
Meeting Profile	2611421



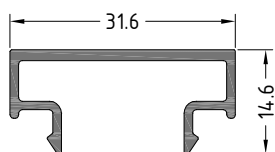
DESCRIPTION	Number
Drainage Cover Profile	1000520



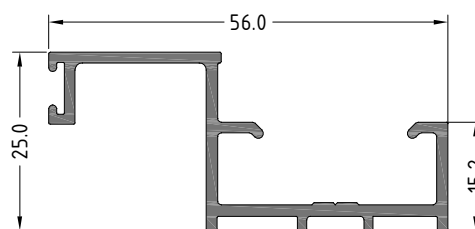
DESCRIPTION	Number
Drainage Channel Profile	1000521



DESCRIPTION	Number
Support Profile	1000522



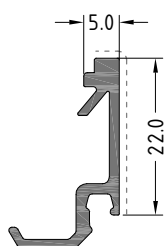
DESCRIPTION	Number
Cover Profile	1000200



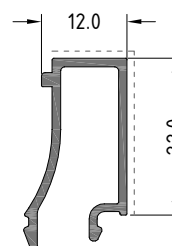
DESCRIPTION	Number
Wall Connection Profile	1000564

SERIES GSI42

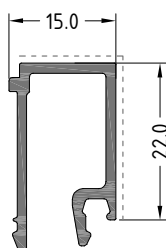
PROFILES



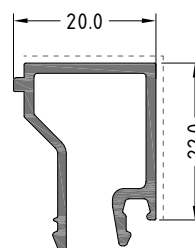
DESCRIPTION	Number
Glazing bead	1000334



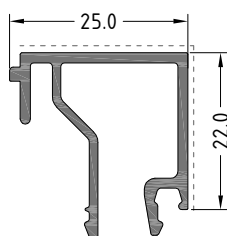
DESCRIPTION	Number
Glazing bead	1000213



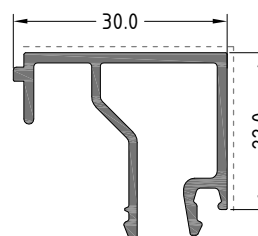
DESCRIPTION	Number
Glazing bead	1000286



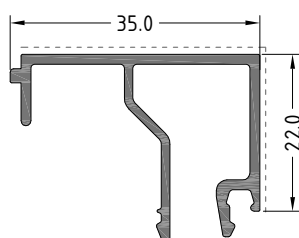
DESCRIPTION	Number
Glazing bead	1000285



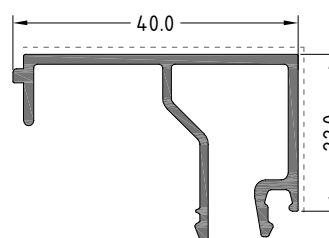
DESCRIPTION	Number
Glazing bead	1000194



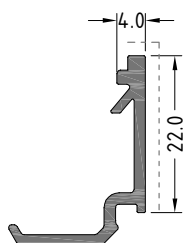
DESCRIPTION	Number
Glazing bead	1000208



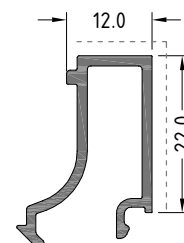
DESCRIPTION	Number
Glazing bead	1000193



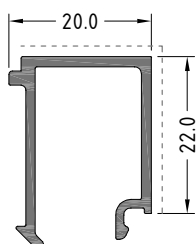
DESCRIPTION	Number
Glazing bead	1000451



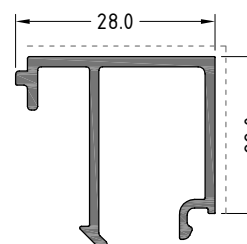
DESCRIPTION	Number
Glazing bead 4mm. 14/18	1000466



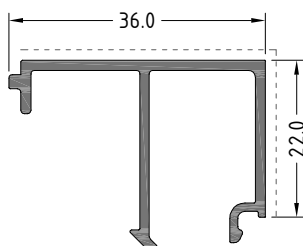
DESCRIPTION	Number
Glazing bead 12mm. 14/18	1000409



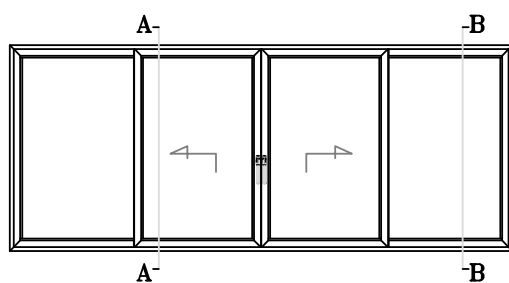
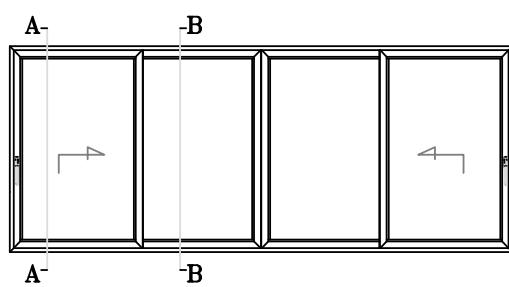
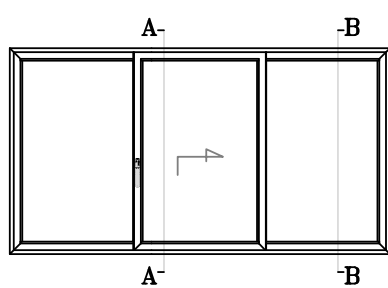
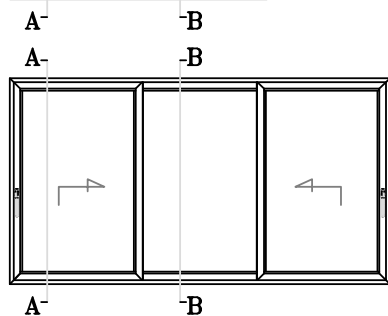
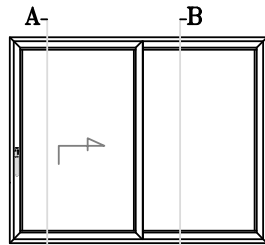
DESCRIPTION	Number
Glazing bead 20mm. 14/18	1000405



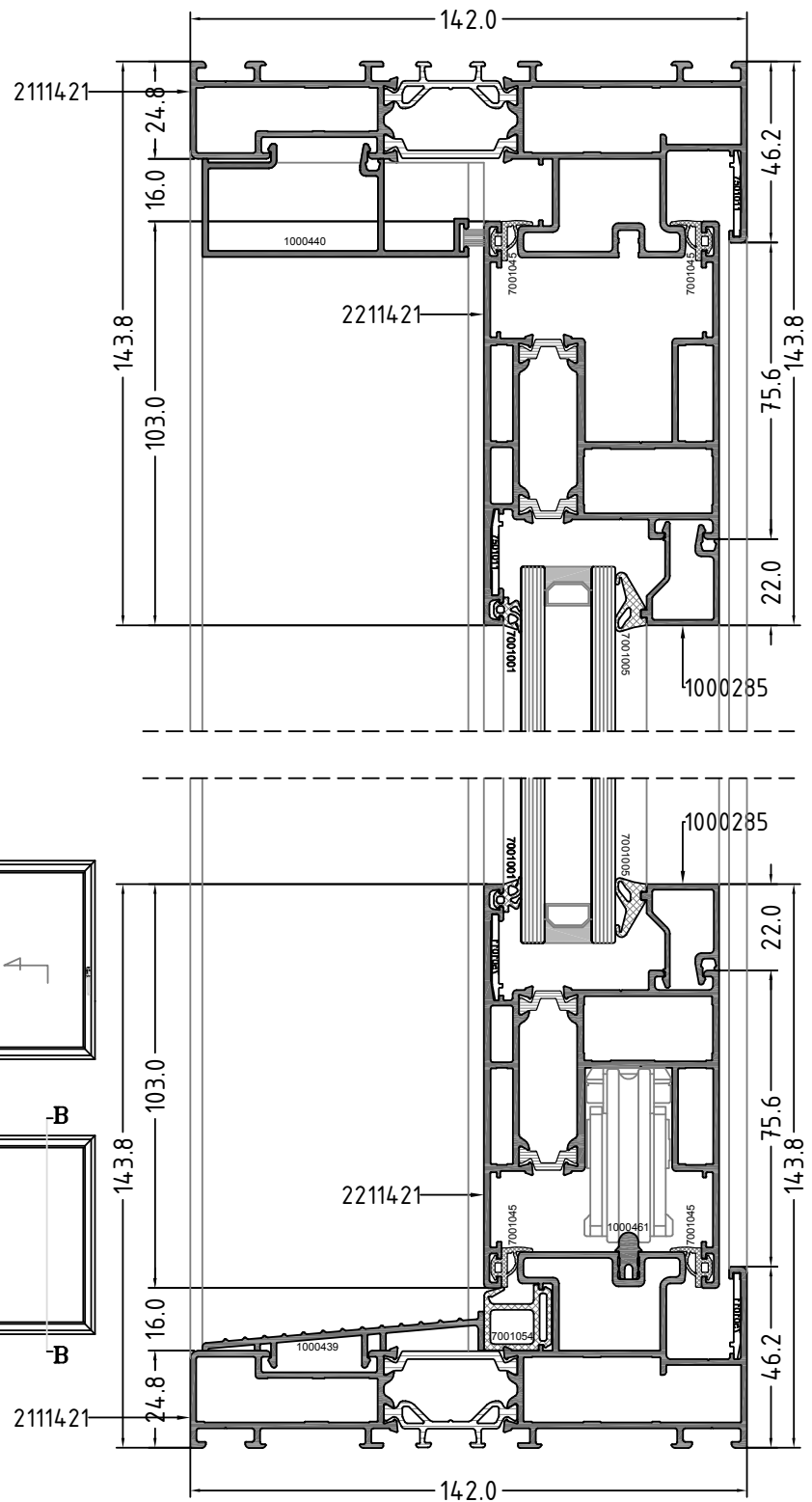
DESCRIPTION	Number
Glazing bead 28mm. 14/18	1000414



DESCRIPTION	Number
Glazing bead 36mm. 14/18	1000467

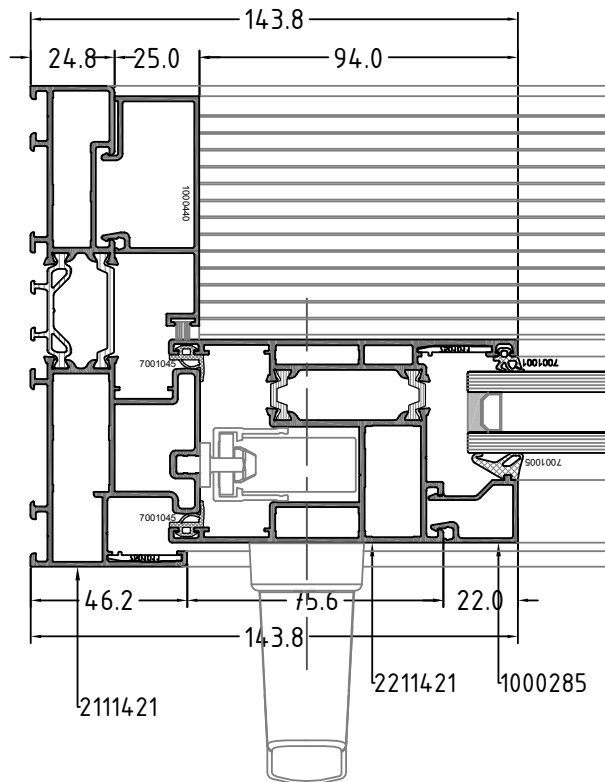
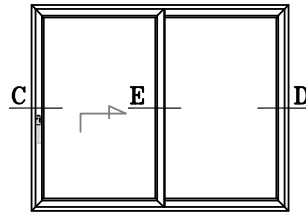


Section A-A

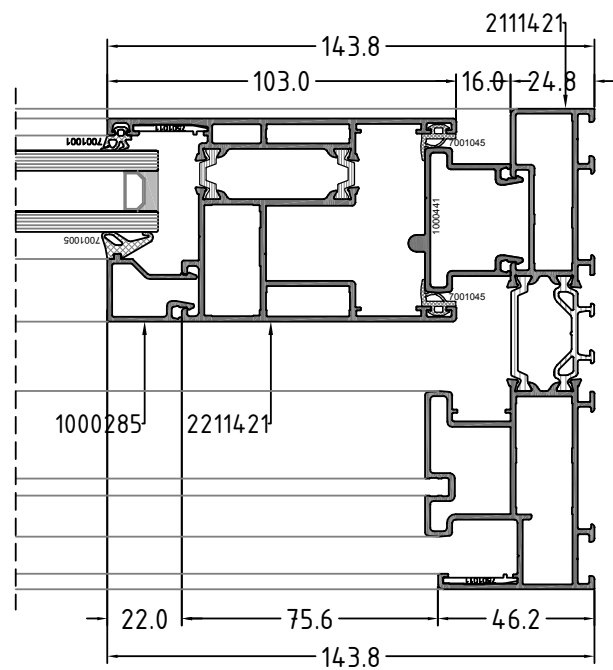




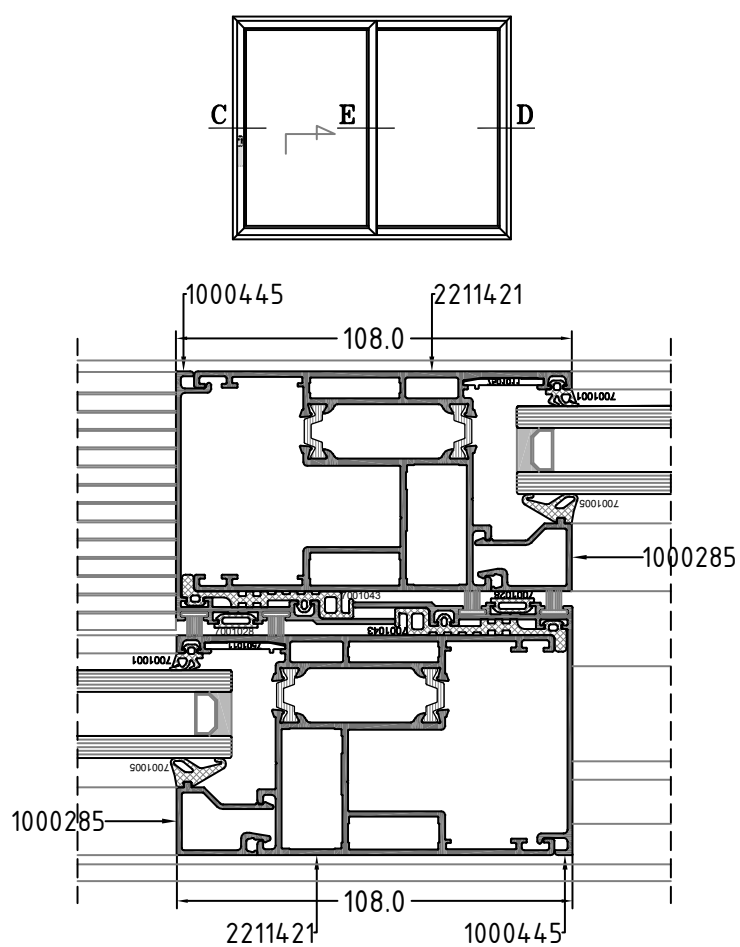
TWO PER FIXED SASH



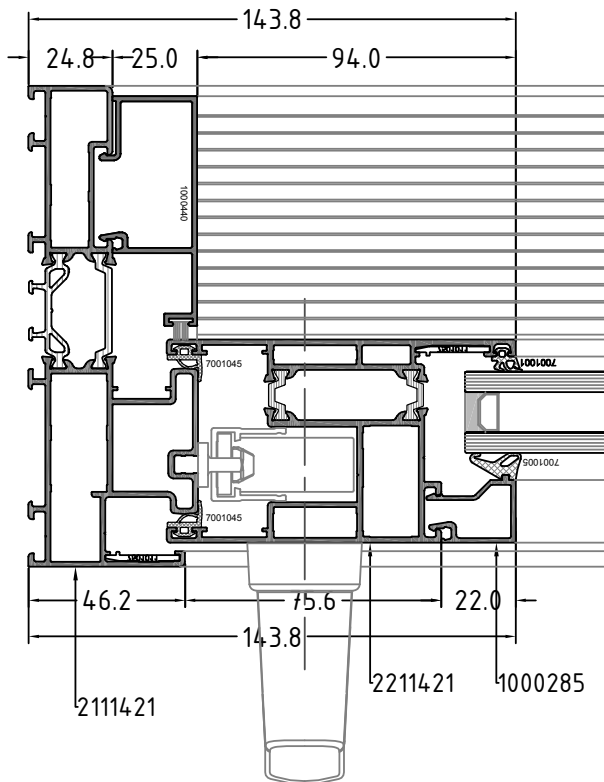
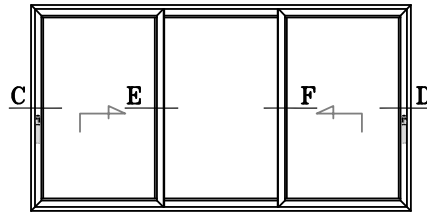
Section C



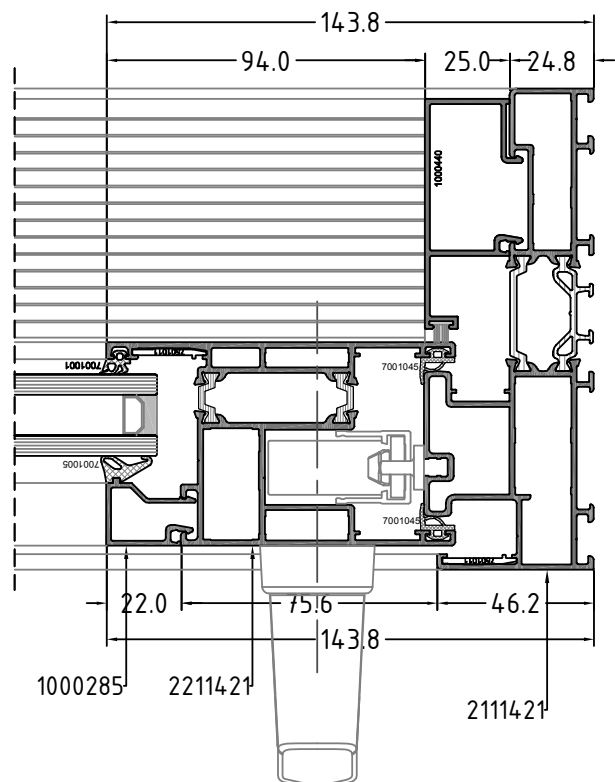
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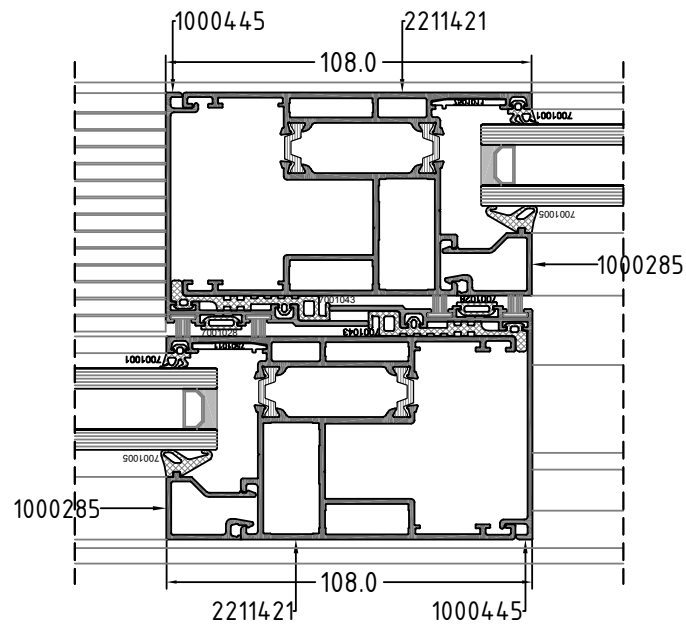
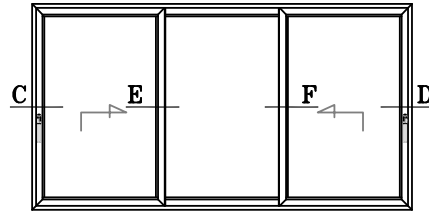
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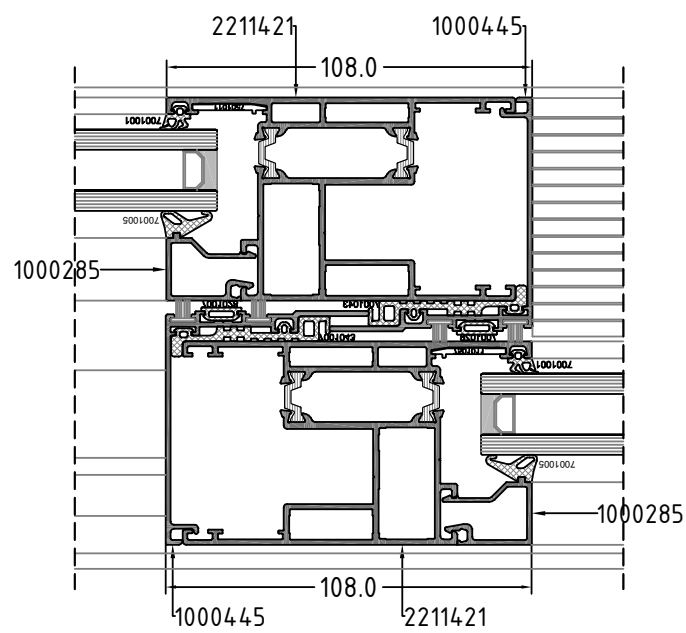
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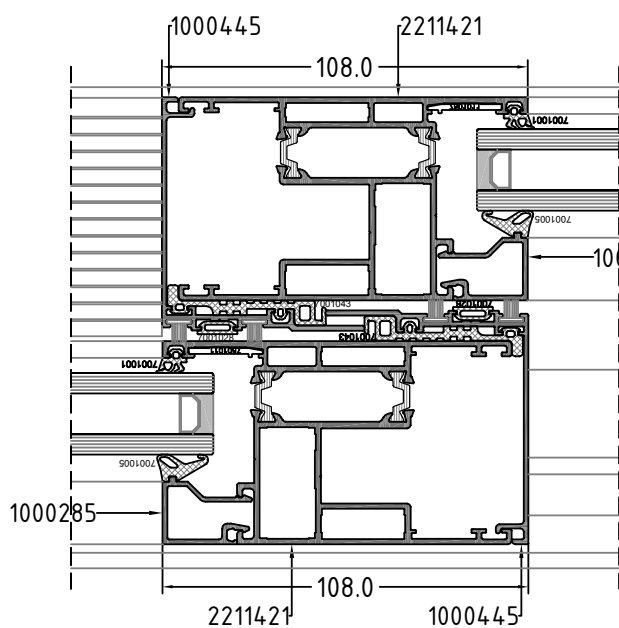
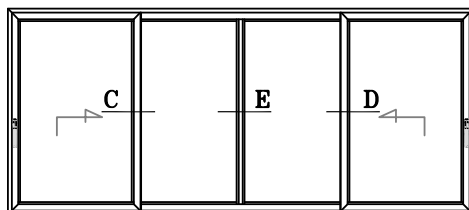
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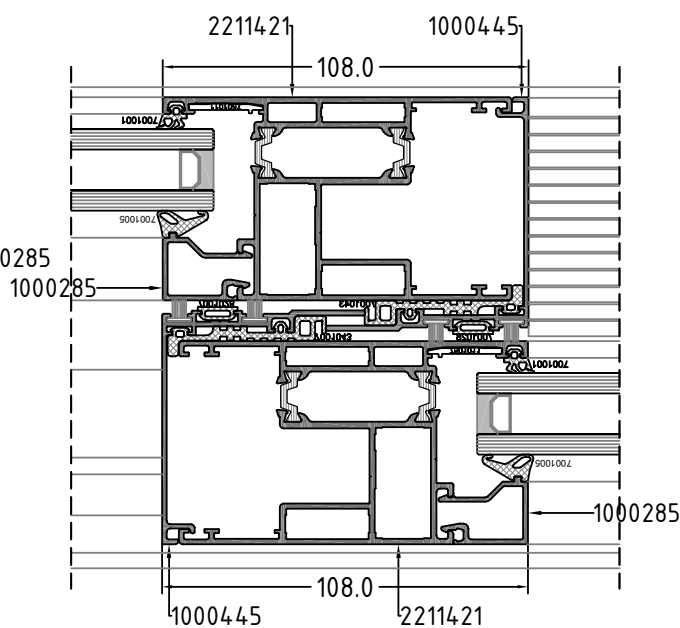
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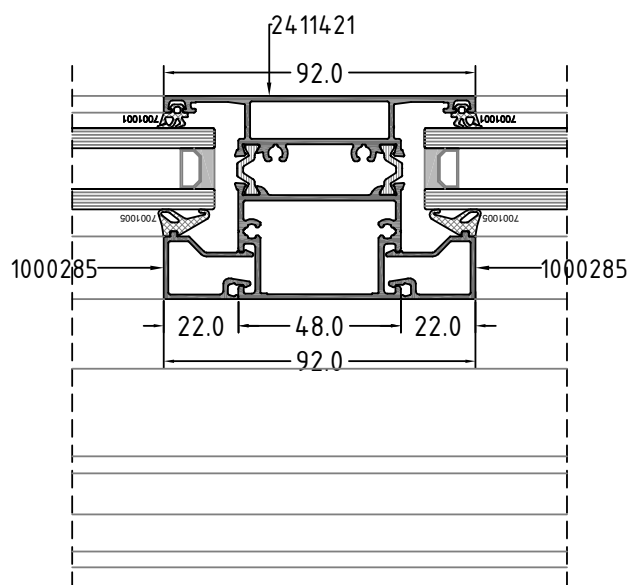
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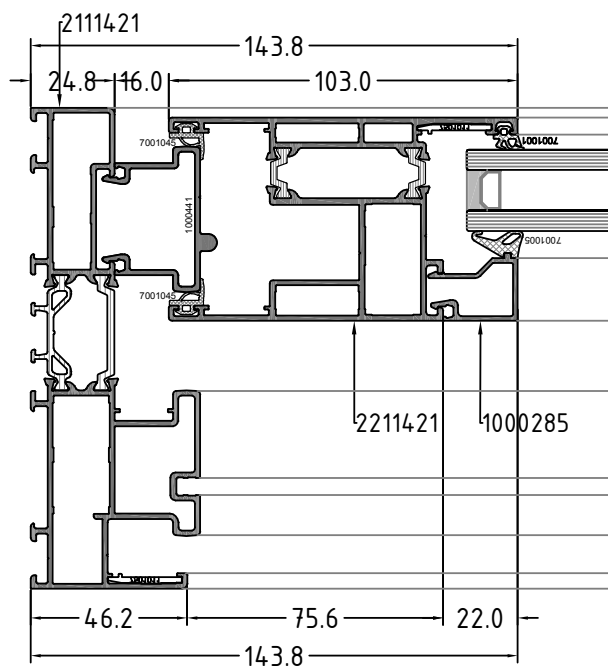
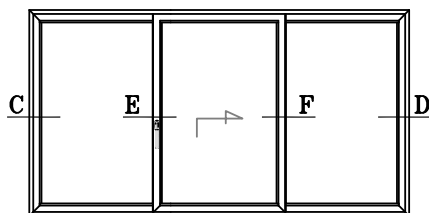
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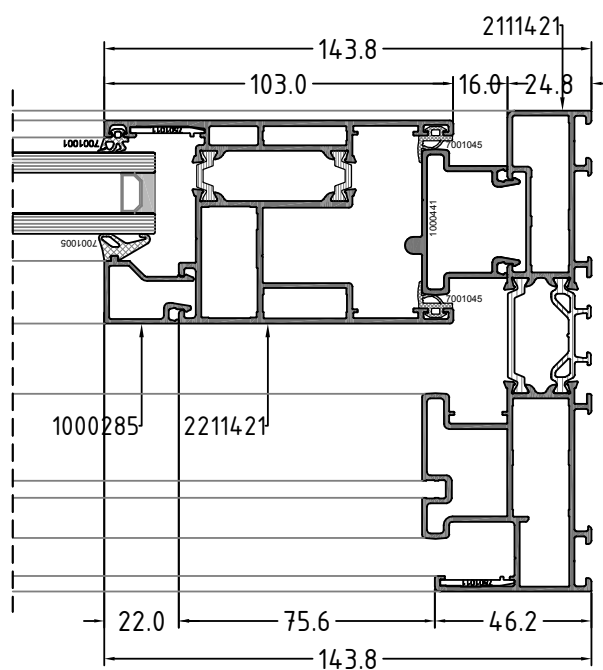
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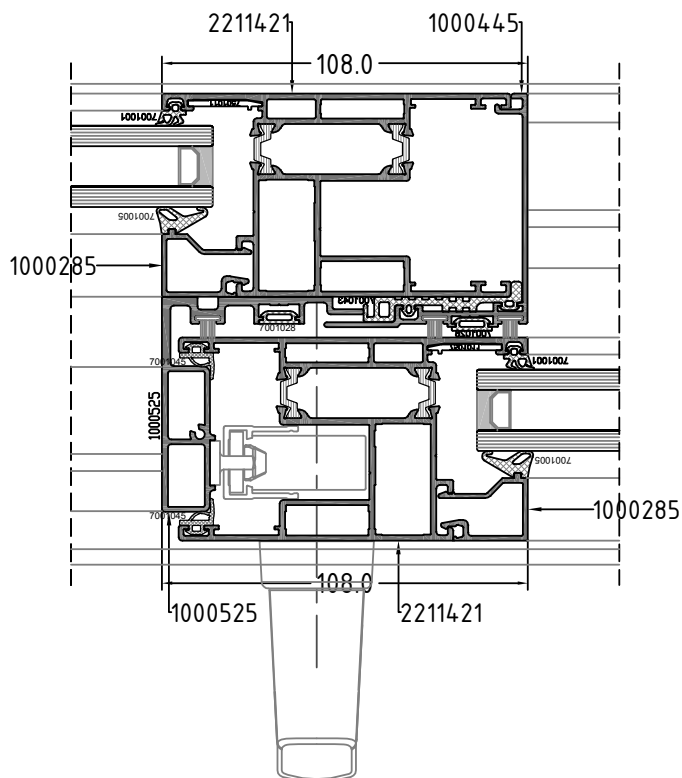
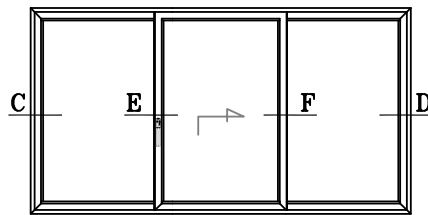
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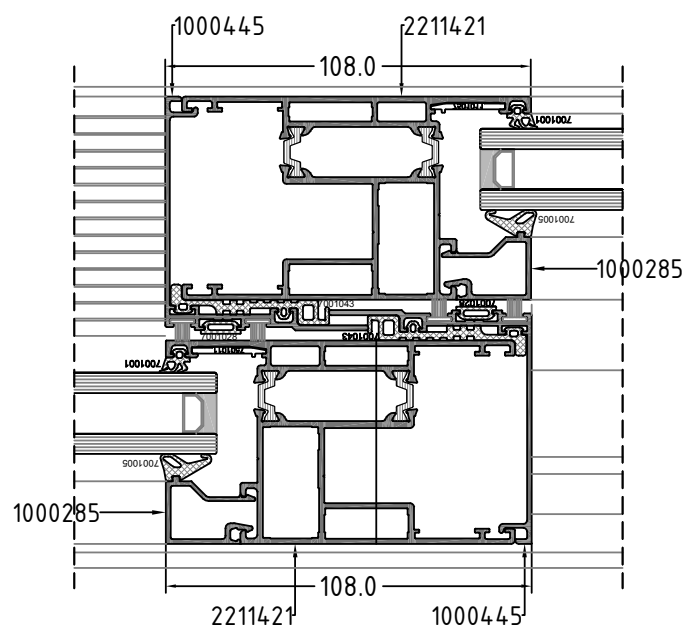
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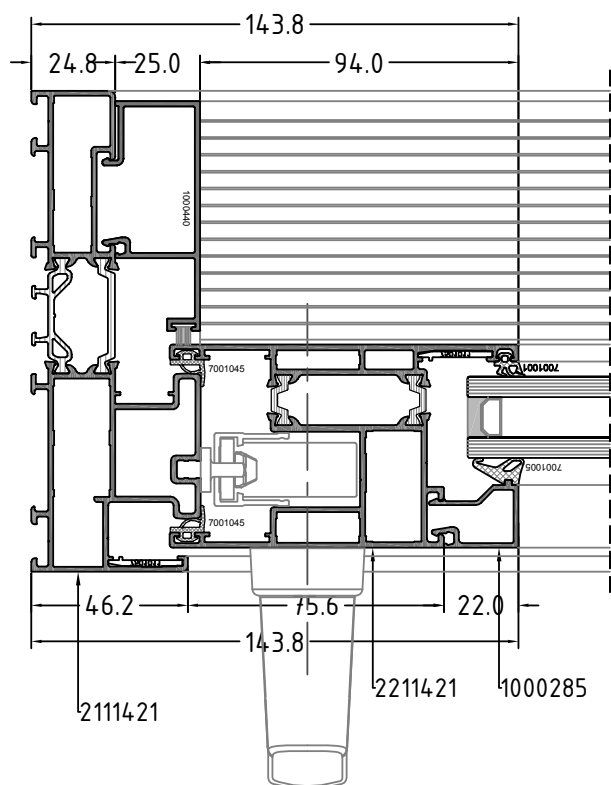
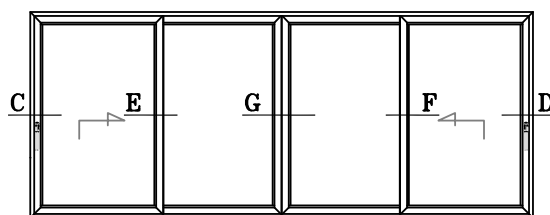
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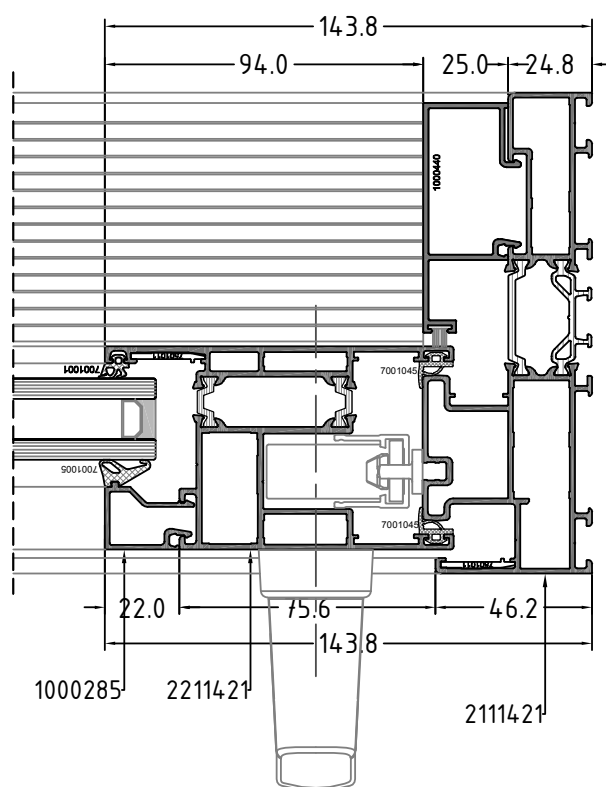
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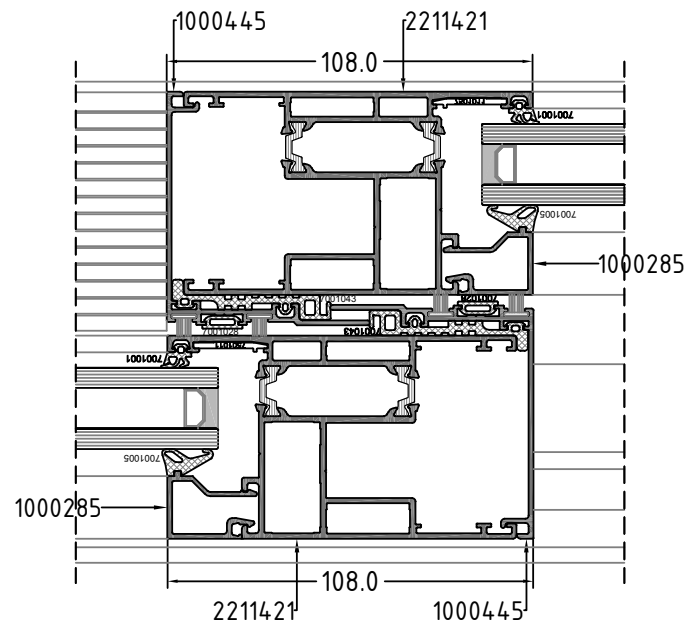
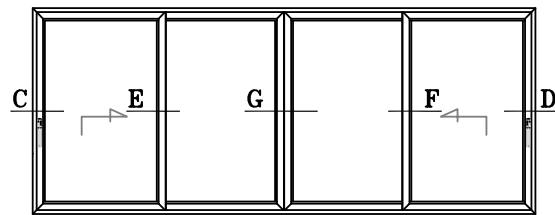
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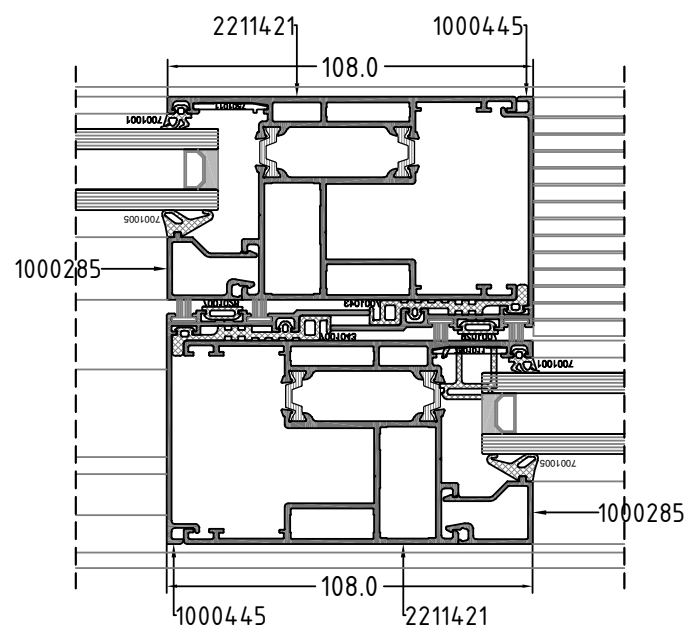
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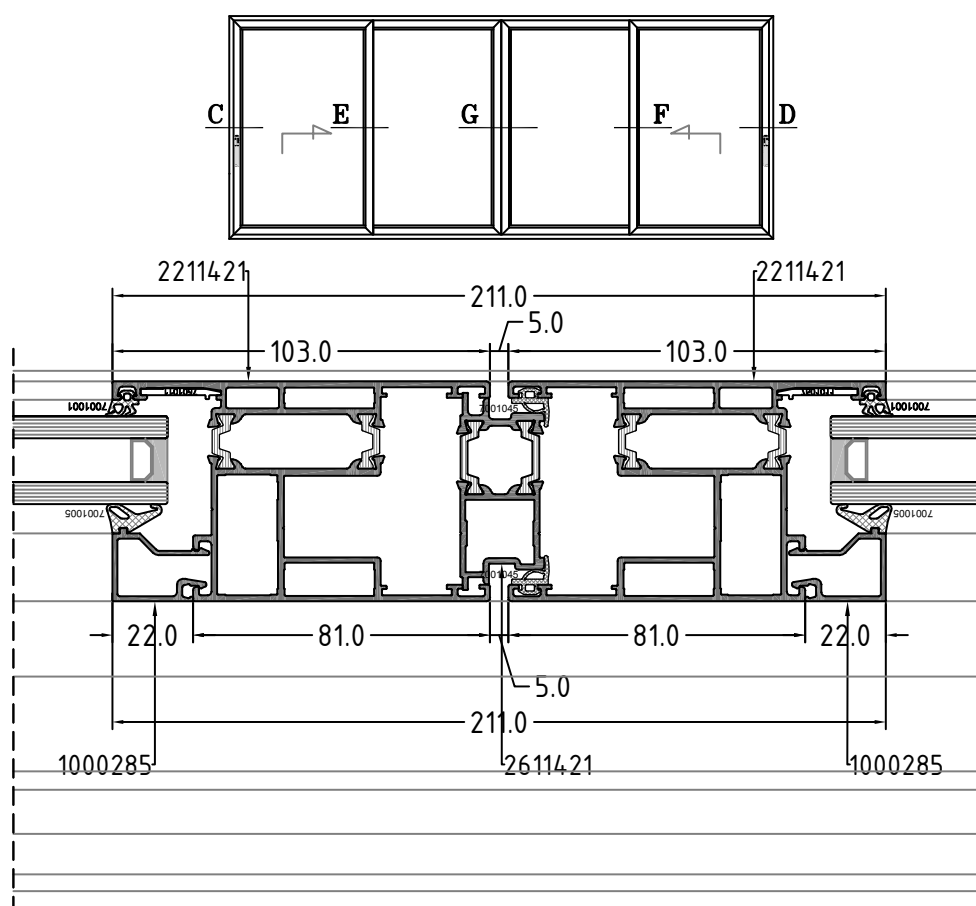
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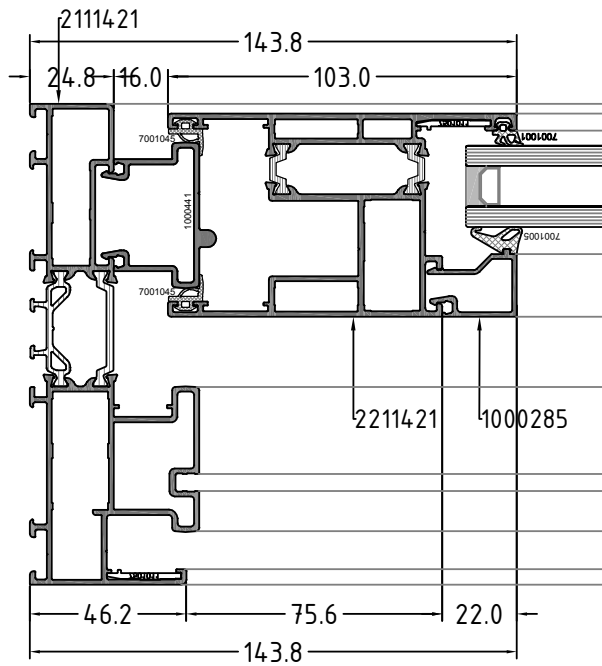
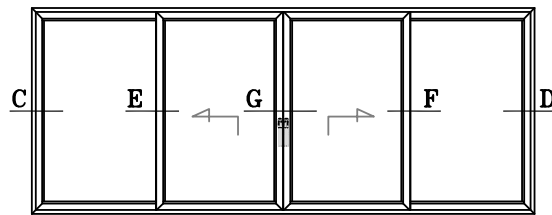
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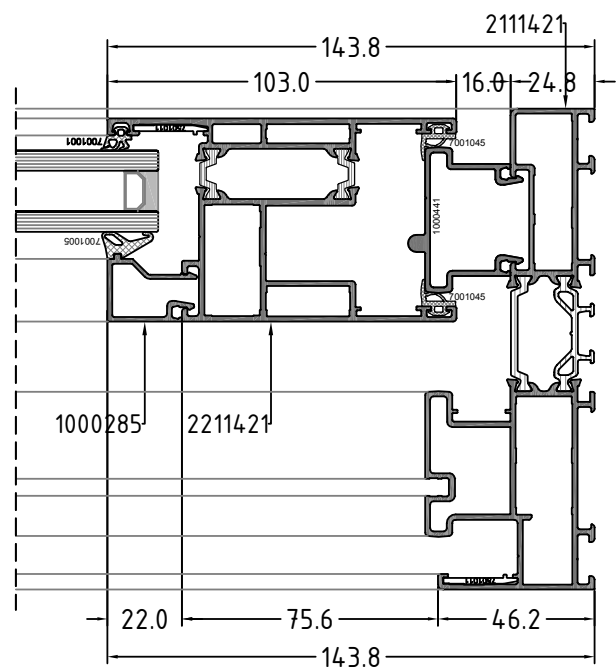
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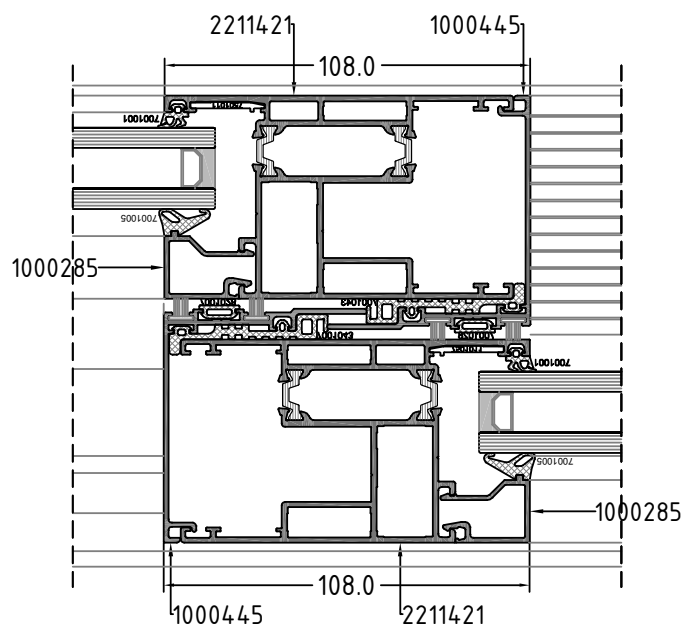
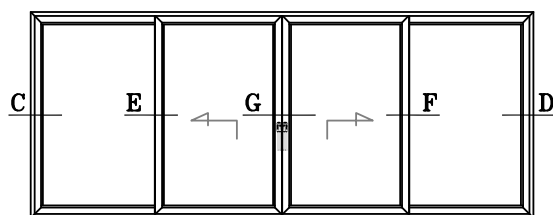
Section G



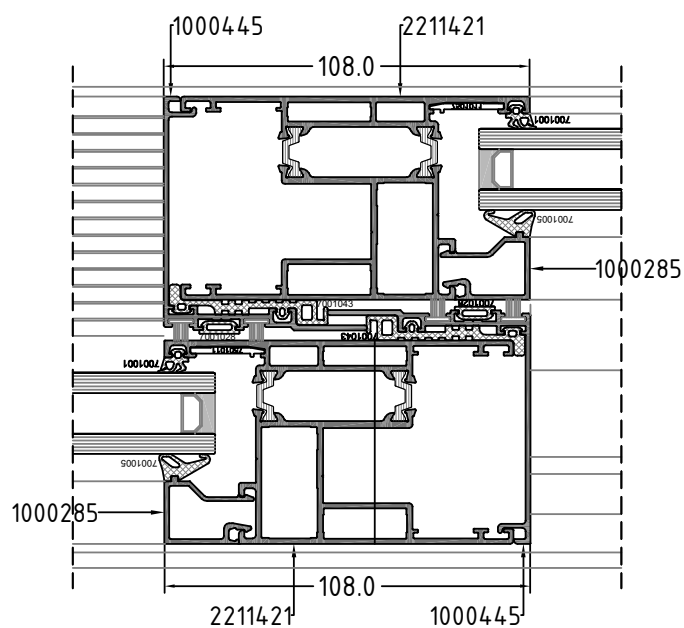
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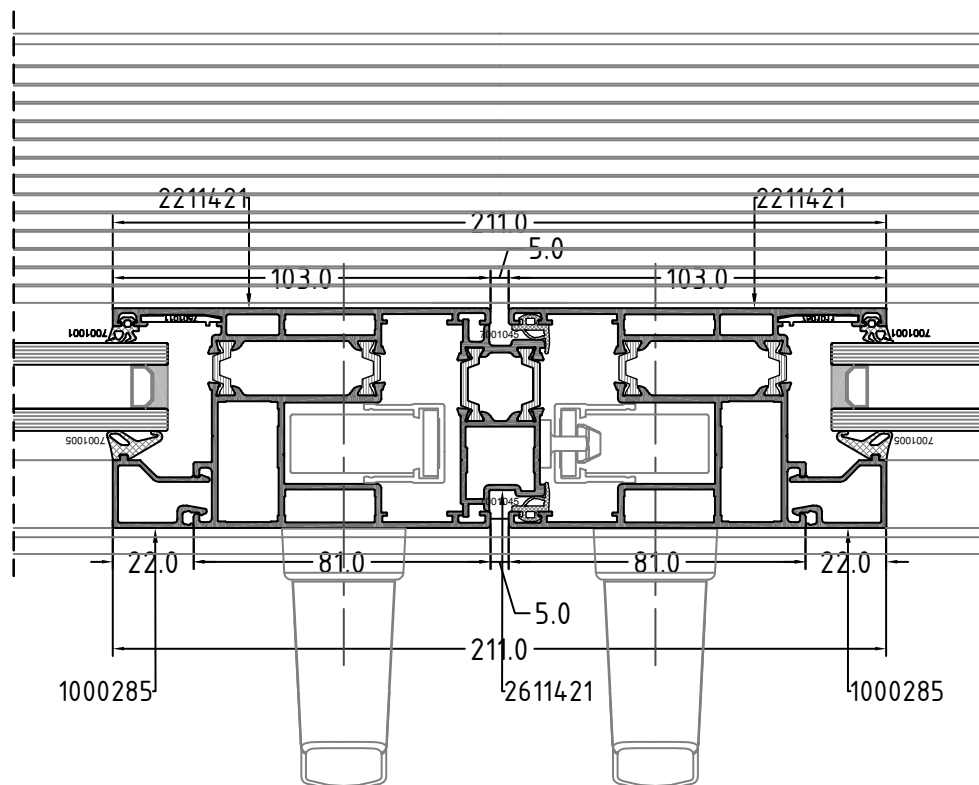
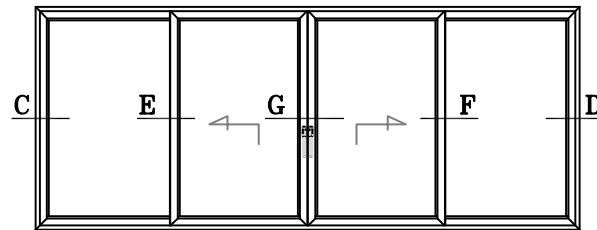
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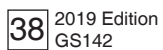
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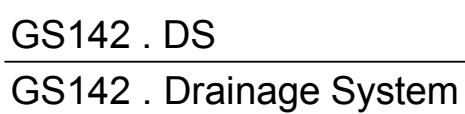


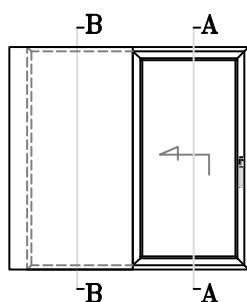
Section F



Section G



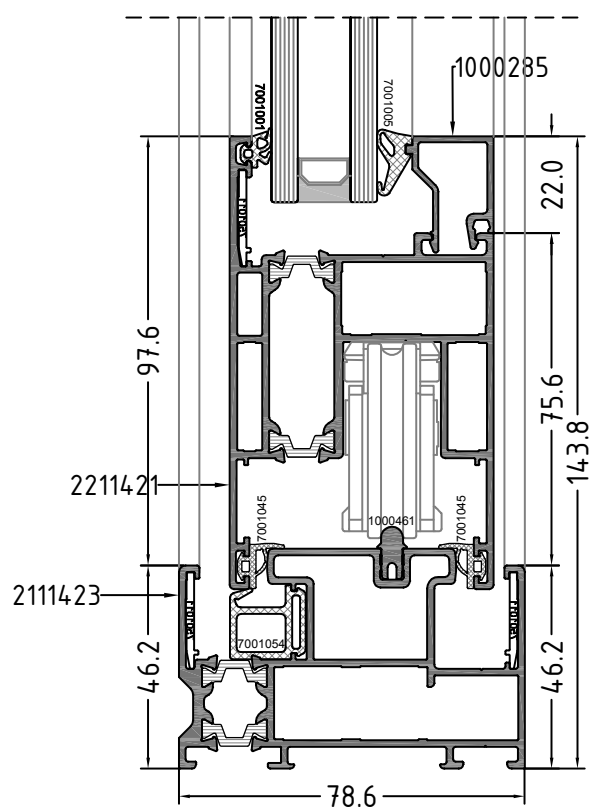
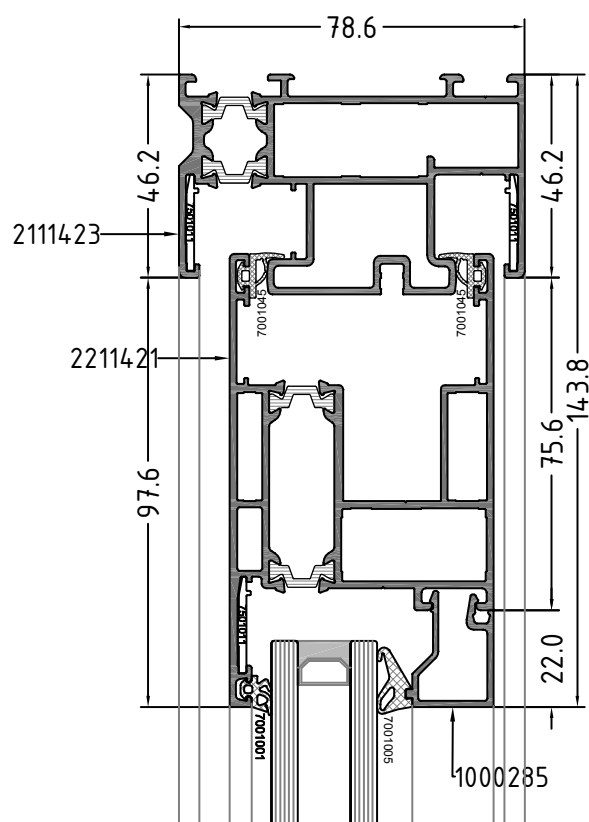


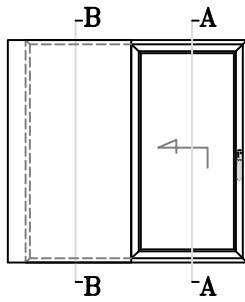


Section A-A

GS142 . PO

GS142 . Pocket Window

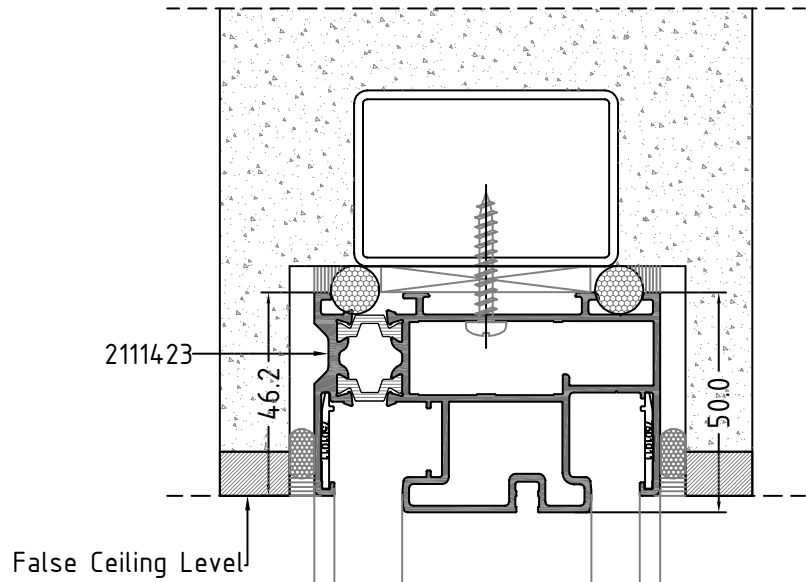




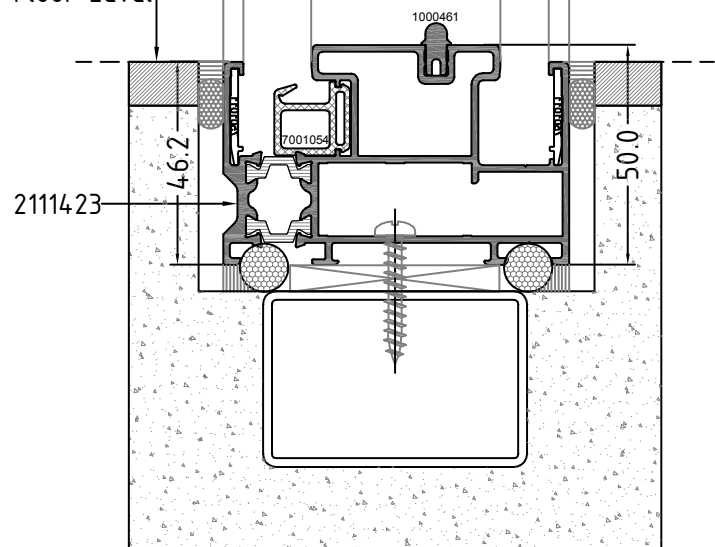
Section B-B

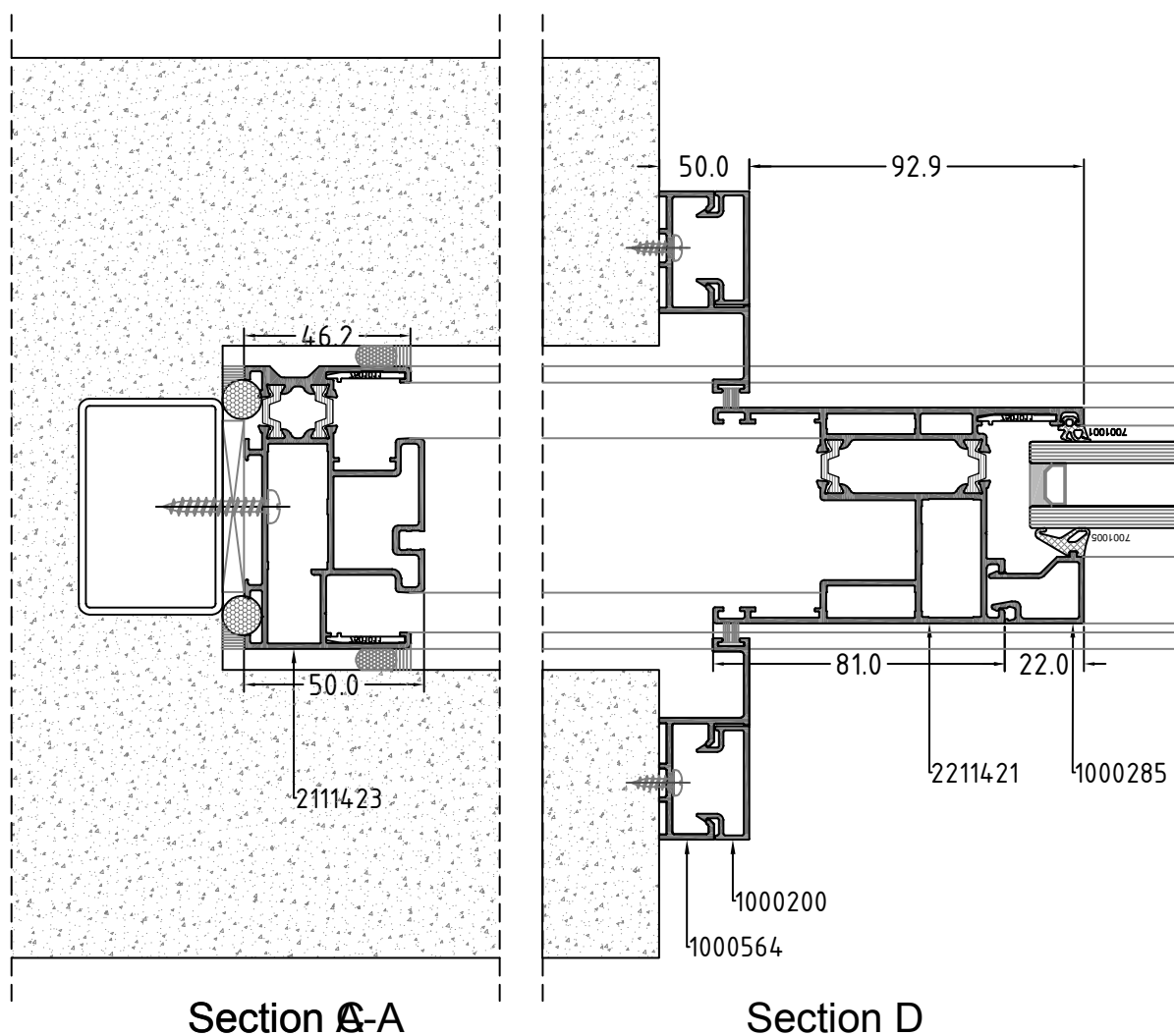
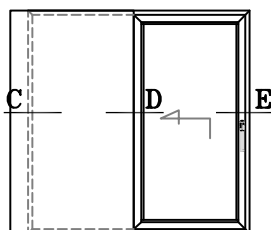
GS142 . PO

GS142 . Pocket Window



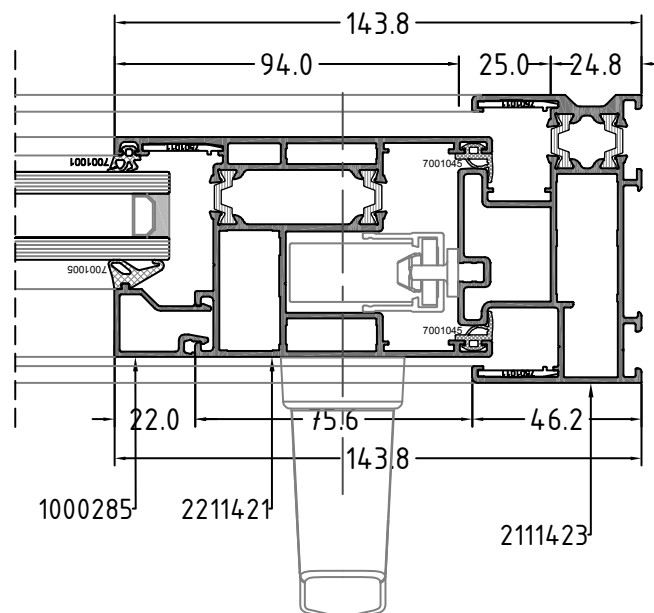
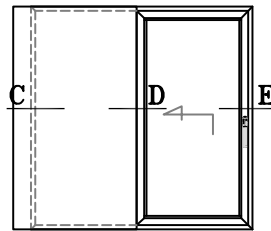
Finish Floor Level





GS142 . PO

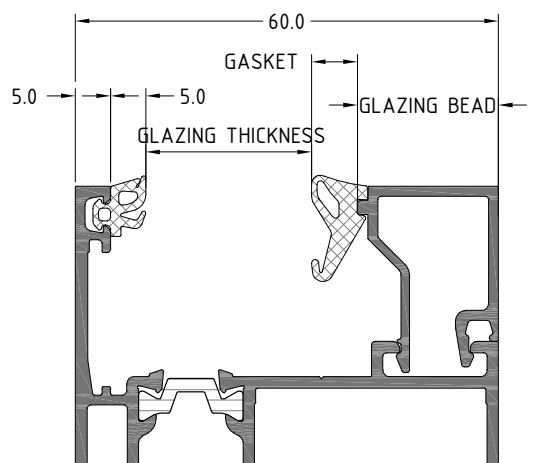
GS142 . Pocket Window



Section E

GS142 . PO

GS142 . Pocket Window



GLAZING THICKNESS	OUTER GLAZING GASKET	INNER GLAZING GASKET	INNER GLAZING GASKET TICK.	GLAZING BEAD PROFILE	GLAZING BEAD DEPTH
4mm.	7001001	7001005	6mm.	1000451	40mm.
6mm.	7001001	7001034	4mm.	1000451	40mm.
8mm.	7001001	7001005	7mm.	1000193	35mm.
10mm.	7001001	7001034	5mm.	1000193	35mm.
12mm.	7001001	7001002	8mm.	1000208	30mm.
14mm.	7001001	7001005	6mm.	1000208	30mm.
16mm.	7001001	7001002	9mm.	1000194	25mm.
18mm.	7001001	7001005	7mm.	1000194	25mm.
20mm.	7001001	7001034	5mm.	1000194	25mm.
22mm.	7001001	7001002	8mm.	1000285	20mm.
24mm.	7001001	7001005	6mm.	1000285	20mm.
26mm.	7001001	7001002	9mm.	1000286	15mm.
28mm.	7001001	7001005	7mm.	1000286	15mm.
30mm.	7001001	7001034	5mm.	1000286	15mm.
32mm.	7001001	7001005	6mm.	1000213	12mm.
34mm.	7001001	7001034	4mm.	1000213	12mm.
36mm.	7001001	7001002	9mm.	1000334	5mm.
38mm.	7001001	7001005	7mm.	1000334	5mm.
40mm.	7001001	7001034	5mm.	1000213	5mm.