



GlobAlum
Globaly Aluminum Passion

**SLIDING SYSTEM
SERIES GS97**



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

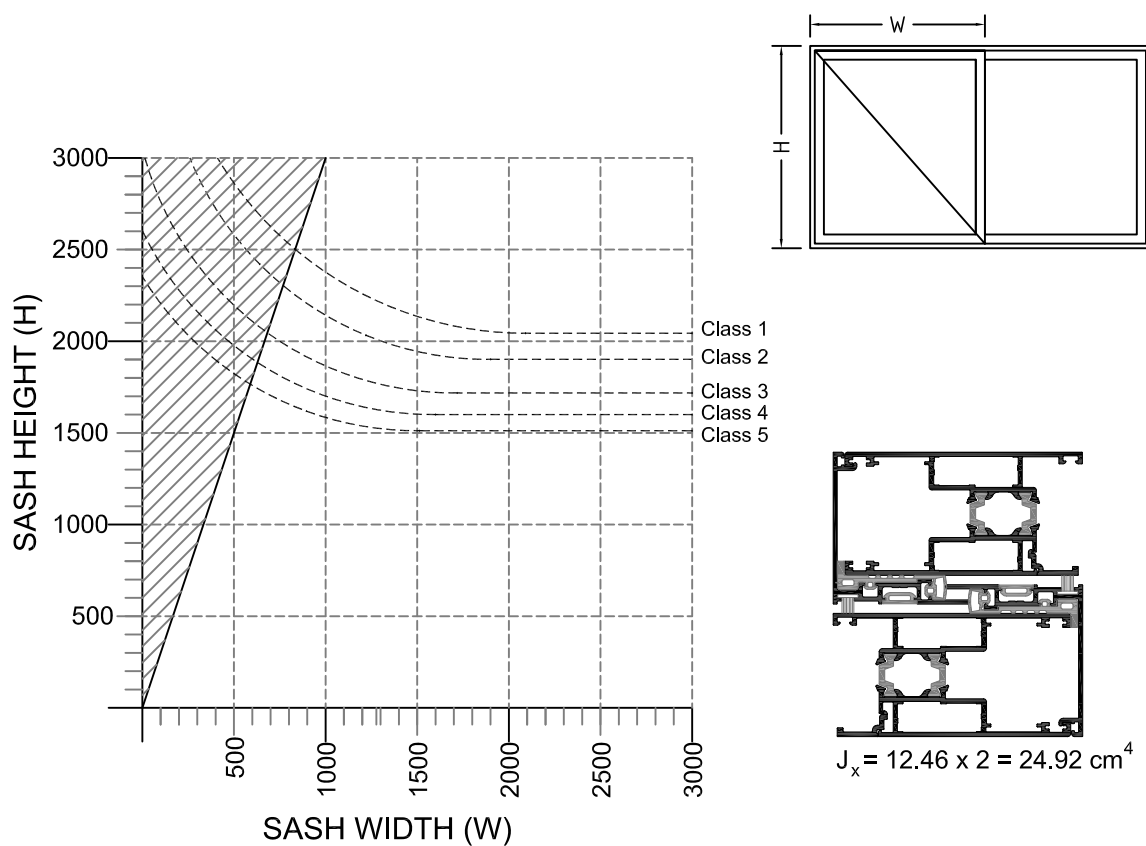
ارتفاع ساختمان از تراز همکف به متر	فشار باد در مناطق داخل شهر		گروه دسته بندی شده بر مبنای فشار باد
	کیلو نیوتن بر متر مربع	پاسکال بر متر مربع	
5	0.90	900	Class 3
10	0.90	900	Class 3
15	0.96	960	Class 3
20	1.05	1050	Class 3
25	1.12	1120	Class 3
30	1.19	1190	Class 3
35	1.24	1240	Class 4
40	1.29	1290	Class 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



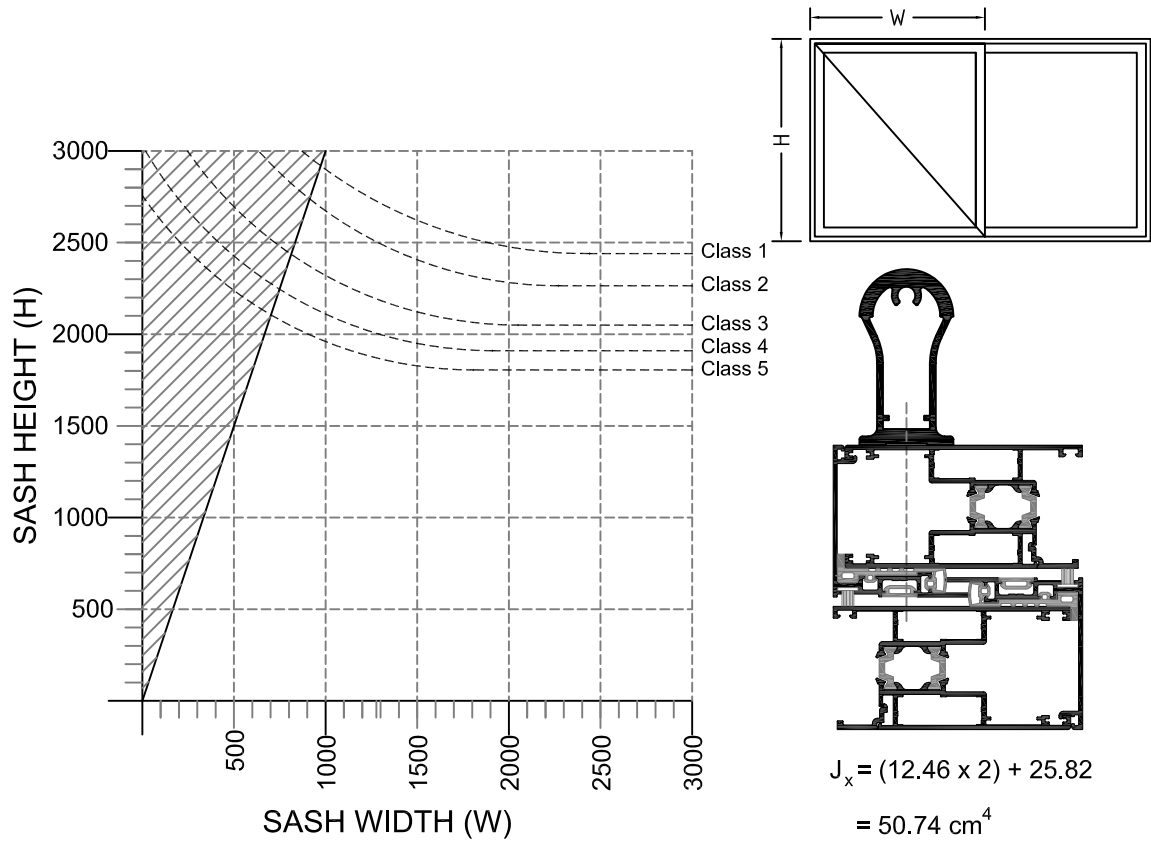
- Class 1, 0.6 kN/m^2 , 600 Pa/m^2
- Class 2, 0.8 kN/m^2 , 800 Pa/m^2
- Class 3, 1.2 kN/m^2 , 1200 Pa/m^2
- Class 4, 1.6 kN/m^2 , 1600 Pa/m^2
- Class 5, 2.0 kN/m^2 , 2000 Pa/m^2

NOTES:

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

Max. Sash weight = 200 kg

Not recommended dimension



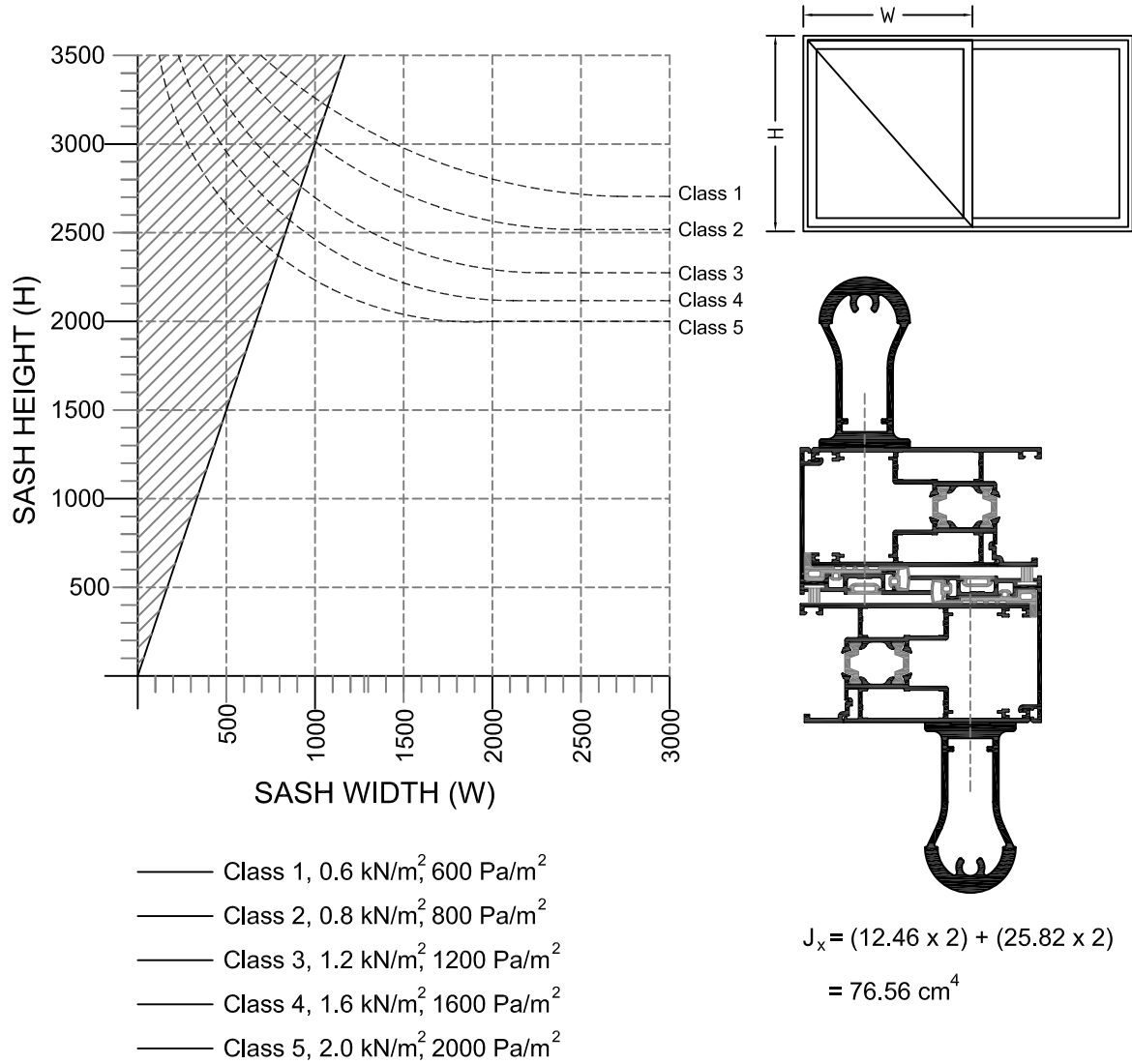
- Class 1, 0.6 kN/m^2 , 600 Pa/m^2
- Class 2, 0.8 kN/m^2 , 800 Pa/m^2
- Class 3, 1.2 kN/m^2 , 1200 Pa/m^2
- Class 4, 1.6 kN/m^2 , 1600 Pa/m^2
- Class 5, 2.0 kN/m^2 , 2000 Pa/m^2

NOTES:

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

Max. Sash weight = 200 kg

Not recommended dimension

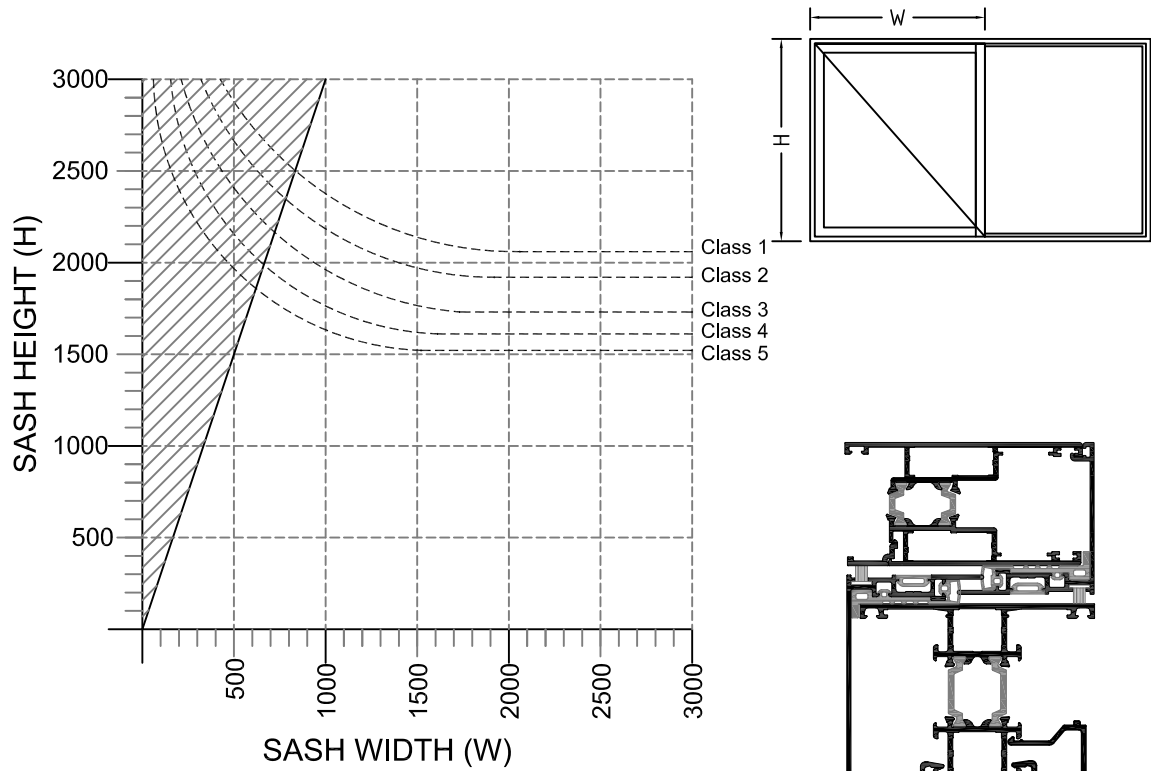


NOTES:

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

Max. Sash weight = 200 kg

Not recommended dimension



$$J_x = 12.46 + 13.42 = 25.88 \text{ cm}^4$$

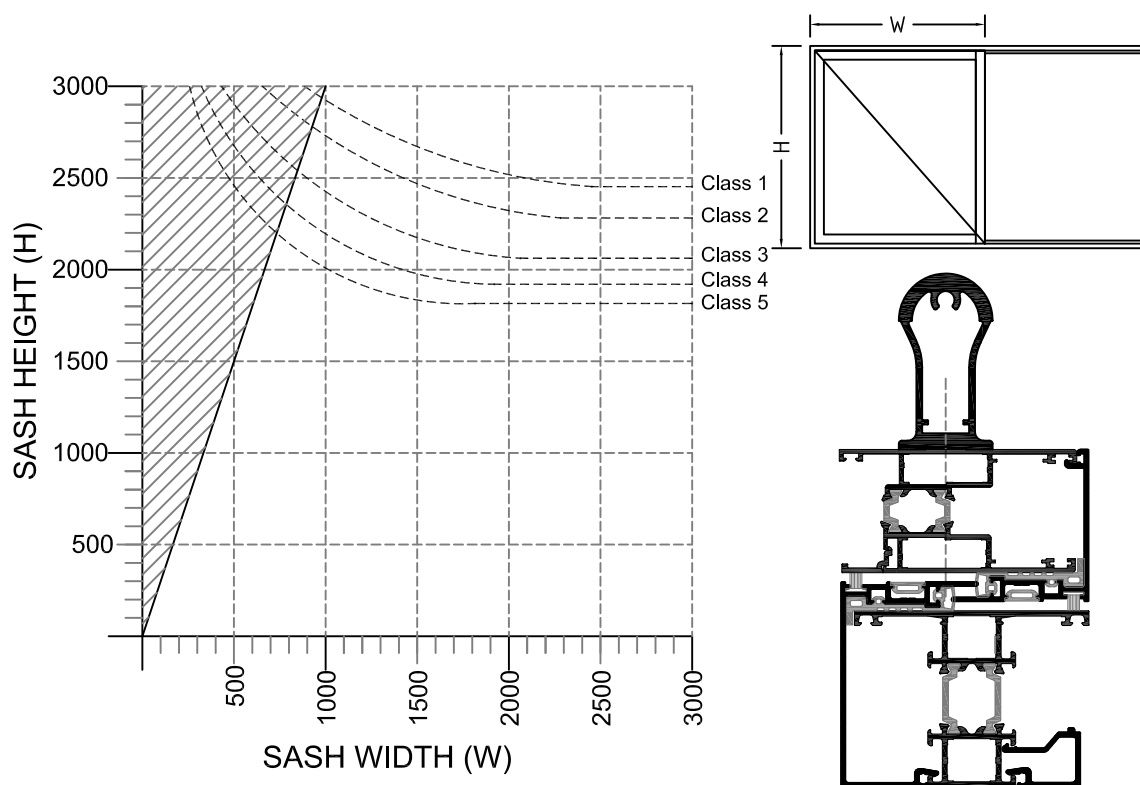
- Class 1, 0.6 kN/m^2 , 600 Pa/m^2
- Class 2, 0.8 kN/m^2 , 800 Pa/m^2
- Class 3, 1.2 kN/m^2 , 1200 Pa/m^2
- Class 4, 1.6 kN/m^2 , 1600 Pa/m^2
- Class 5, 2.0 kN/m^2 , 2000 Pa/m^2

NOTES:

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

Max. Sash weight = 200 kg

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- Class 1, 0.6 kN/m², 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

$$J_x = 12.46 + 13.42 + 25.82$$

$$= 51.70 \text{ cm}^4$$

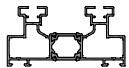
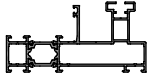
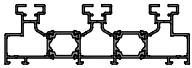
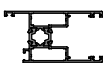
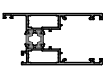
NOTES:

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

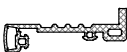
Max. Sash weight = 200 kg

Not recommended dimension

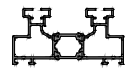
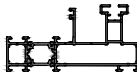
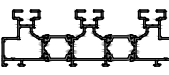
PROFILES :

Number	Shape	DESCRIPTION	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
2119701		Dual Rail frame 49/49	64.78	15.16
2119702		Mono Rail frame 58/30	115.63	19.26
2119703		Three Rail frame 49/49	226.07	22.84
2219701		Normal Slid Sash 81/65	20.38	12.46
2219702		Lift & Slid Sash 82/67	23.08	13.33
2416002		Mullion.transom 80/30	23.63	13.42
1000348		Interlock	—	—
1000347		Middle Opening Convertor Dual Rail	—	—
1000349		Frame Cover Profile Mono Rail	—	—
1000350		Interlock	—	—
1000540		Middle Opening Convertor Mono Rail	—	—
1000151		V-Shape Rail	—	—
1000353		Round Shape Rail	—	—
1000351		Glazing bead	—	—
1000352		Separator Profile	—	—
2619701		Meeting Profile	—	—

ACCESSORIES :

Number	Shape	DESCRIPTION
7001028		Cover gasket
7001029		Cover gasket
7001046		Thermal Separation gasket
7001045		Sash Weather Sealing 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
7001070		Separation Gasket
7501015		PVC Insulator
7501016		Cover Plug
7906807		Brush

CORNERS :

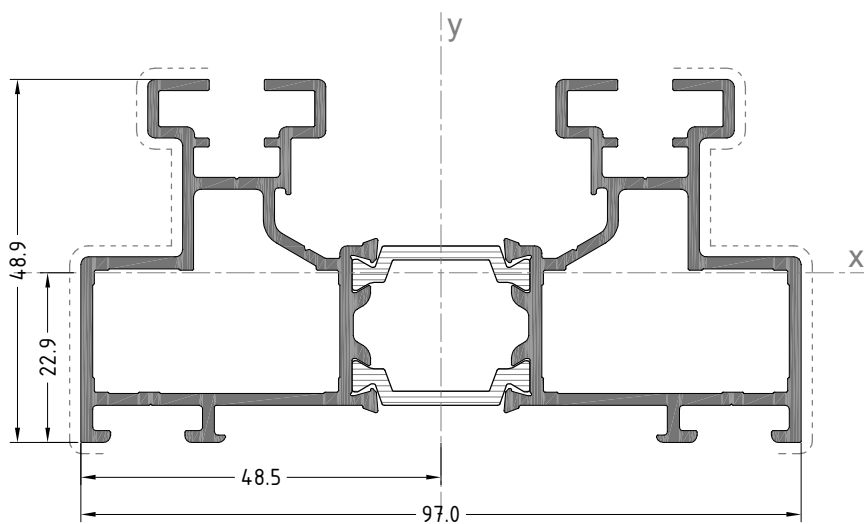
Number	Shape	Corner Nail / Crimp	Corner Alignment	T.Connector
2119701		5301325 5301325	—	—
2119702		5301140 5301690	7501011	—
2119703		5301325 5301325 5301270	—	—
2219701		5195091 5195091	7501020 7501020	—
2219702		5196091 5196091	7501020 7501020	—
2416002		—	—	5255016 5255016

GS97.NS : Normal Sliding

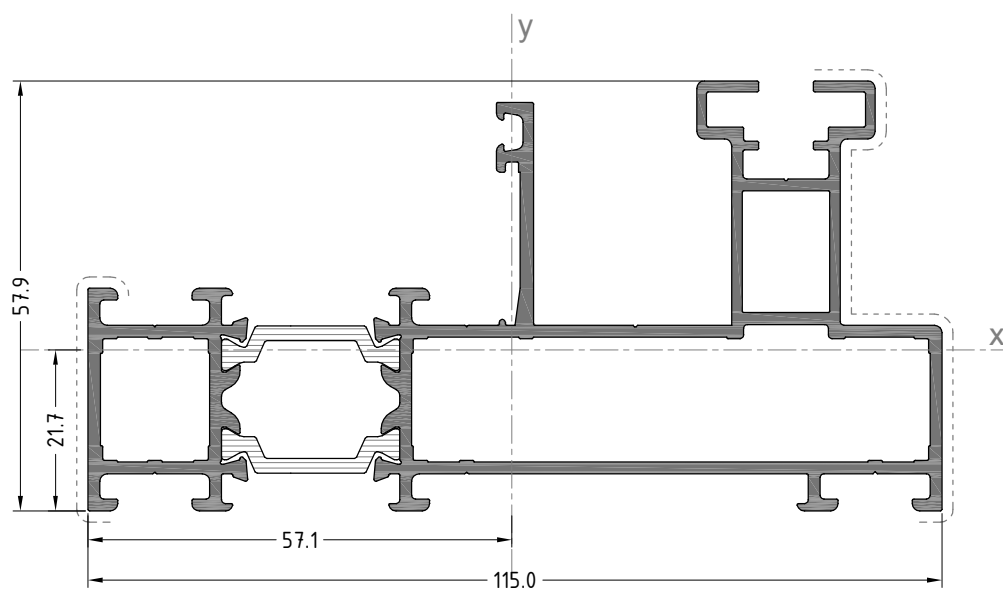
Type	Shape	 7501016	 5352200
Mono Rail		2 pieces	4 pieces
		2 pieces	6 pieces
		4 pieces	8 pieces
		4 pieces	8 pieces
		4 pieces	8 pieces
Dual Rail		4 pieces	4 pieces
		4 pieces	8 pieces
		6 pieces	6 pieces
		8 pieces	8 pieces
		8 pieces	8 pieces
		8 pieces	8 pieces
		8 pieces	16 pieces
		8 pieces	16 pieces
3 Rail		8 pieces	8 pieces
		16 pieces	16 pieces

GS97.LS : Lift & Sliding

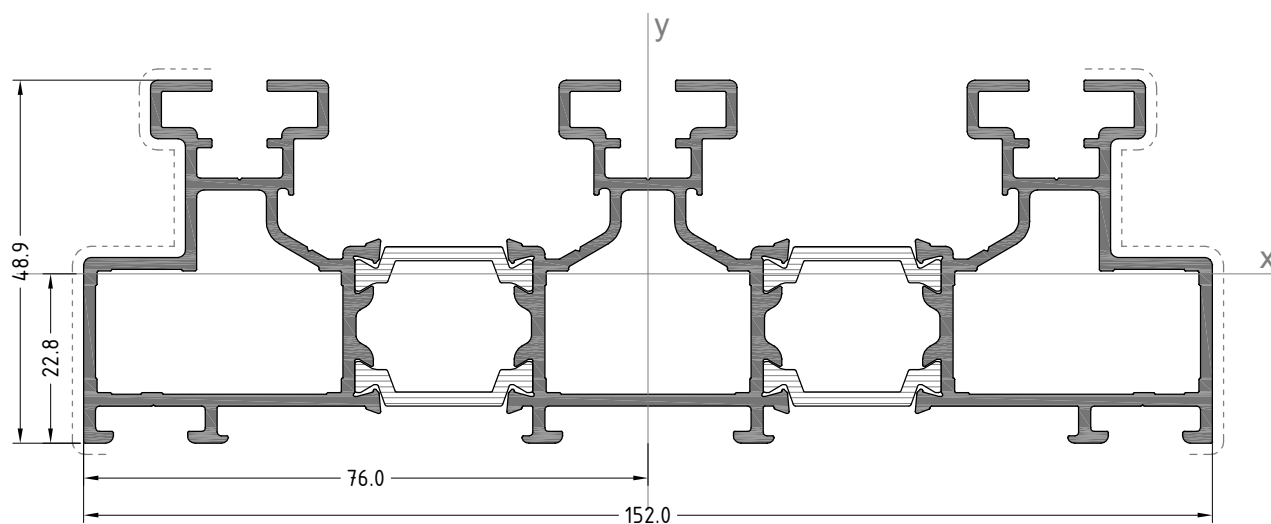
Type	Shape	 7501016	 5352200
Mono Rail		2 pieces	2 pieces
		2 pieces	4 pieces
		4 pieces	4 pieces
		4 pieces	4 pieces
		4 pieces	4 pieces
		4 pieces	4 pieces
Dual Rail		4 pieces	2 pieces
		4 pieces	4 pieces
		6 pieces	4 pieces
		8 pieces	4 pieces
		8 pieces	4 pieces
		8 pieces	4 pieces
		8 pieces	8 pieces
		8 pieces	8 pieces
		8 pieces	8 pieces
3 Rail		8 pieces	4 pieces
		16 pieces	8 pieces



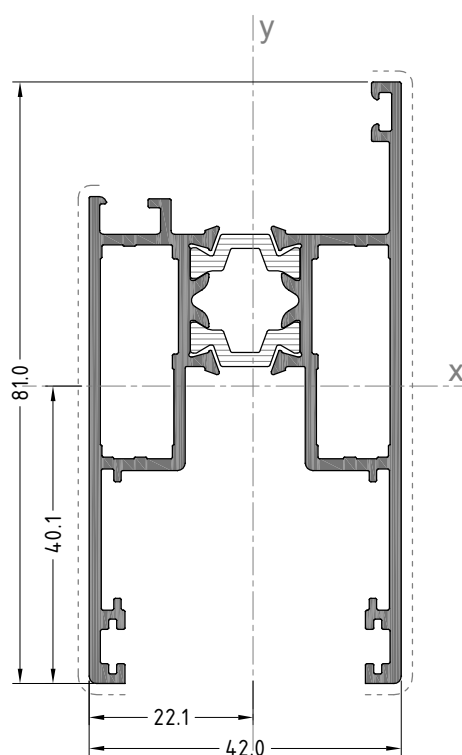
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Dual Rail frame 49/49	2119701	64.78	15.16	4.85	2.29	24.88	3.12



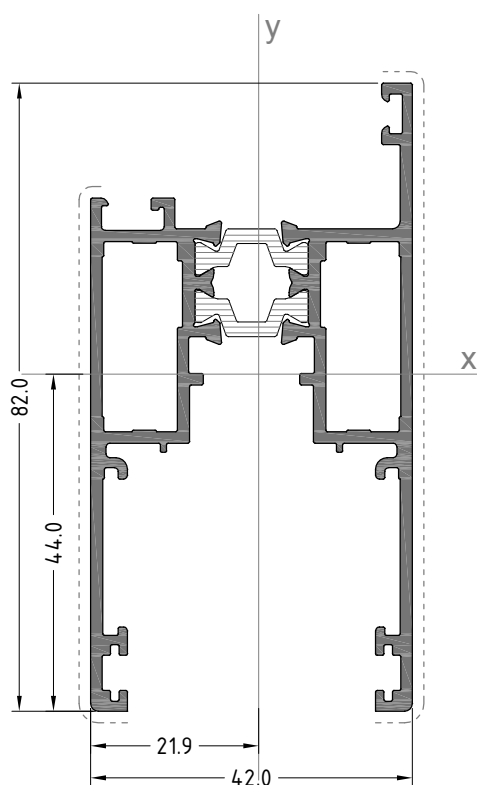
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Mono Rail frame 58/30	2119702	115.63	19.26	5.71	2.16	32.20	3.32



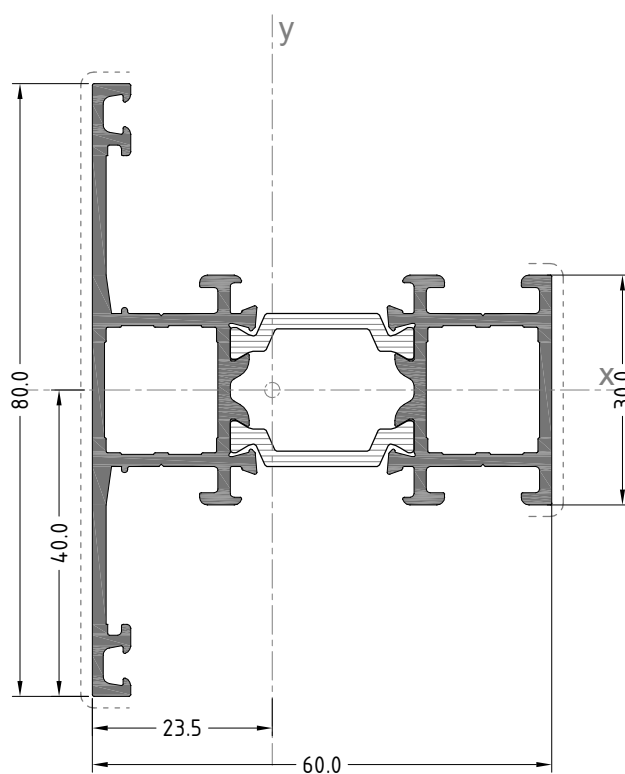
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Three Rail frame 49/49	2119703	226.07	22.84	7.60	2.28	29.746	8.758



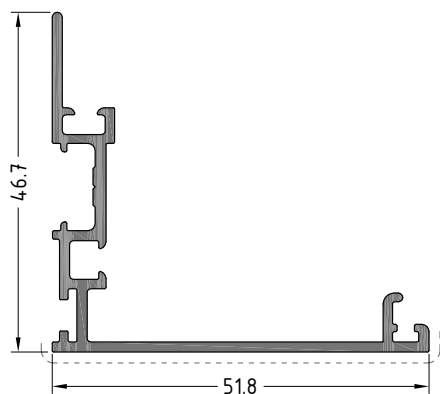
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Normal Slid Sash 81/65	2219701	20.38	12.46	2.21	4.01	10.22	3.04



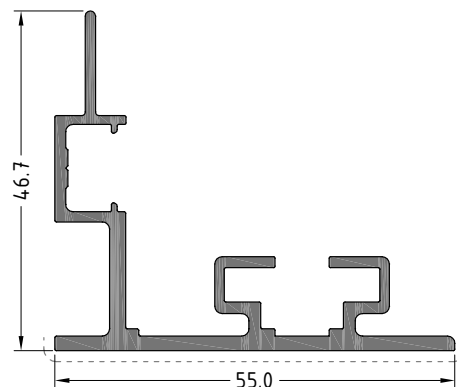
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Lift & Slid Sash 82/67	2219702	23.08	13.33	2.19	4.40	11.50	3.51



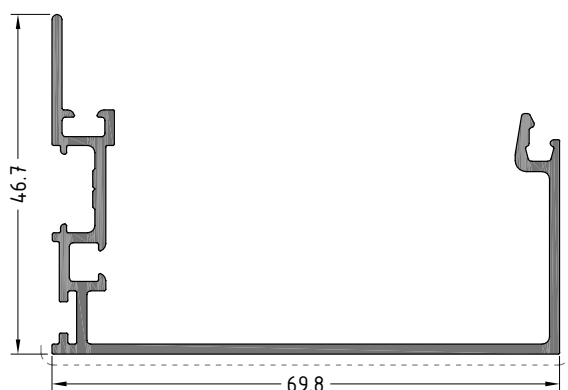
DESCRIPTION	Number	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$e_x \text{ cm}$	$e_y \text{ cm}$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$
Thermal break frame mullion.transon 80/30	2416002	23.63	13.42	2.34	4	5.90	3.67



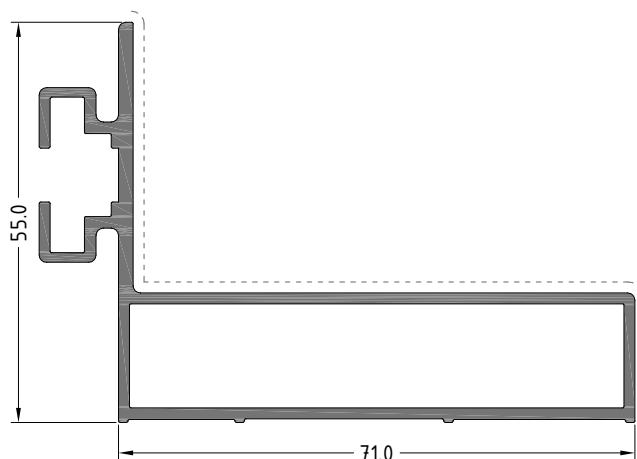
DESCRIPTION	Number
Interlock	1000348



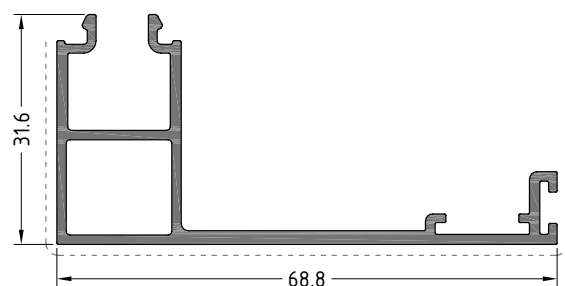
DESCRIPTION	Number
Middle Opening Convertor	1000347



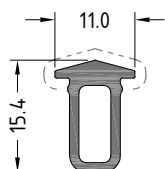
DESCRIPTION	Number
Interlock	1000350



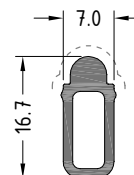
DESCRIPTION	Number
Middle Opening Convertor	1000347



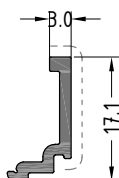
DESCRIPTION	Number
Frame Cover Profile	1000349



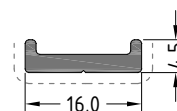
DESCRIPTION	Number
V-Shape Rail	1000151



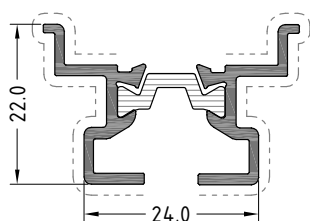
DESCRIPTION	Number
Round Shape Rail	1000353



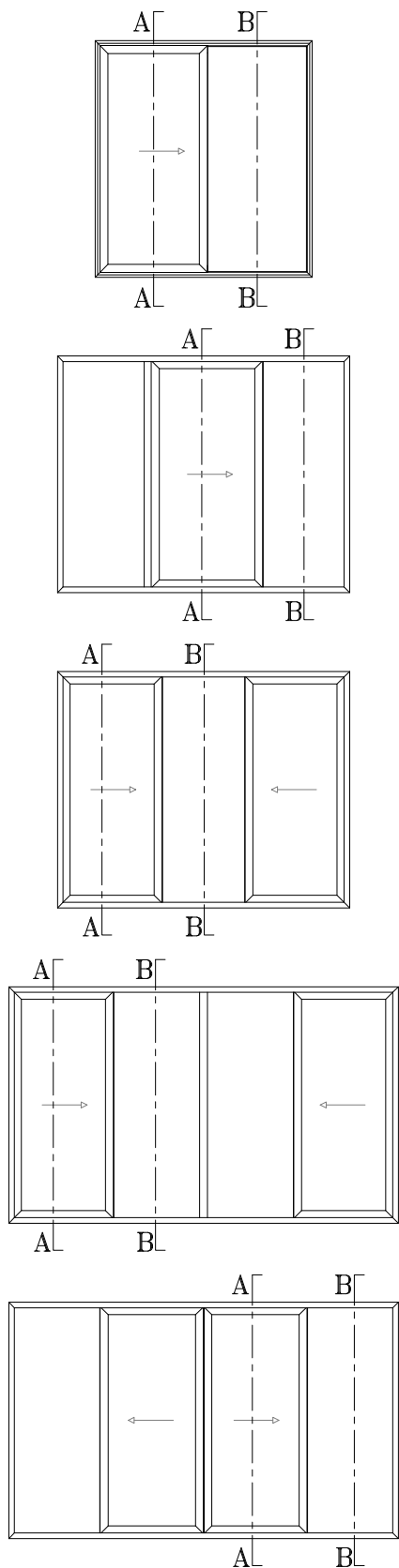
DESCRIPTION	Number
Glazing bead	1000351



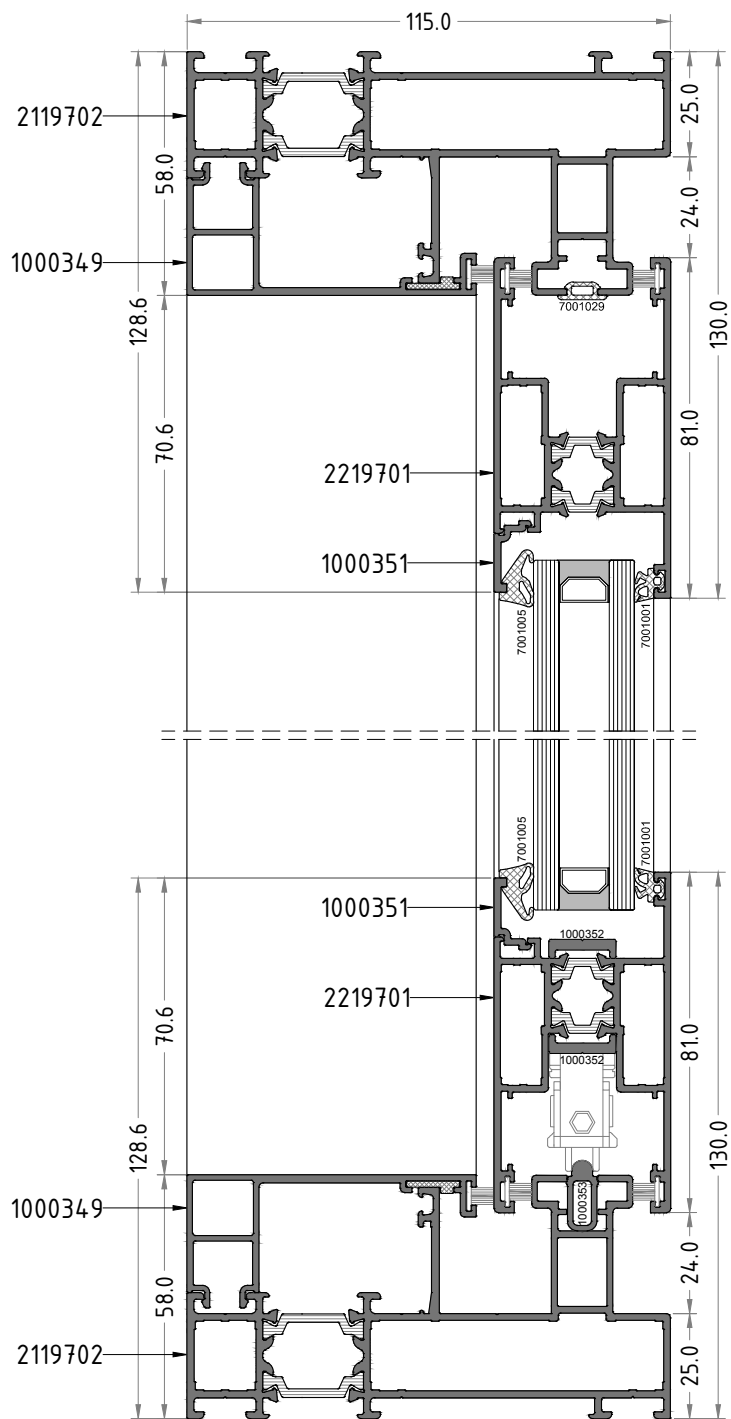
DESCRIPTION	Number
Separator Profile	5352200

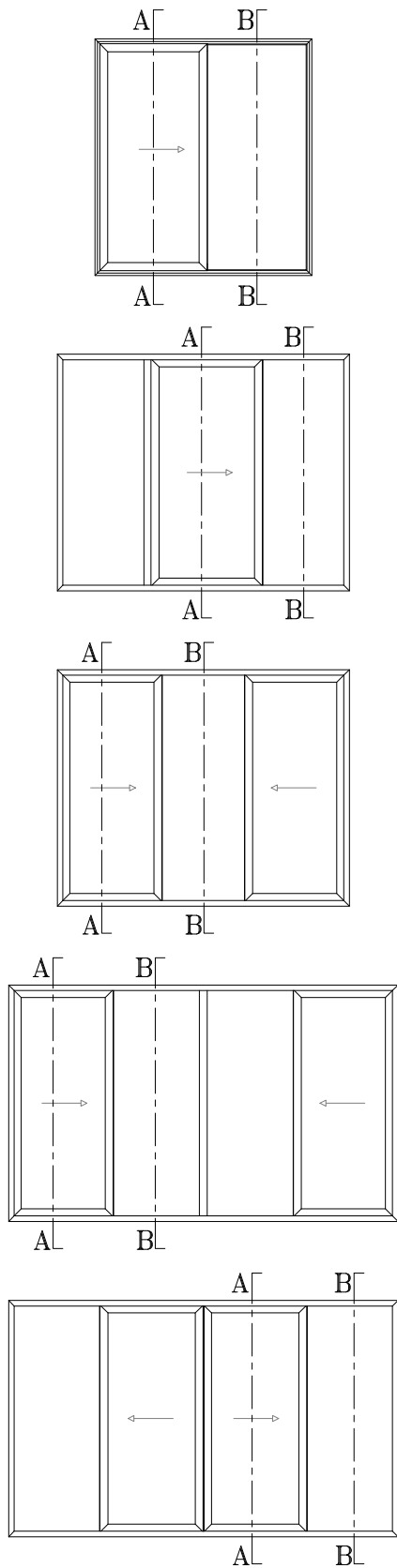


DESCRIPTION	Number
Meeting Profile	2619701

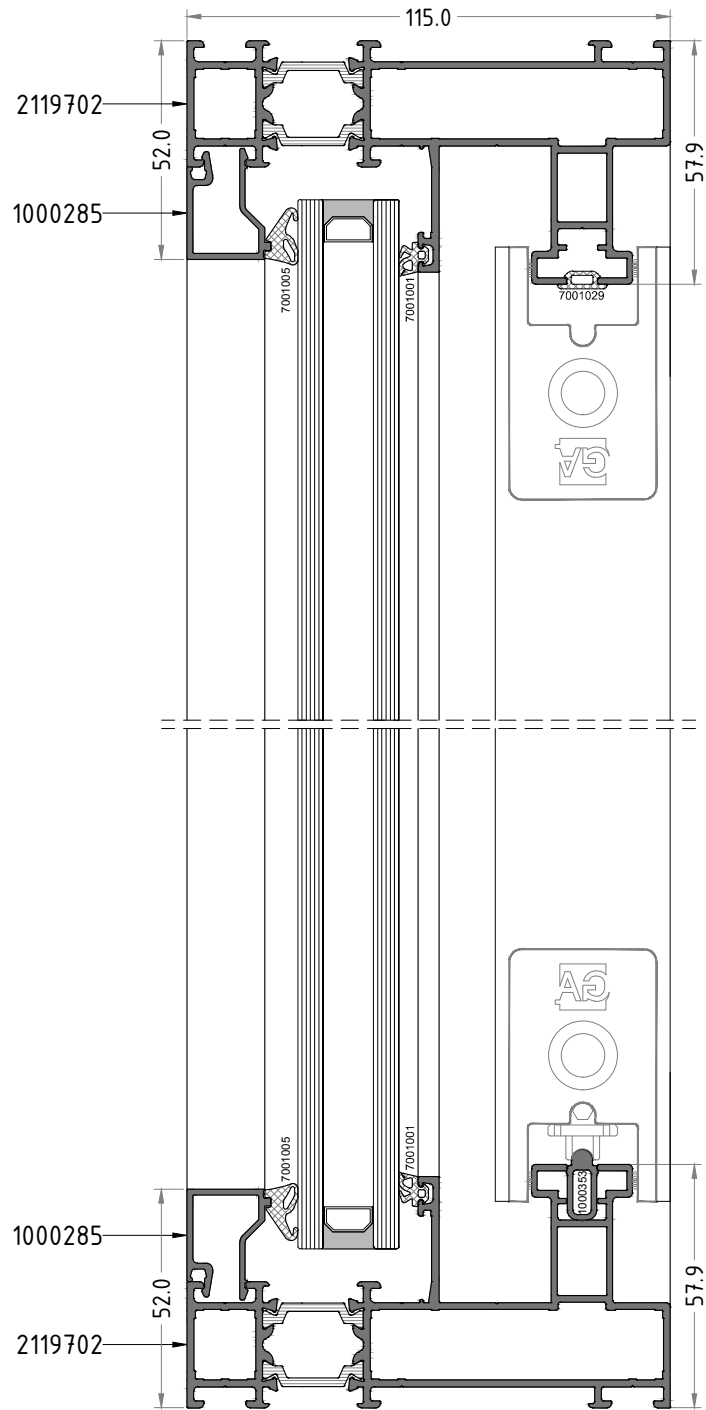


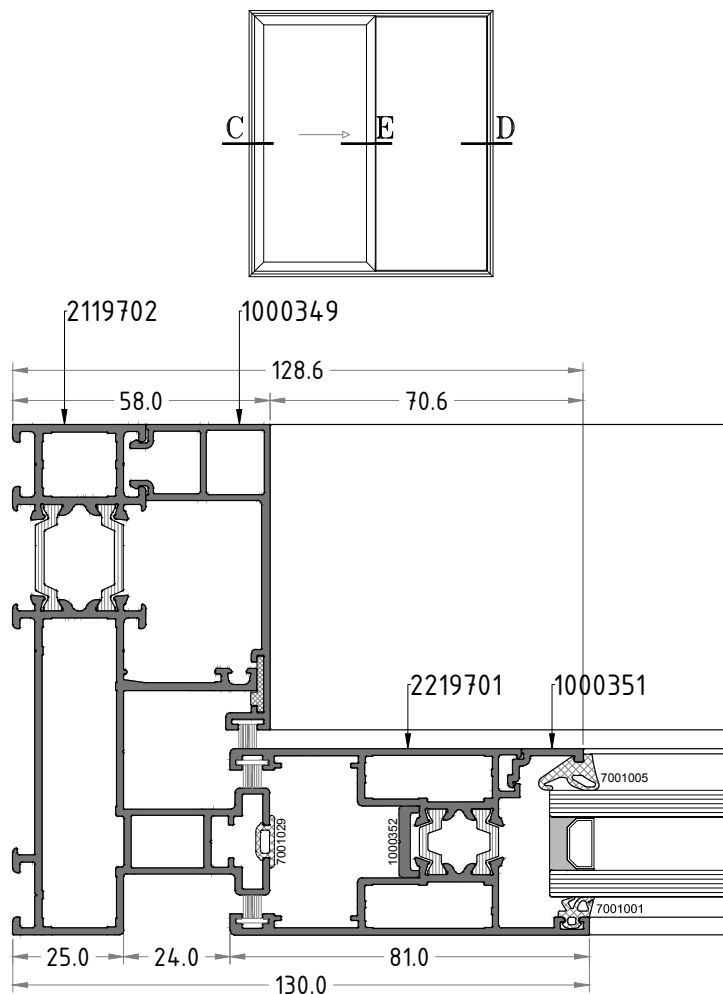
Section A-A



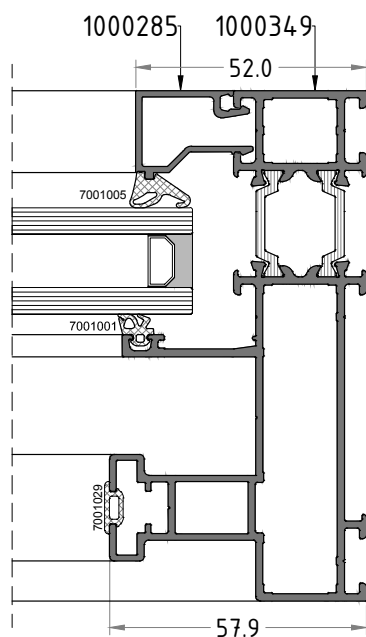


Section B-B

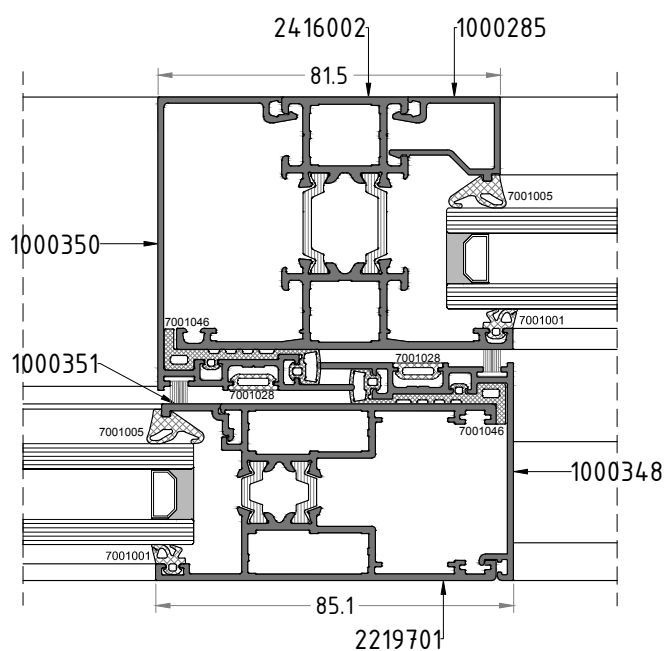
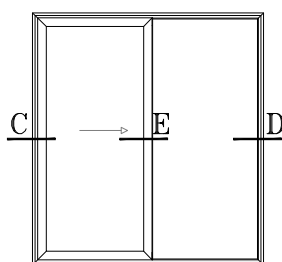




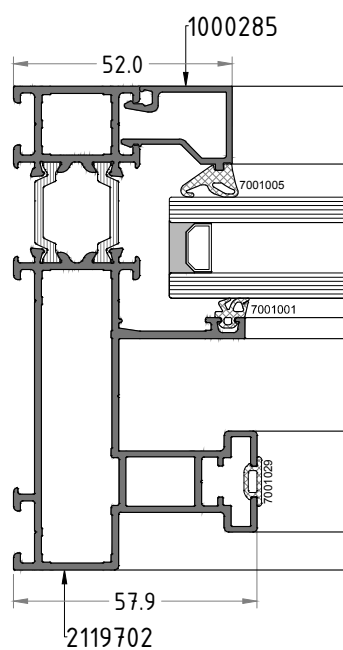
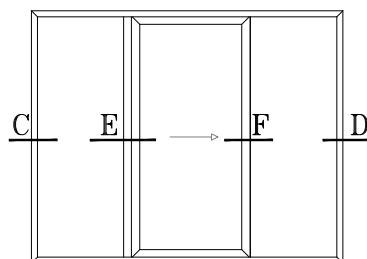
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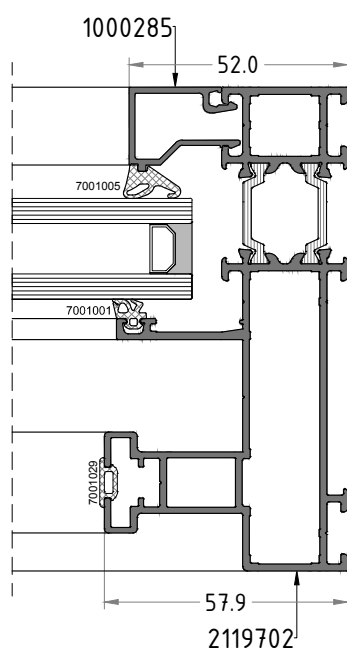
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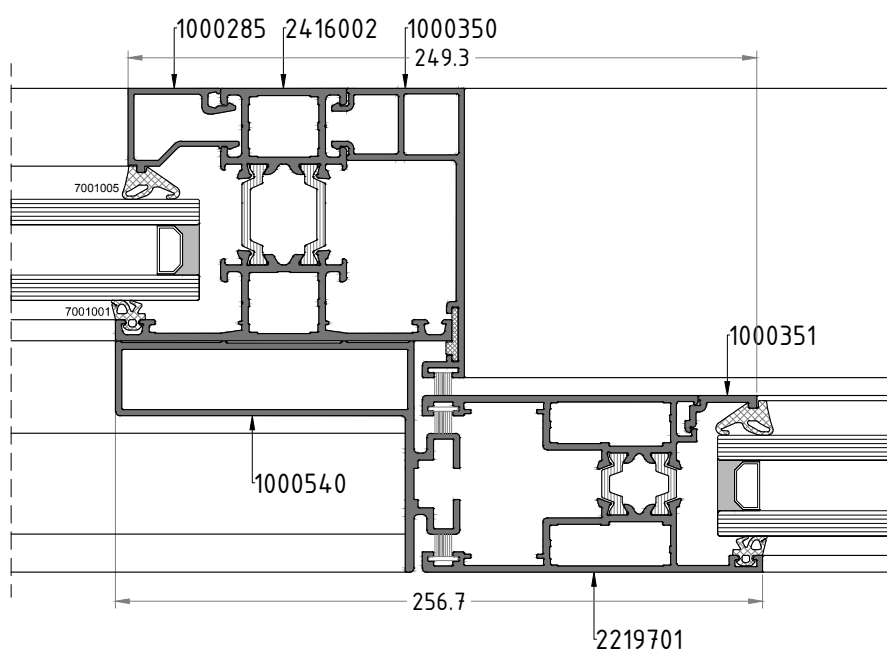
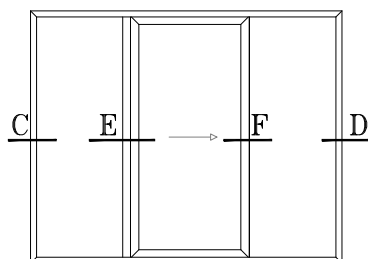
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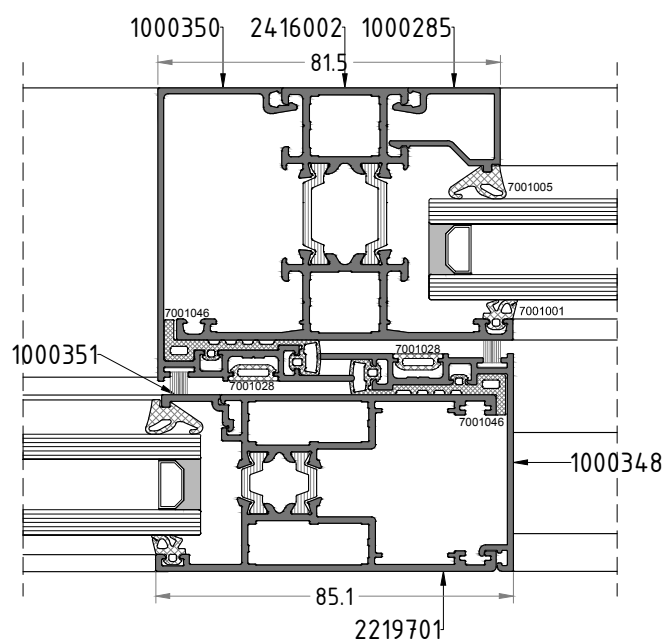
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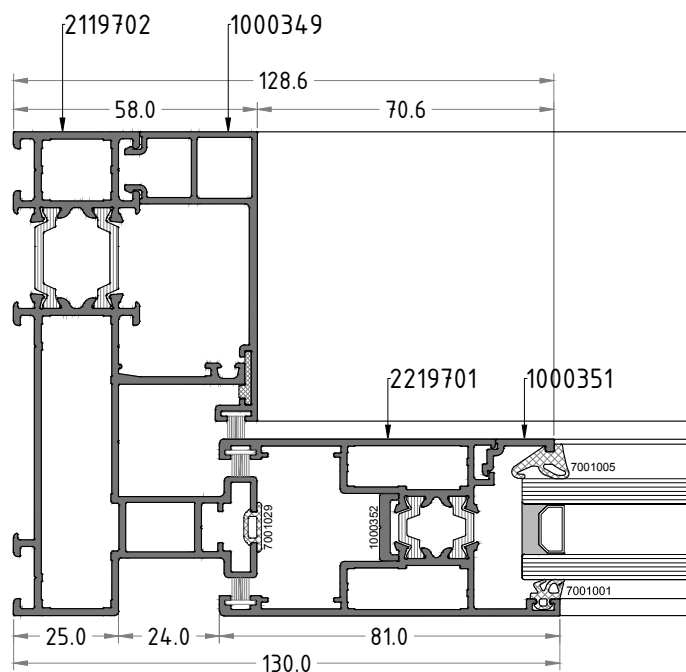
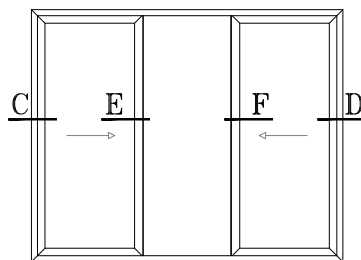
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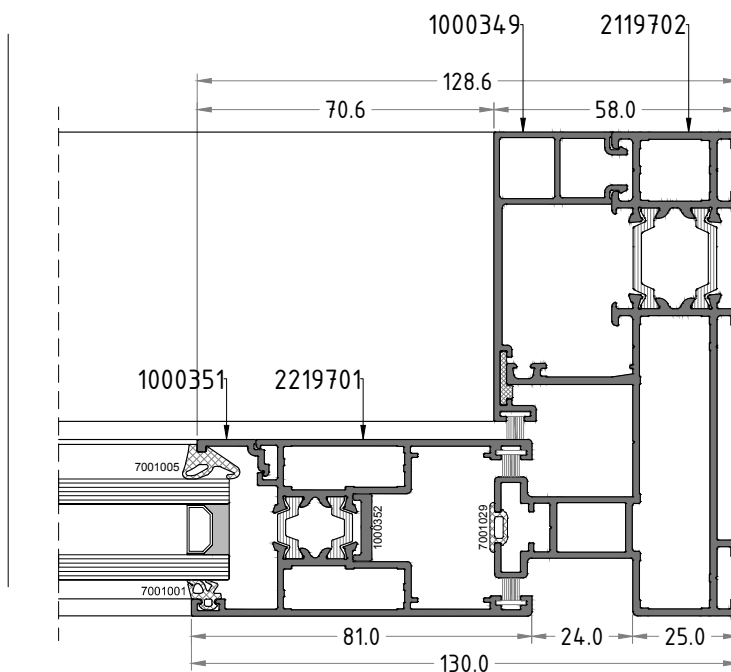
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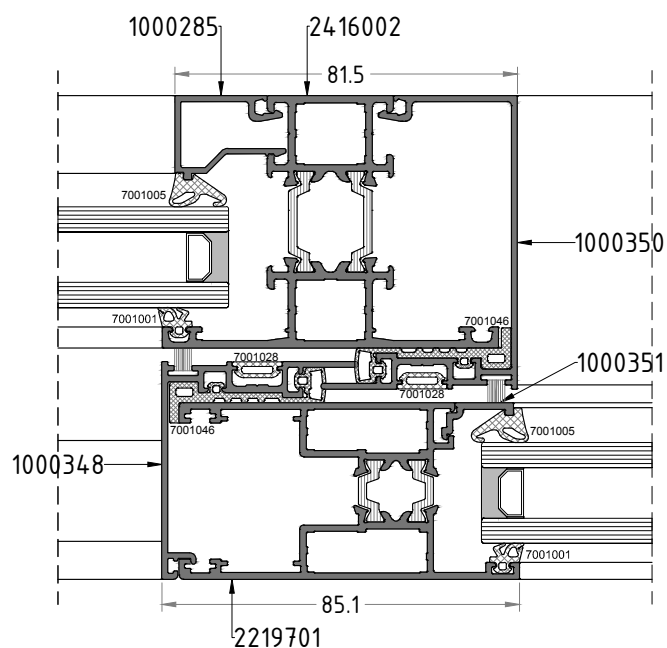
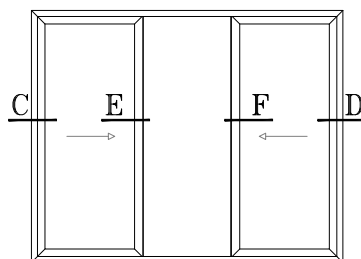
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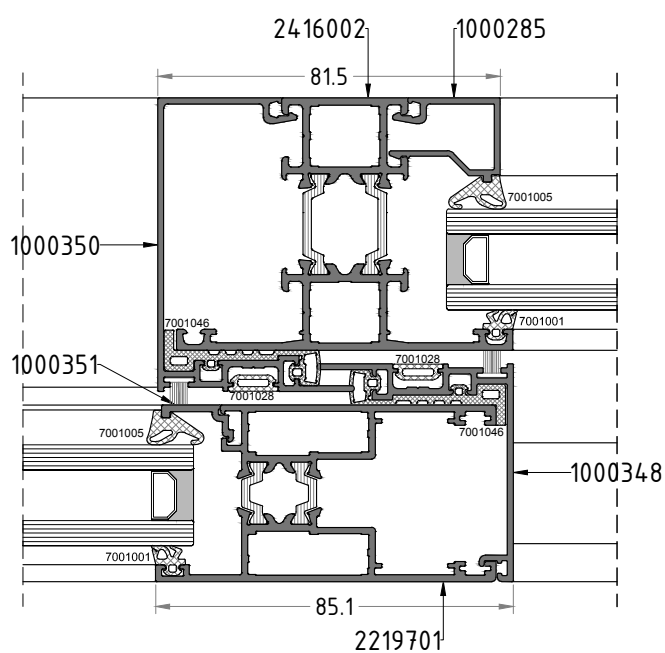
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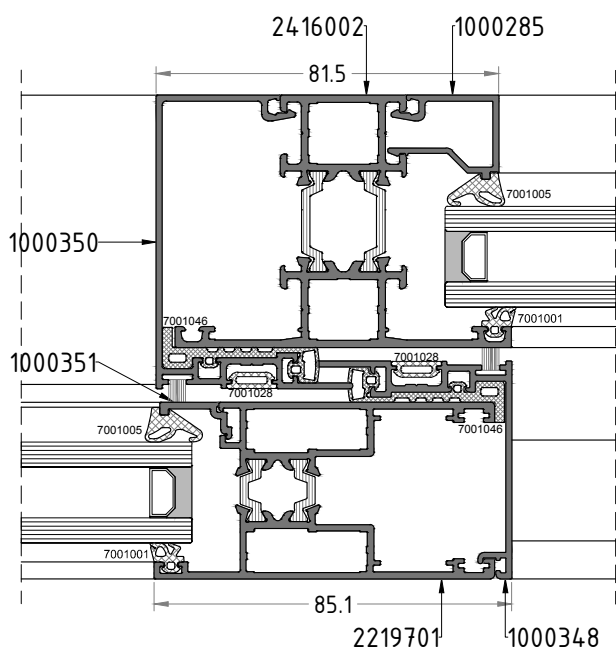
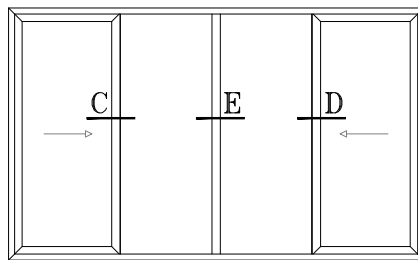
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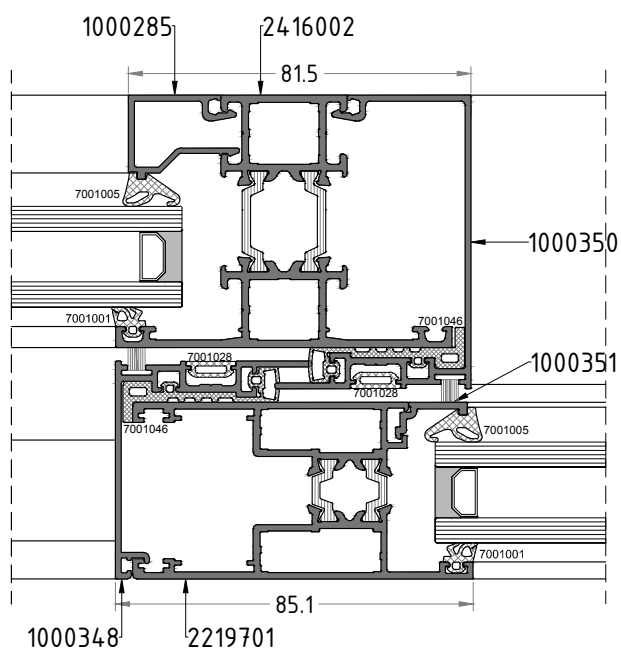
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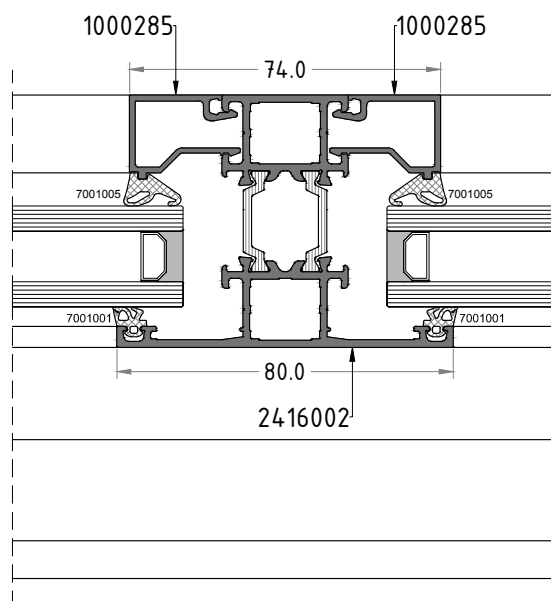
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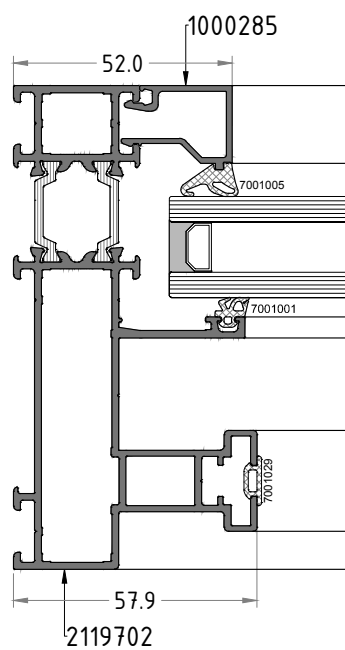
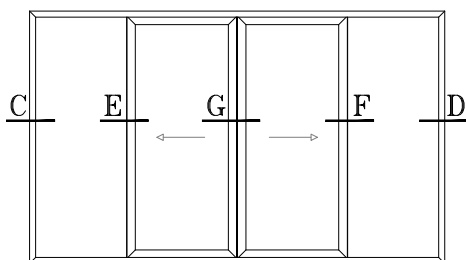
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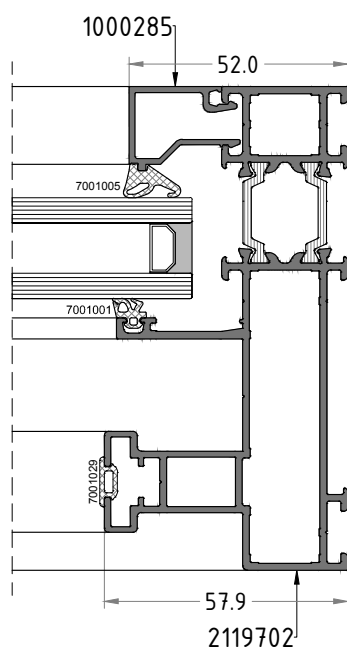
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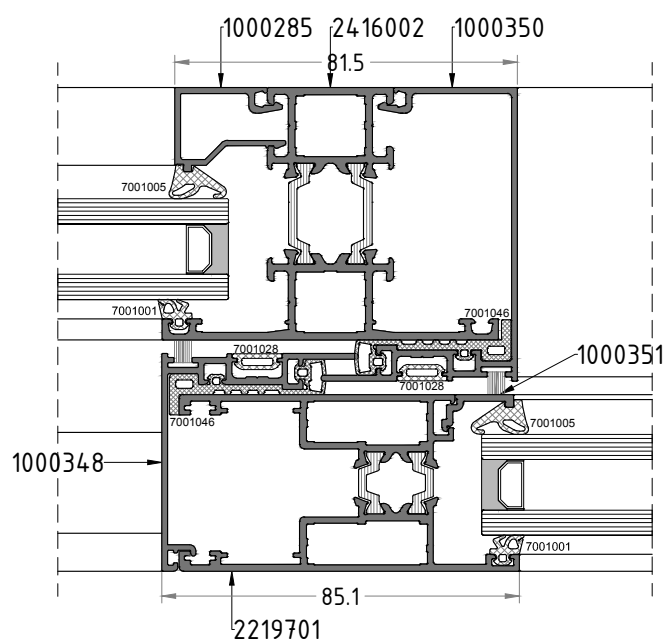
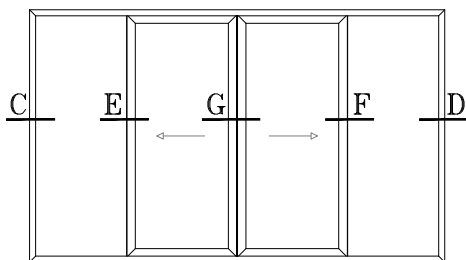
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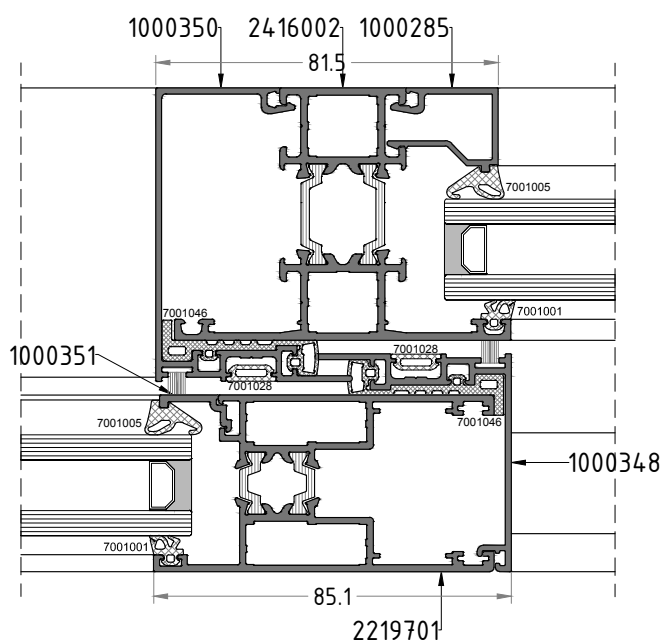
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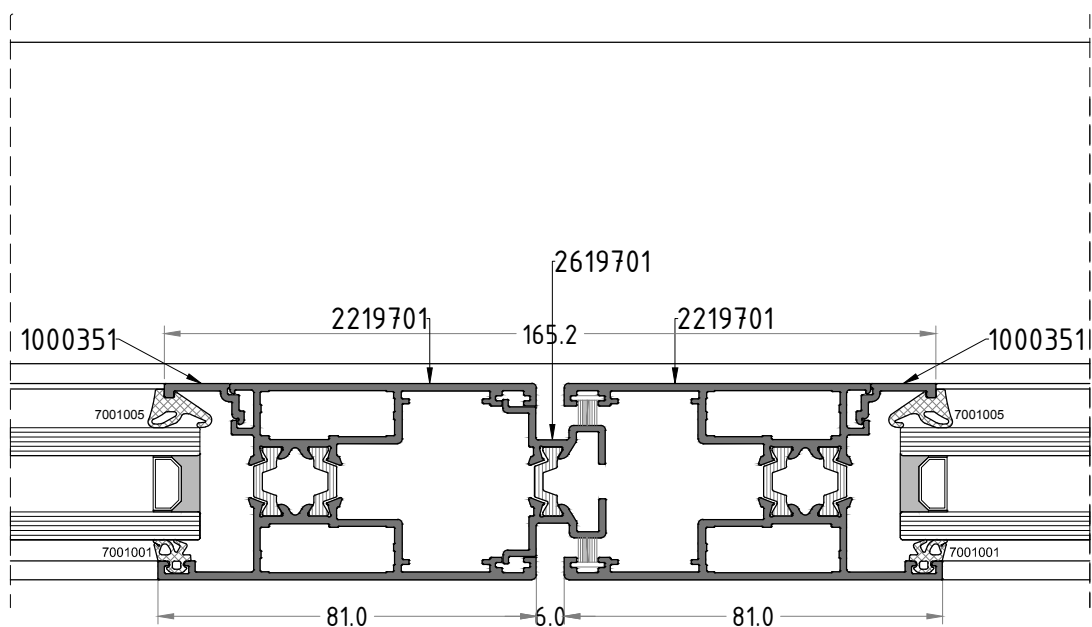
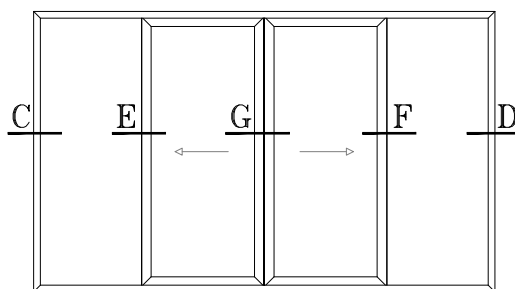
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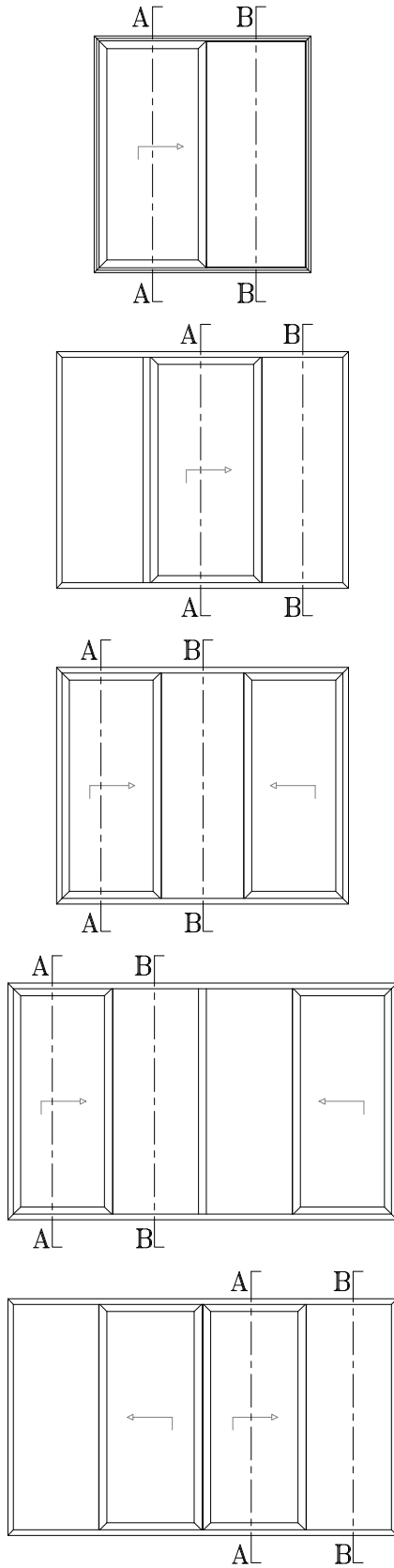
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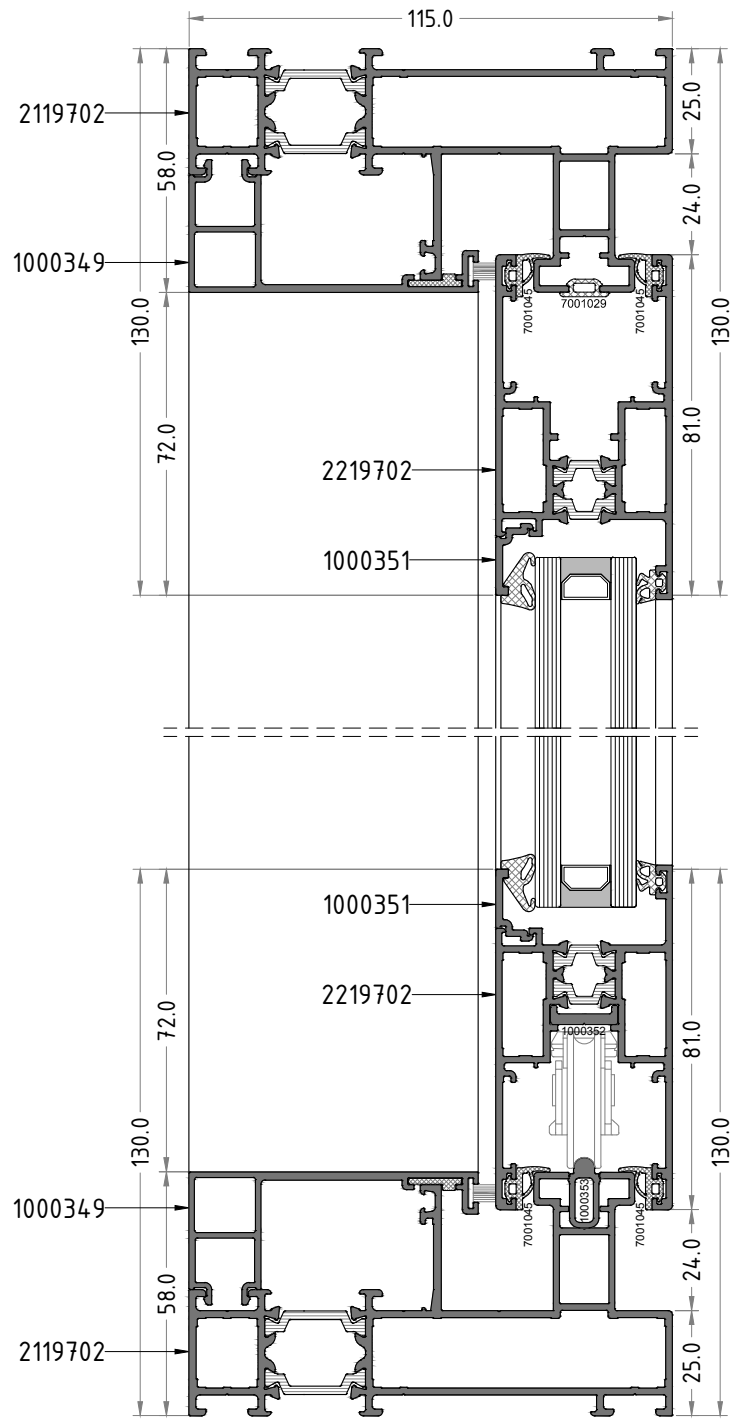
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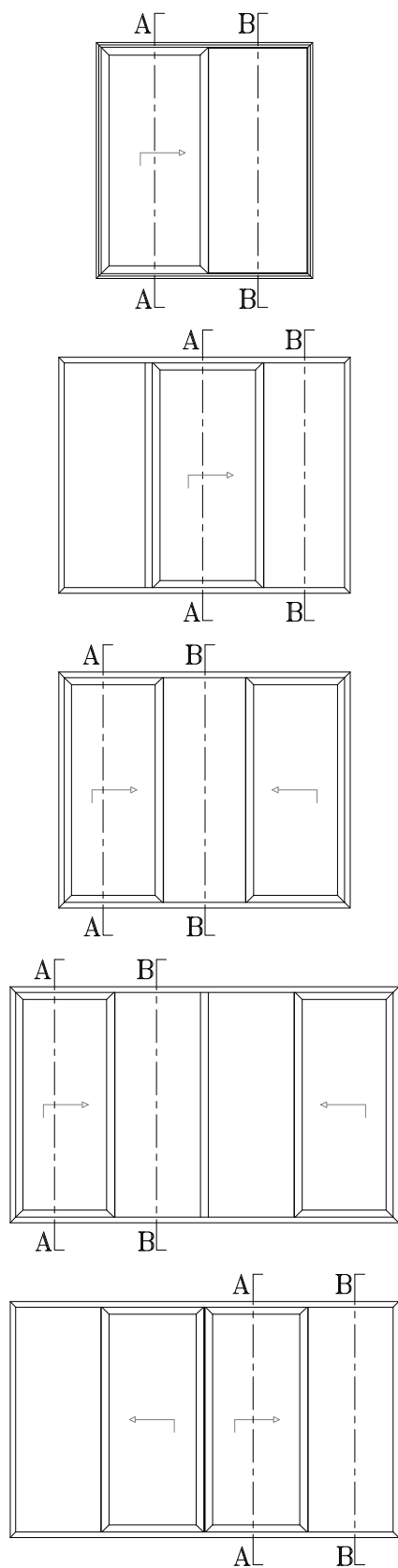


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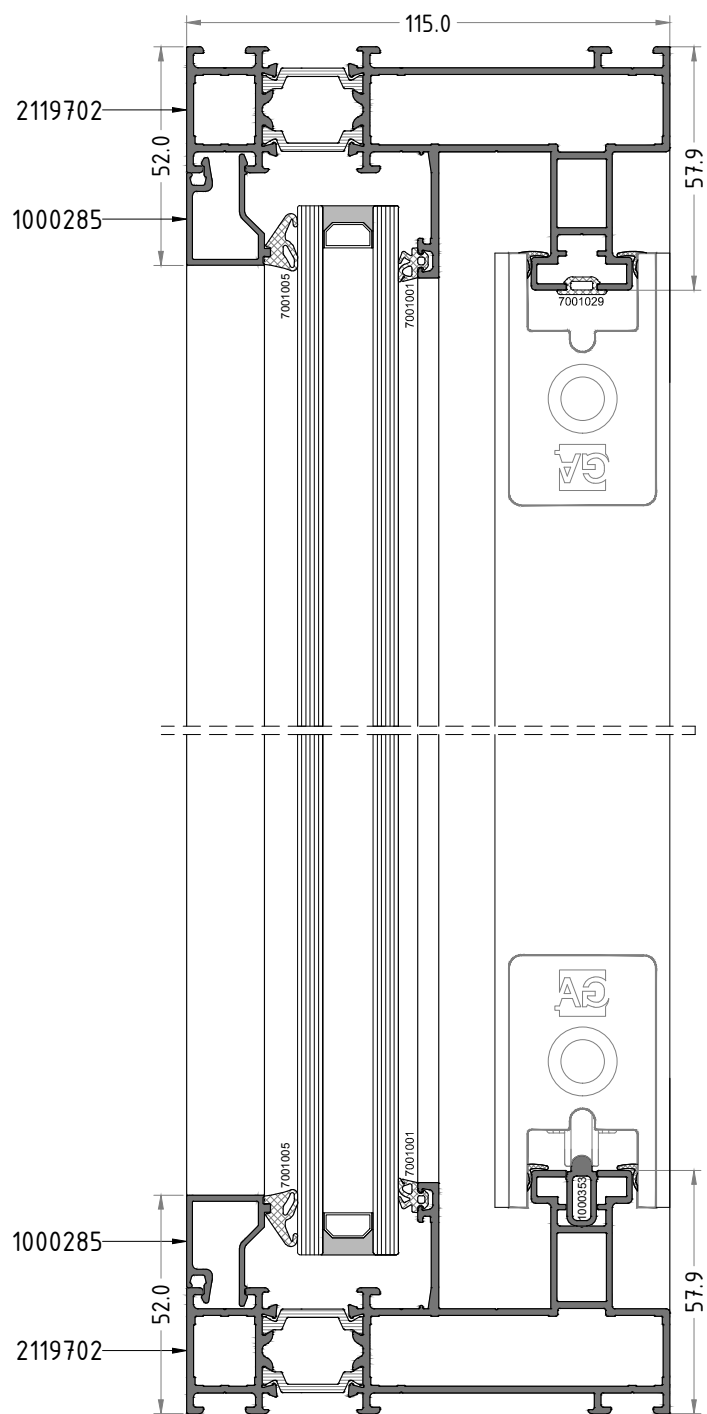


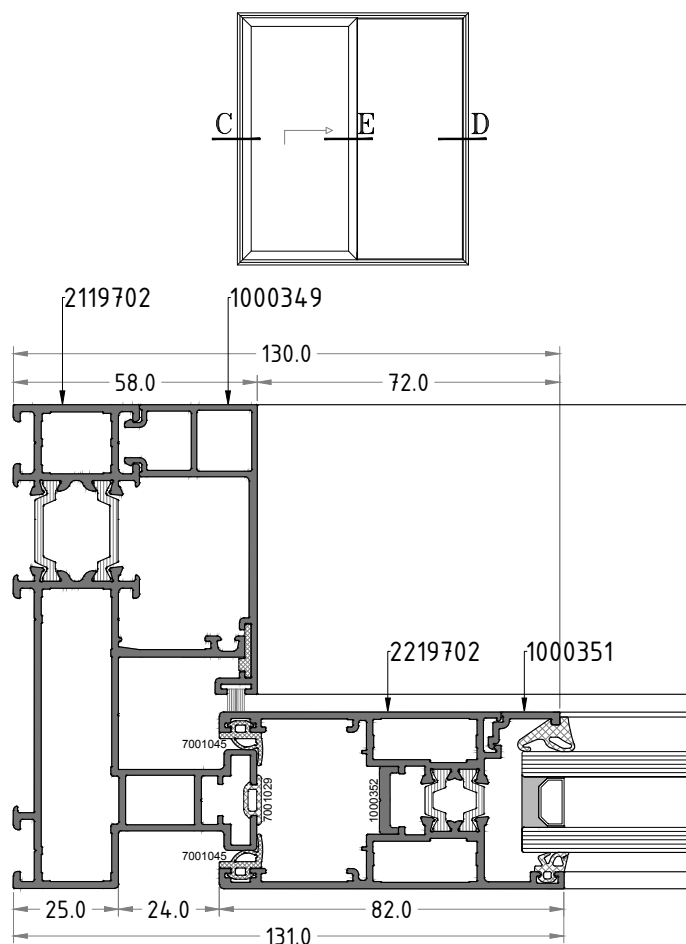
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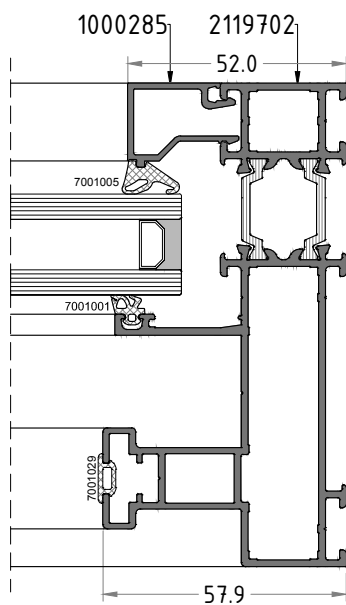


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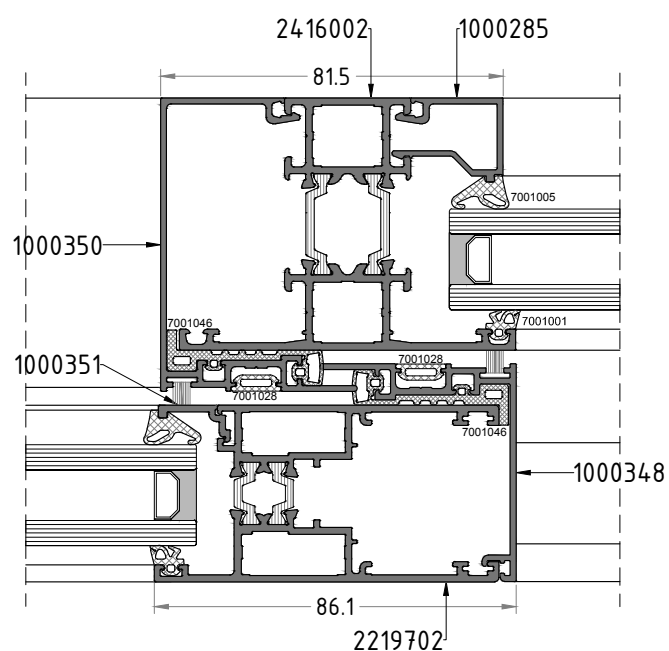
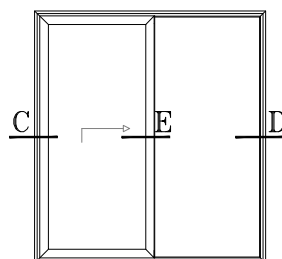




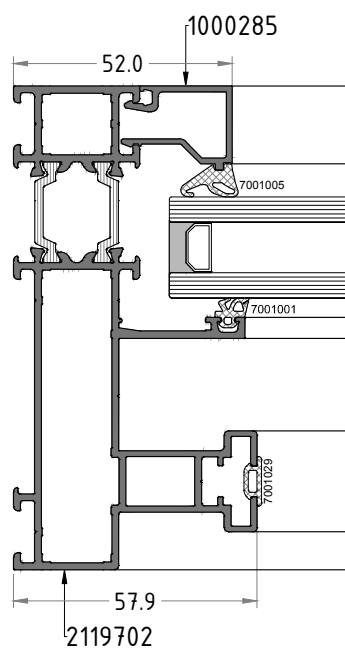
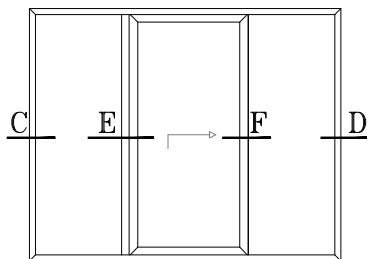
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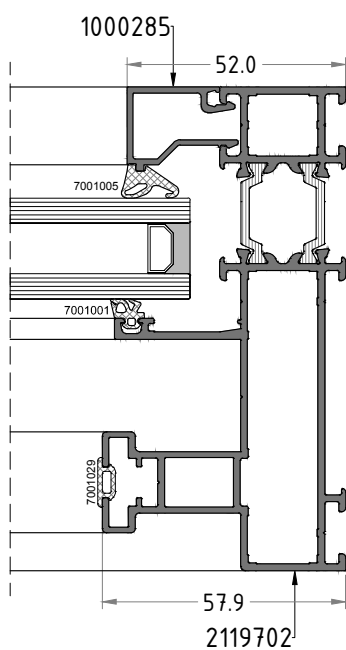
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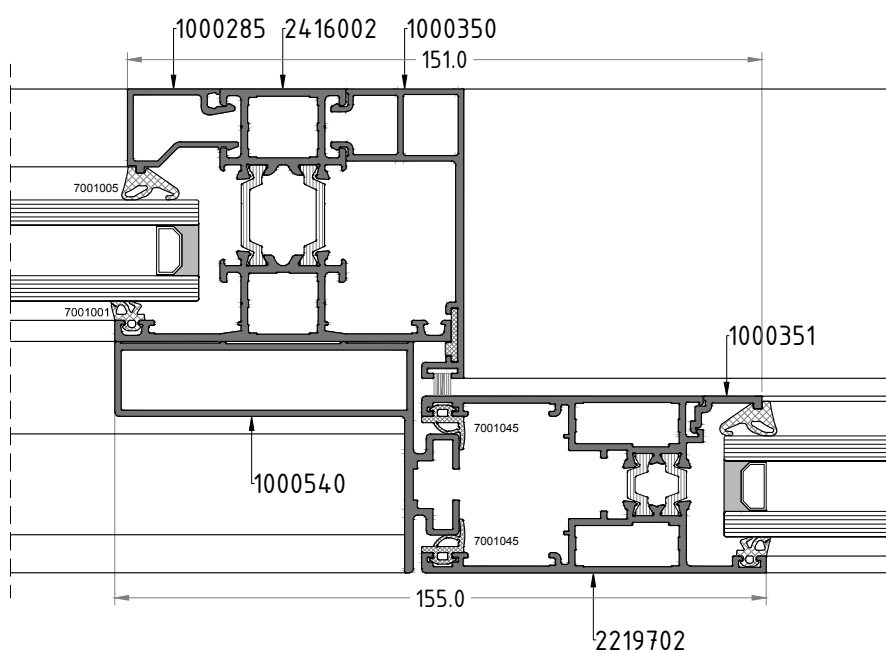
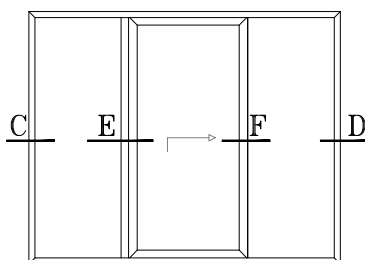
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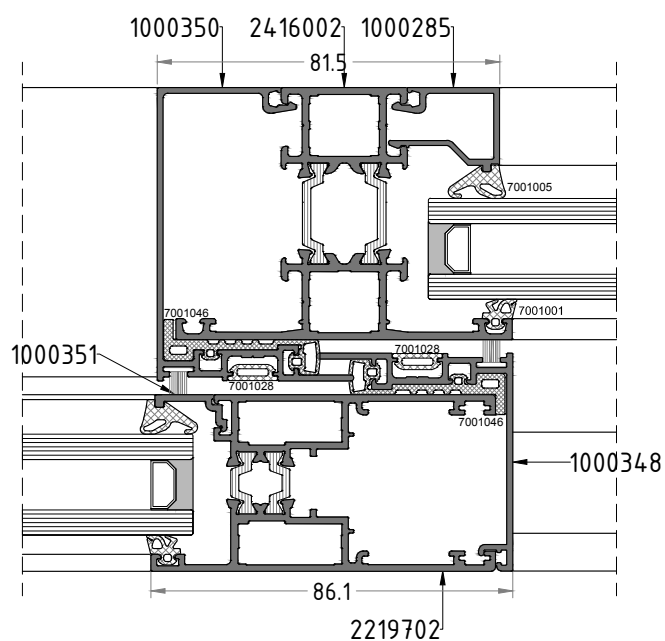
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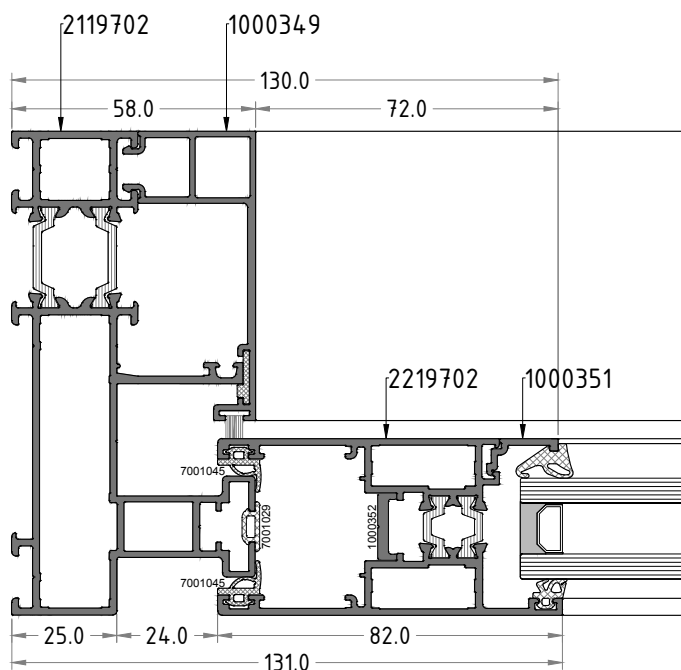
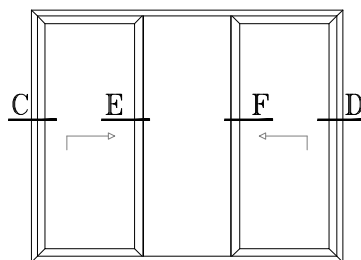
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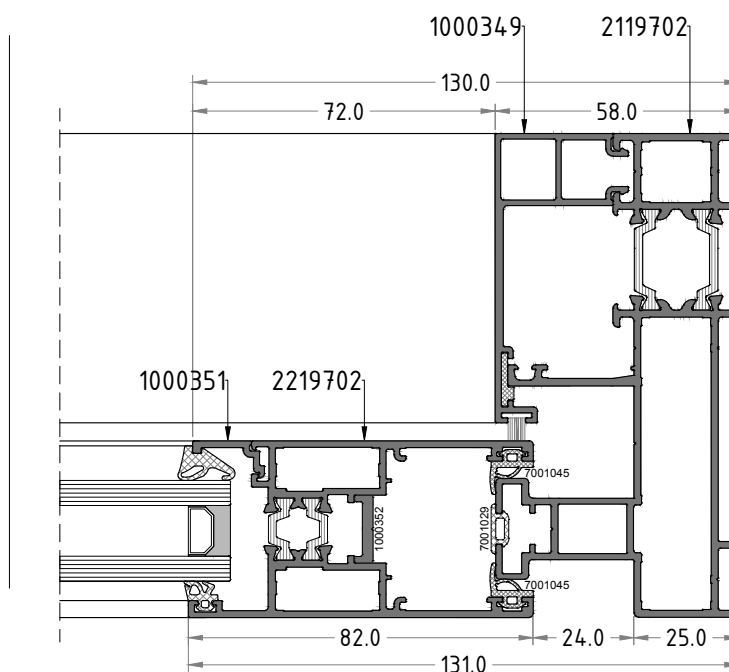
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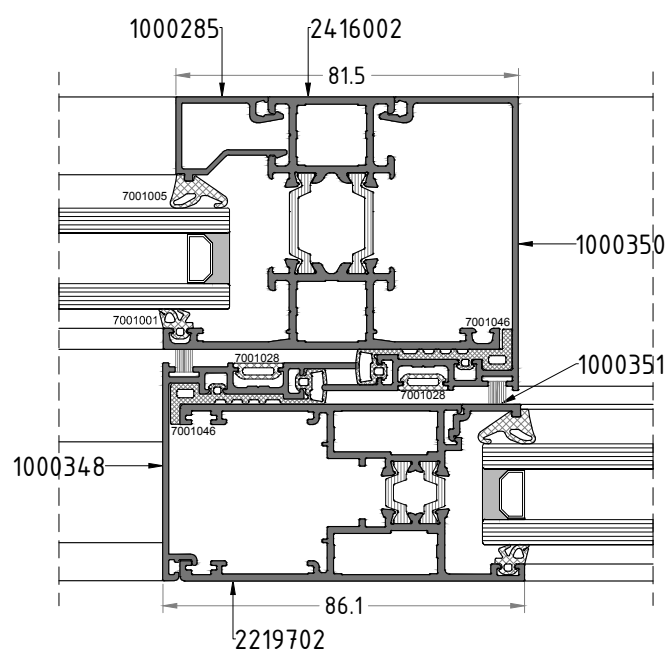
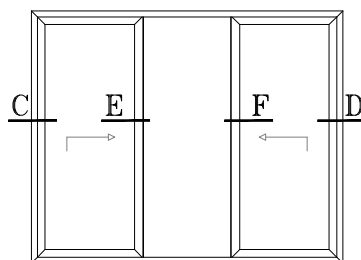
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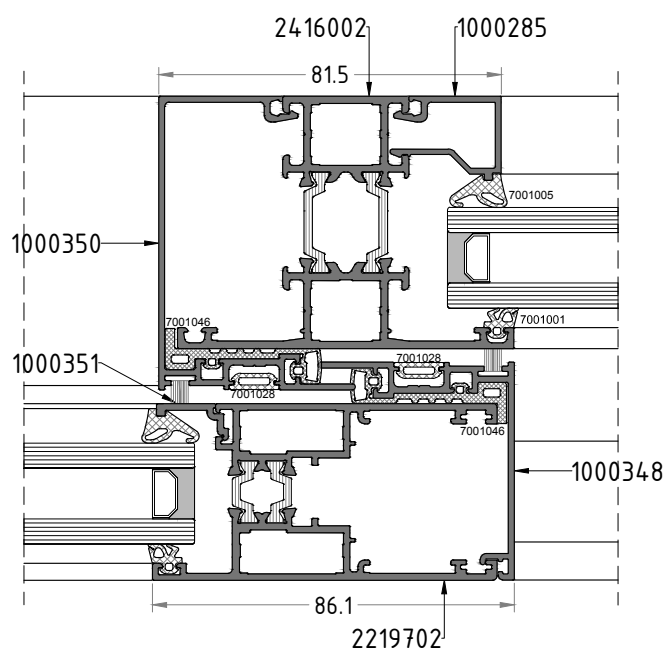
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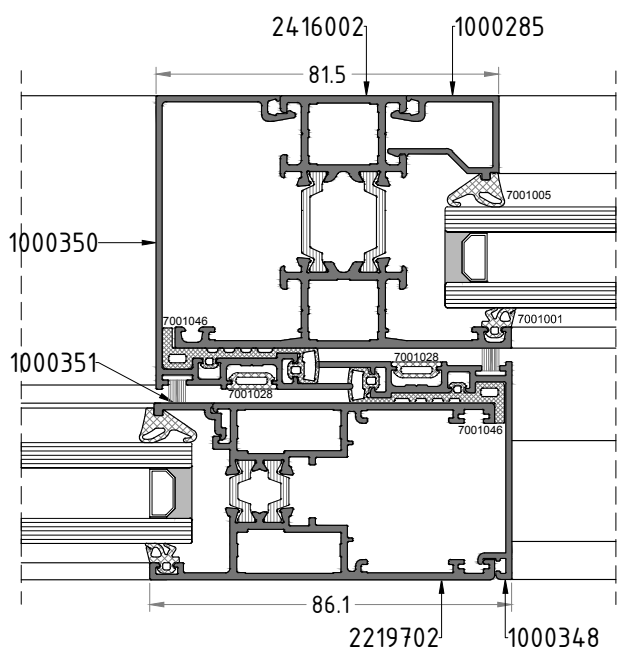
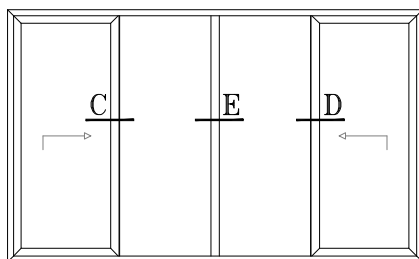
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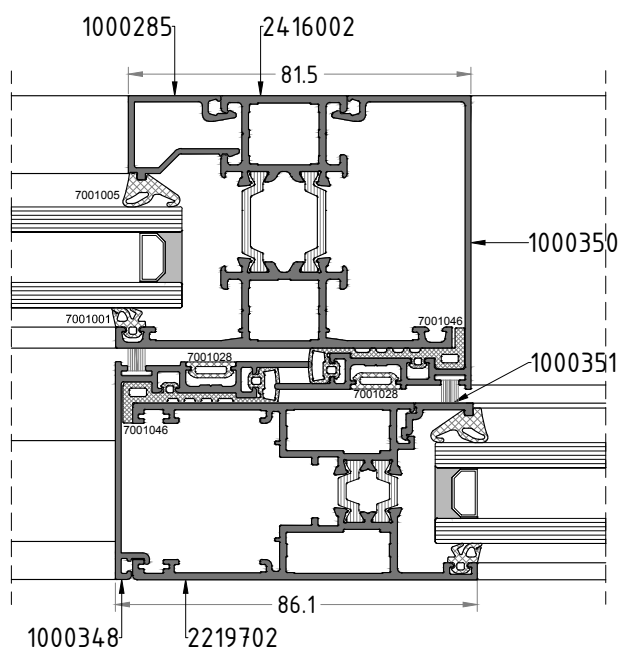
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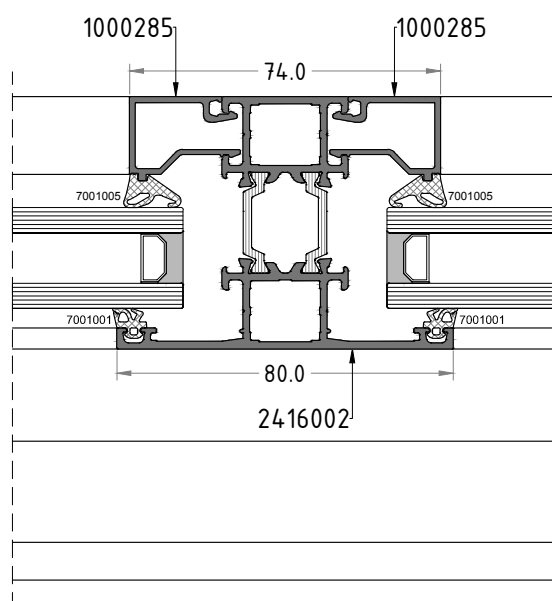
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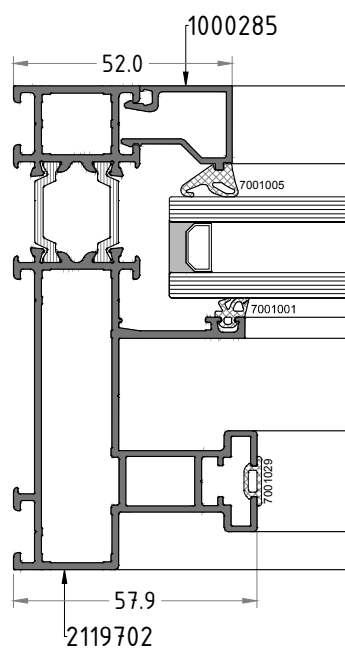
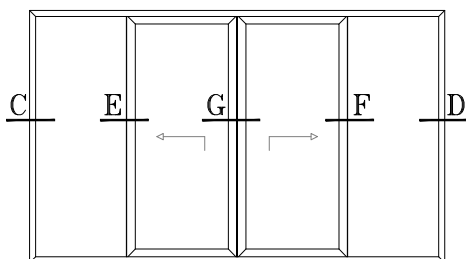
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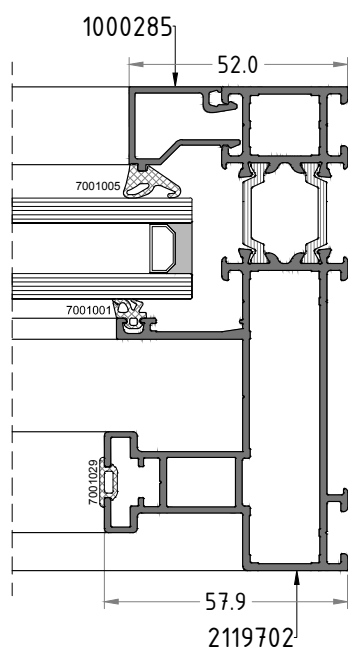
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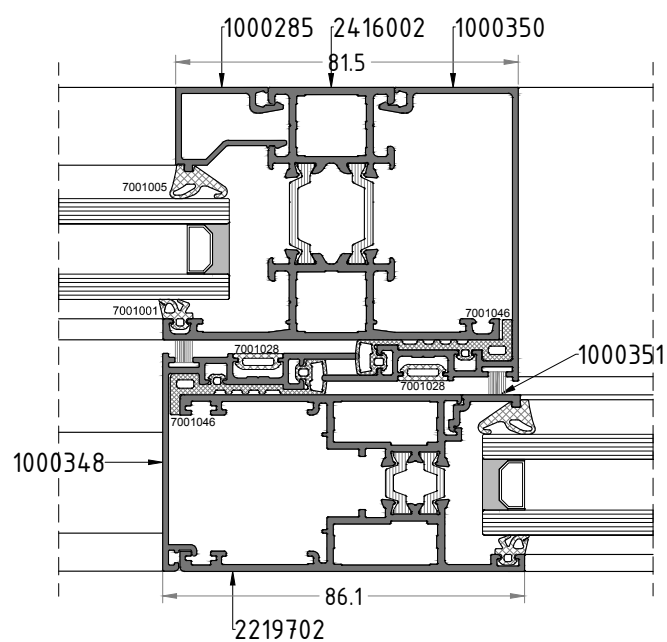
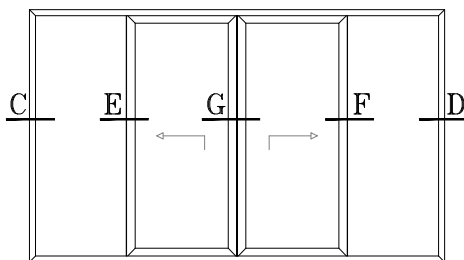
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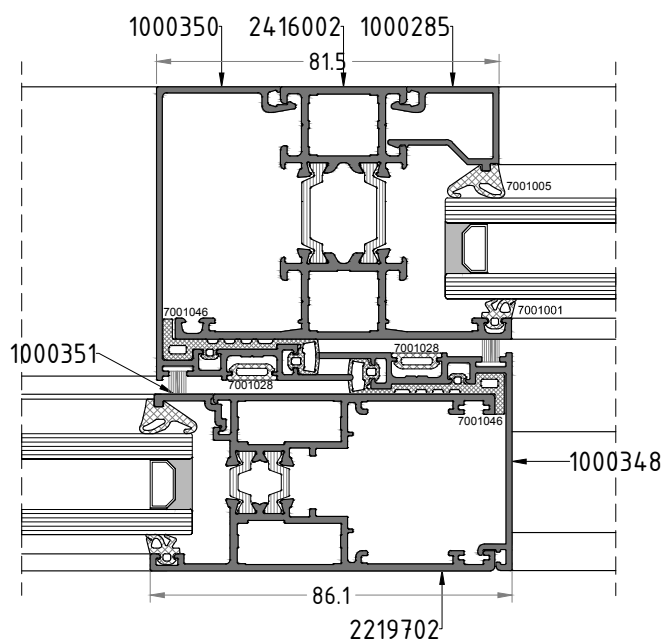
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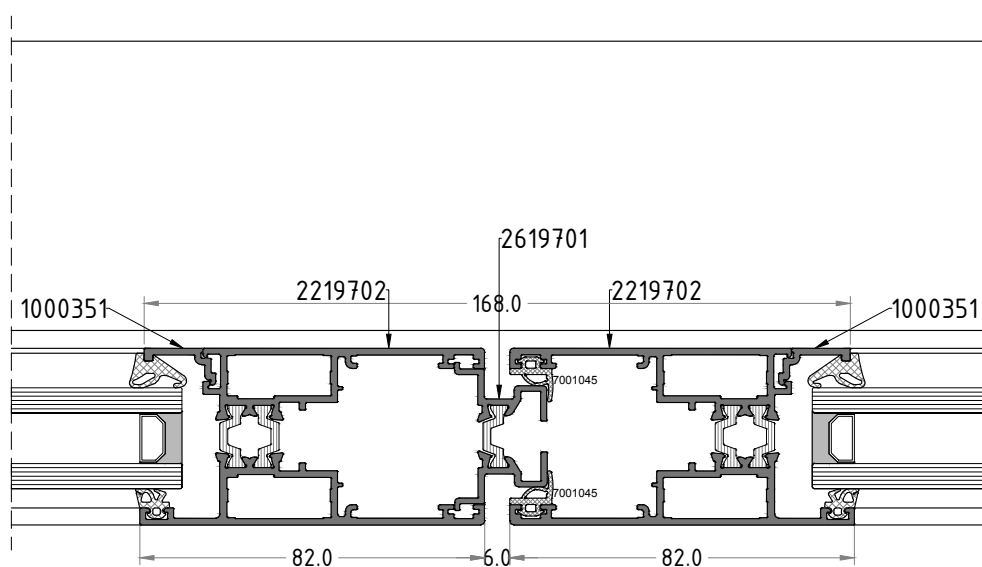
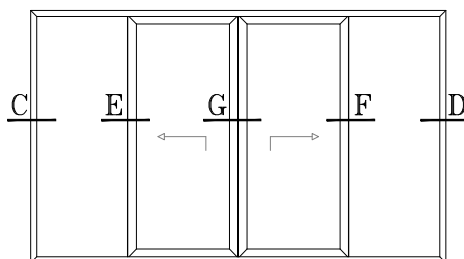
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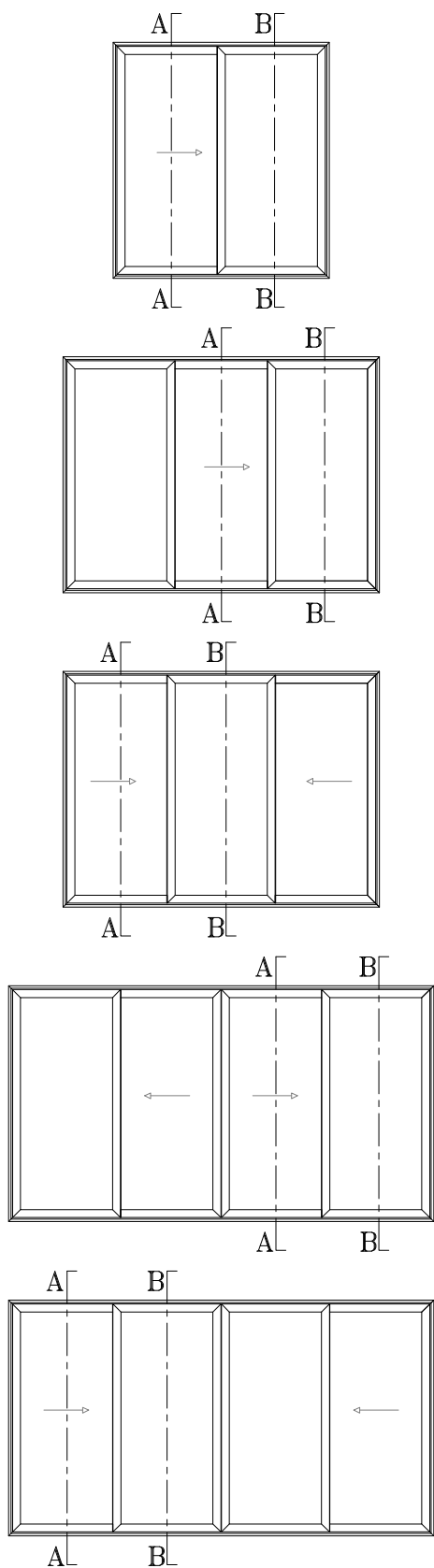
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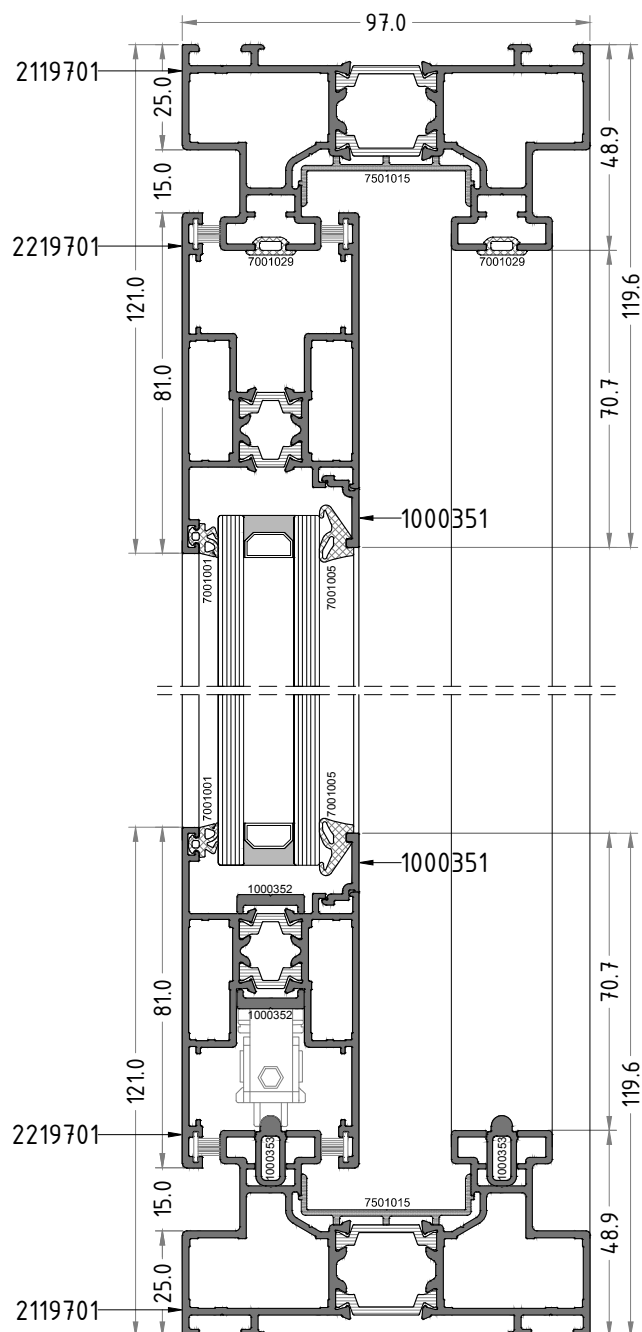
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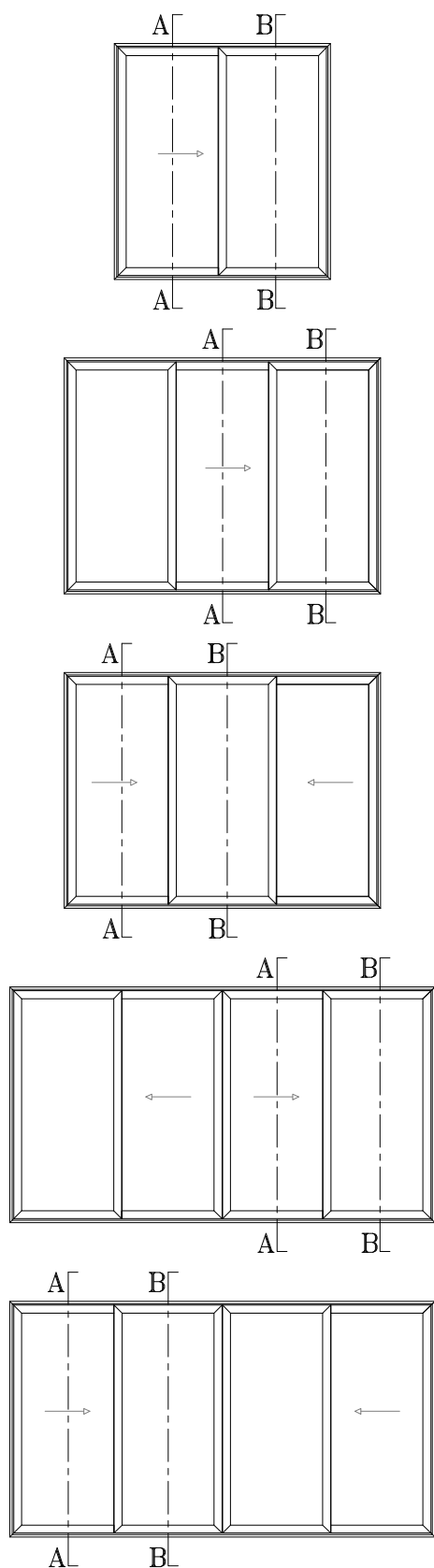


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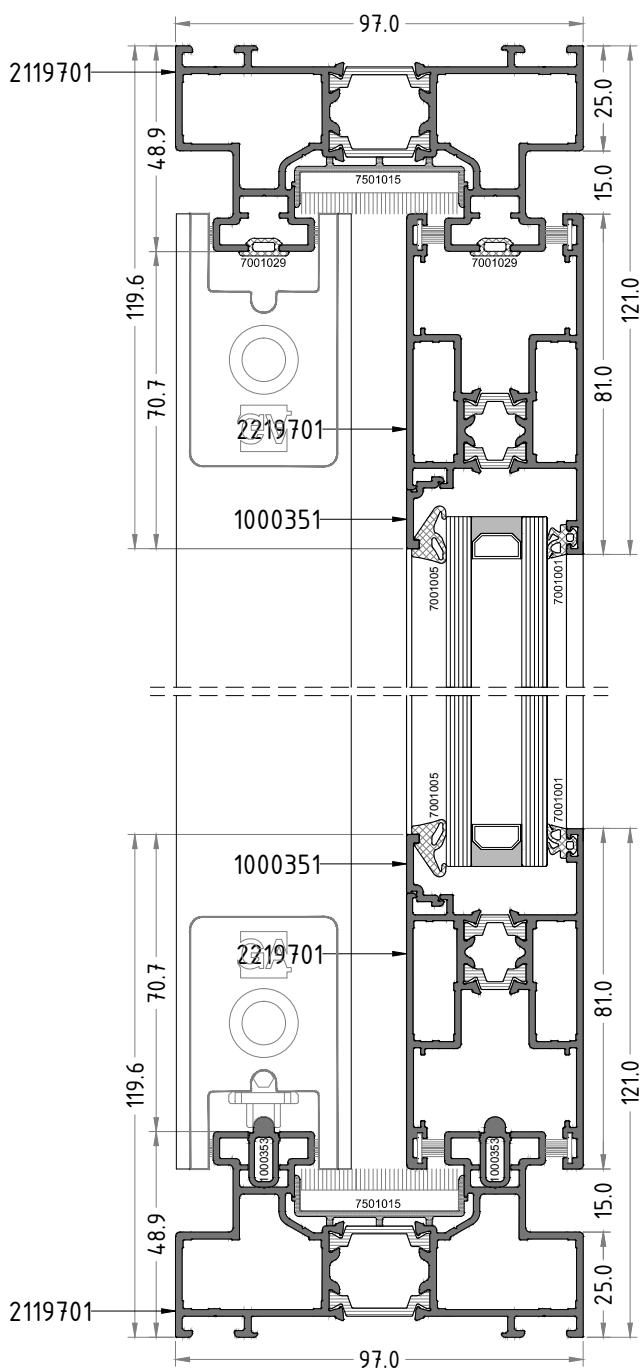


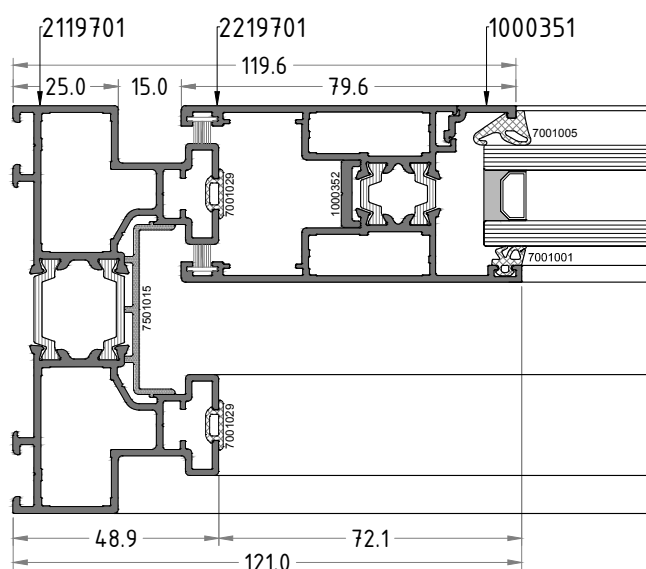
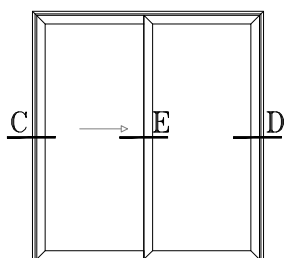
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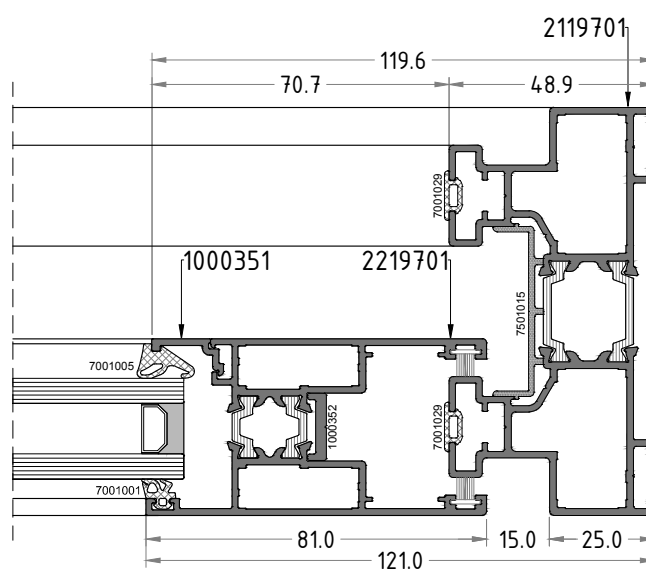


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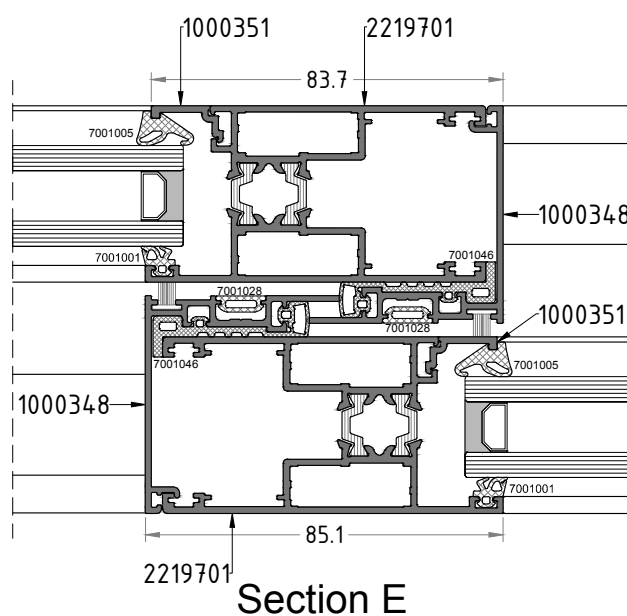
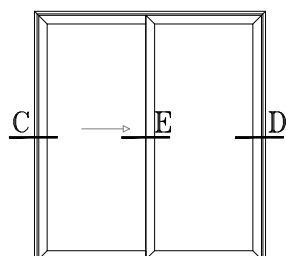


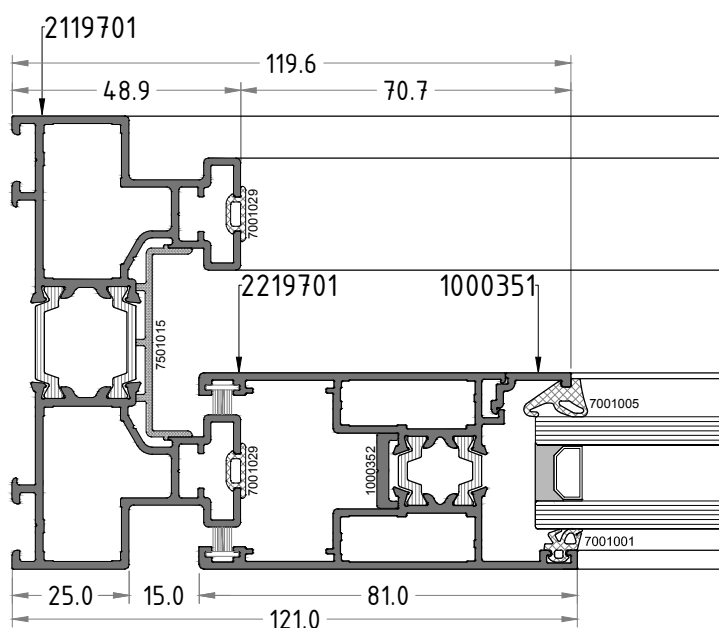
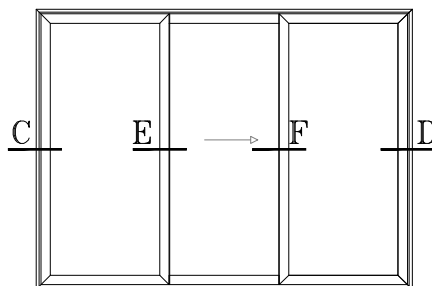


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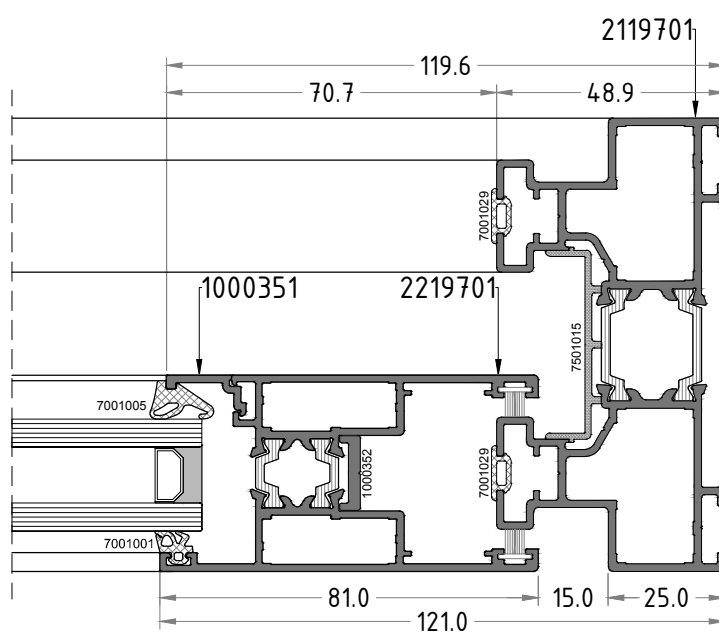


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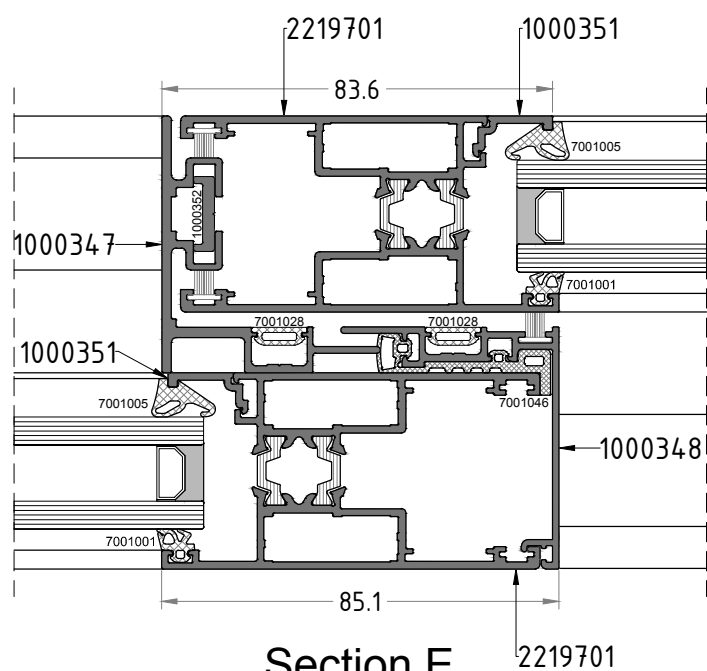
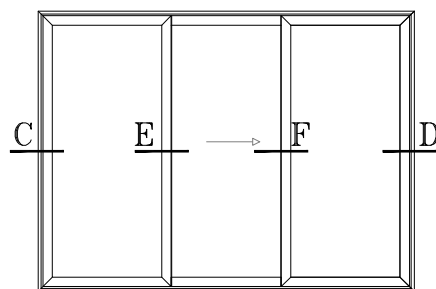




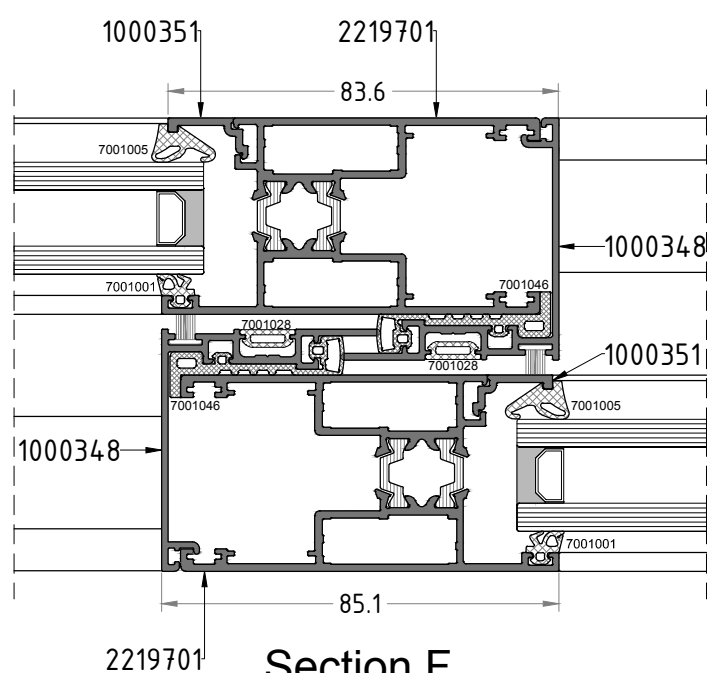
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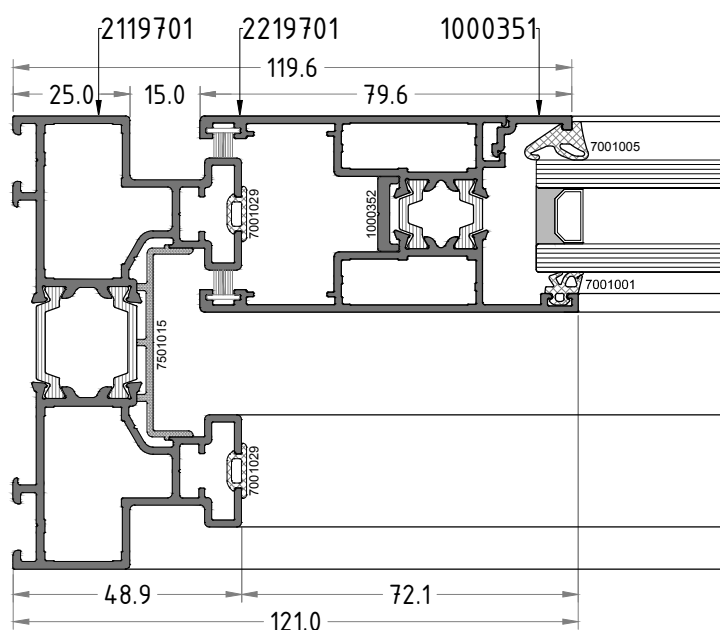
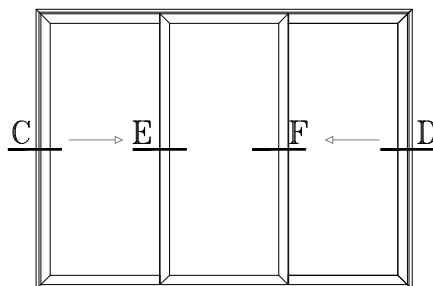
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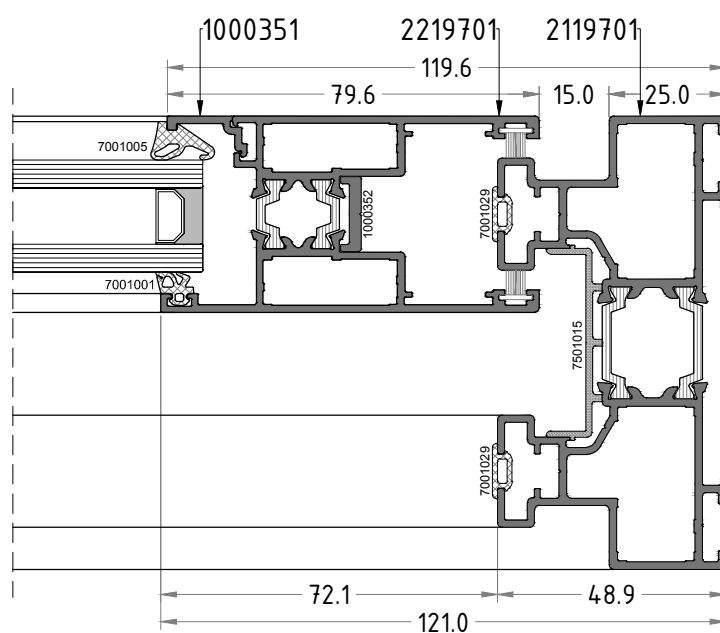
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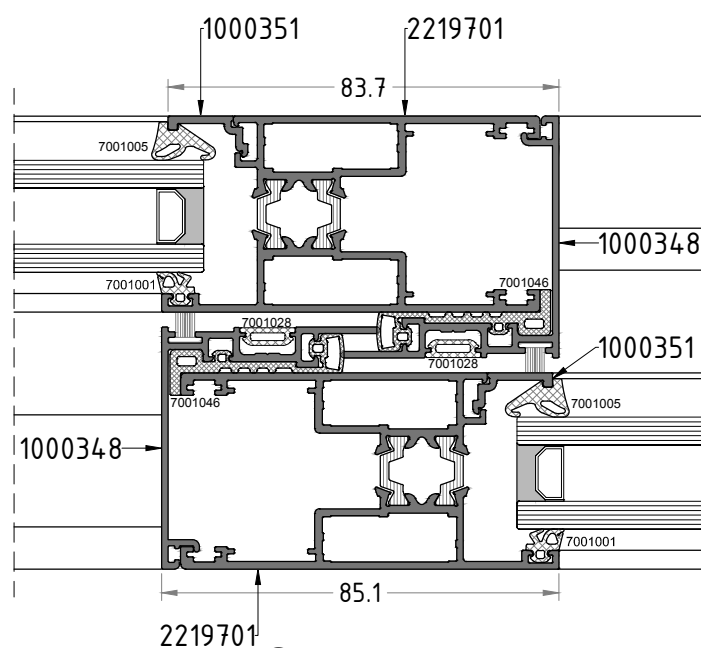
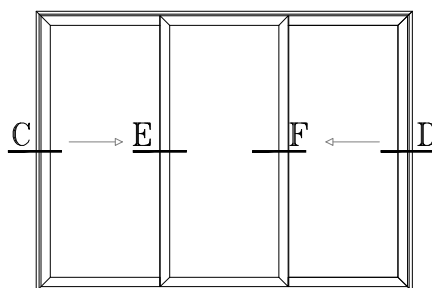
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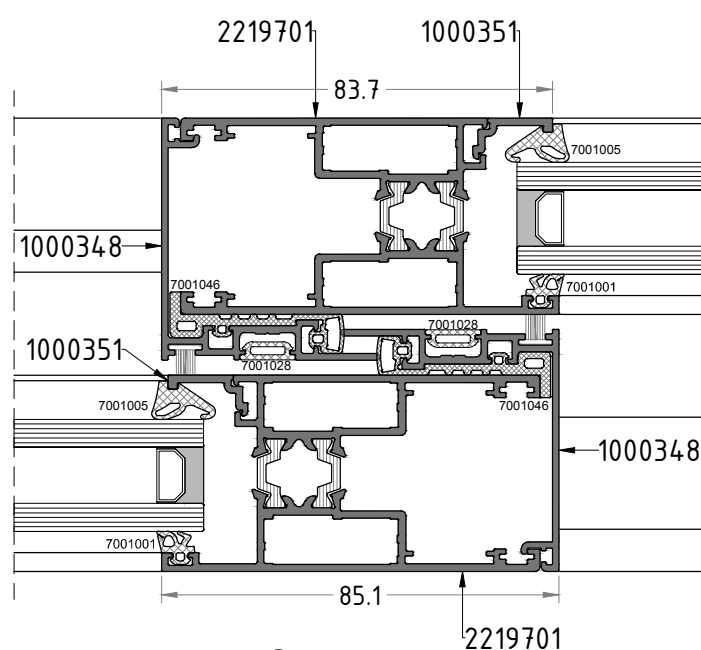
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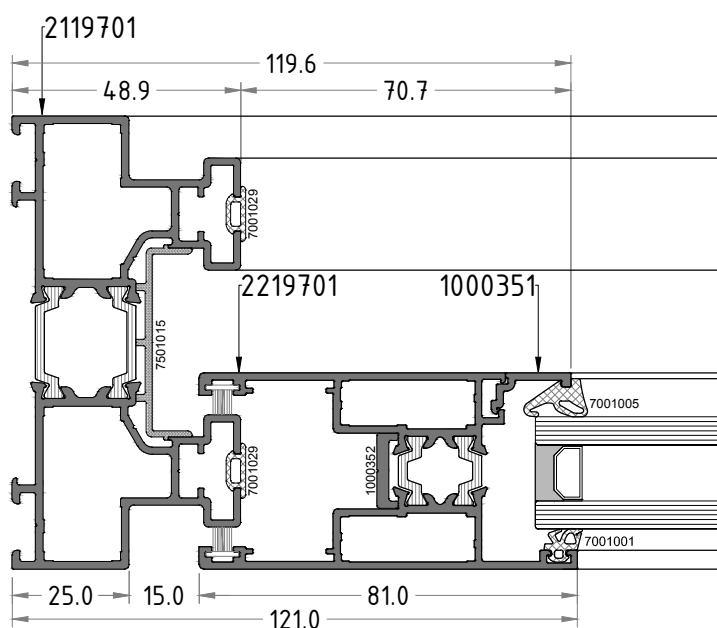
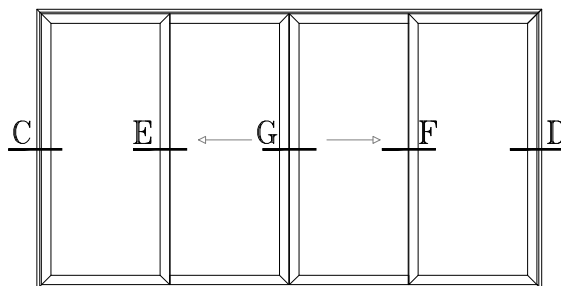
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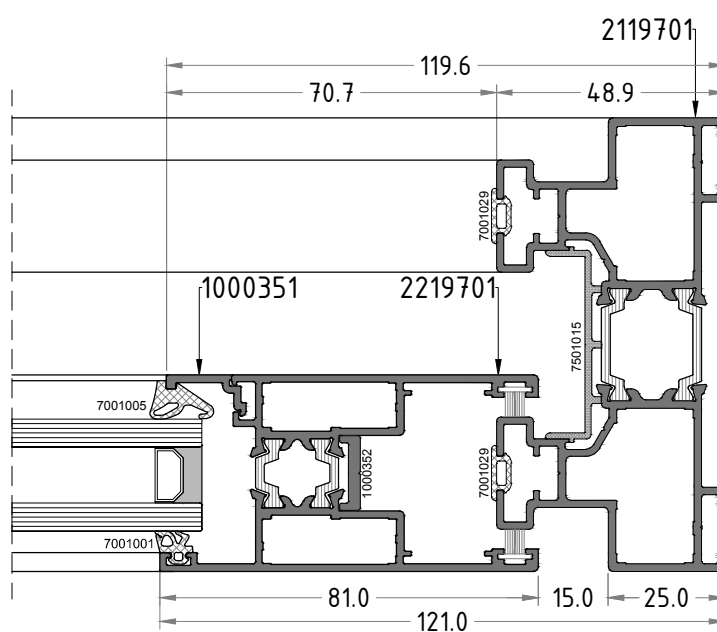
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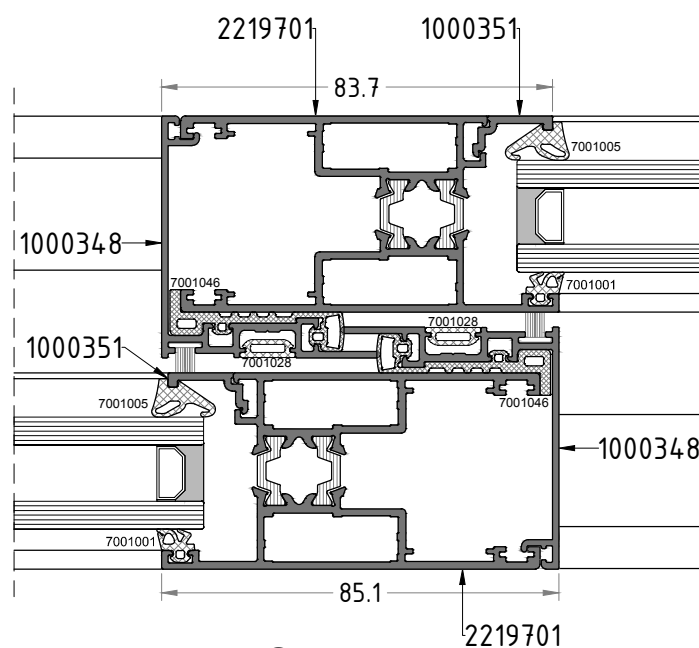
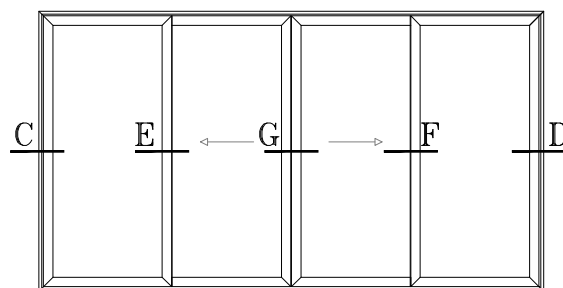
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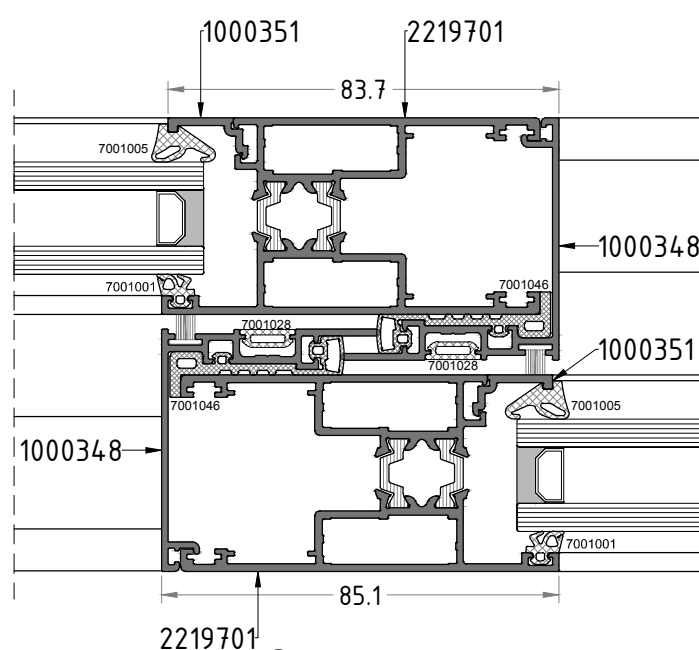
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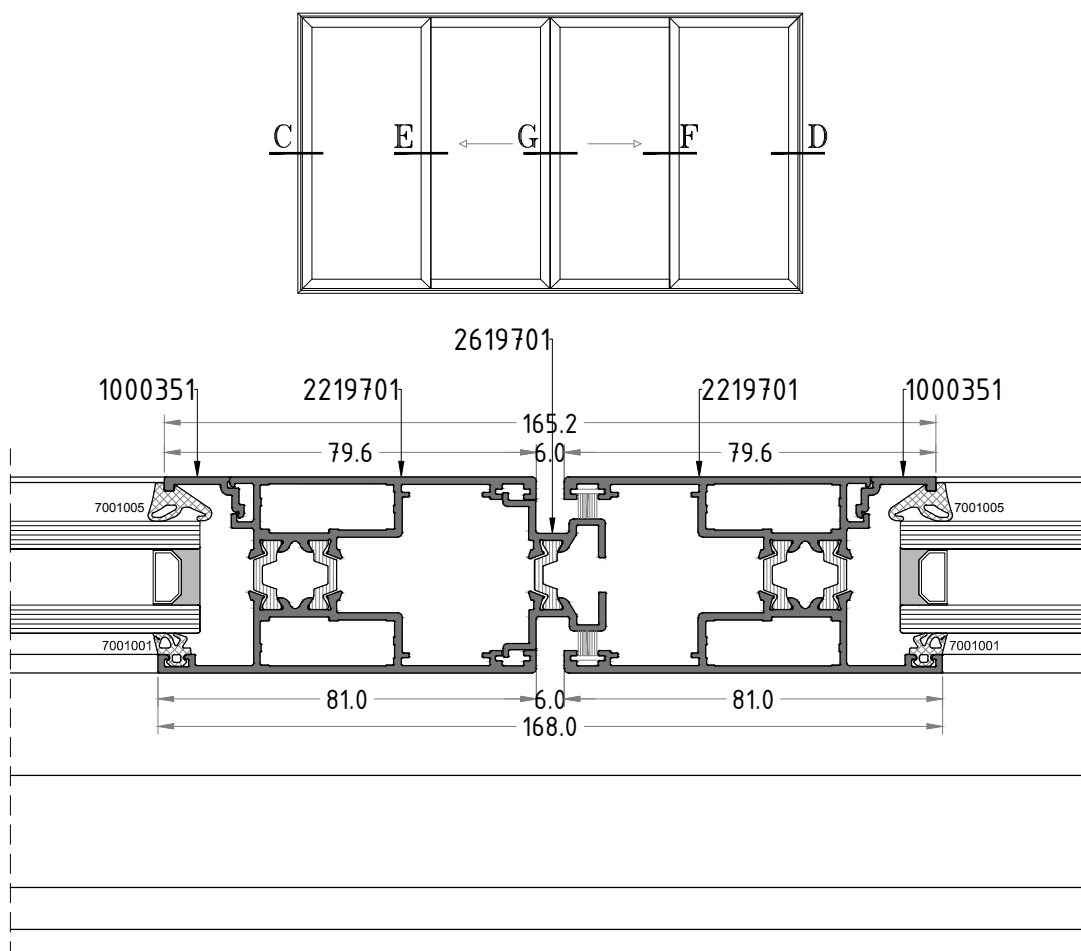
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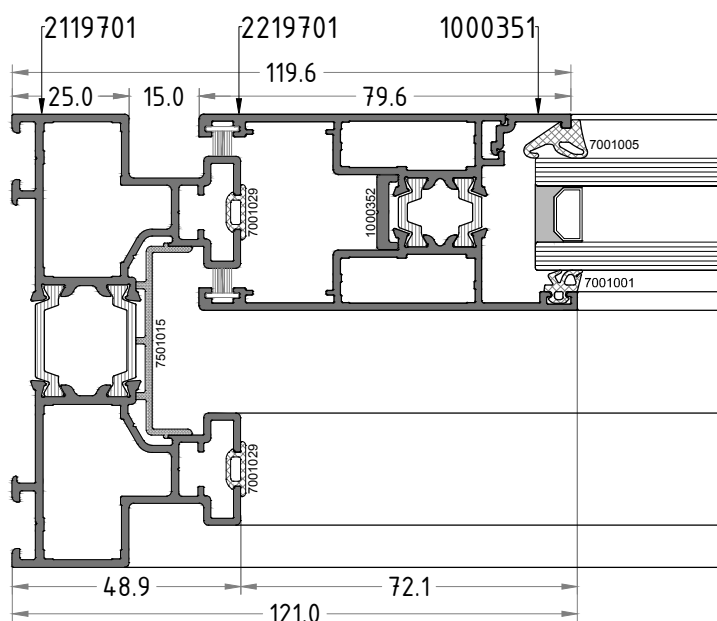
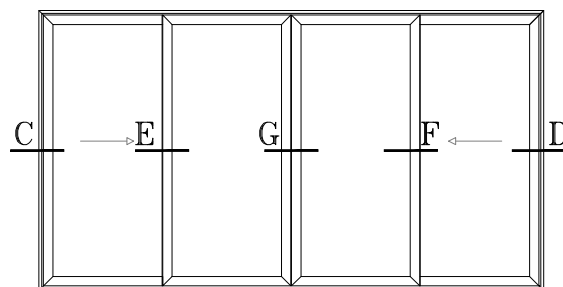
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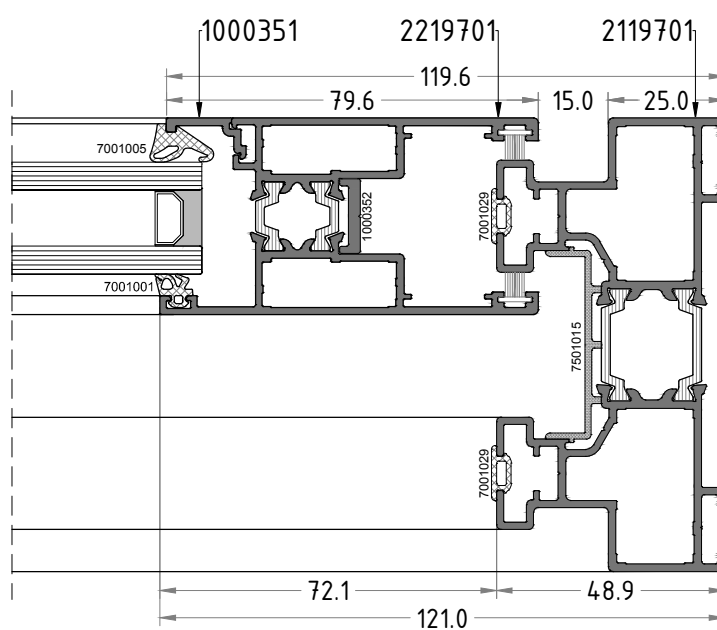
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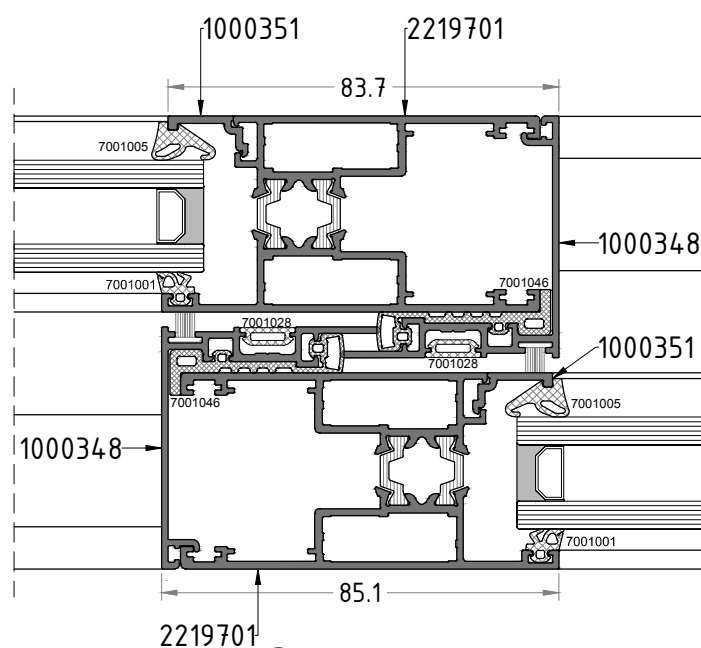
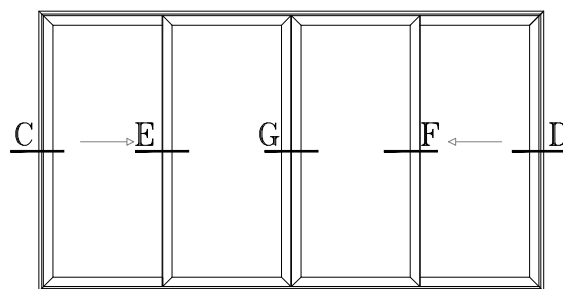
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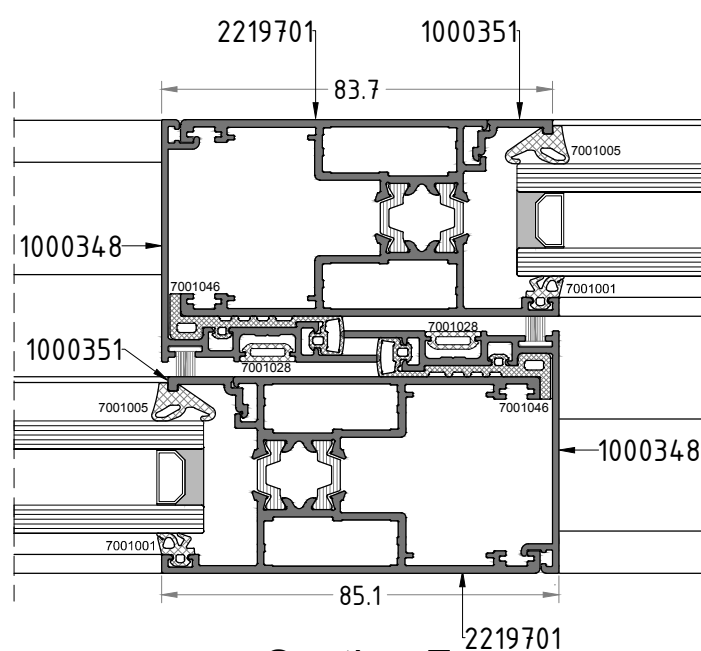
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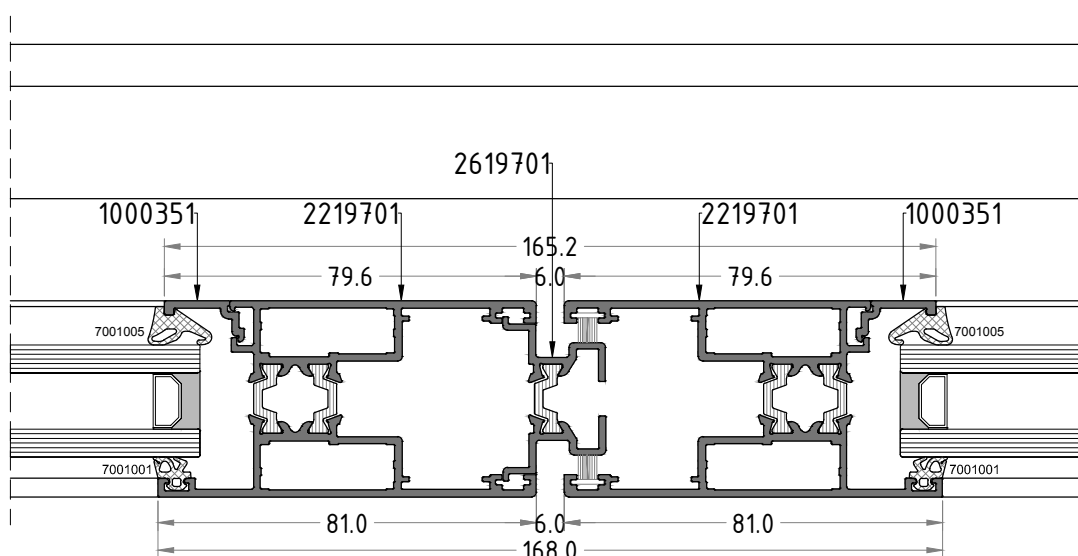
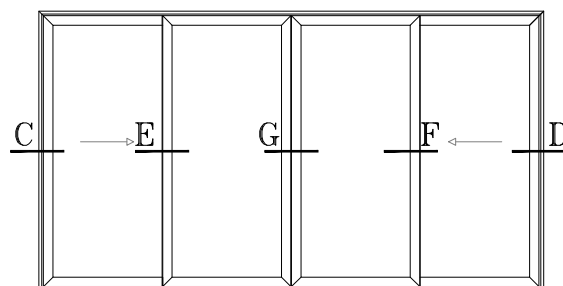
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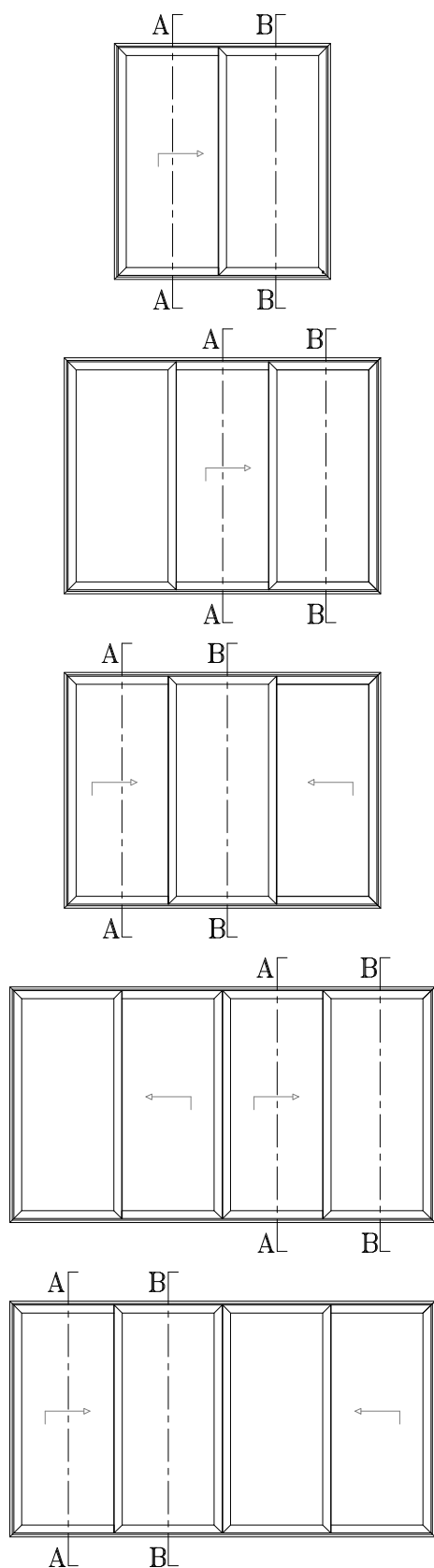
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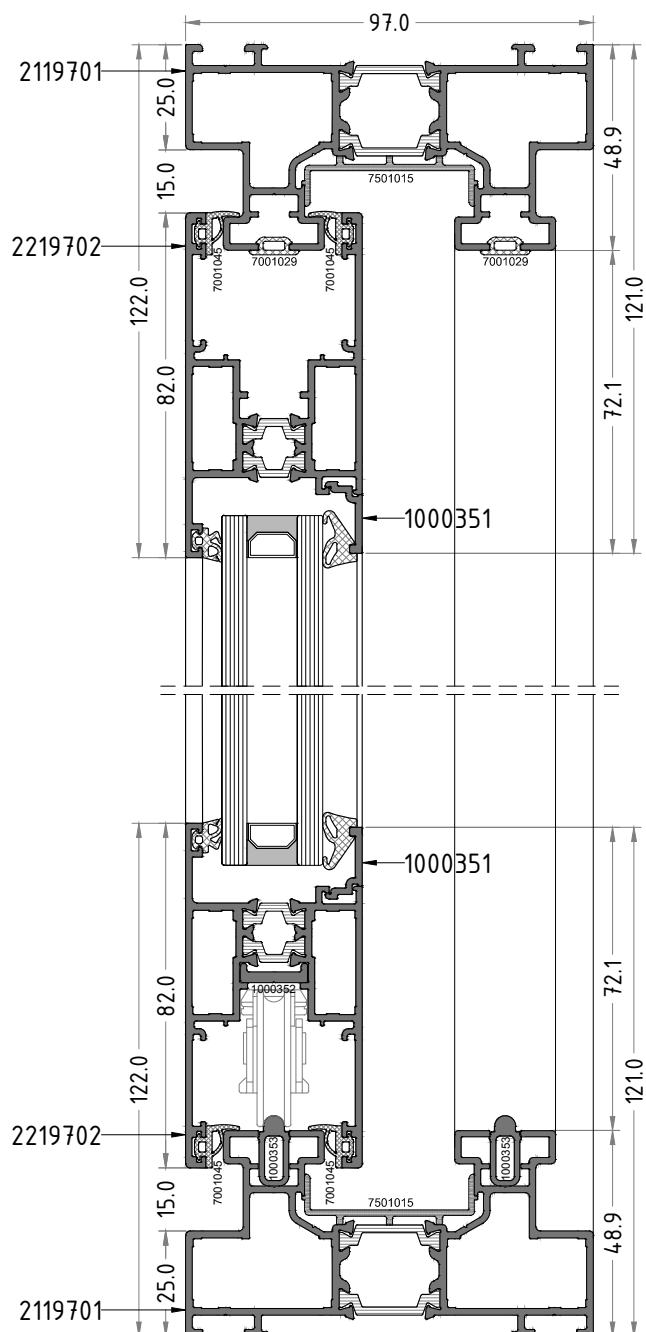
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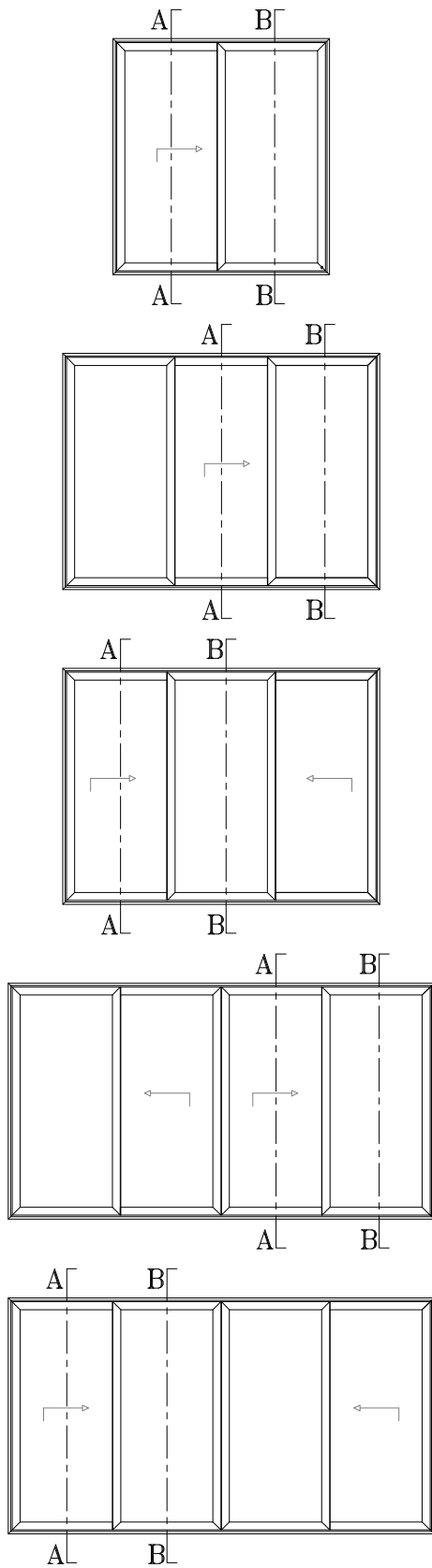


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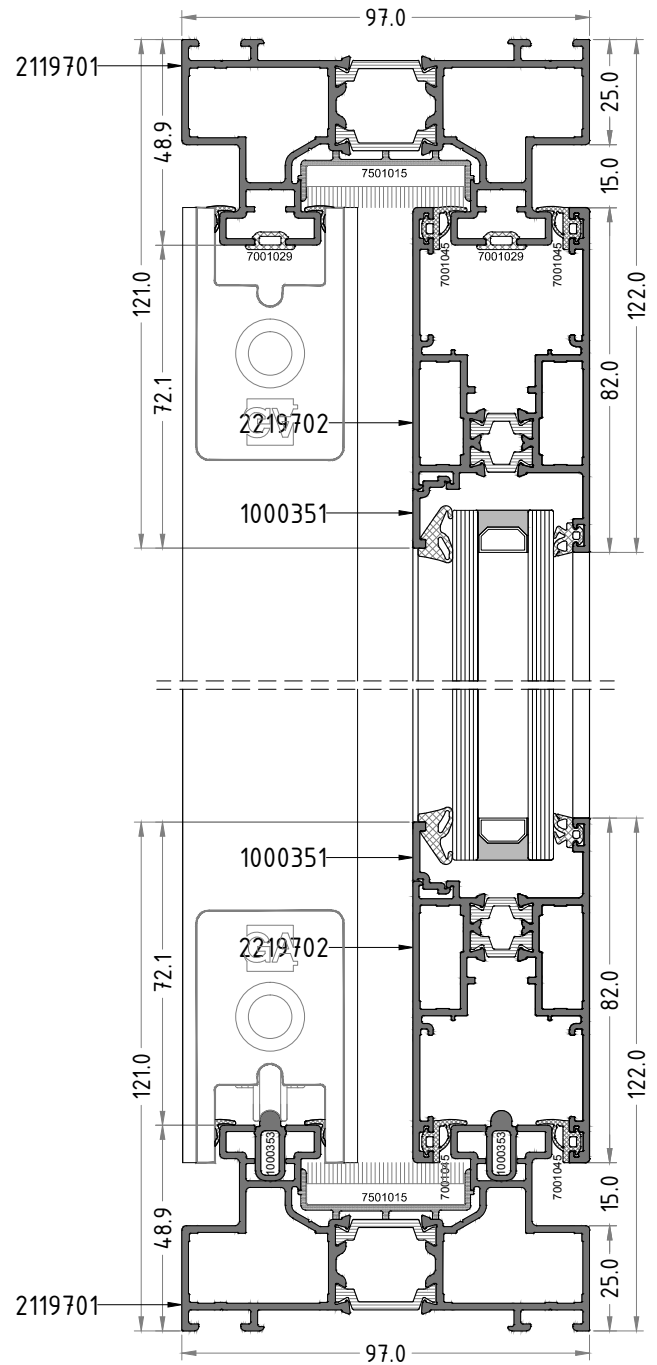


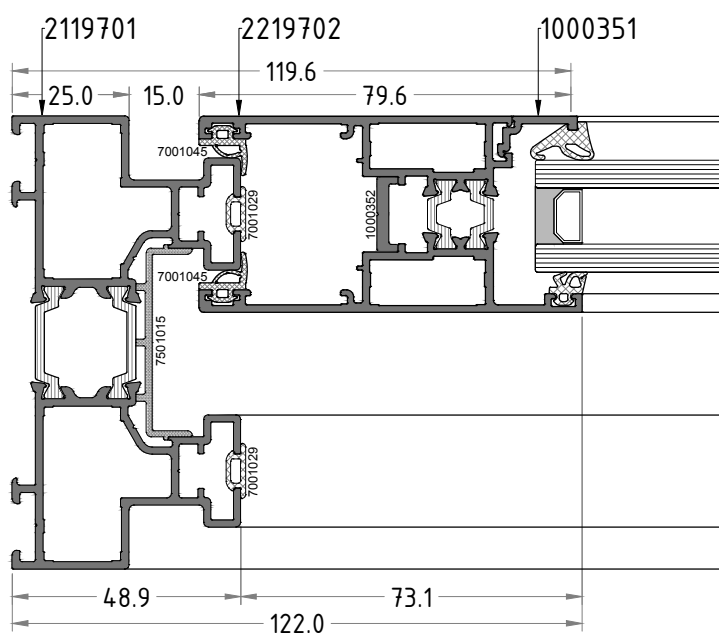
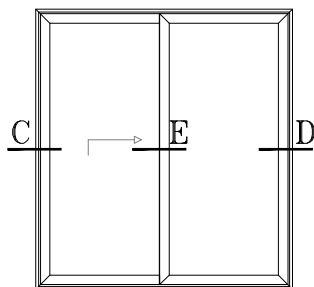
Section A-A



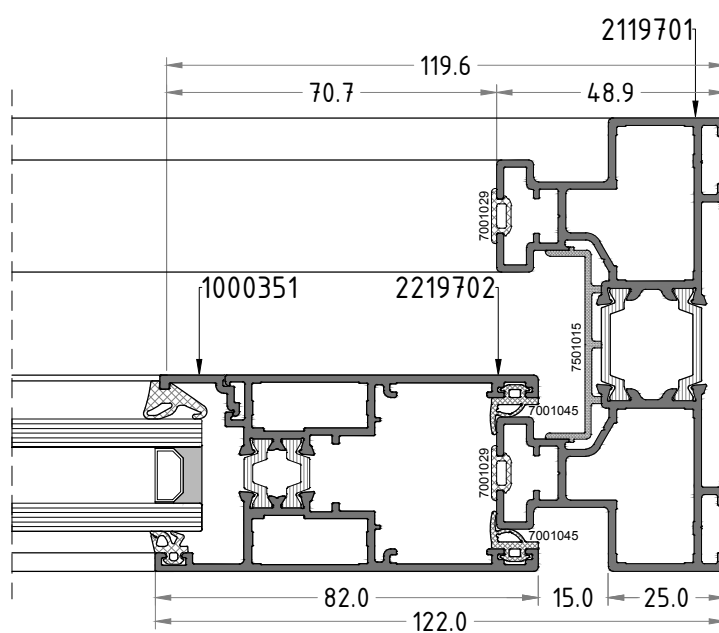


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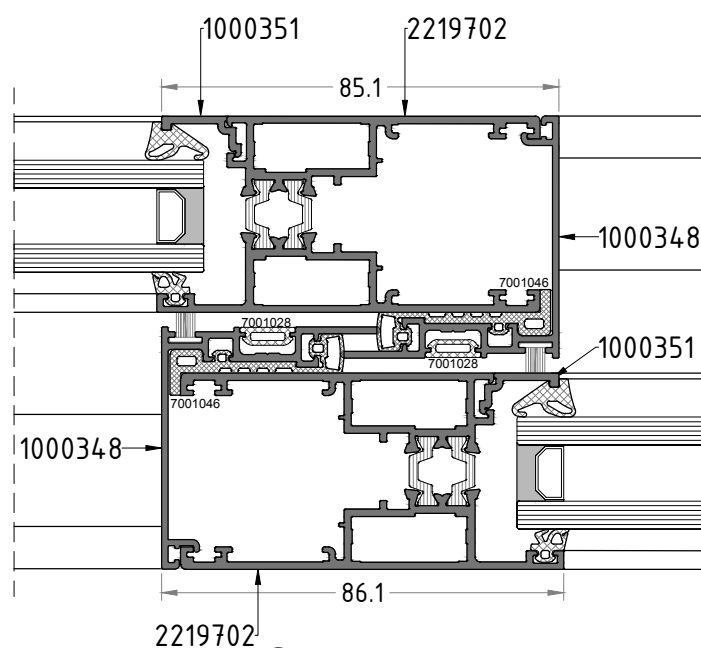
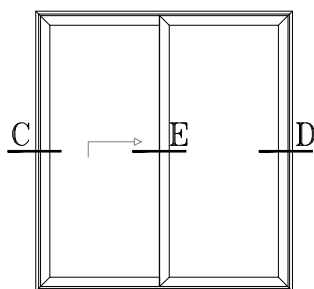




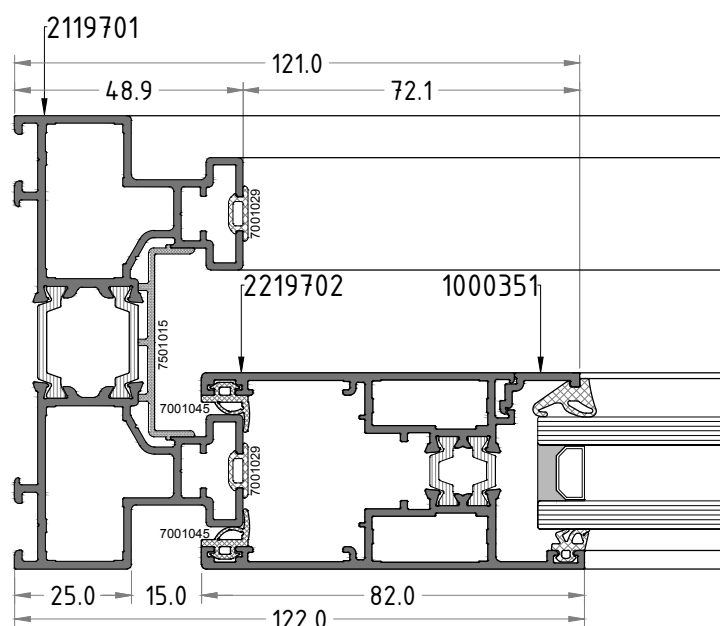
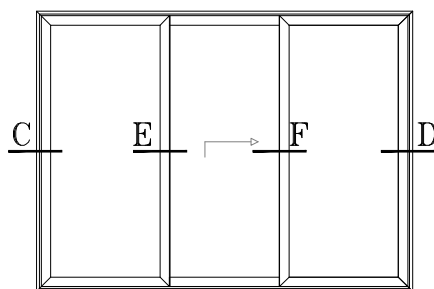
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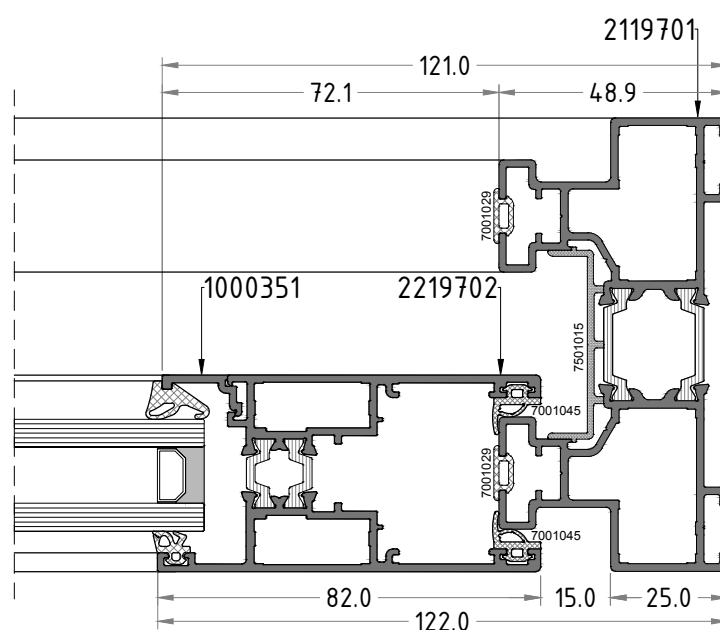
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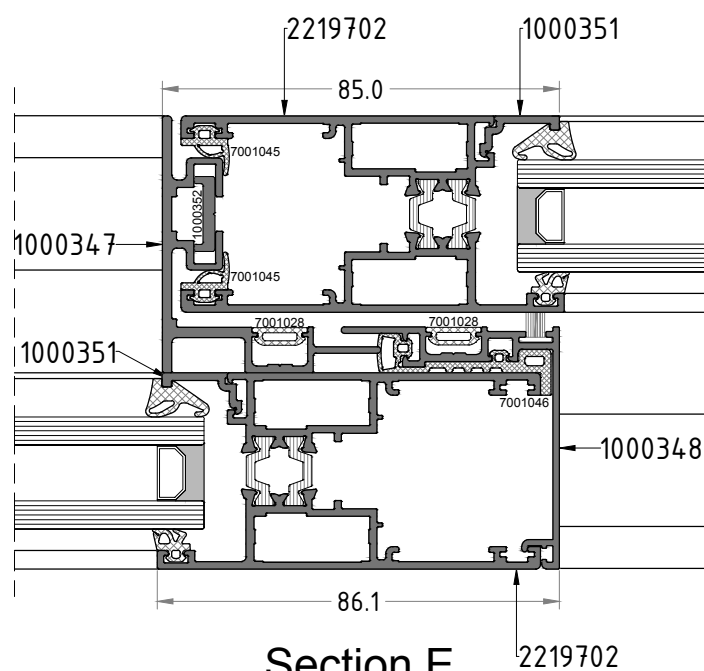
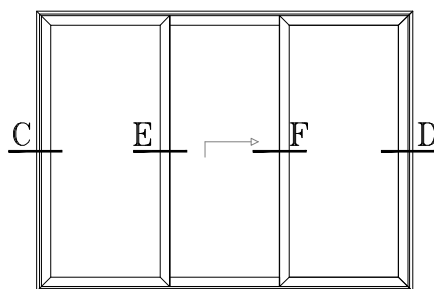
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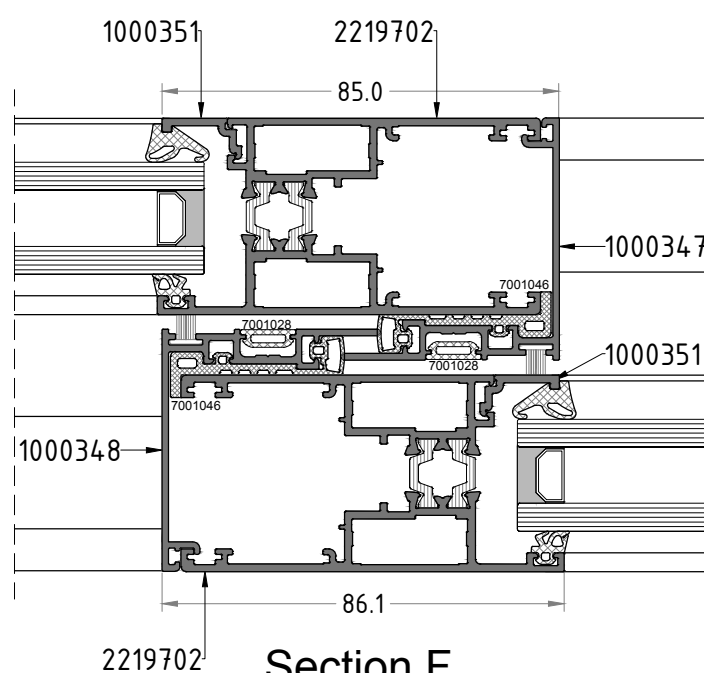
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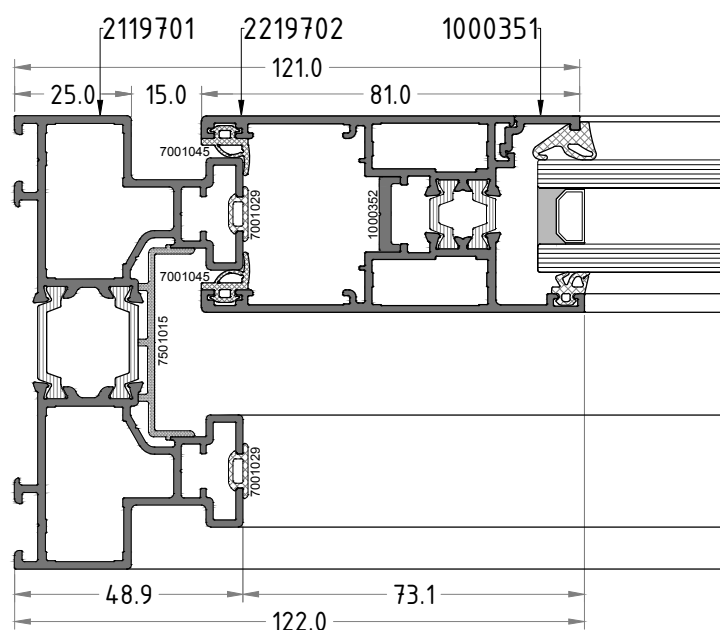
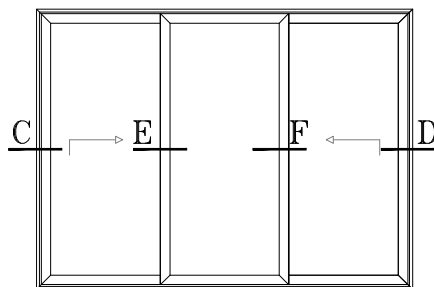
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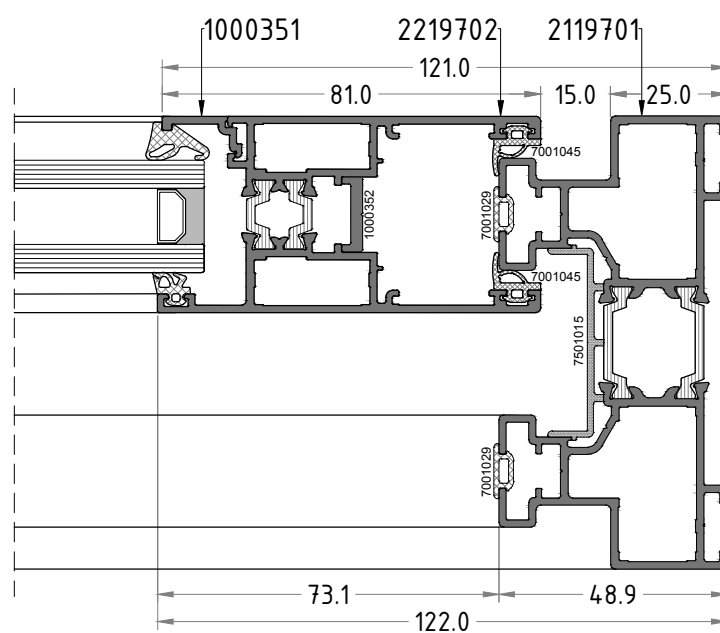
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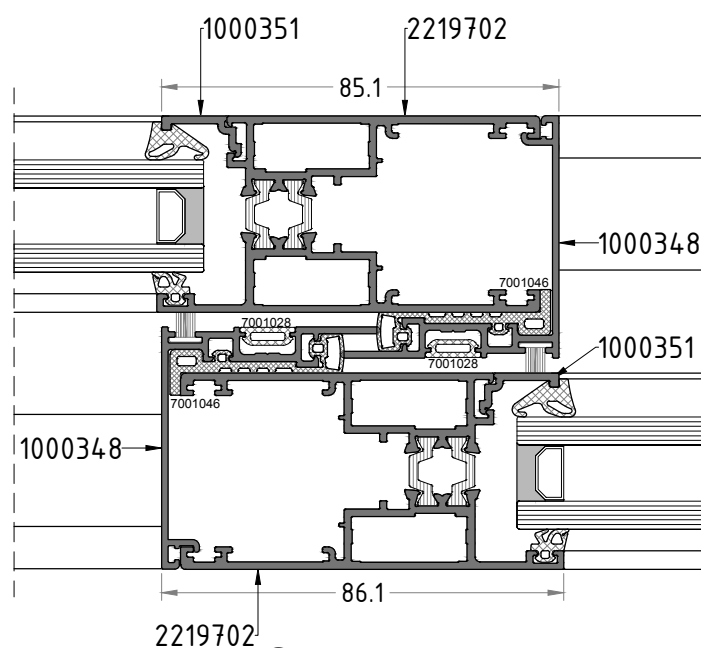
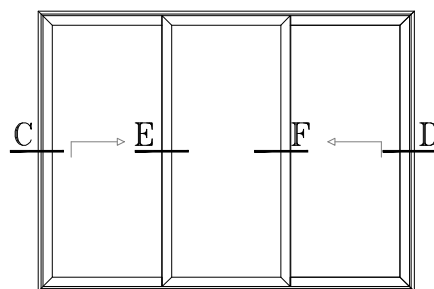
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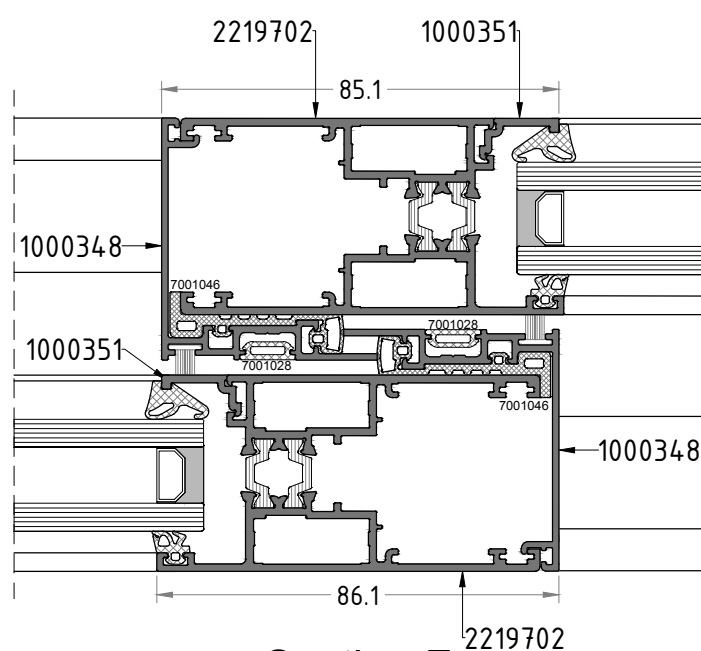
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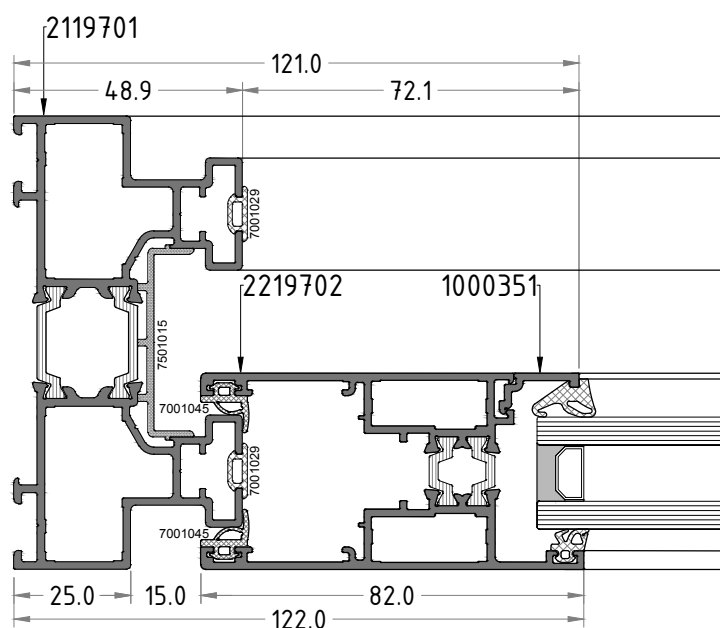
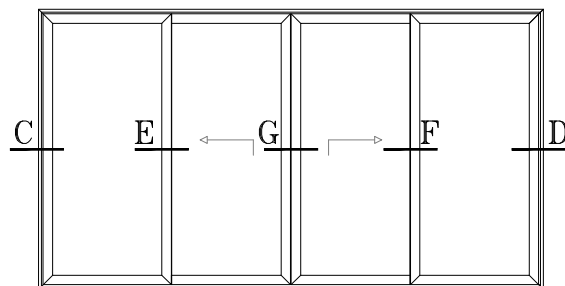
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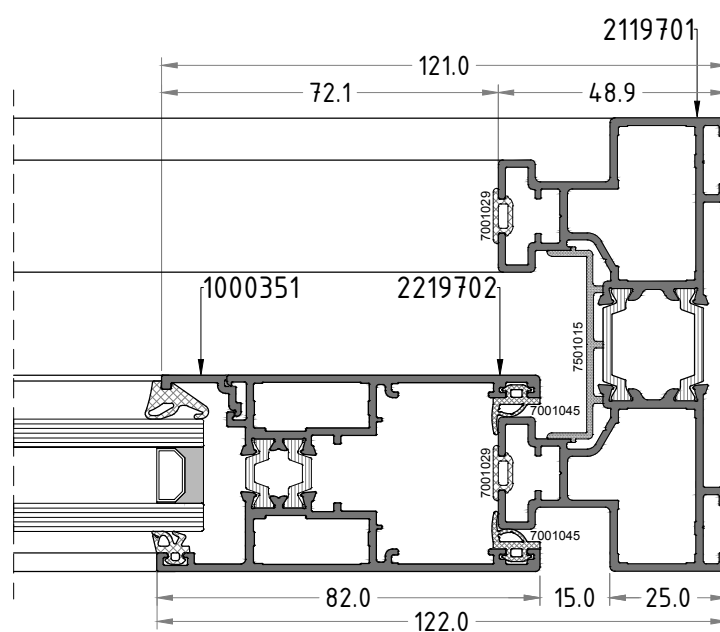
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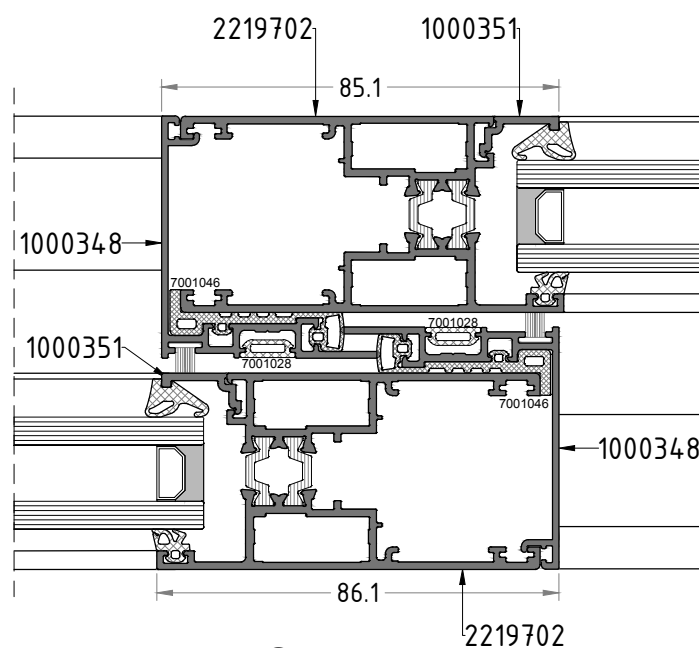
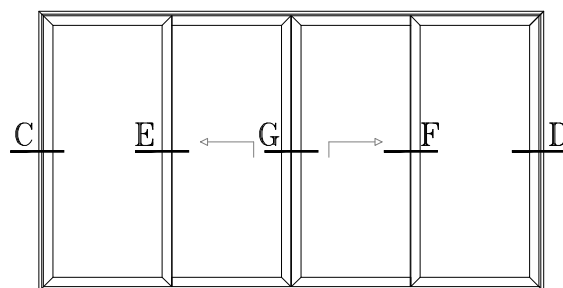
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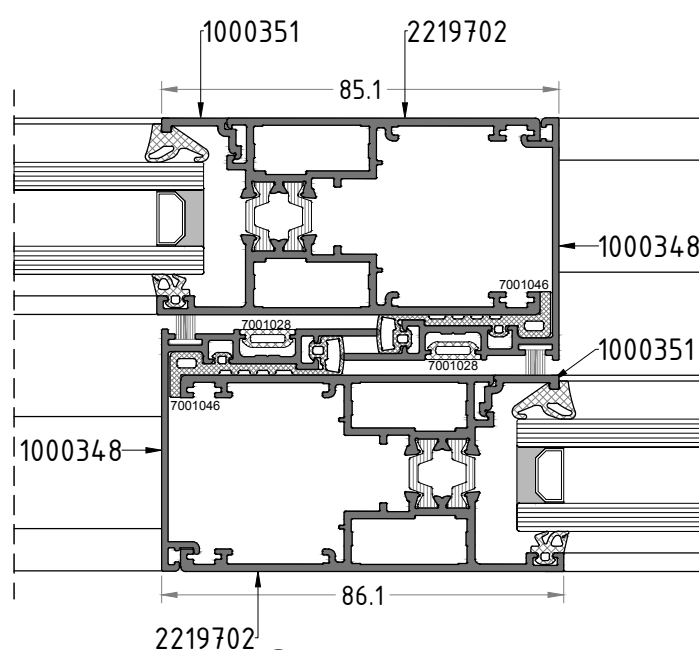
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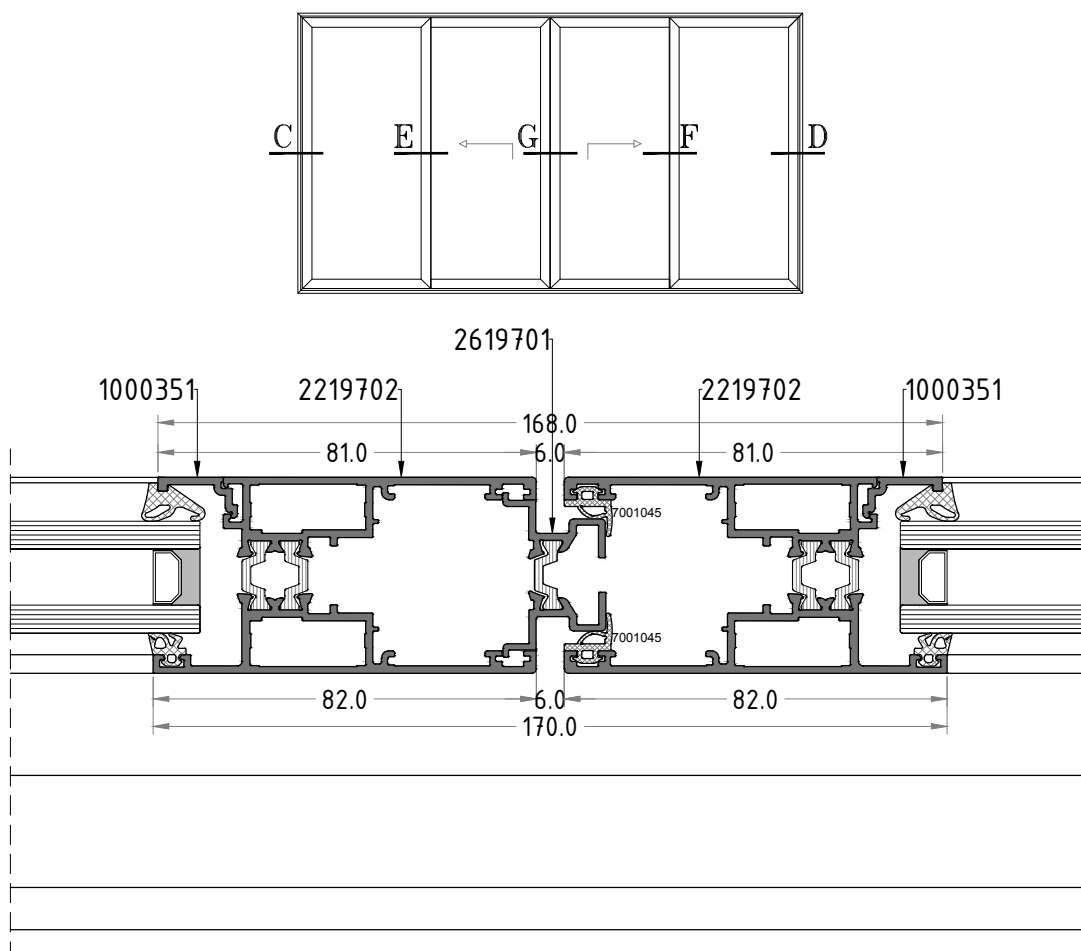
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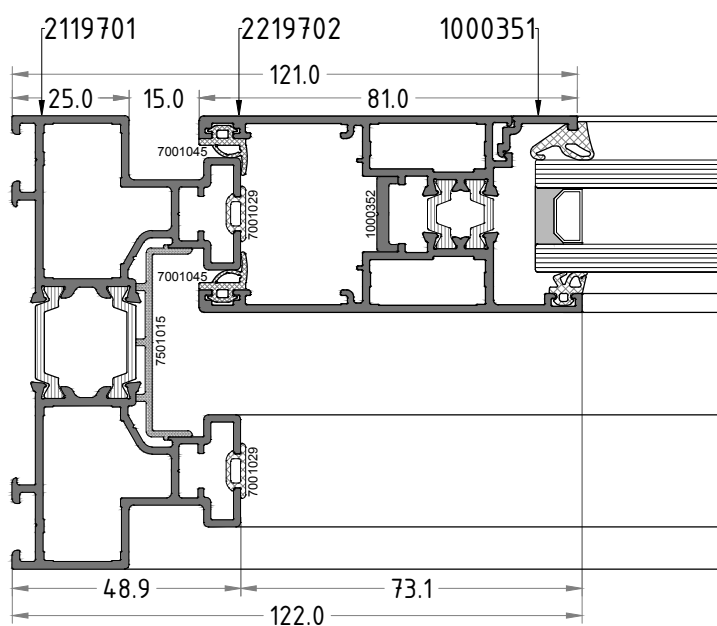
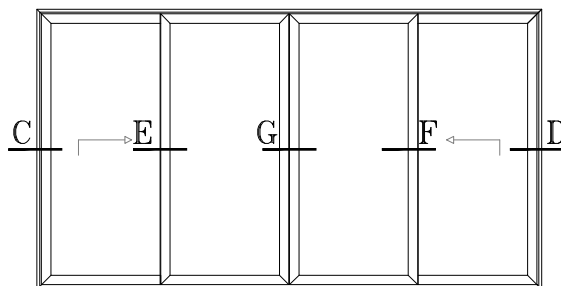
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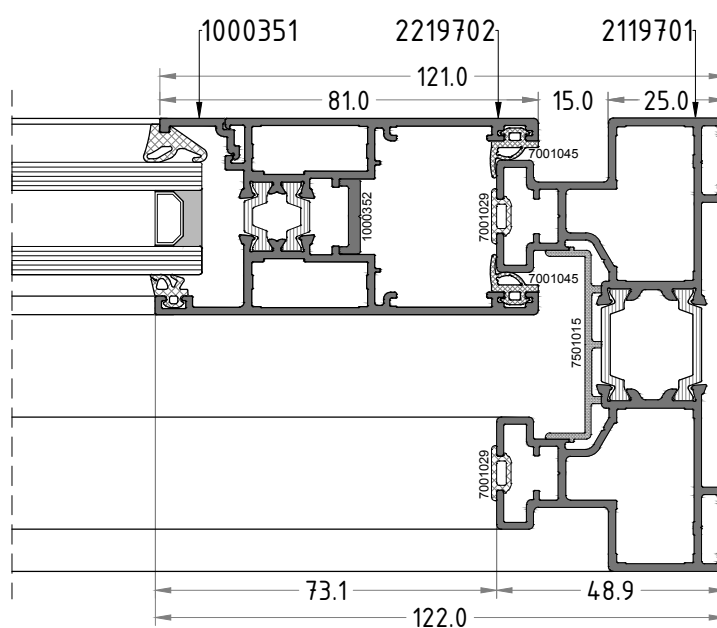
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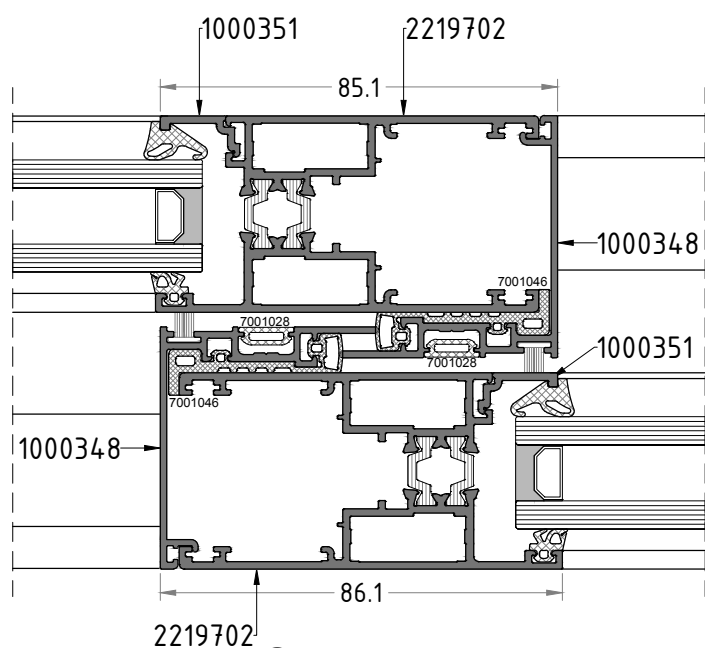
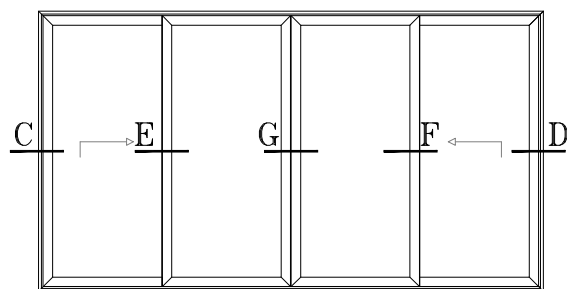
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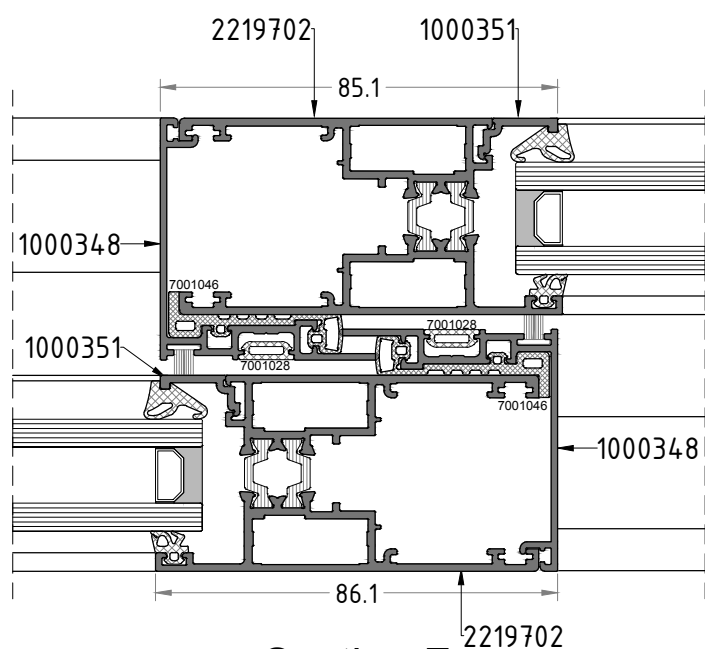
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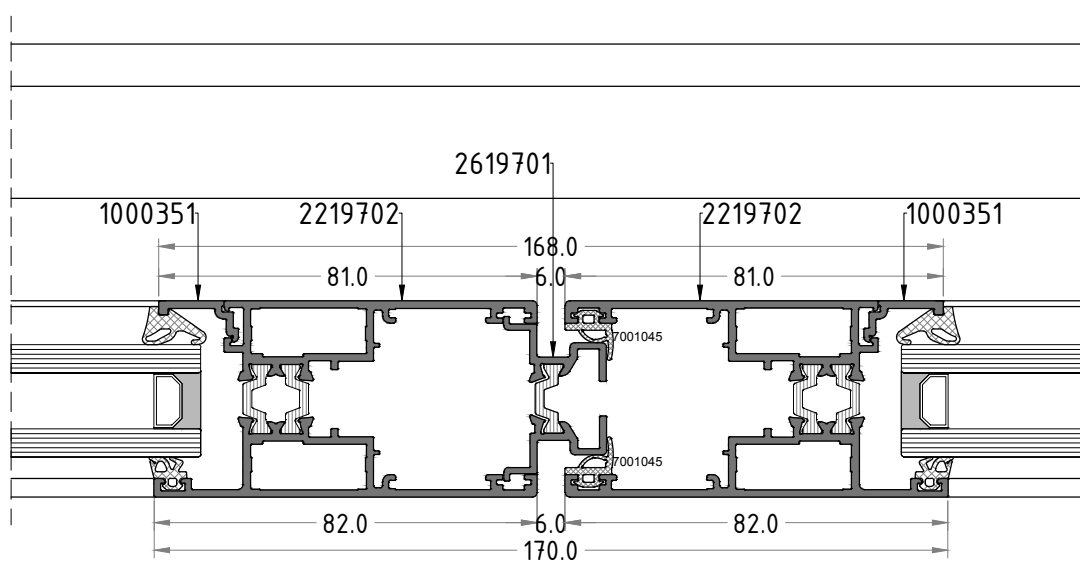
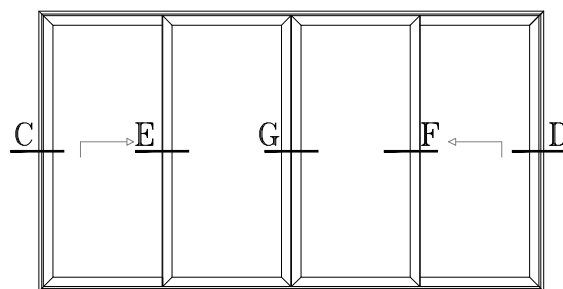
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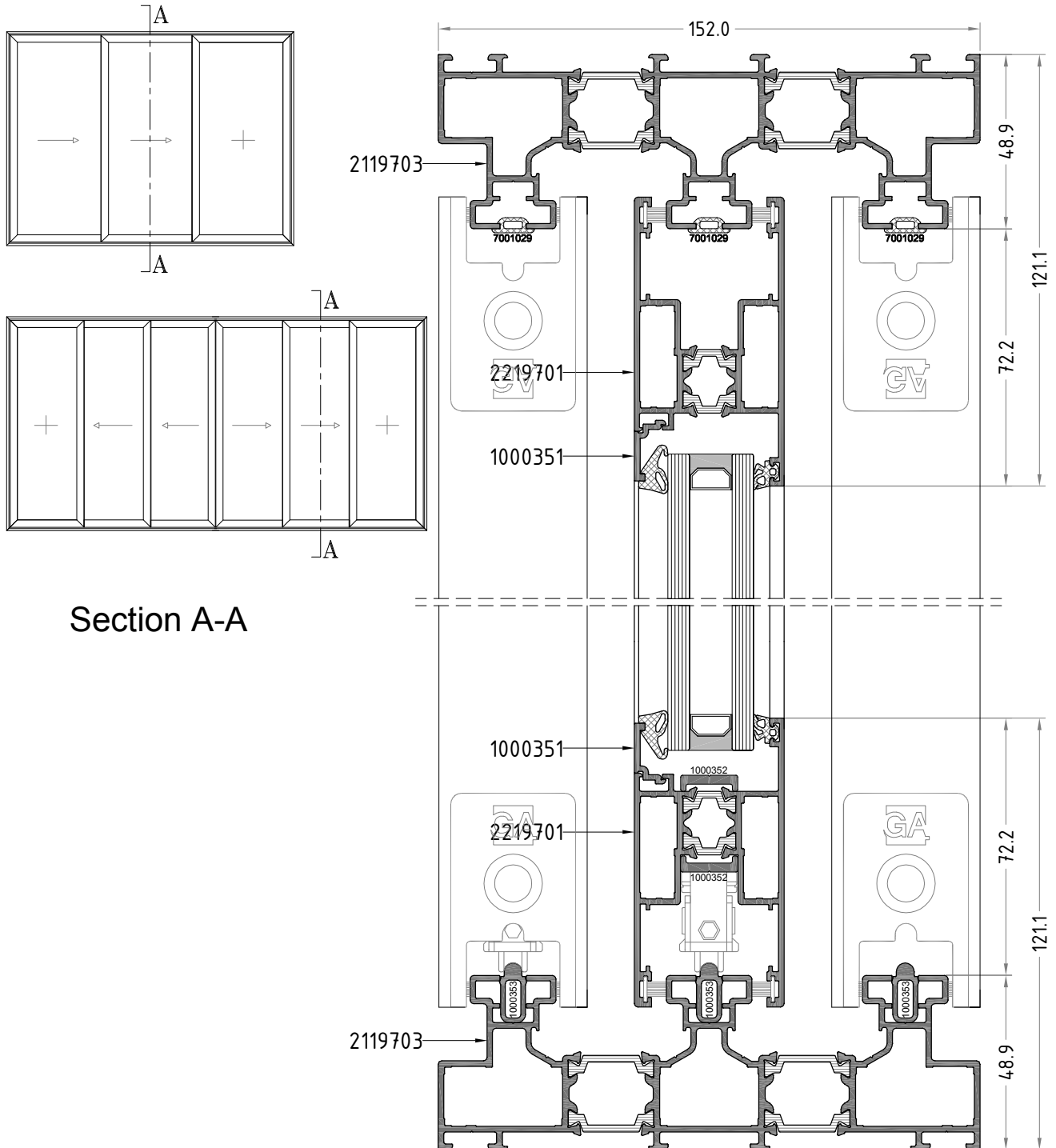
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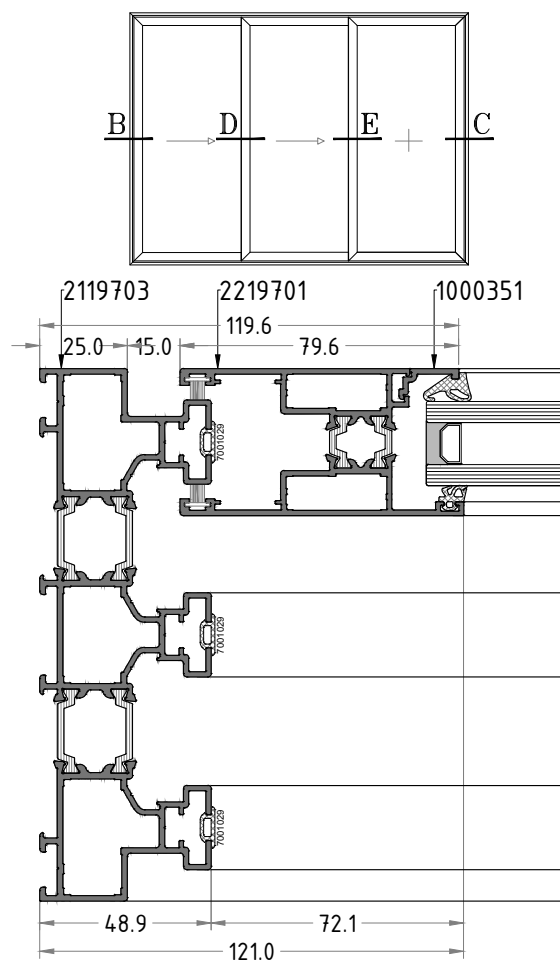


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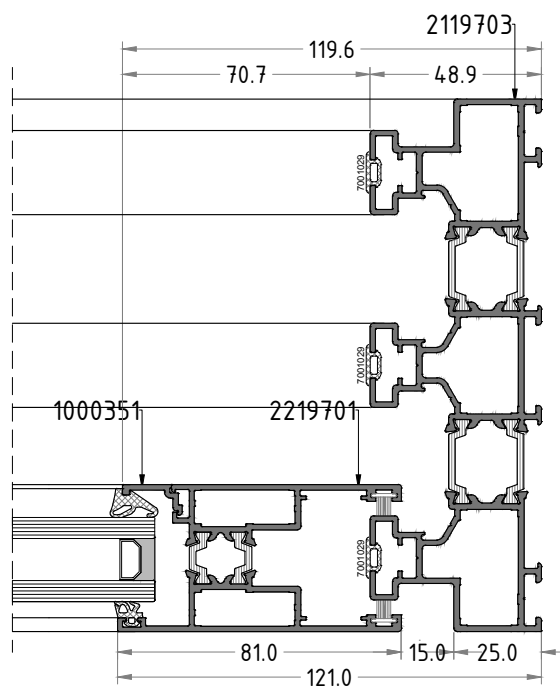


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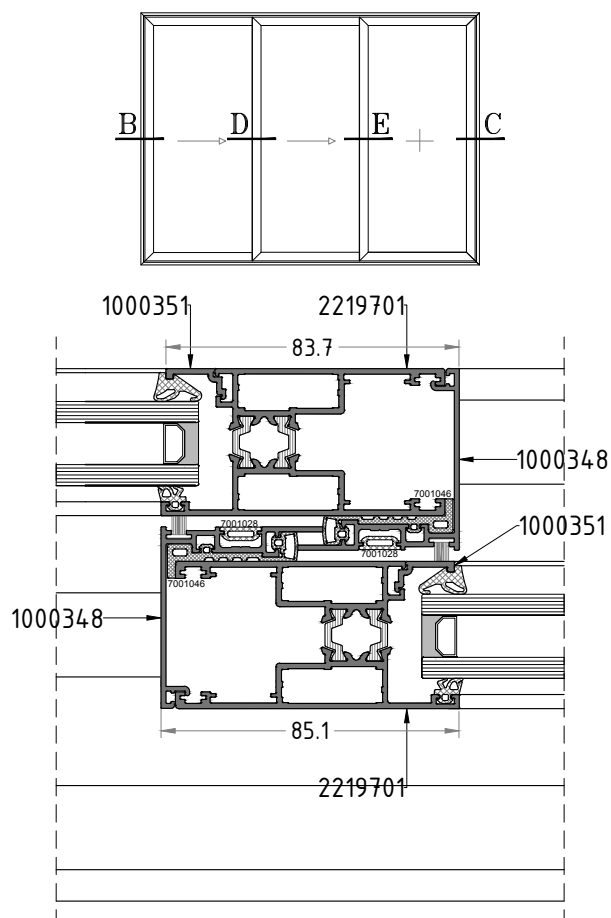




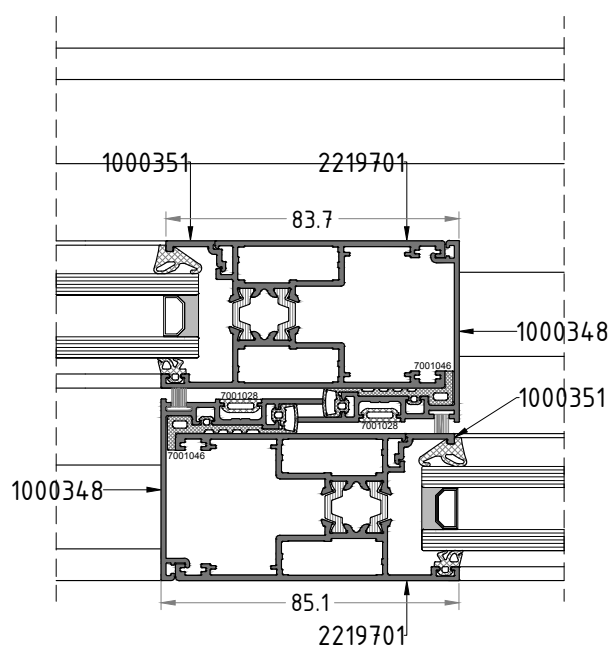
Section B



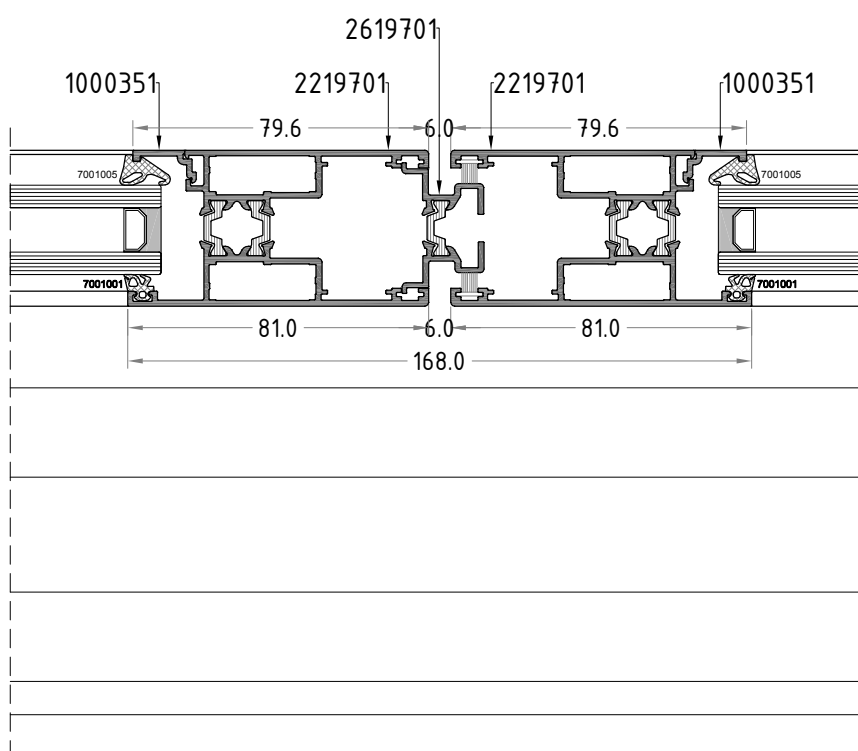
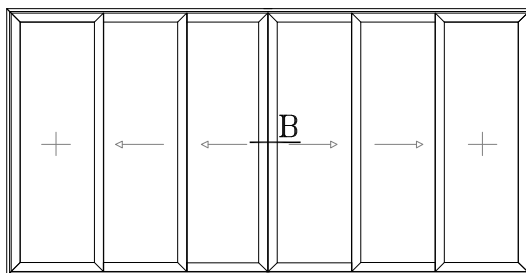
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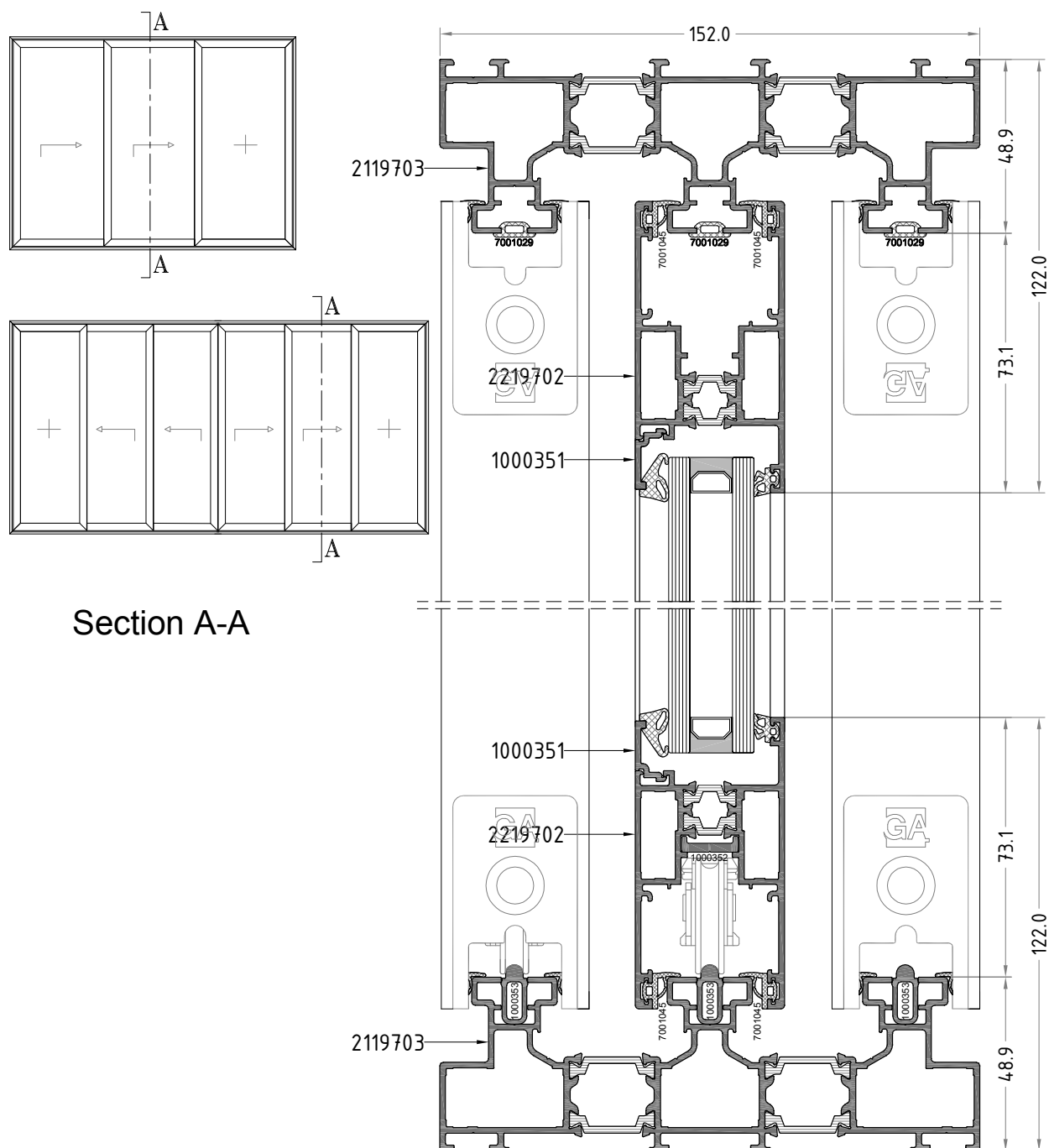
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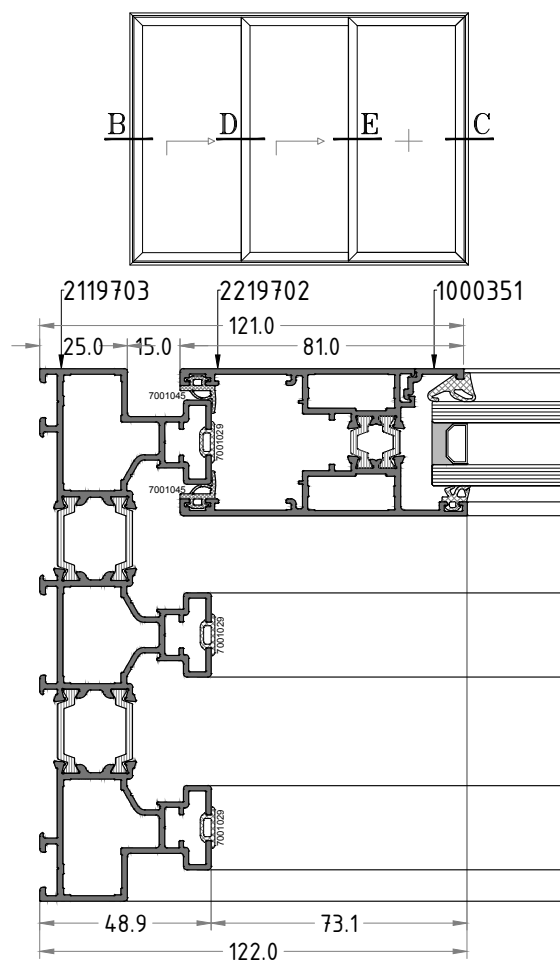
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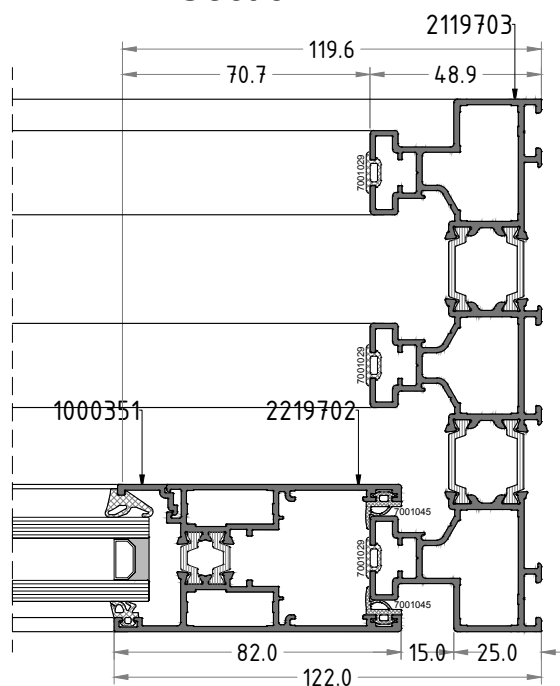
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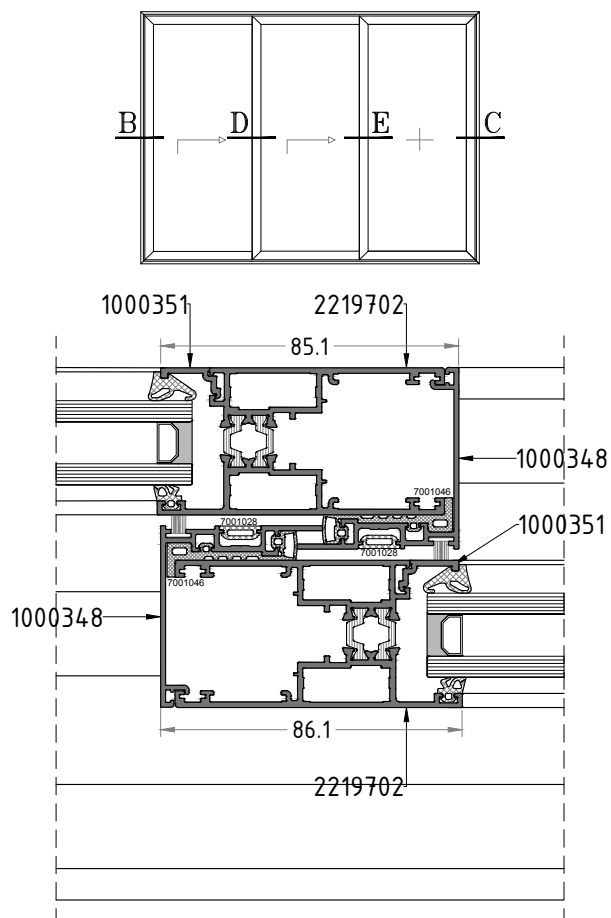
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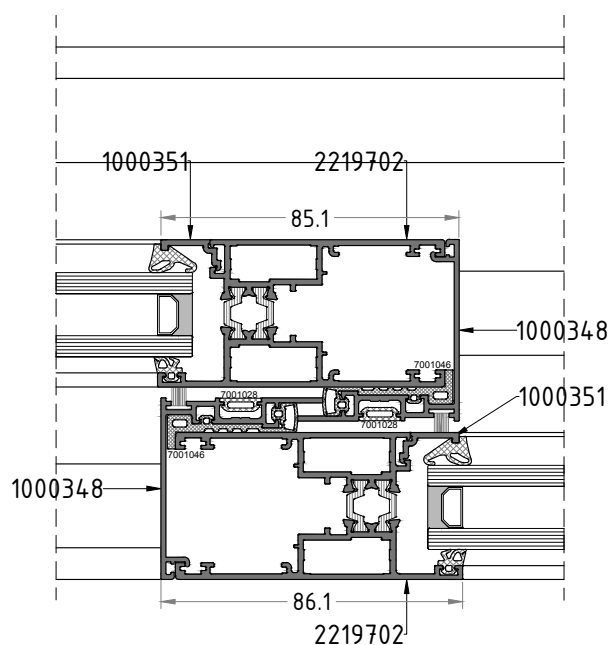
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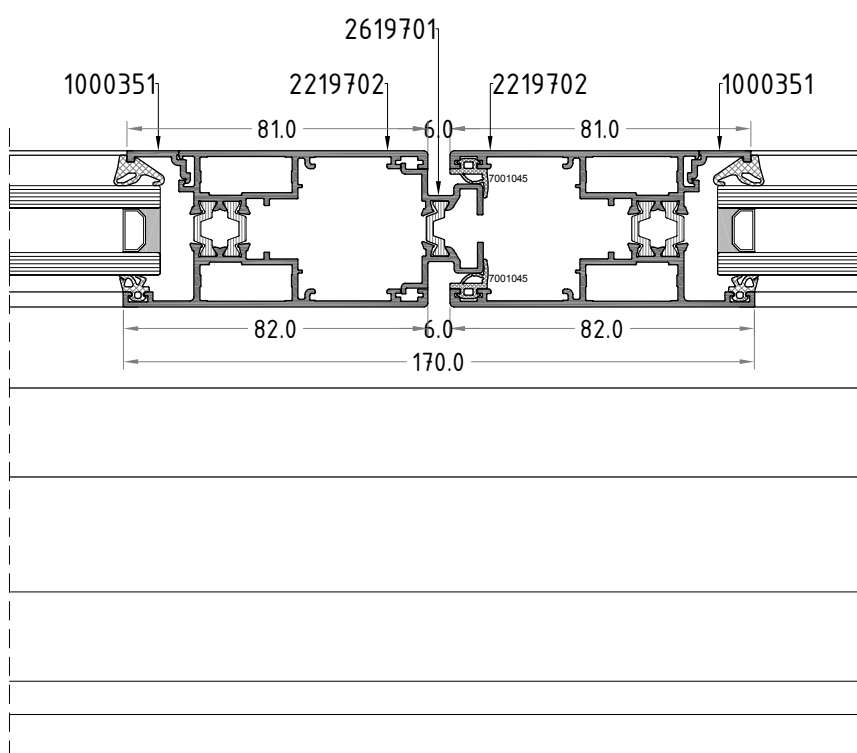
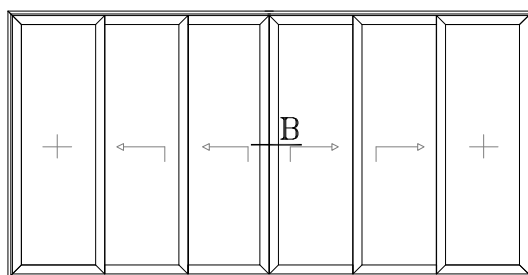
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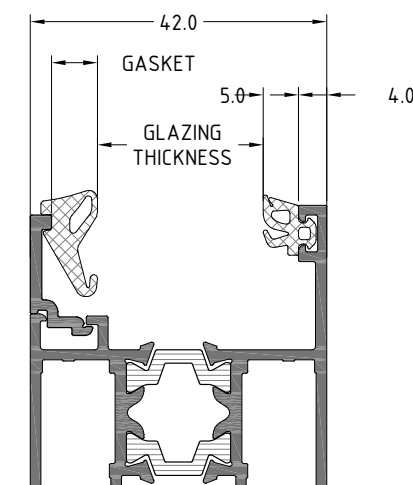
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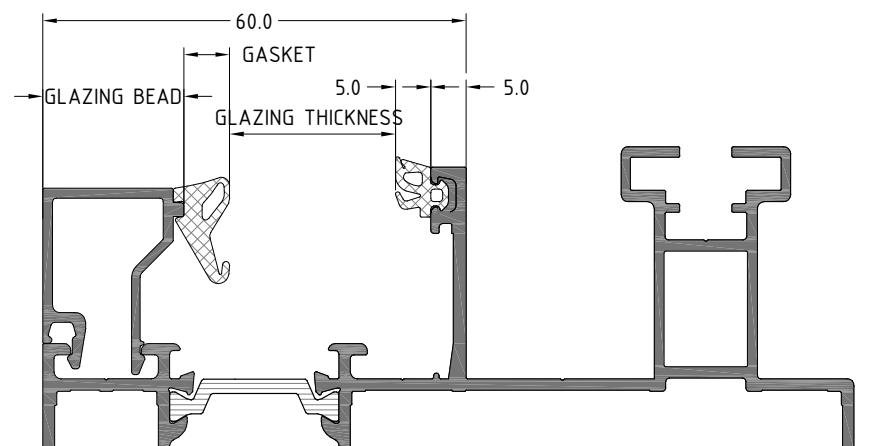
Section E



Section B



GLAZING THICKNESS	OUTER GLAZING GASKET	INNER GLAZING GASKET	INNER GLAZING GASKET TICK.	GLAZING BEAD PROFILE	GLAZING BEAD DEPTH
22mm.	7001001	7001002	8mm.	1000351	3mm.
24mm.	7001001	7001005	6mm.	1000351	3mm.
26mm.	7001001	7001034	4mm.	1000351	3mm.



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.

