

**S-800**



**ENSATEC, S.L.**  
Pol. Ind. Lentiscares.  
Avda Lentiscares 4-6  
26370 NAVARRETE (LA RIOJA)  
Tel. 941 25 04 66  
Fax. 941 25 33 88

Certificado nº: 106800

## *Certificado de Ensayos*

*Emitido a*

**EMPRESA:** PERFILES VALENCIA, S.L.

**DIRECCIÓN:** CARRER DE LA POLSANA 1. P<sup>o</sup> IND. MONCADA 2. MONCADA. VALENCIA.

**PRODUCTO:** VENTANA DESLIZANTE HORIZONTAL DE DOS HOJAS DERECHA.  
DIMENSIONES: 1'200m x 1'200 m.  
SERIE: 800

**FECHA ENSAYO:** 11 de Marzo de 2003

### ENSAYO DE DETERMINACIÓN DEL AISLAMIENTO ACÚSTICO A RUIDO AÉREO.

UNE-EN ISO 140-3: 1994

UNE-EN ISO 140-3: 2000 ERRATUM

**RESULTADOS:**

**Ra= 31,5 dBa**

**Rw= 32 (-1 ; -3) dB**

Este documento no es válido sin el correspondiente informe de ensayos cuyo número coincide con el del certificado. En este informe de ensayos quedan recogidos los resultados obtenidos en cada ensayo.

Éstos sólo se refieren a la(s) muestra(s) analizada(s) por ENSATEC, S.L. en la fecha y producto arriba indicados, y pueden permitir una constancia en las prestaciones de la calidad de la producción.

Este certificado tiene una validez de un año a partir de la fecha de ensayo.



Logroño, 07 de Abril de 2004



**ENSATEC, S.L.**  
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Certificado nº: 106491

ACREDITACIÓN



## Certificado de Ensayos

Emitido a

**EMPRESA:** PERFILES VALENCIA, S.L.  
**DIRECCIÓN:** CARRER DE LA POLSANA 1. Pº IND. MONCADA 2. MONCADA. VALENCIA.  
**PRODUCTO:** VENTANA DESLIZANTE HORIZONTAL DE DOS HOJAS DERECHA.  
DIMENSIONES: 1'200m x 1'200 m.  
SERIE: 800  
**FECHA ENSAYO:** 19 de Diciembre de 2002

**ENSAYO DE PERMEABILIDAD AL AIRE** **UNE-EN 1026:2000**

**CLASIFICACIÓN:** **CLASE 3**

**ENSAYO DE ESTANQUIDAD AL AGUA** **UNE-EN 1027:2000**

**CLASIFICACIÓN:** **CLASE 5A**

**ENSAYO DE RESISTENCIA AL VIENTO** **UNE-EN 12211:2000**

**CLASIFICACIÓN:** **CLASE C3**

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Este certificado tiene una validez de un año a partir de la fecha de ensayo.

Datos cedidos a Perfiles Valencia, S.L., bajo autorización por escrito de Aluman, S.L.



Logroño, 07 de Abril de 2004



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Tel. 941 25 04 66  
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Certificado nº: 110498

## Certificado de Ensayos

Emitido a

**EMPRESA:** PERFILES VALENCIA, S.L.

**DIRECCIÓN:** CARRER DE LA POLSANA 1. Pº IND. MONCADA 2. MONCADA. VALENCIA.

**PRODUCTO:** VENTANA DESLIZANTE HORIZONTAL DE DOS HOJAS DERECHA.  
DIMENSIONES: 1'200m x 2,200 m.  
SERIE: 800

**FECHA ENSAYO:** 10 de Junio de 2003

**ENSAYO DE COEFICIENTE DE TRANSMISIÓN TÉRMICA "K"**

UNE-EN ISO 12567-1: 2002

**RESULTADOS:** K= 2,5 W/ M<sup>2</sup>. °C  
K= 2,1 Kcal/ h·m<sup>2</sup>·°C

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Este certificado tiene una validez de un año a partir de la fecha de ensayo.

Servicios  
ENSATEC  
Firma y Sello  
Técnicos

Logroño, 07 de Abril de 2004

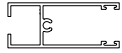
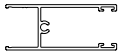

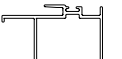
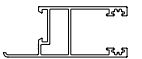
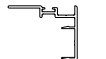
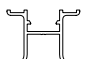





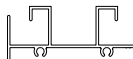


CODIGO	FIGURA	DESCRIPCION	PESO (kg/mt)	PERIMETRO (cm)			N° CARAS	Jx mm <sup>4</sup>	Jy mm <sup>4</sup>
				EXT.	INT.	TOTAL			
01003		GUIA PERSIANA PALA 120mm.	0.947	43.2	9.9	53.2	1	54836	443832
01004		GUIA PERSIANA PALA 120mm.	0.947	43.2	9.9	53.2	1	63809	482212
01036		DOBLE GUIA PERSIANA	1.005	43.3	16.8	60.2	2	33385	391321
1060		ESQUINERO 90°	1.809	44.9	30	74.9	2	744714	744714
01071		GUIA PERSIANA PALA 120mm. CON RECOGEDOR	1.188	54	10.2	64.3	1	102040	861655
1073		SOLAPE SUPERIOR	0.200	---	---	12	1	730	9160
2804		ESQUINERO REGULABLE MACHO	1.108	41.7	10.9	52.6	2	156077	346528
2805		ESQUINERO REGULABLE HEMBRA	1.050	39.1	11.1	50.2	2	110706	318691
2980	ZOCALO	1.274	47.8	17.5	65.3	2	54591	592875	
3454		MARCO INFERIOR 3 CARRILES	2.309	58.6	28.7	87.3	2	120843	988262
3455		MARCO LATERAL 3 CARRILES	1.543	55	8.2	63.2	2	37718	886285
3610		HOJA CIERRE MULTIPUNTO CRISTAL SIMPLE	1.027	42	9.9	51.9	2	56215	184710
3828		HOJA LATERAL e: 1.3mm.	0.799	32.4	9.7	42.1	2	103749	41537



CODIGO	FIGURA	DESCRIPCION	PESO (kg/mt)	PERIMETRO (cm)			N° CARAS	Jx mm <sup>4</sup>	Jy mm <sup>4</sup>
				EXT.	INT.	TOTAL			
3829		HOJA CENTRAL e: 1.3mm.	0.775	29.6	12.7	42.3	2	92989	48078
3830		HOJA LATERAL e: 1.3mm. DOBLE CRISTAL	0.756	30	9.7	39.7	2	87368	40479
3831		HOJA CENTRAL e: 1.3mm. DOBLE CRISTAL	0.732	27.2	12.8	40	2	78393	46889
10510		SUPLEMENTO MOSQUITERA	0.221	---	---	9.3	1	171	9505
23100		PREMARCO DE 50mm. ESPESOR 1.1 mm	0.373	14	10.9	24.9	-	7997	33947
72014		PREMARCO DE 50mm. ESPESOR 1.25 mm	0.424	14.1	10.9	25	-	9242	38778
72016		PREMARCO DE 50mm. ESPESOR 1.2 mm	0.468	19.5	9.9	29.4	-	6961	42770
75008		ANGULO SOLAPE 40 mm.	0.401	---	---	25.2	1	12052	104754
80001		MARCO SUPERIOR	1.180	---	---	56.2	2	60595	277366
80002		MARCO INFERIOR	1.282	41.7	20	61.8	2	67303	251834
80003		MARCO LATERAL	0.957	40.4	8.8	49.2	2	27553	260424
80004		HOJA LATERAL	0.893	32.7	9.9	42.6	2	47803	115211
80005		HOJA CENTRAL	0.862	29.6	12.7	42.3	2	53881	103648



CODIGO	FIGURA	DESCRIPCION	PESO (kg/mt)	PERIMETRO (cm)			N° CARAS	Jx mm <sup>4</sup>	Jy mm <sup>4</sup>
				EXT.	INT.	TOTAL			
80006		HOJA DE RUEDAS	0.773	---	---	36.2	2	31362	96331
80007		HOJA DE RUEDAS DOBLE CRISTAL	0.666	---	---	33.8	2	28748	74260
80008		HOJA LATERAL DOBLE CRISTAL	0.840	30	9.9	40	2	45720	96374
80009		HOJA CENTRAL DOBLE CRISTAL	0.793	26.5	12.7	39.2	2	51069	85026
80010		HOJA PERIMETRAL AJUNQUILLADA	0.757	31.9	8.1	40	2	34564	93027
80011		SUPLEMENTO HOJA CENTRAL	0.329	---	---	19.6	2	5031	23063
80012		PERFIL REFUERZO	0.852	22.2	11.4	33.6	3	59657	48491
80013		GRAPA PERFIL REFUERZO	0.132	---	---	7.4	-	506	1507
80014		HOJA CENTRAL REFORZADA	1.089	29.4	19.4	48.8	3	60874	161453
80015		HOJA CIERRE MULTIPUNTO CRISTAL DOBLE	0.981	39.6	9.9	49.6	2	54914	159834
80016		ZOCALO DOBLE CRISTAL	1.253	45.4	17.4	62.8	2	54359	557882
80017		JUNQUILLO CRISTAL NORMAL	0.207	---	---	11.8	1	3184	4614
80101		MARCO SUPERIOR	1.021	---	---	53.4	2	47961	252734






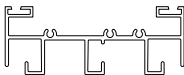
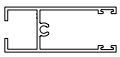
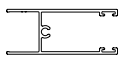


CODIGO	FIGURA	DESCRIPCION	PESO (kg/mt)	PERIMETRO (cm)			N° CARAS	Jx mm <sup>4</sup>	Jy mm <sup>4</sup>
				EXT.	INT.	TOTAL			
80102		MARCO INFERIOR	1.050	----	----	54.9	2	53980	214485
80103		MARCO LATERAL	0.881	----	----	45.4	2	23457	217955
80104		MARCO INFERIOR	1.188	41.8	20	61.8	2	65118	230255
80105		MARCO FIJO	0.776	----	----	39.2	3	21678	192097
80106		ANGULO SOLAPE	0.399	----	----	24.9	1	12413	103908
94103		TRAVESAÑO VENTANA CAMARA DE 11	0.747	31.8	9.8	41.5	2	50631	56547
94301		JUNQUILLO 12 mm	0.225	----	----	16.4	2	4968	6272
94302		JUNQUILLO 18 mm	0.218	----	----	15	2	3403	4989
94303		JUNQUILLO 22 mm	0.198	----	----	14.4	2	2158	4913
94305		JUNQUILLO 23mm. PARA 80010	0.123	----	----	5.9	1	176	1720
94407		SOLAPE	0.259	----	----	14.4	1	1056	13145
700010		SOLAPE	0.194	----	----	12.2	1	268	15205
700052		ANGULO SOLAPE	0.518	----	----	25.1	1	776	6616



CODIGO	FIGURA	DESCRIPCION	PESO (kg/mt)	PERIMETRO (cm)			N° CARAS	Jx mm <sup>4</sup>	Jy mm <sup>4</sup>
				EXT.	INT.	TOTAL			
700083		FIJO MARCO 3 CARRILES	1.321	34.9	28.7	63.6	3	50098	443865
700101		SOLAPE 33 MM	0.199	---	---	11.7	1	626	11977
700102		SOLAPE 43 MM	0.234	---	---	14	1	745	22351
700103		SOLAPE 60 MM	0.332	---	---	17.2	1	977	54828
700104		SOLAPE 87 MM	0.441	---	---	22.8	1	1133	141429
700107		SOLAPE DE 33 MM	0.197	---	---	10.6	1	450	9895
700108		SOLAPE CURVO	0.428	---	---	21.4	1	3631	67310
800008		MARCO FIJO SIN CLIP	0.931	---	---	47.7	3	42156	195927
800009		MARCO FIJO CON CLIP	0.618	---	---	32.5	3	16904	123324
800031		MARCO LATERAL IZQUIERDO MONOBLOCK 140 mm.	1.528	---	---	77.1	2	155395	1518292
800032		MARCO LATERAL DERECHO MONOBLOCK 140 mm.	1.528	---	---	77.1	2	153333	1612452
800100		UNION DE MARCOS	0.502	---	---	25.7	2	3458	163477
800447		ALARGADERA	0.335	---	---	17.1	1	126	66405

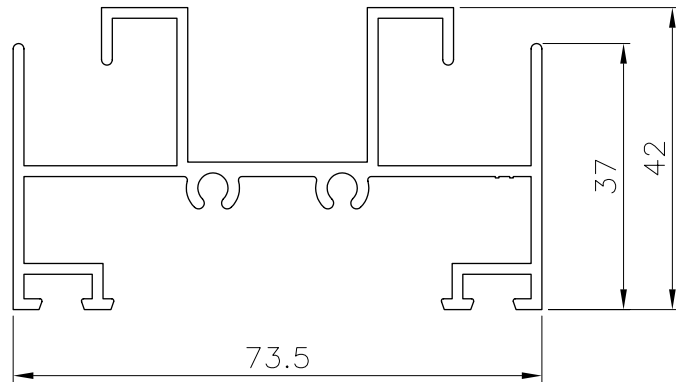


CODIGO	FIGURA	DESCRIPCION	PESO (kg/mt)	PERIMETRO (cm)			N° CARAS	Jx mm <sup>4</sup>	Jy mm <sup>4</sup>
				EXT.	INT.	TOTAL			
800495		DIVISOR CRISTAL DOBLE	0.487	----	----	26.4	2	29238	20334
800727		PERFIL 4 HOJAS	0.315	----	----	18.6	1	4697	6421
900320		SOLAPE CON CLIP DE 30mm	0.197	----	----	12.4	1	818	8066
900422		DIVISOR CRISTAL SIMPLE	0.680	----	----	31.3	2	26054	57311
900430		SOLAPE CON CLIP DE 60mm	0.311	----	----	18.8	1	1097	46238
900578		MARCO SUPERIOR 3 CARRILES	1.992	----	----	74.5	2	93412	1015048
900926		HOJA DE RUEDAS e: 1.3mm	0.678	----	----	36.2	2	87106	28173
900927		HOJA DE RUEDAS e: 1.3mm DOBLE CRISTAL	0.635	----	----	33.8	2	73291	27114

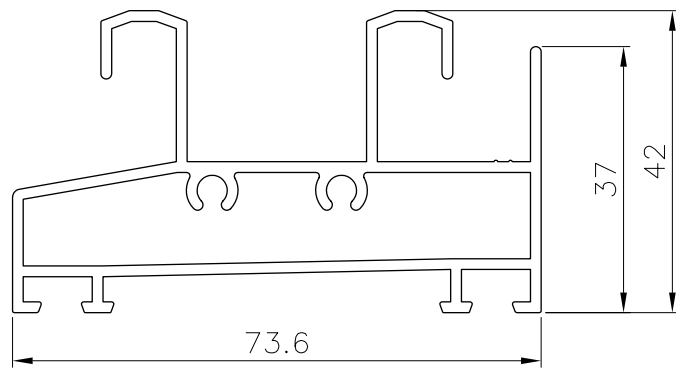


CODIGO	FIGURA	DESCRIPCION	CODIGO	FIGURA	DESCRIPCION
00.00.01		PASACINTAS MONOBLOCK	80.02.02		JUEGO ASA TIRADOR
03.07.05		BURLETE 7x5	23.02.03		ESCUADRA PREMARCO 72014
F3.07.05		BURLETE 7x5 FIN-SEALE	80.03.03		GOMA HOJA LATERAL FLEXIBAND 4x25
80.01.10		BOLSA ACCESORIOS S-800 + CIERRES ALUMINIO	80.10.01		TROQUEL MANUAL-PRENSA S/800
80.01.11		JUEGO JUNTAS MARCOS	80.10.02		TROQUEL NEUMATICO S/800
80.01.12		JUEGO 4 PRESILLAS Y 2 TAPAS	80.10.07		TROQUEL MANUAL-PRENSA CIERRE EMBUTIDO S/800
80.01.13		JUEGO CORTAVIENTOS	80.10.08		TROQUEL NEUMATICO CIERRE EMBUTIDO S/800
80.01.14		VALVULA DESAGÜE MARCO INFERIOR	80.10.09		TROQUEL MANUAL-PRENSA MARCOS 3 CARRILES S/800
80.01.15		RUEDA REGULABLE	80.10.10		TROQUEL NEUMATICO MARCOS 3 CARRILES S/800
80.01.30		BOLSA ACCESORIOS S-800 3 CARRILES+ C. ALUMINIO	80.10.11		TROQUEL MANUAL-PRENSA RECOGEDOR S/800
80.01.31		JUEGO JUNTAS MARCOS 3 CARRILES	94.02.08		ESCUADRA REFUERZO PREMARCO
			94.04.17		CALZO CRISTAL
80.02.01		CIERRE COMBI ACCION VERTICAL	94.04.18		ESPESORES DE 1mm.

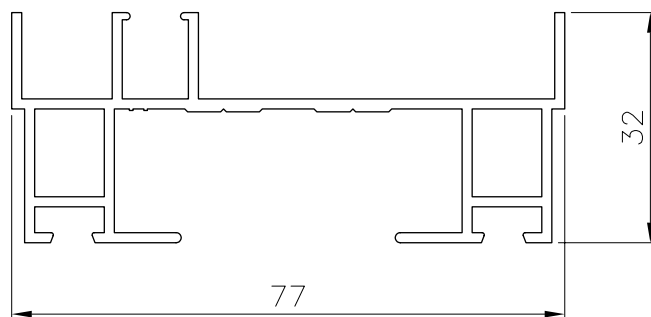




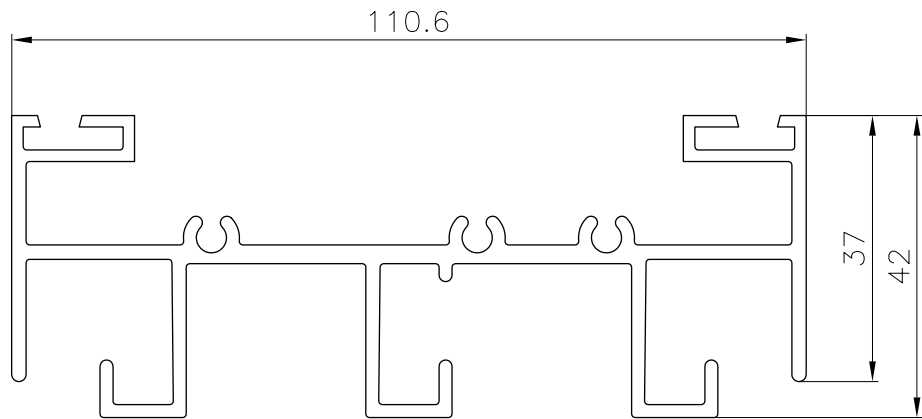
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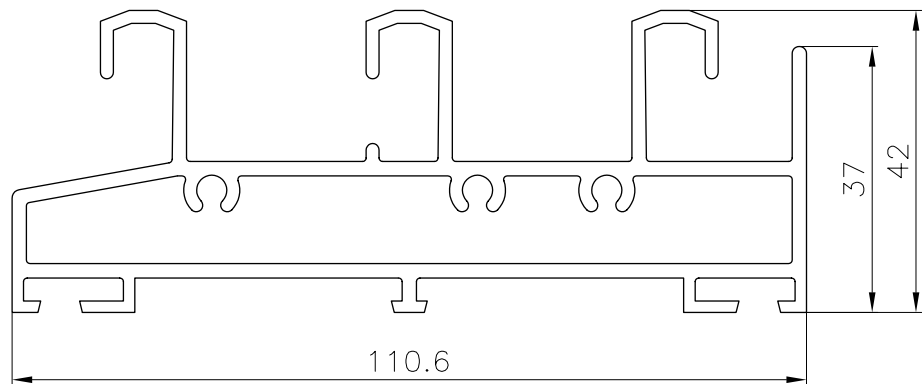
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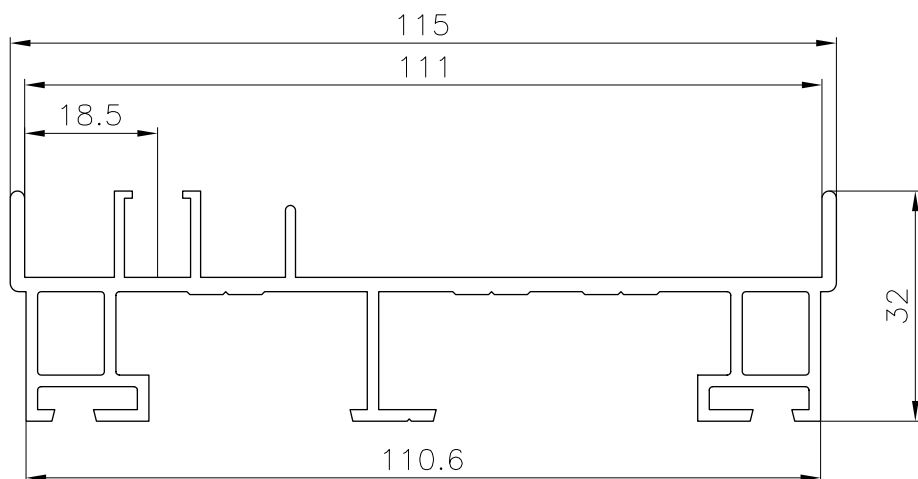
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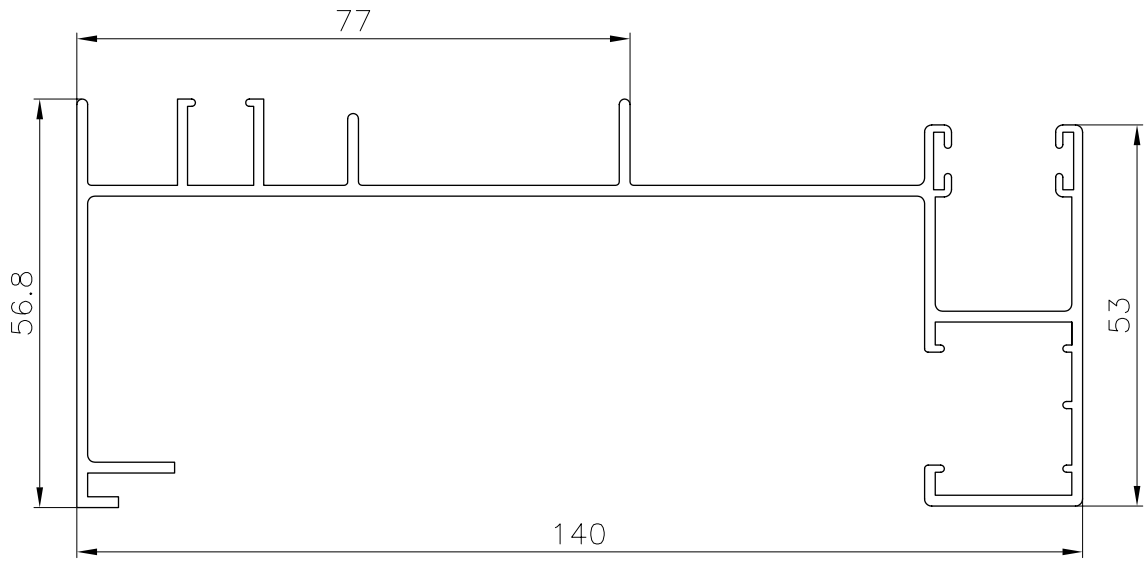
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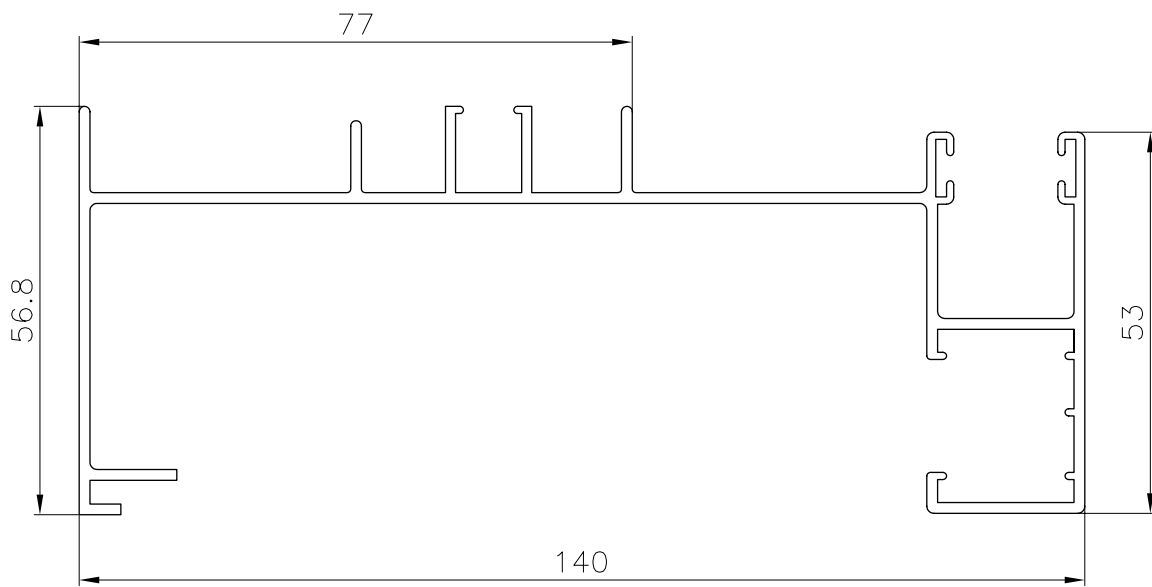
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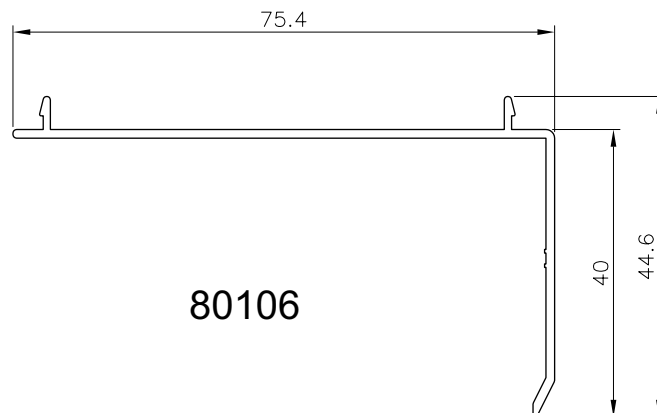
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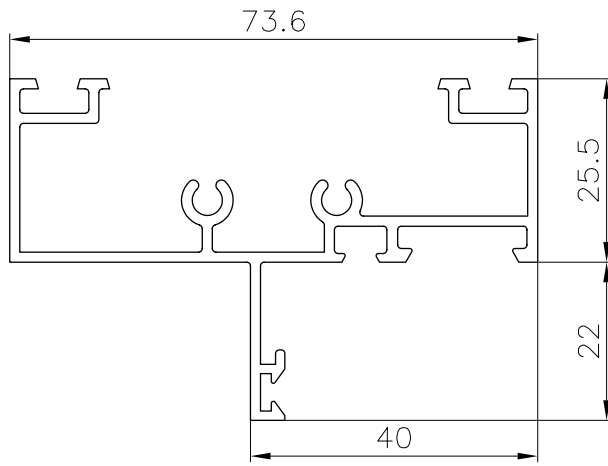
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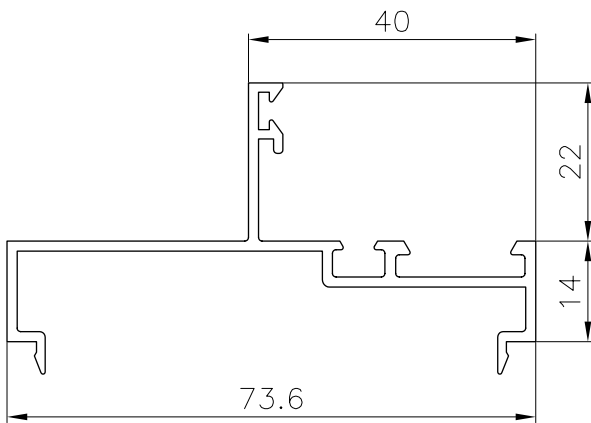
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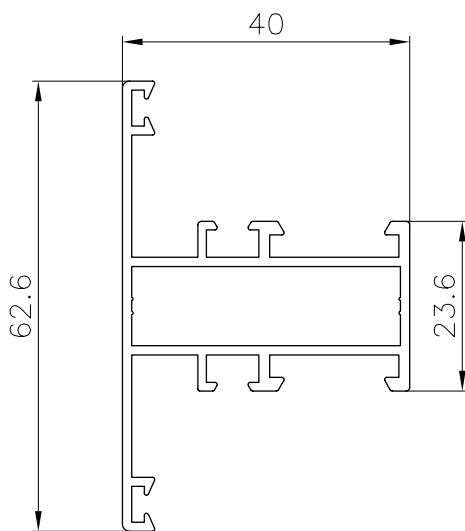
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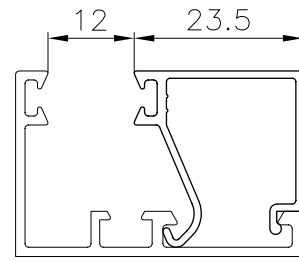
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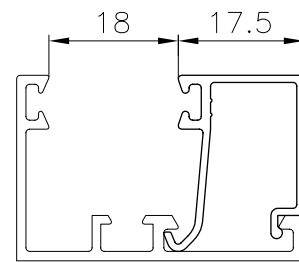
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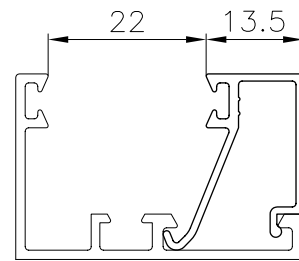
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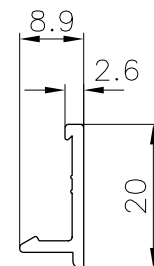
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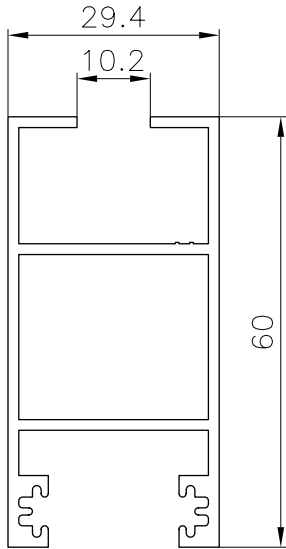


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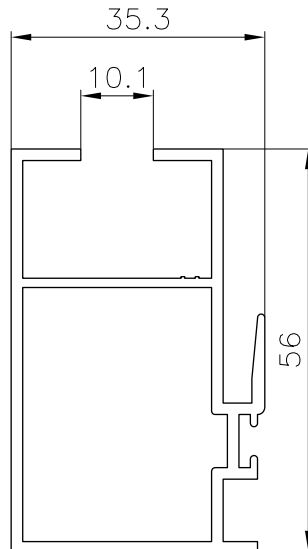


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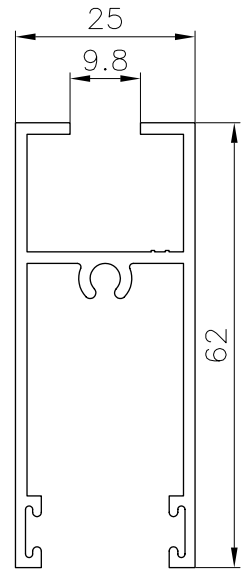
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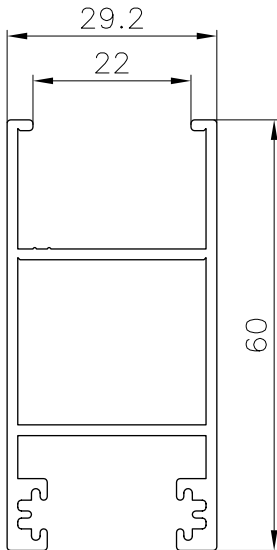
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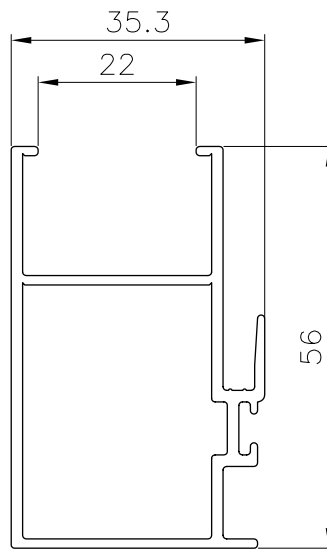
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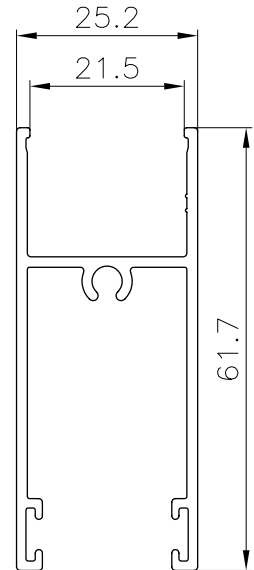
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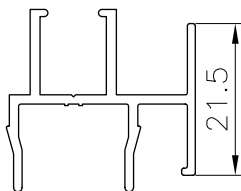
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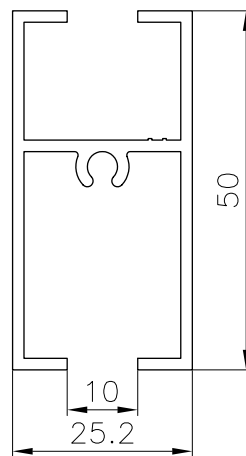
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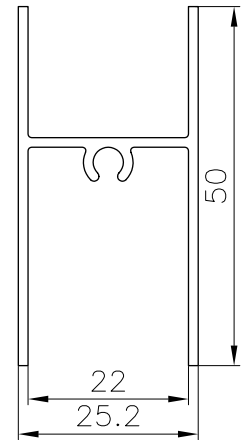
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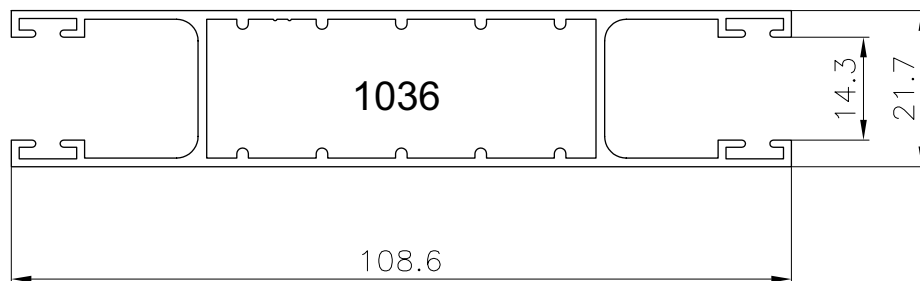
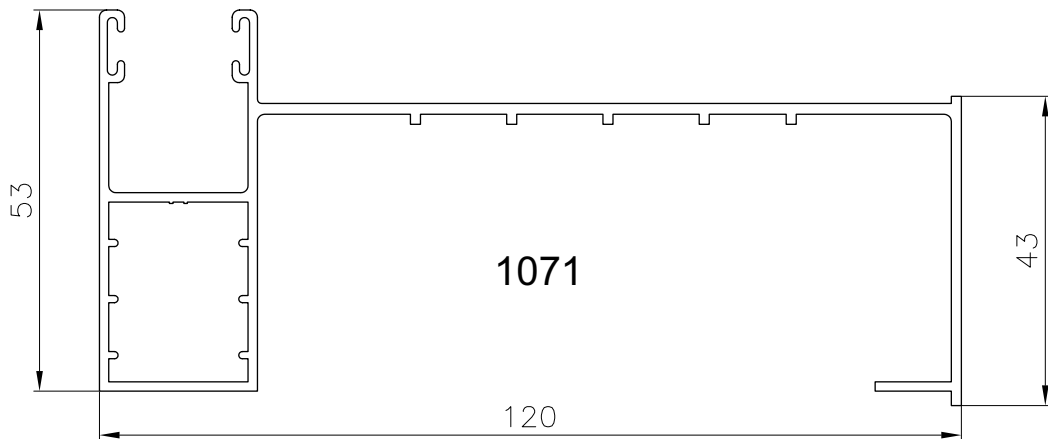
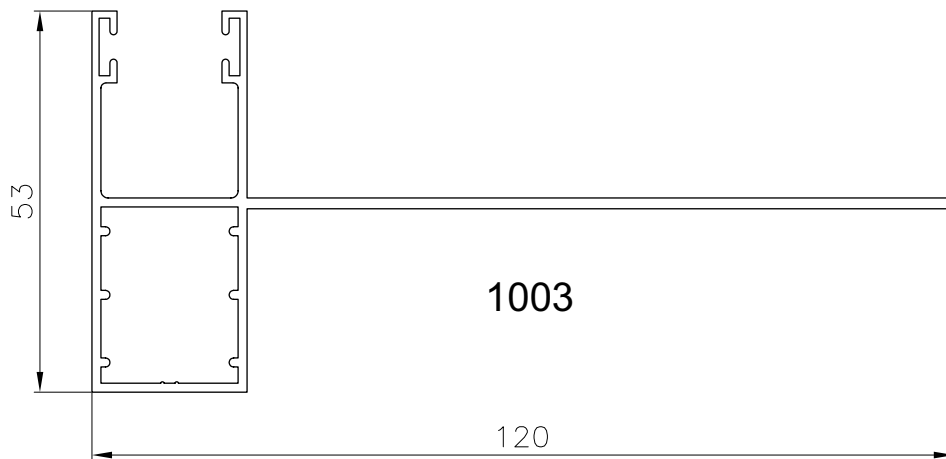
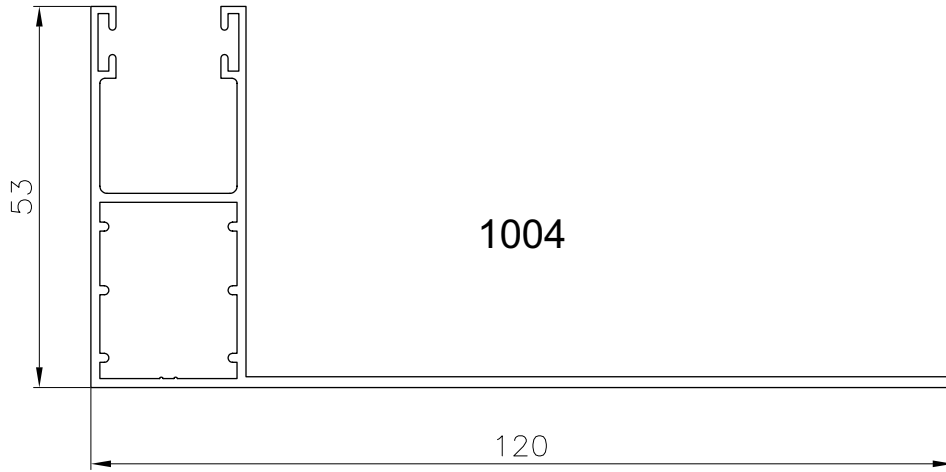
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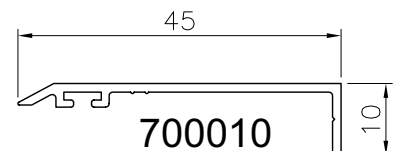
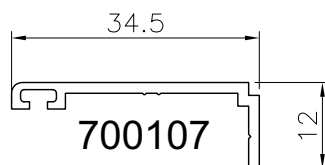
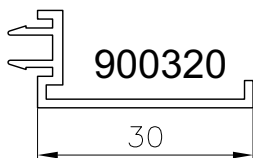
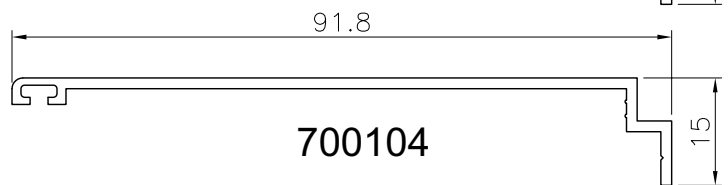
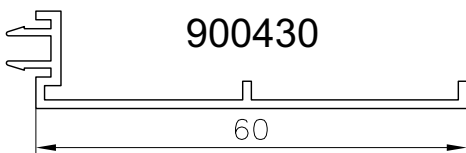
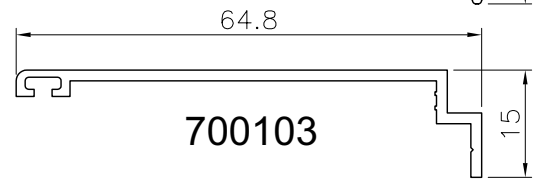
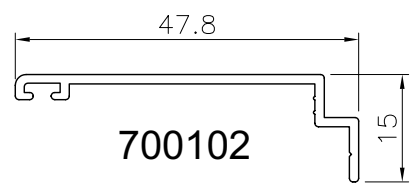
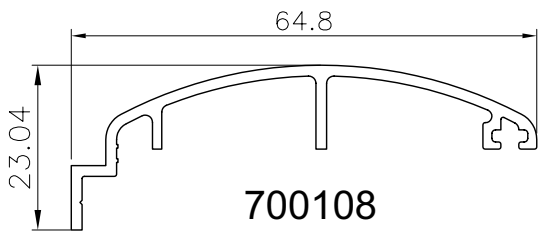
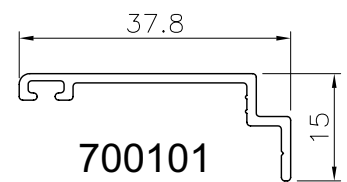
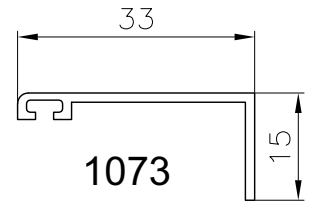
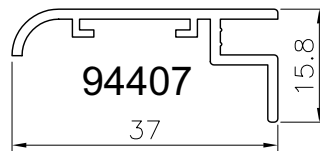
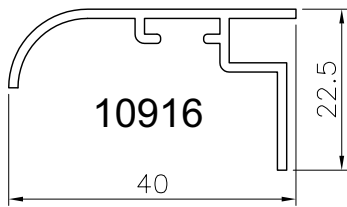
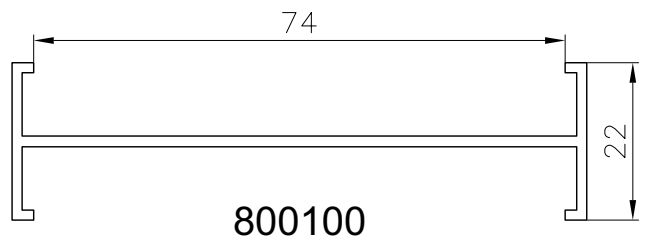
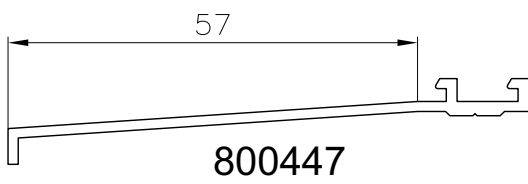
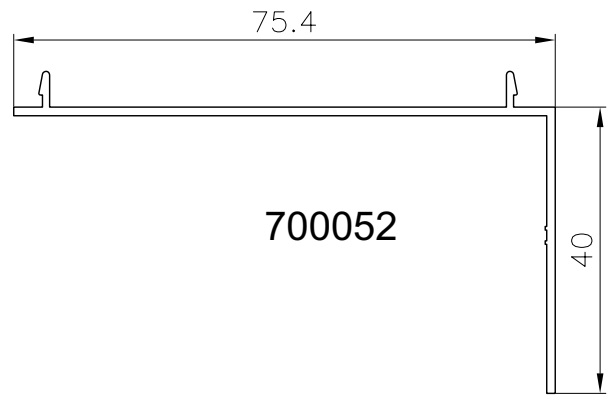
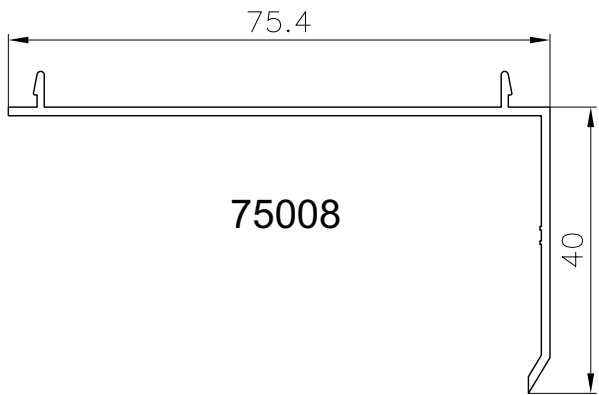


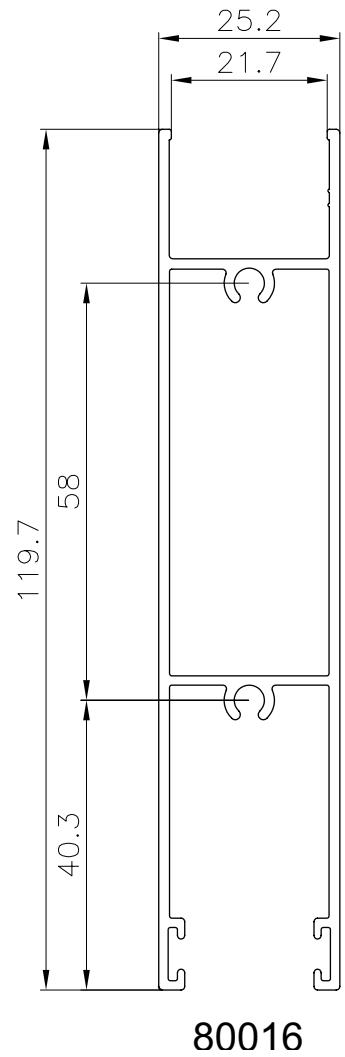
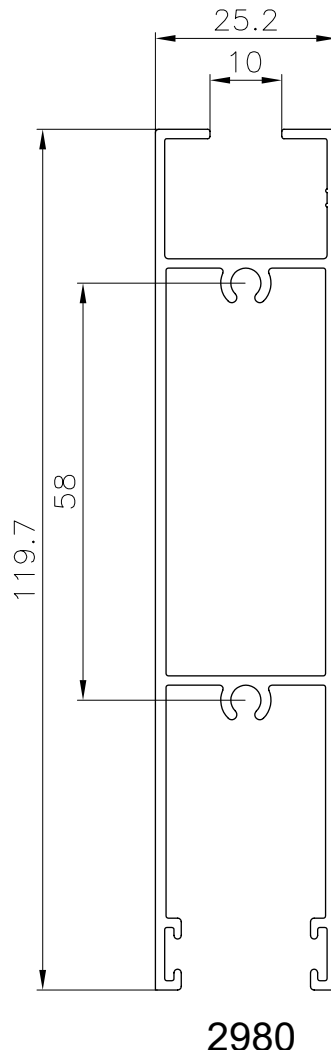
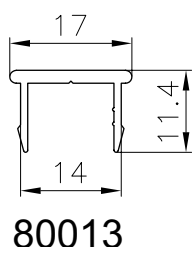
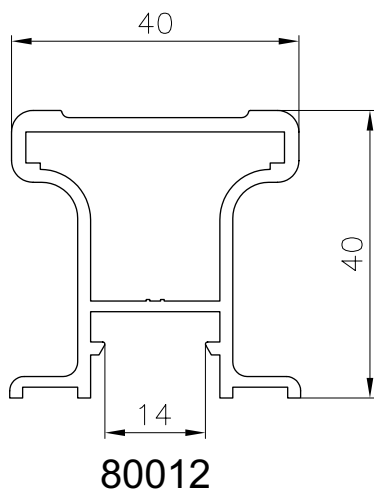
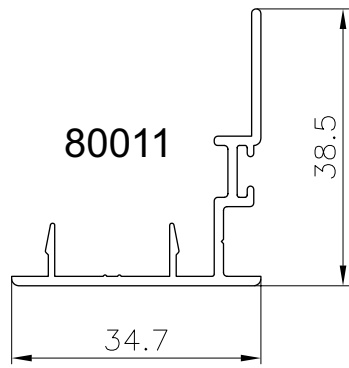
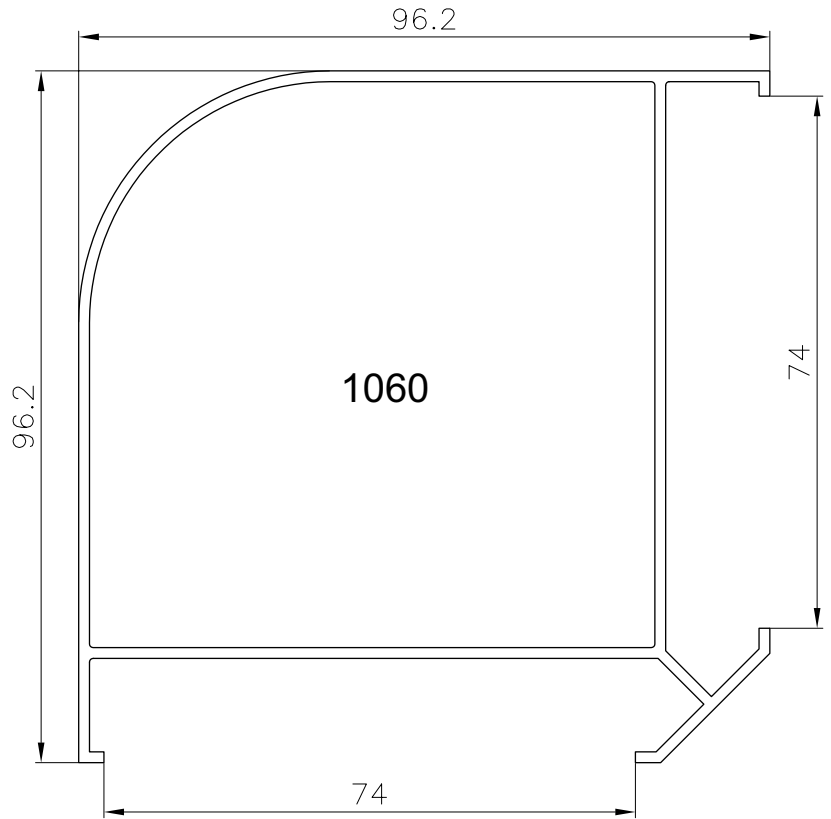
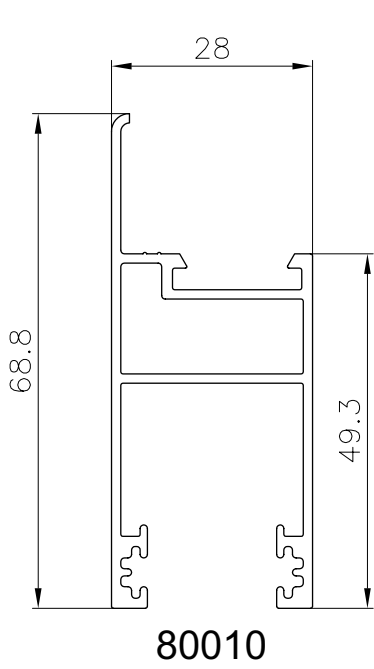
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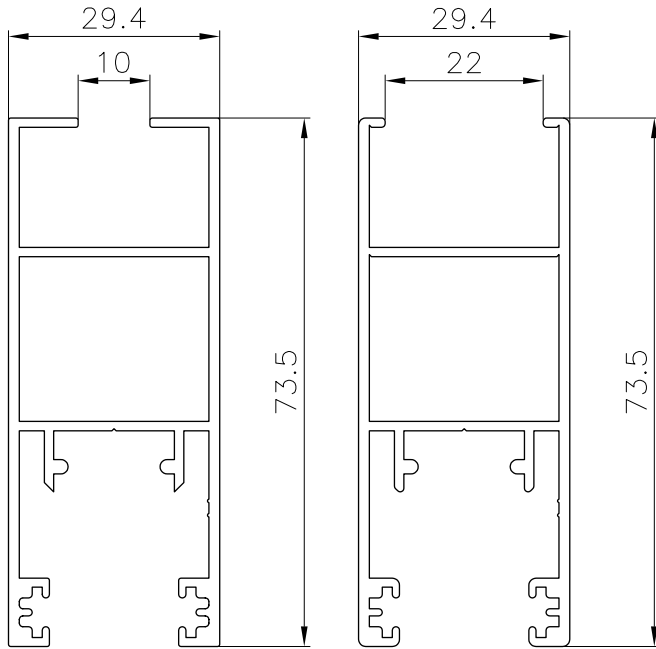


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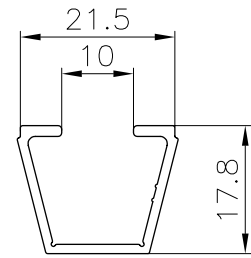




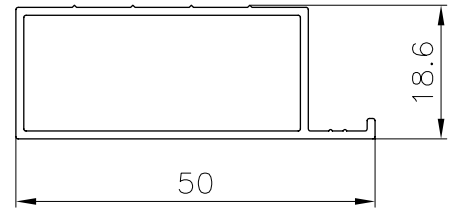


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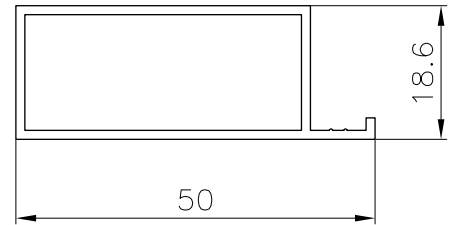
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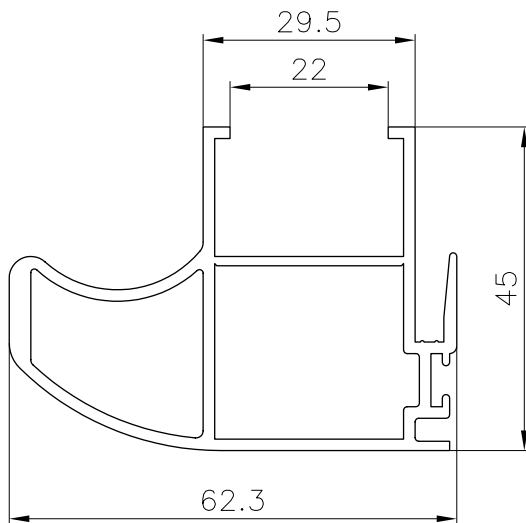
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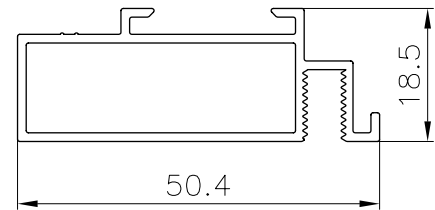
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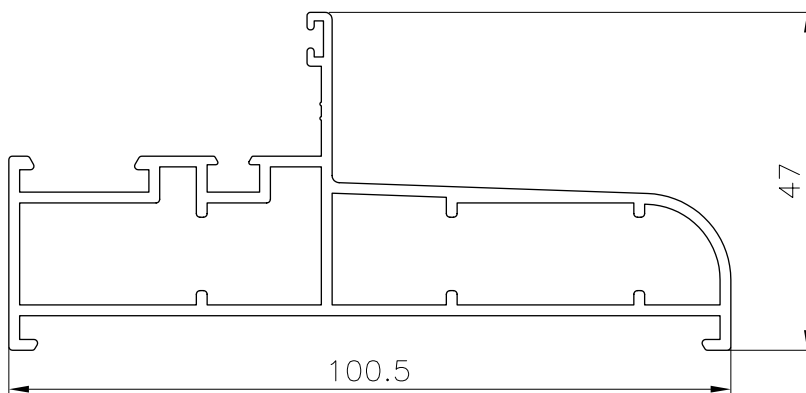
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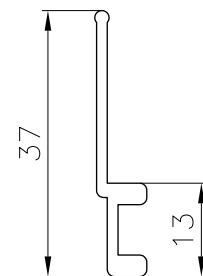
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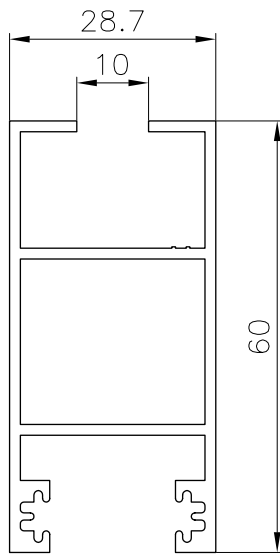
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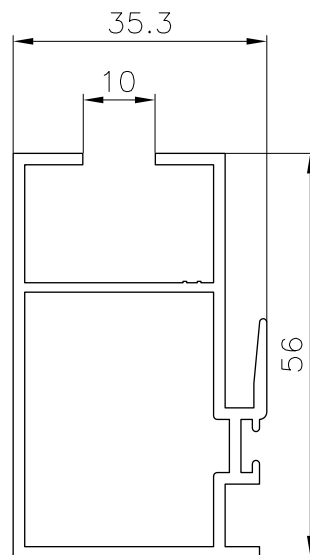
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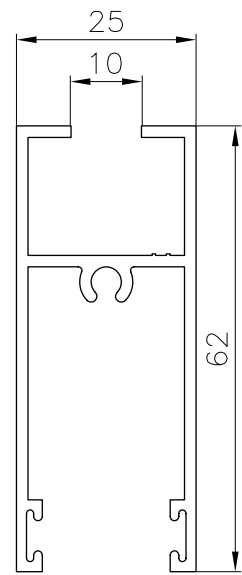
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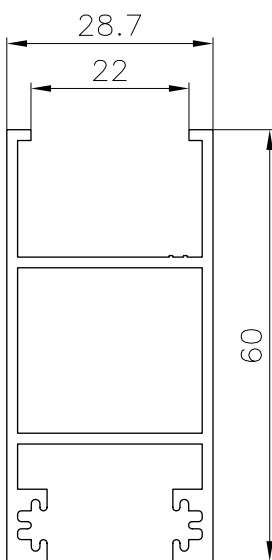
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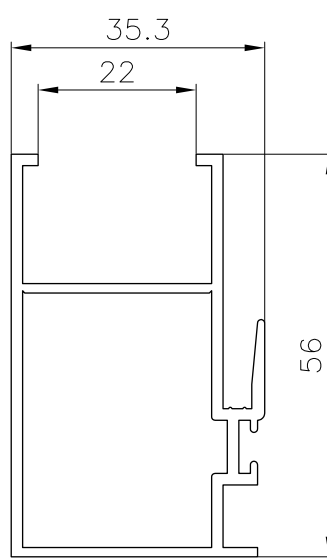
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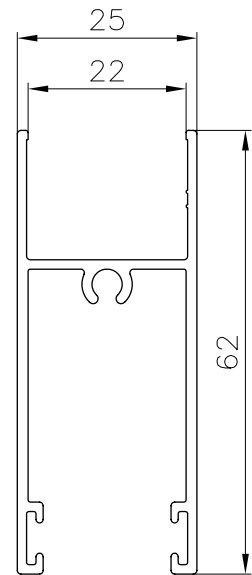
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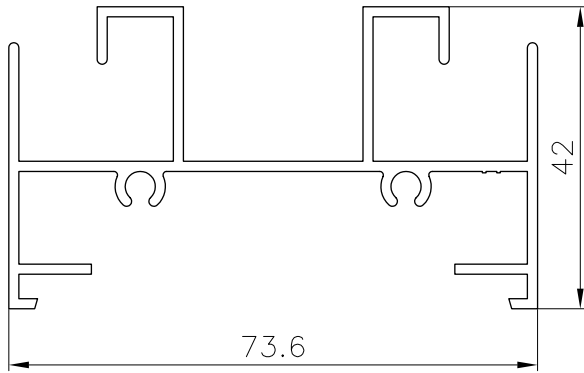
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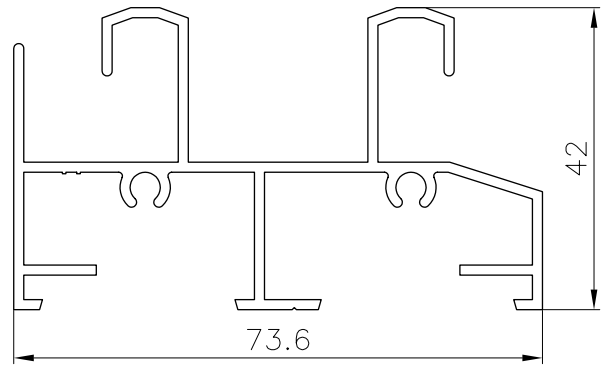
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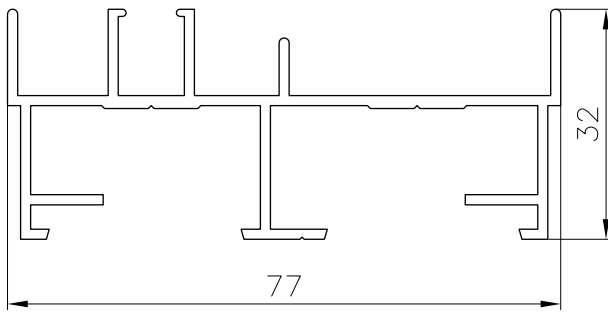
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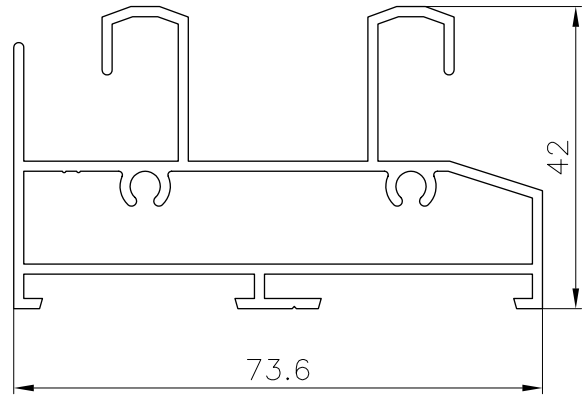
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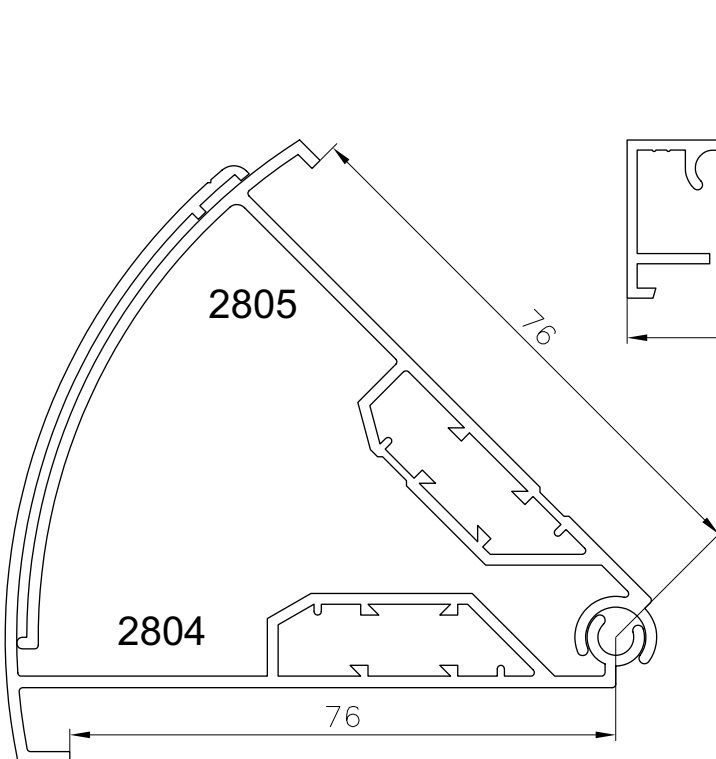
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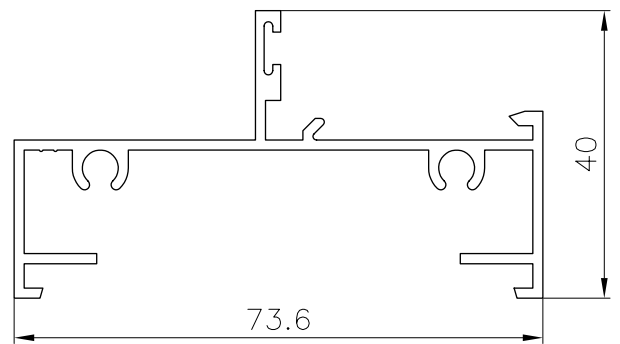


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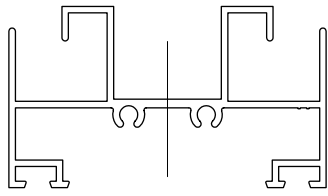


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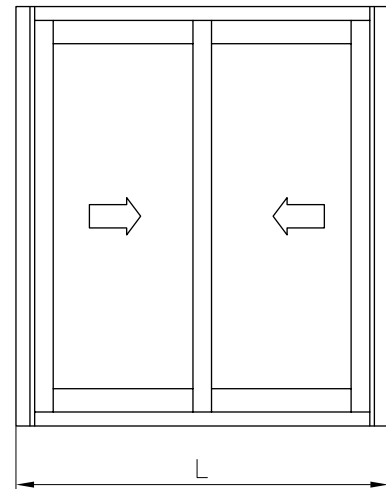
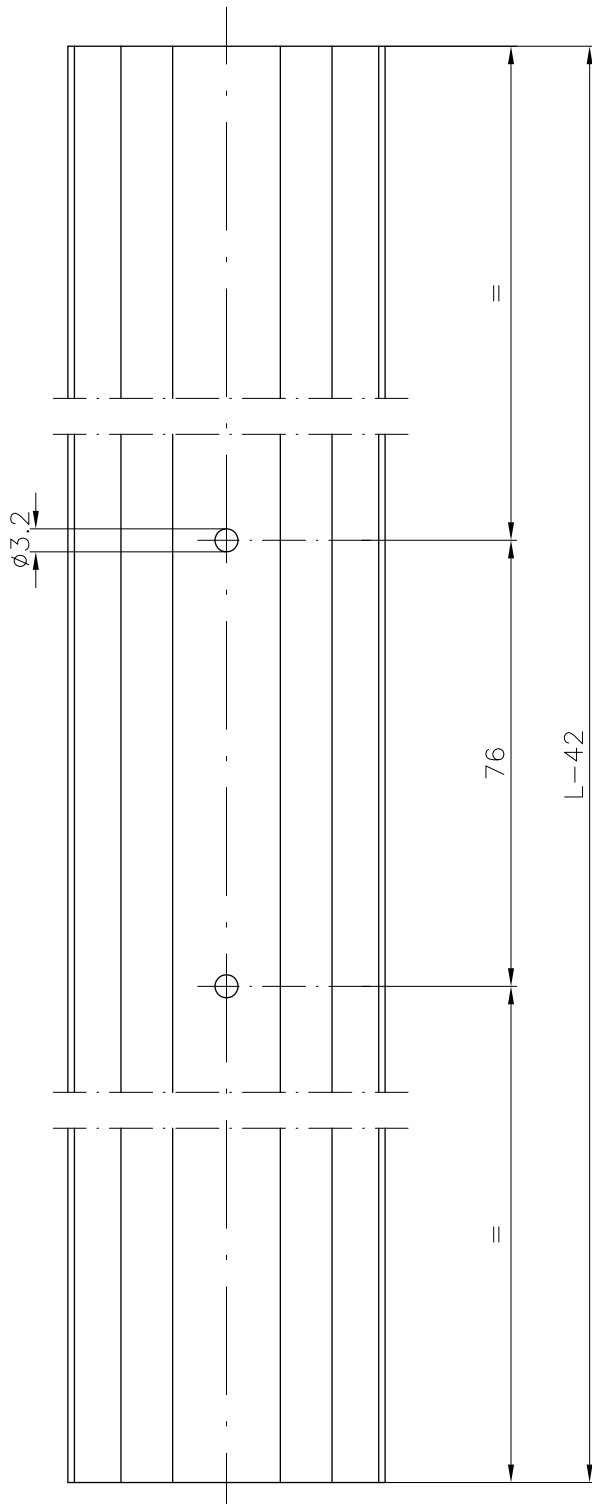
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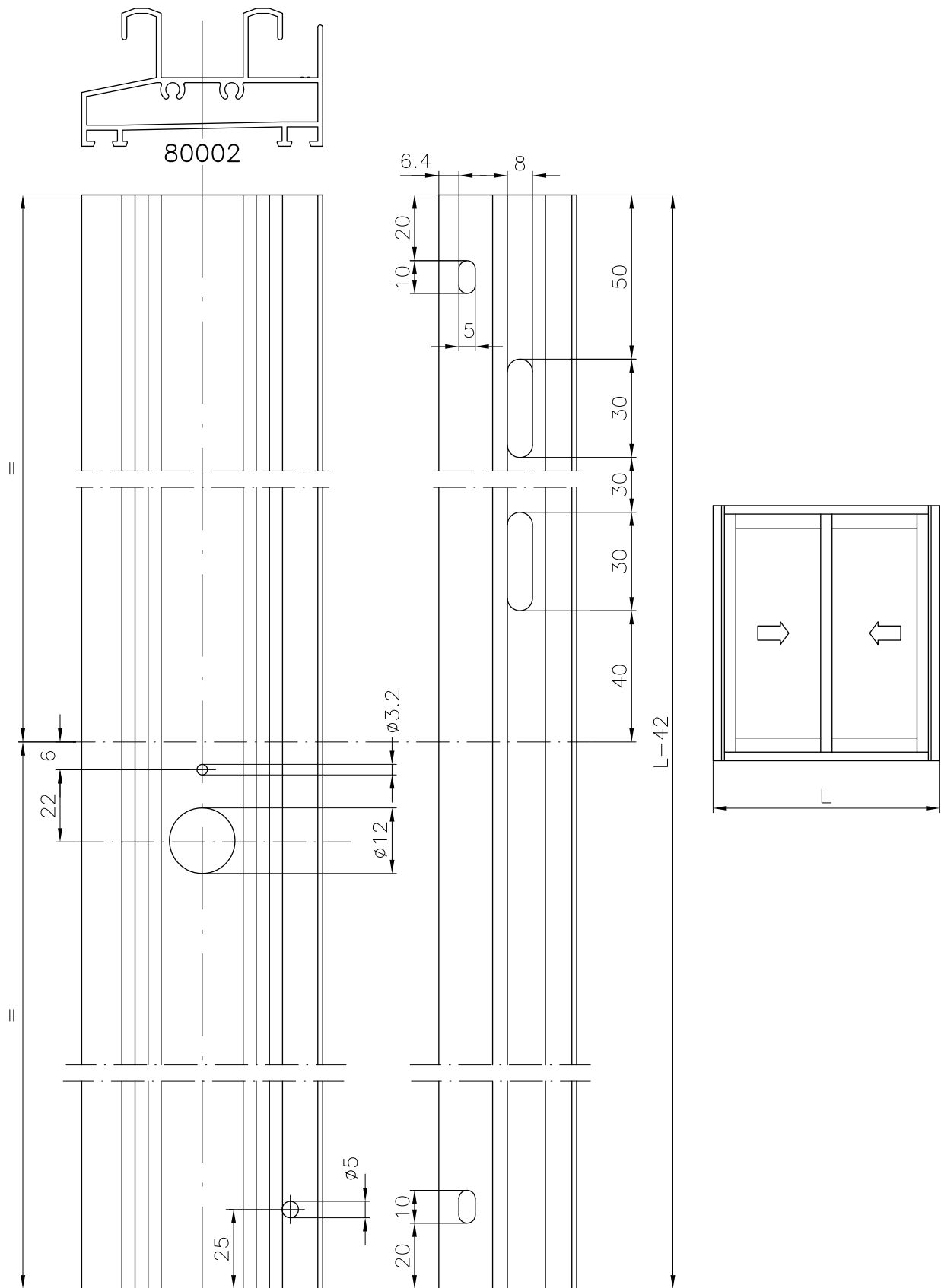


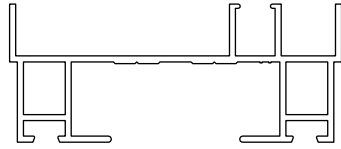
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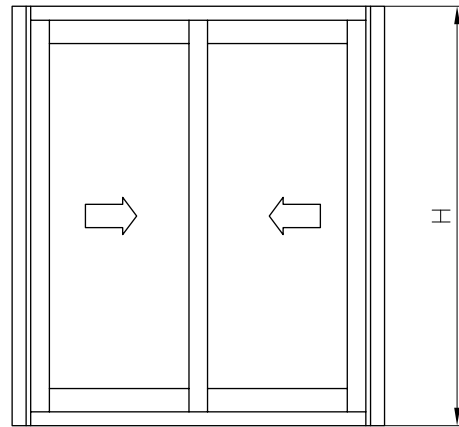
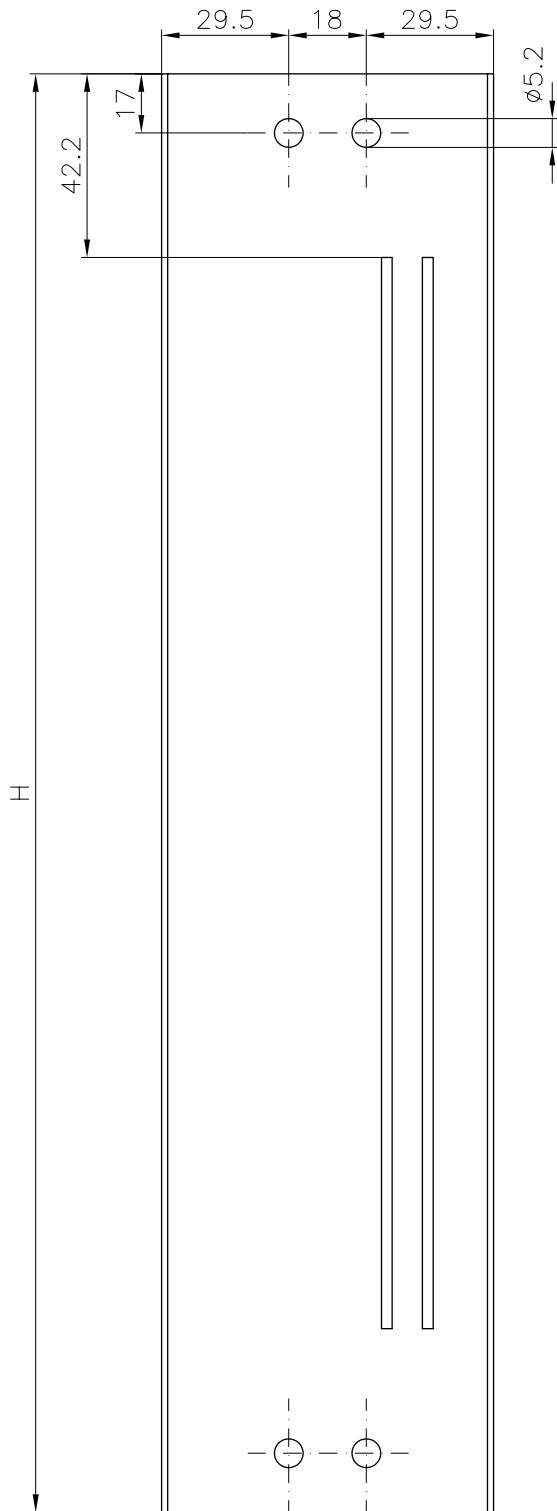
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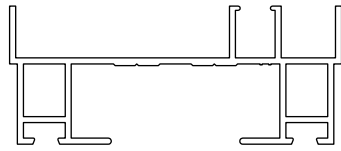




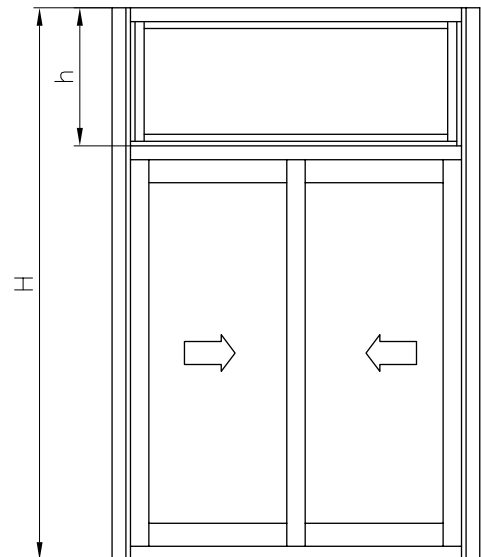
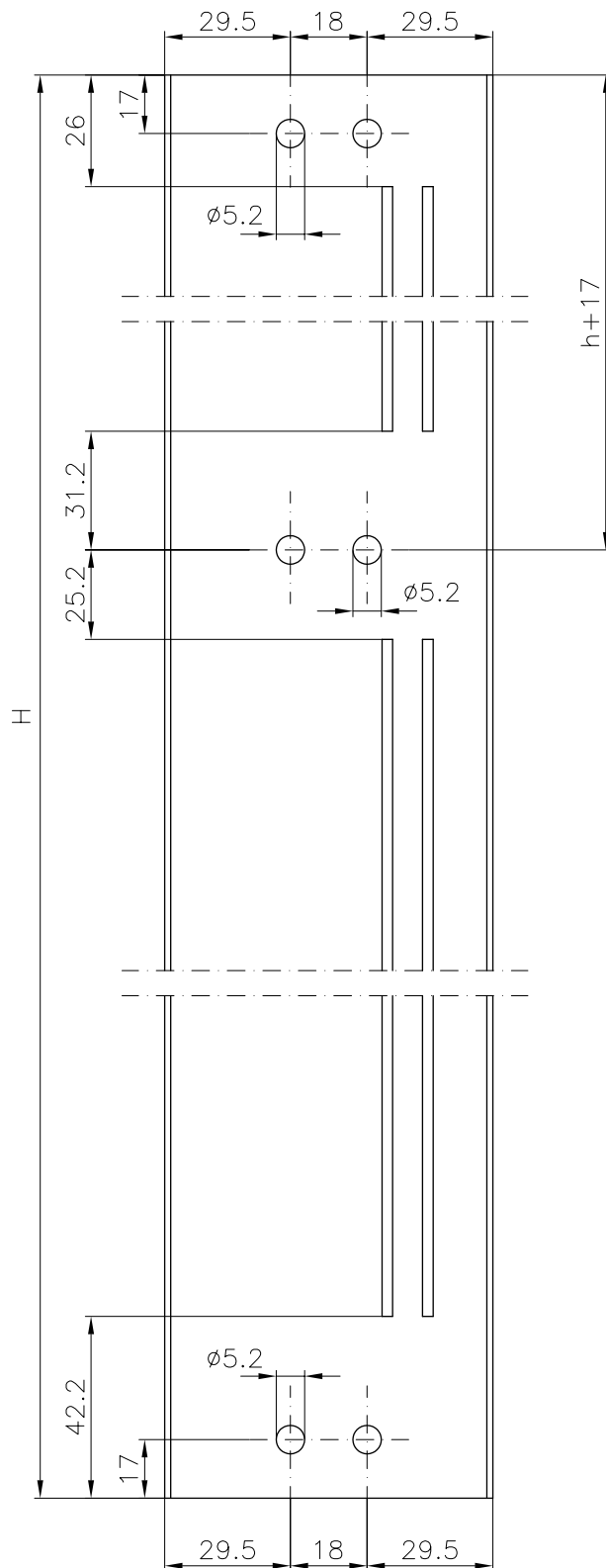


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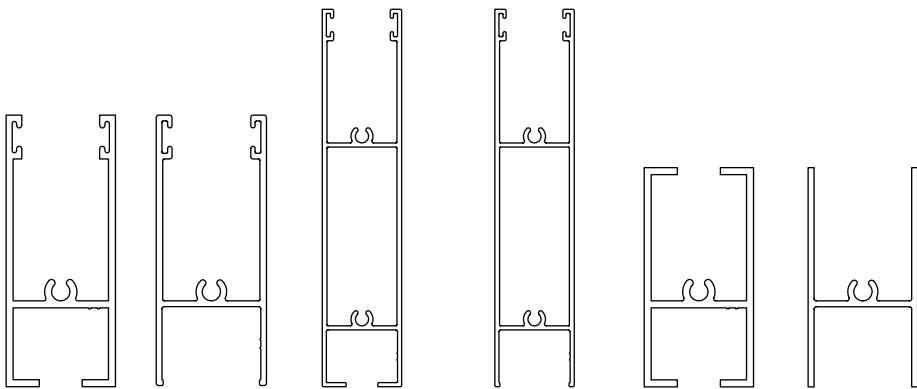
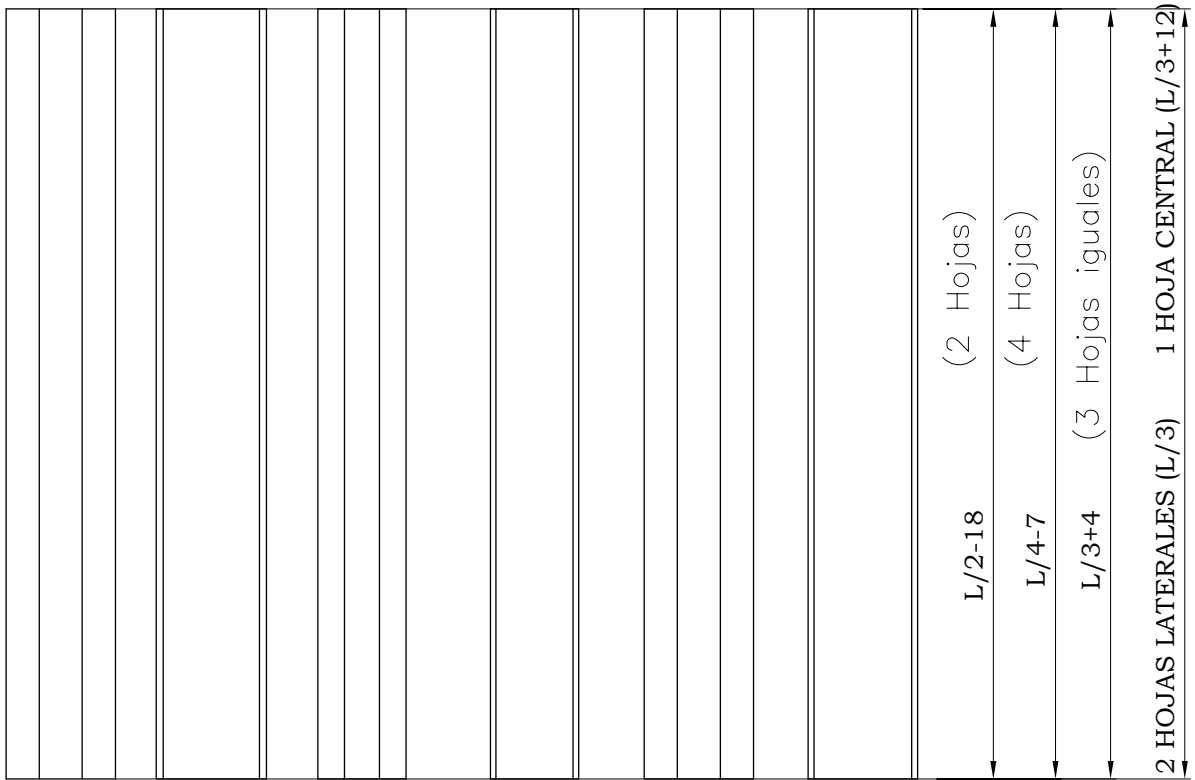
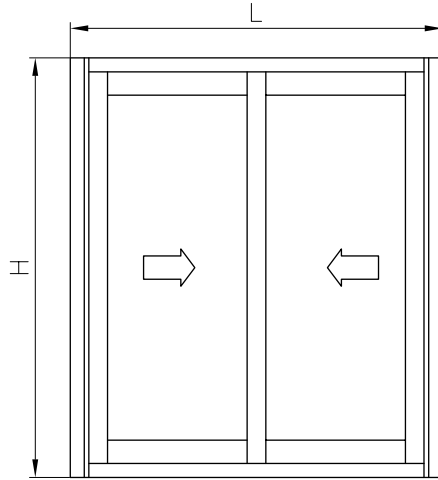




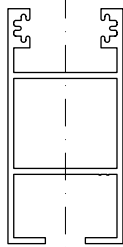
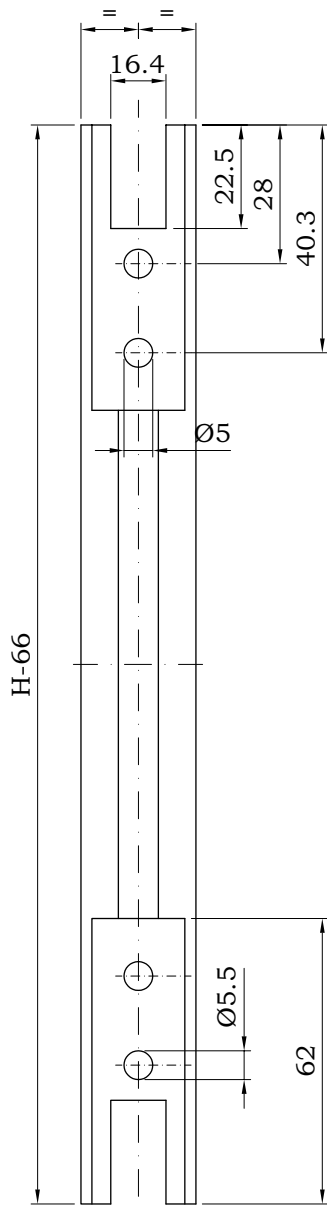
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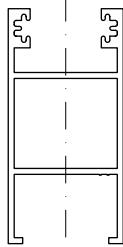
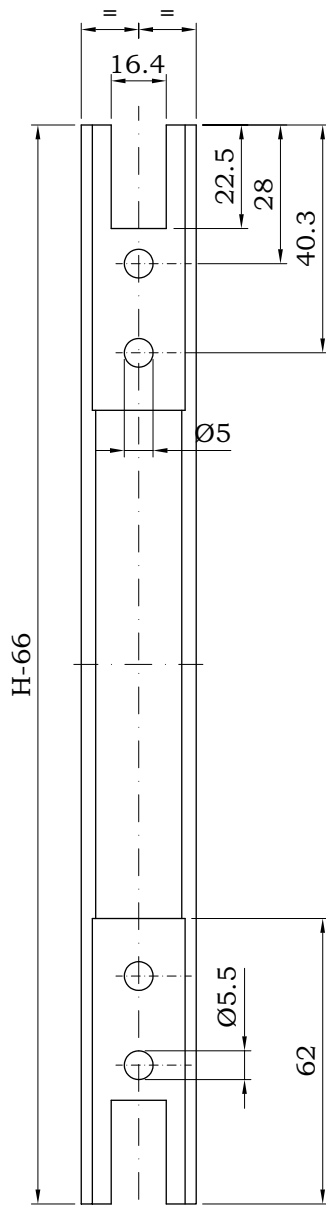




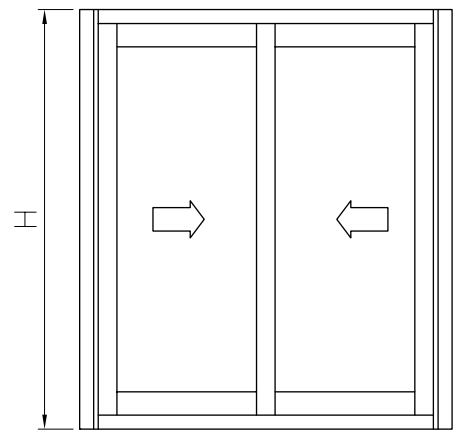
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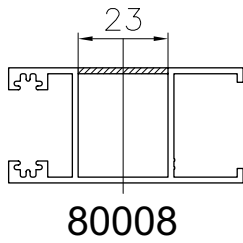
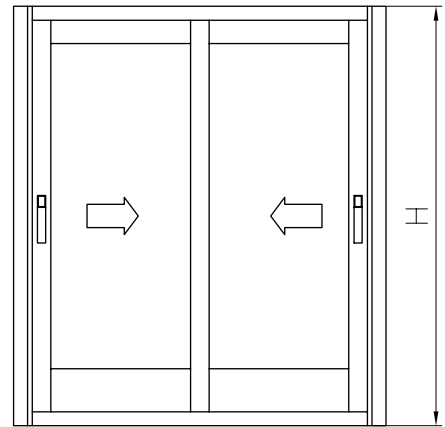
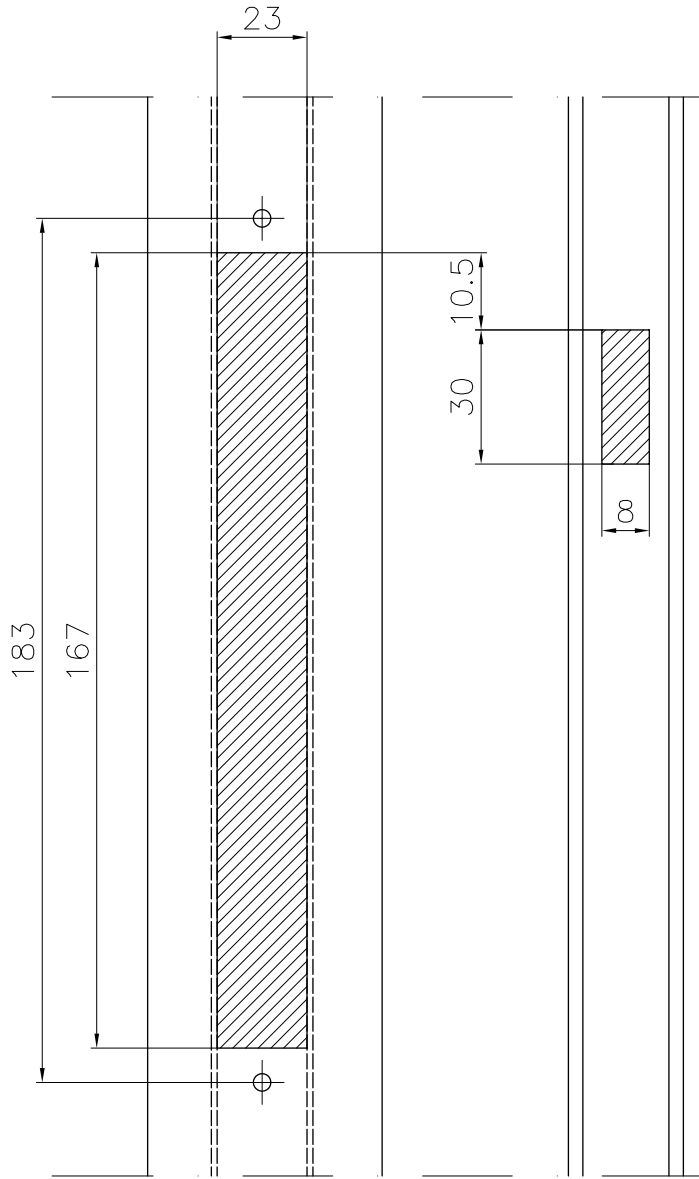


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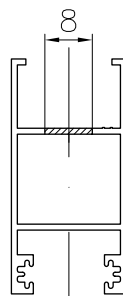


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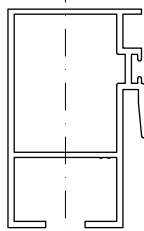
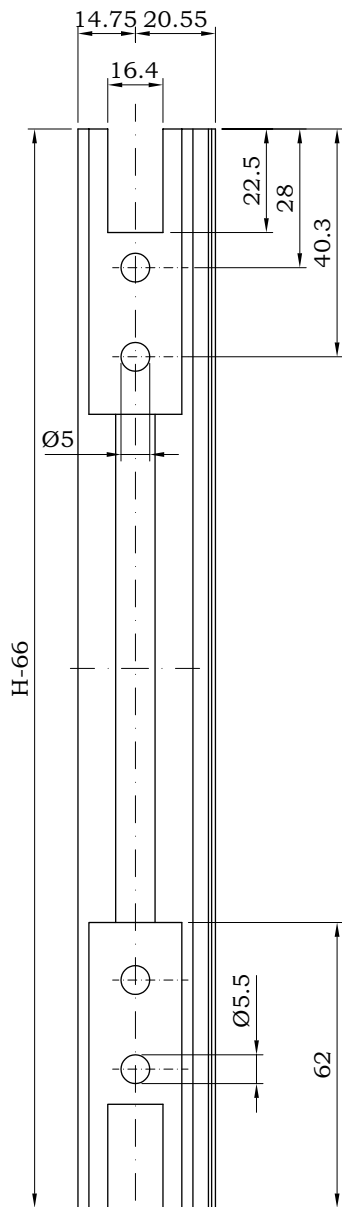




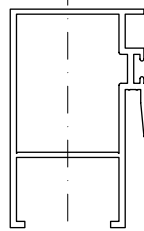
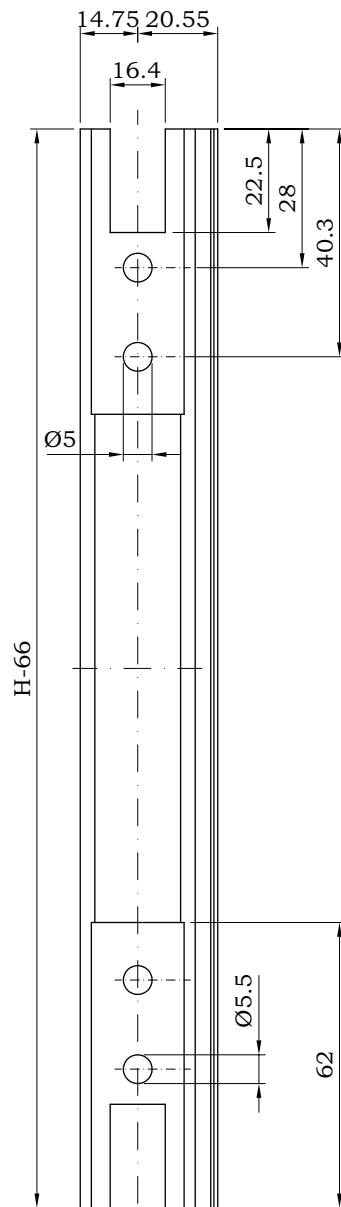
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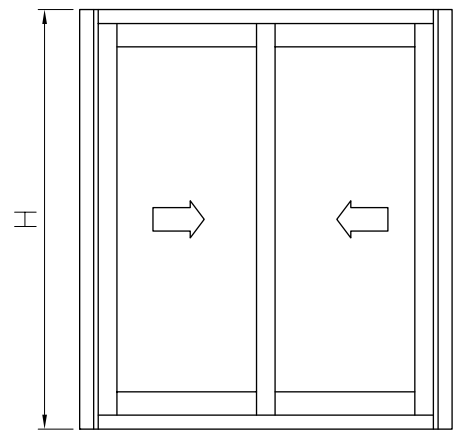
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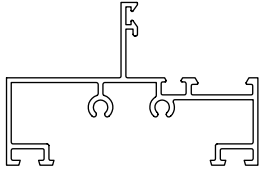


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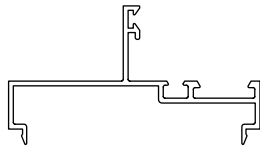


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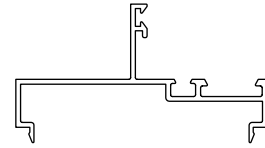
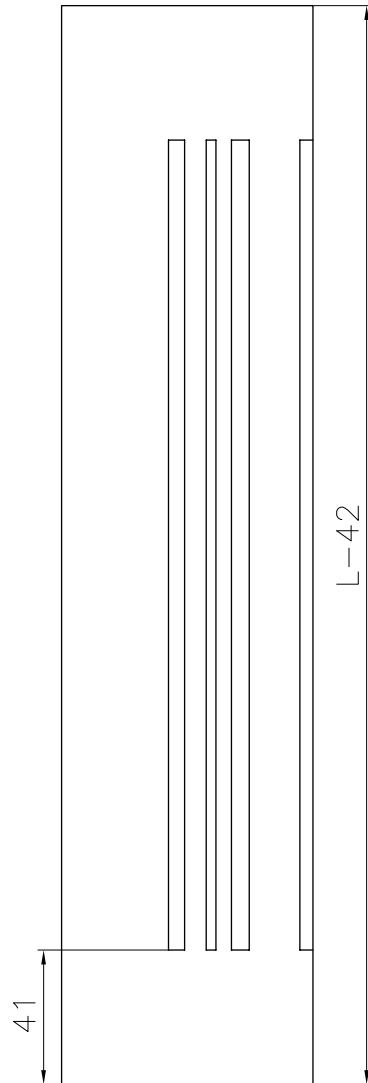
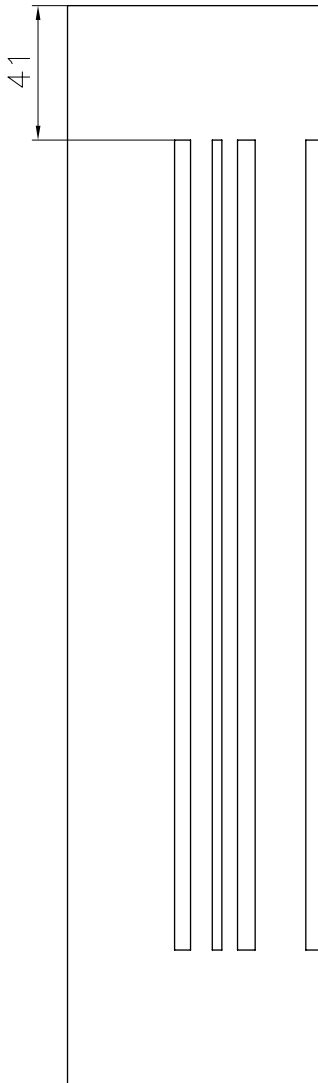
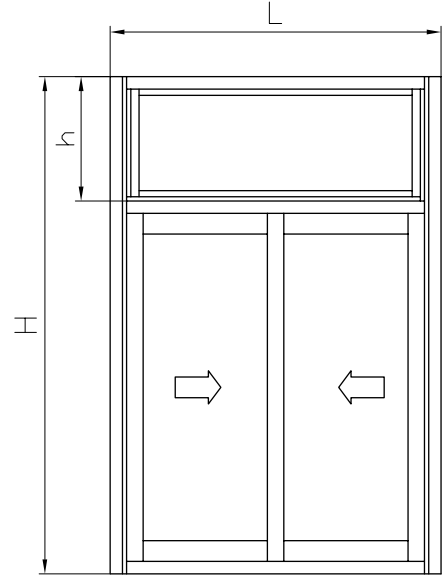




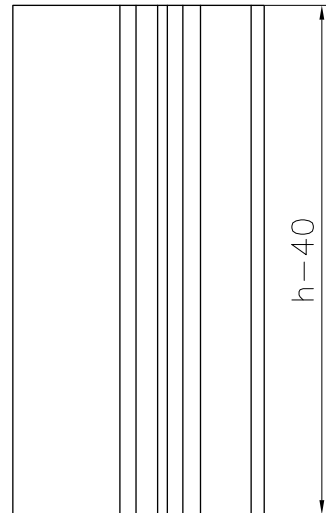
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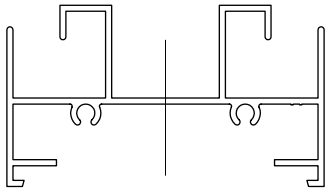


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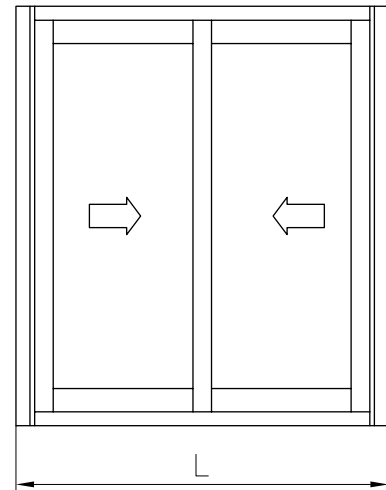
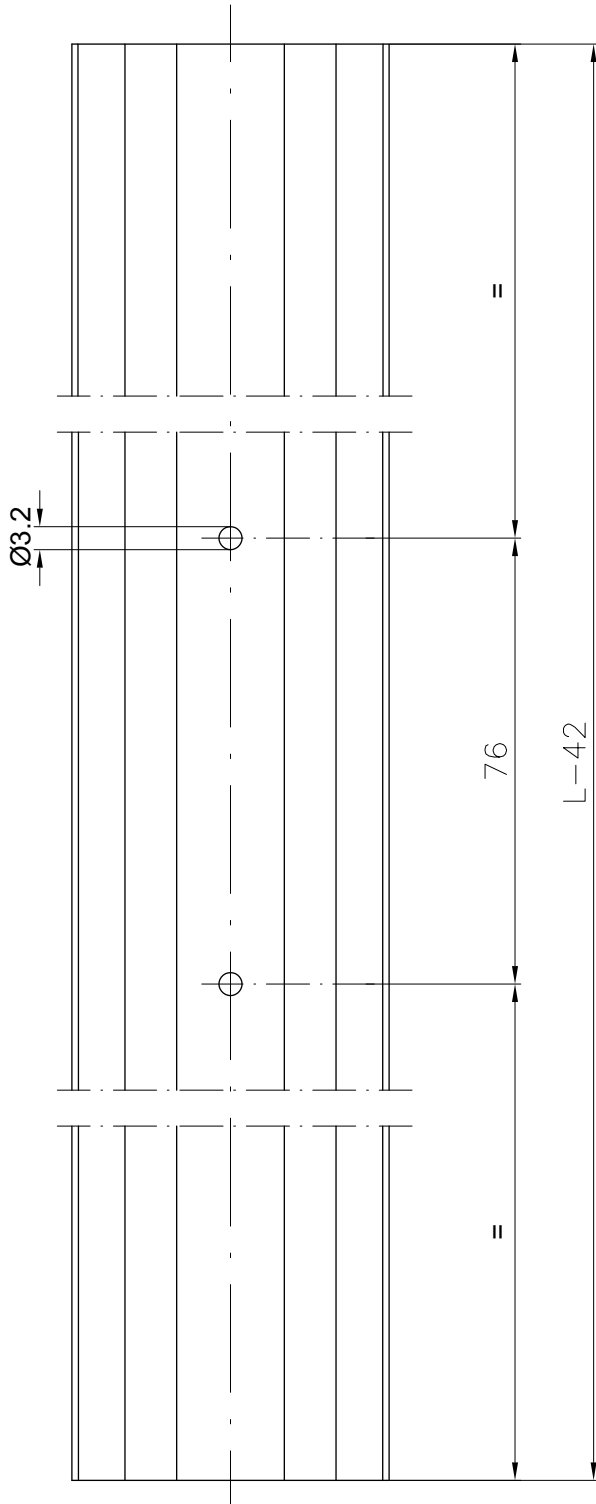


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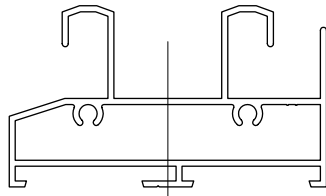




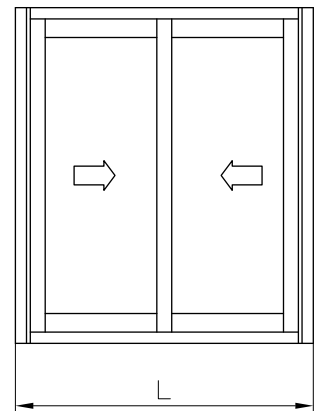
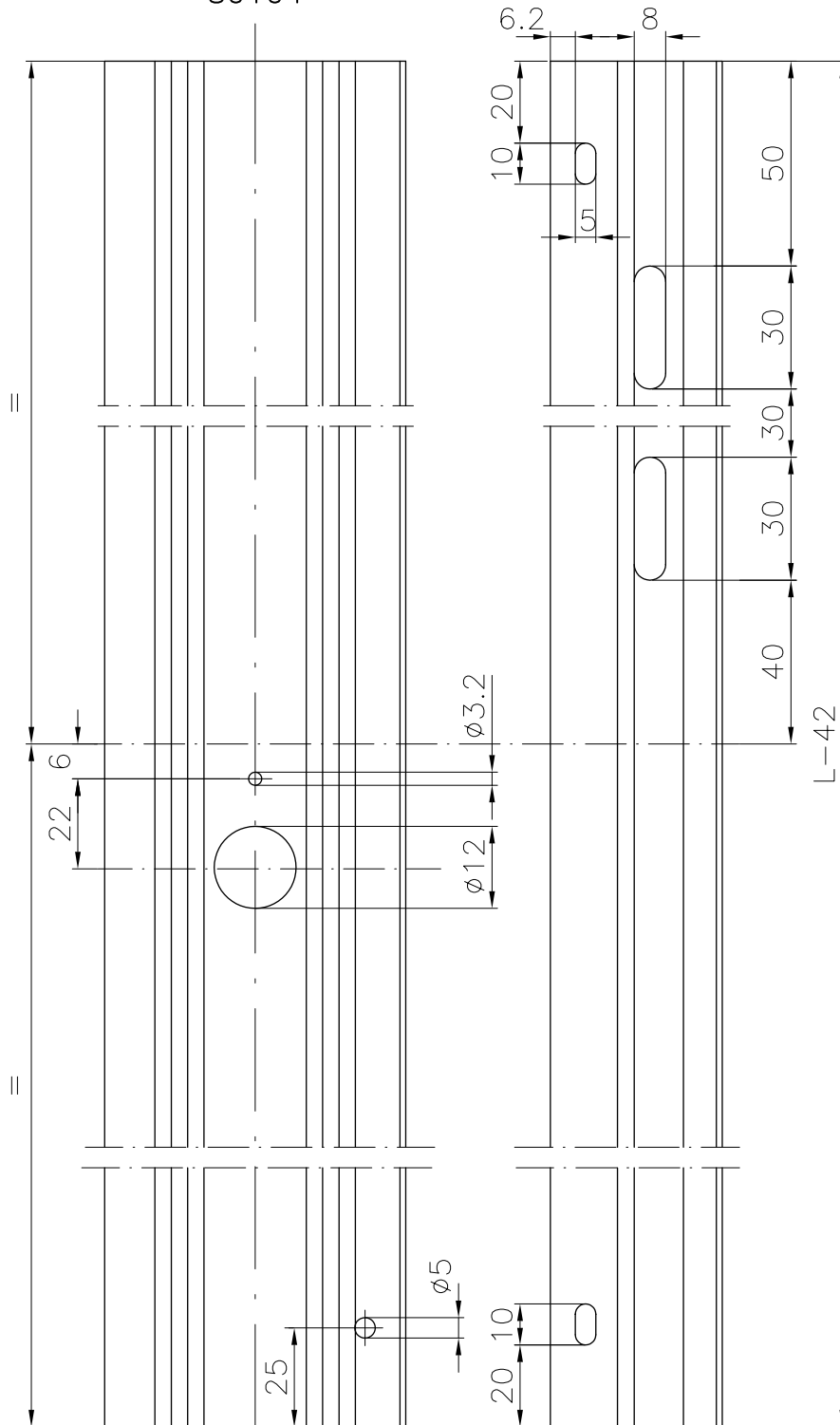
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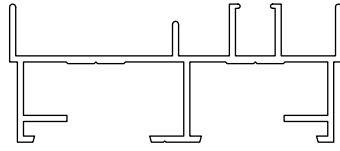




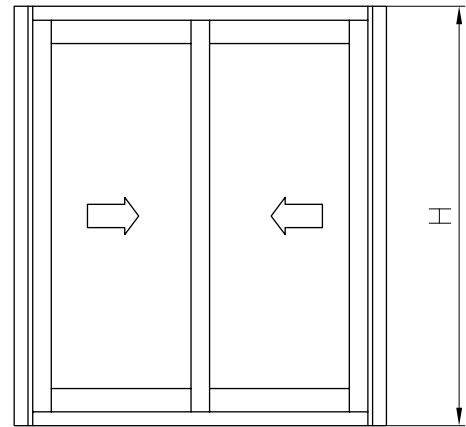
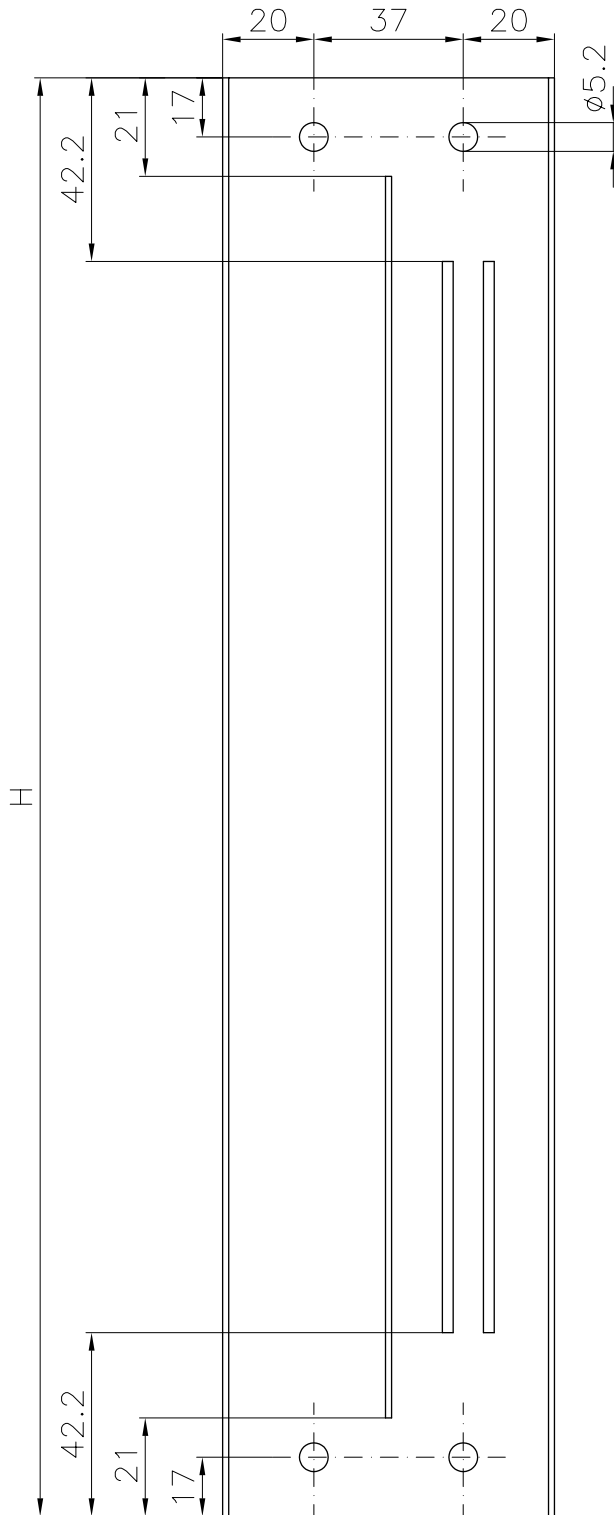


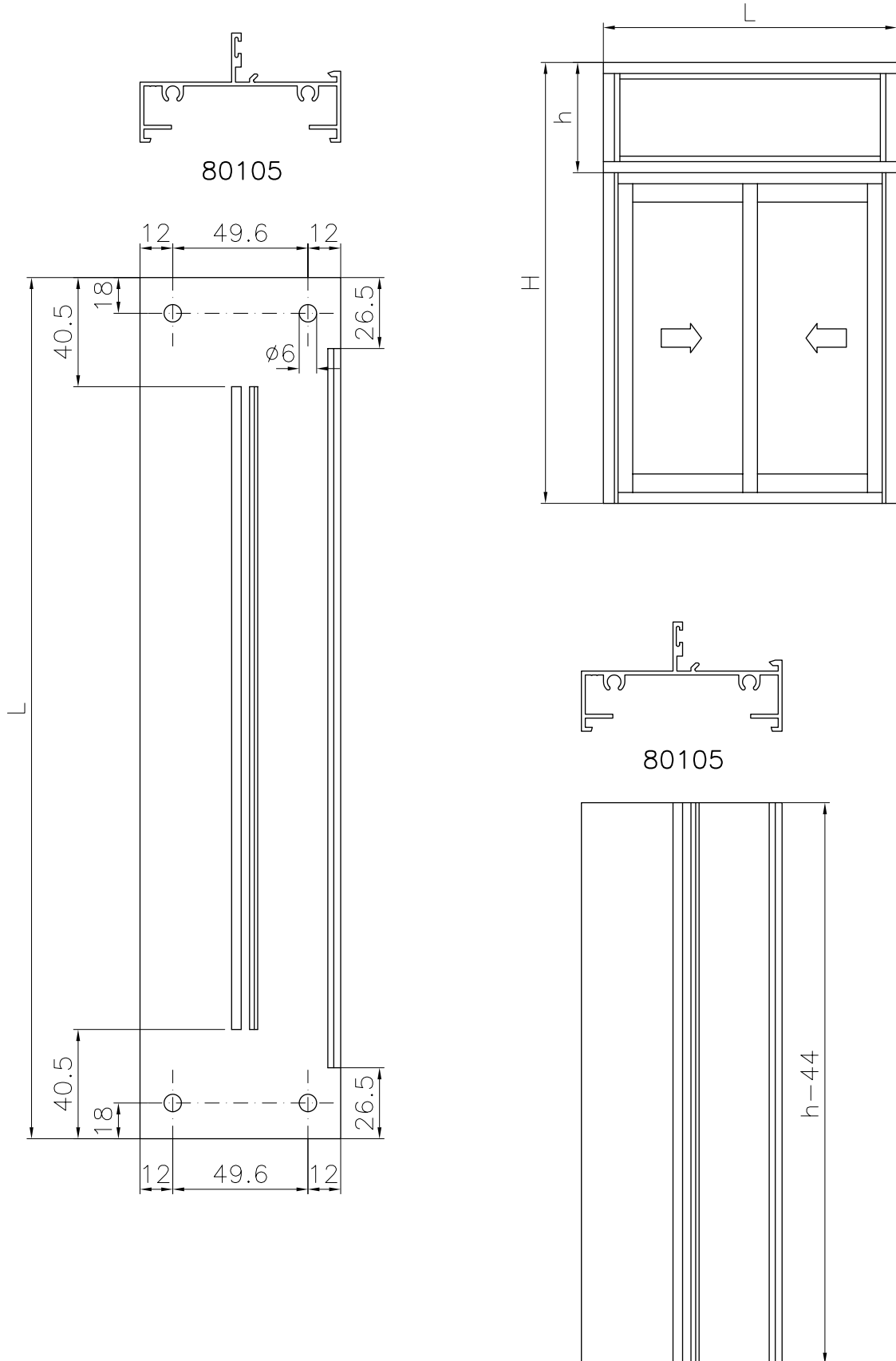
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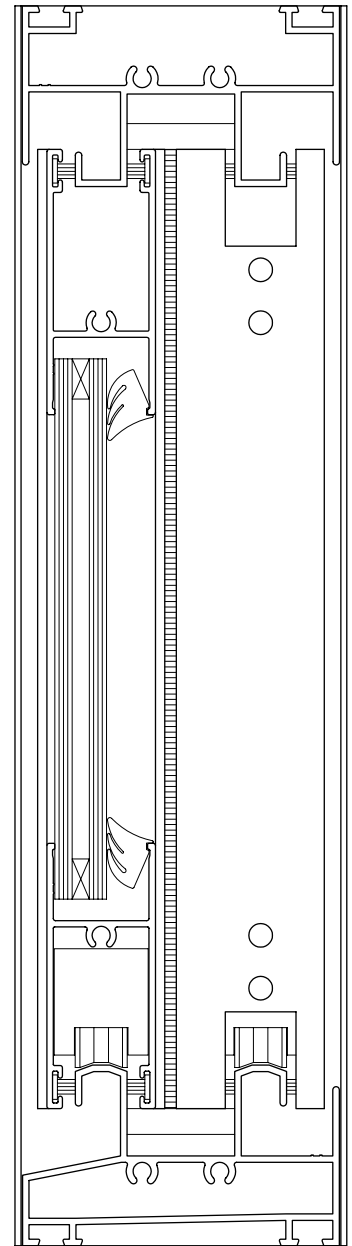
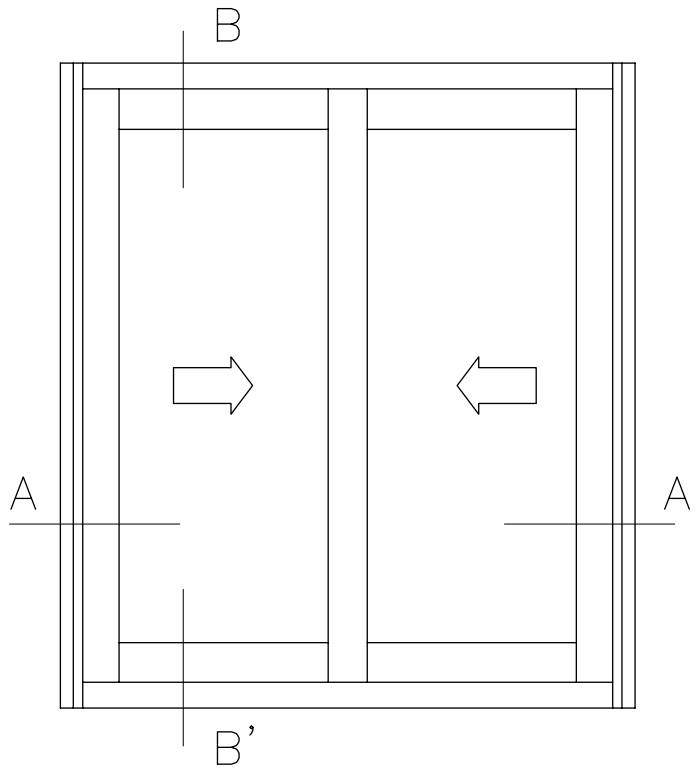




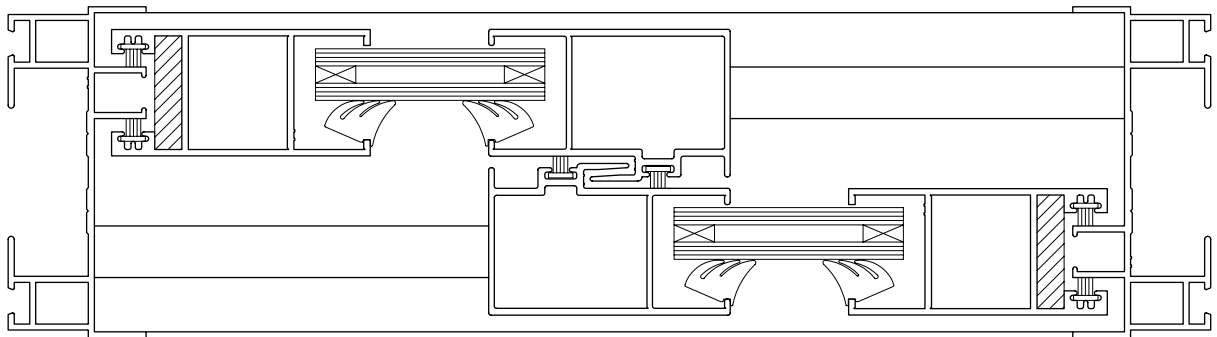
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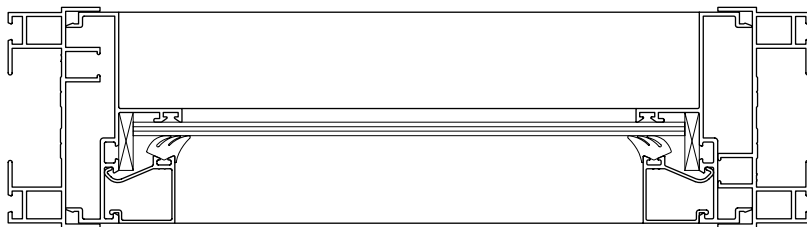
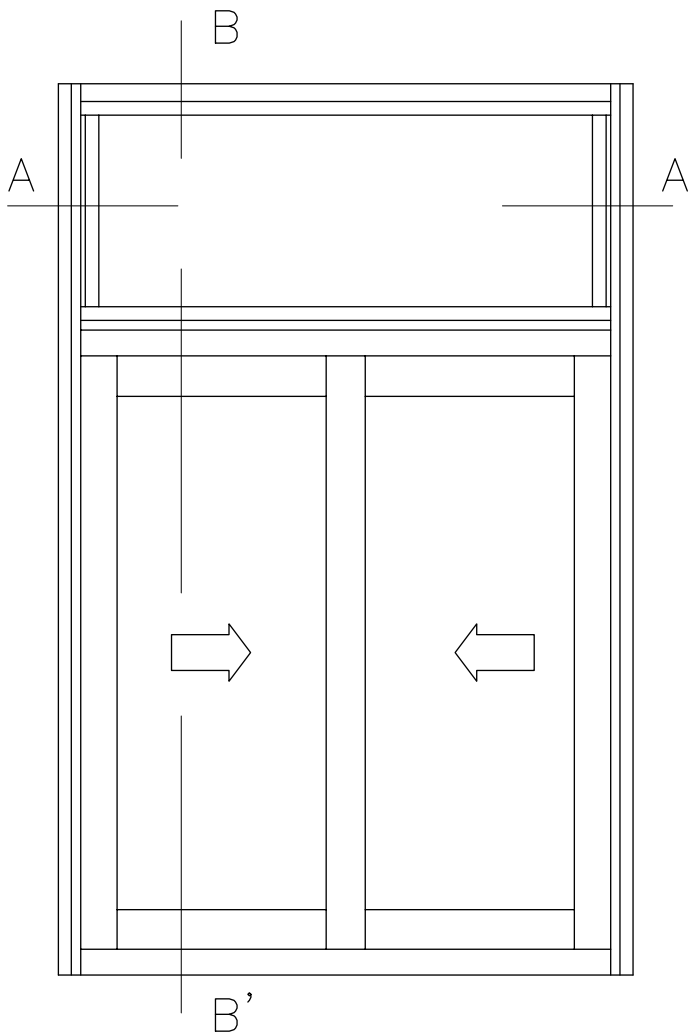




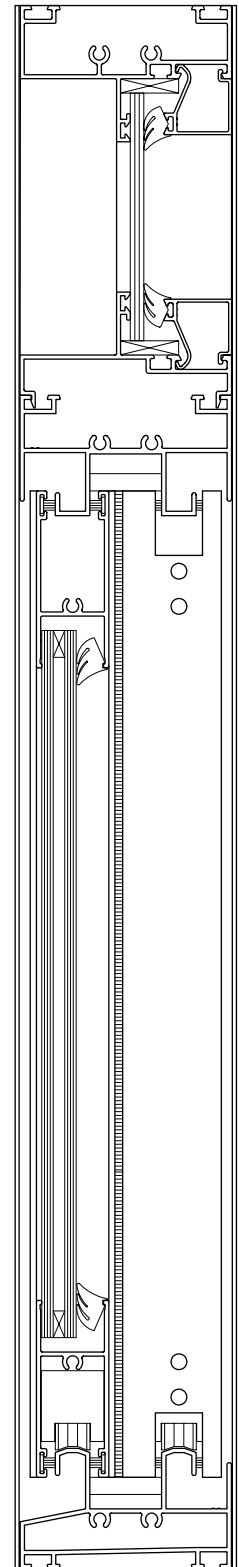
Sección B-B'



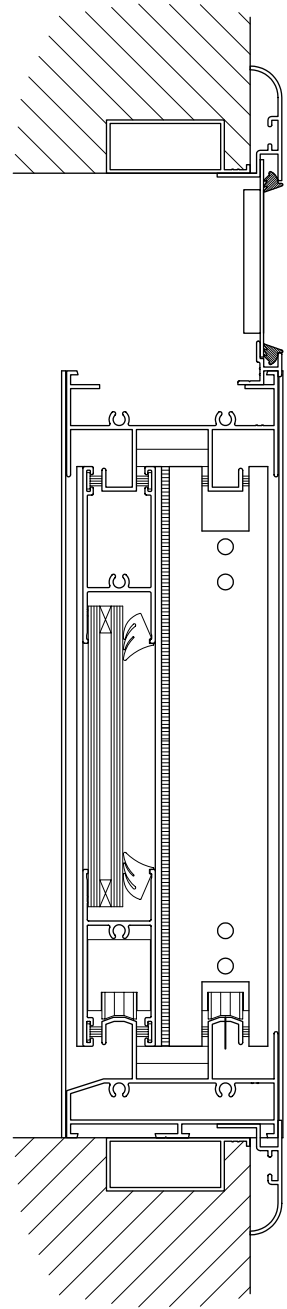
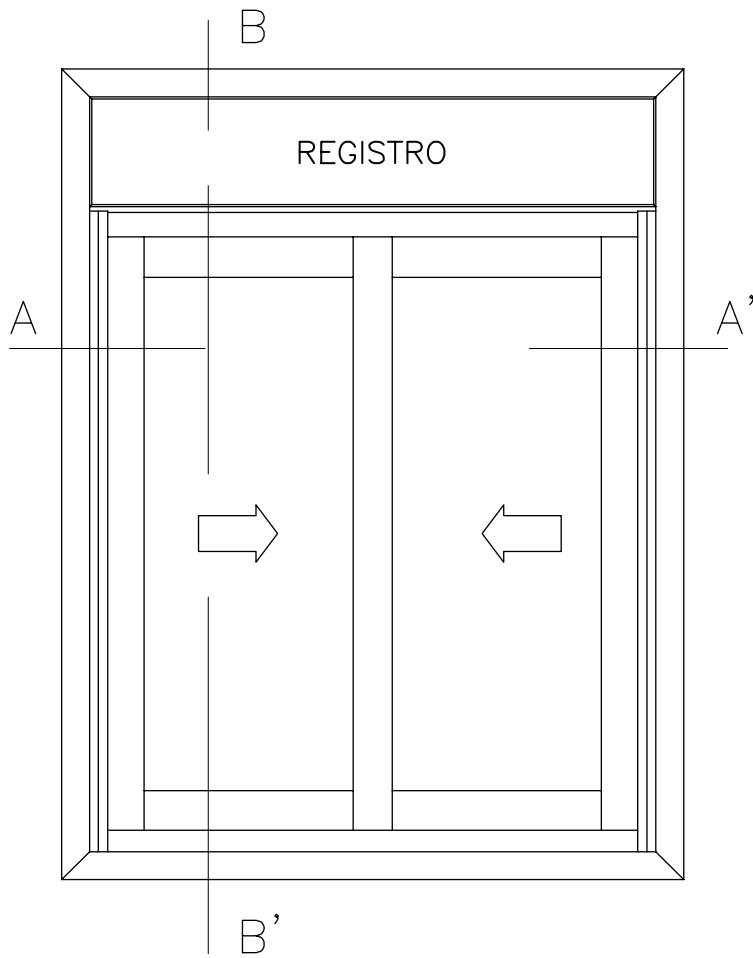
Sección A-A'



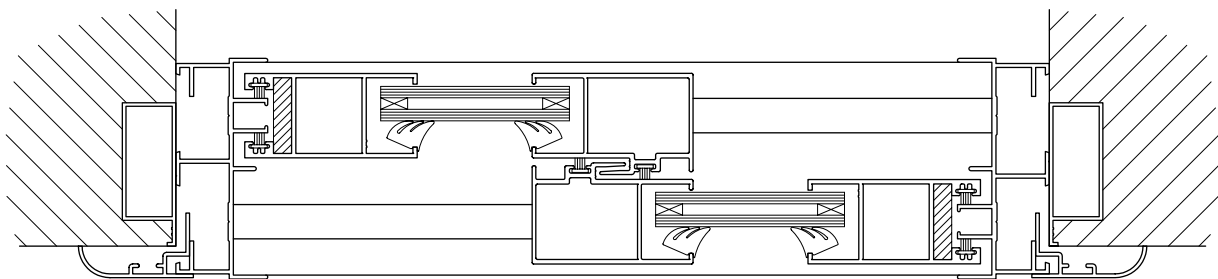
Sección A-A'



Sección B-B'

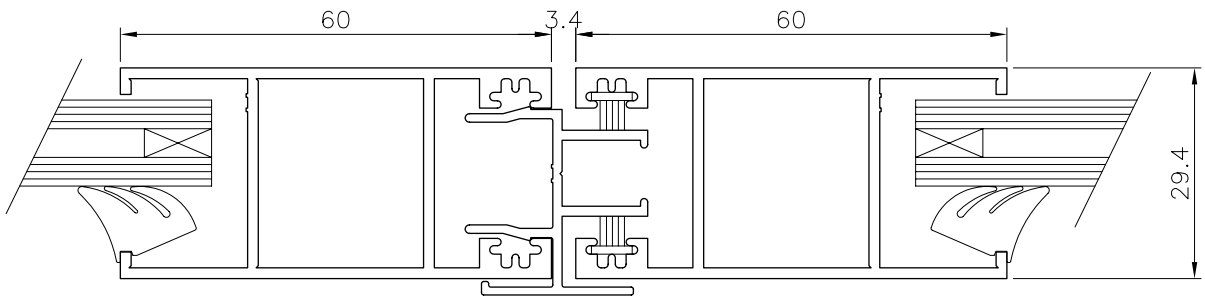


Sección B-B'

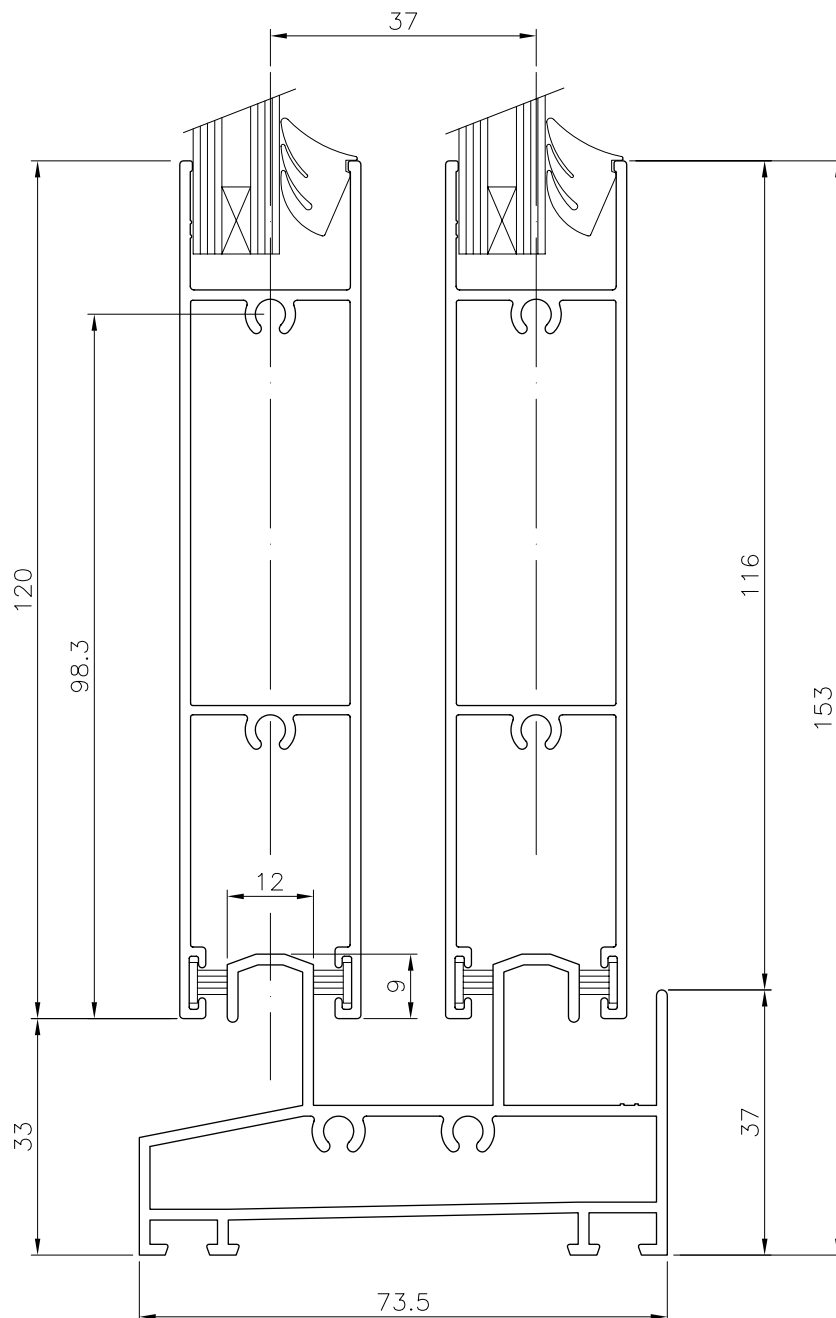


Sección A-A'

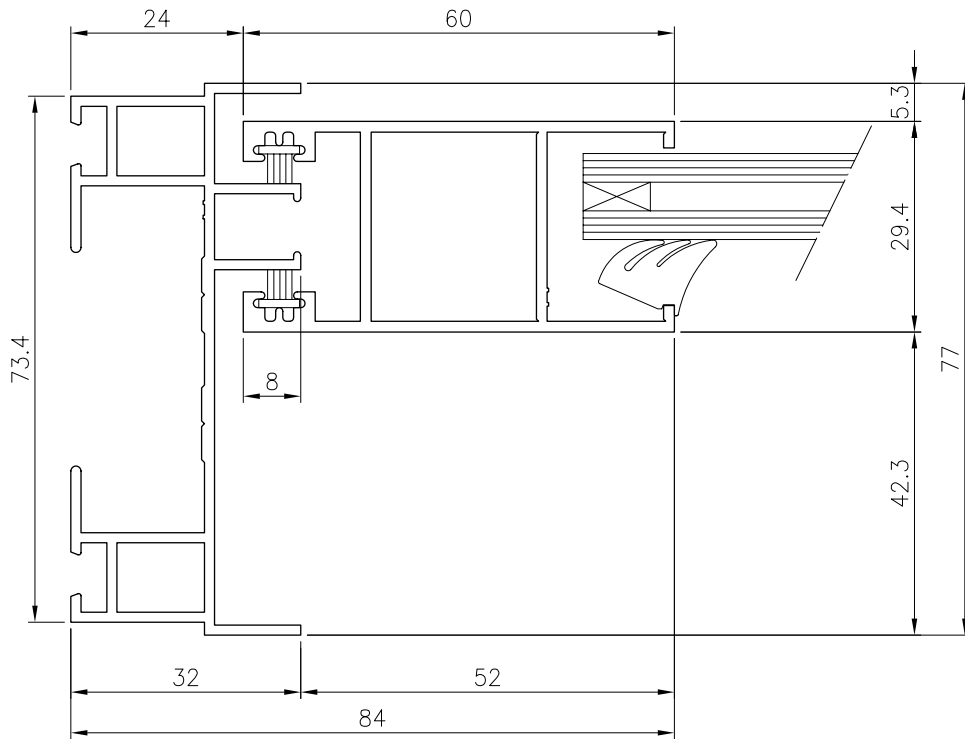
### NUDO CENTRAL VENTANA 4 HOJAS



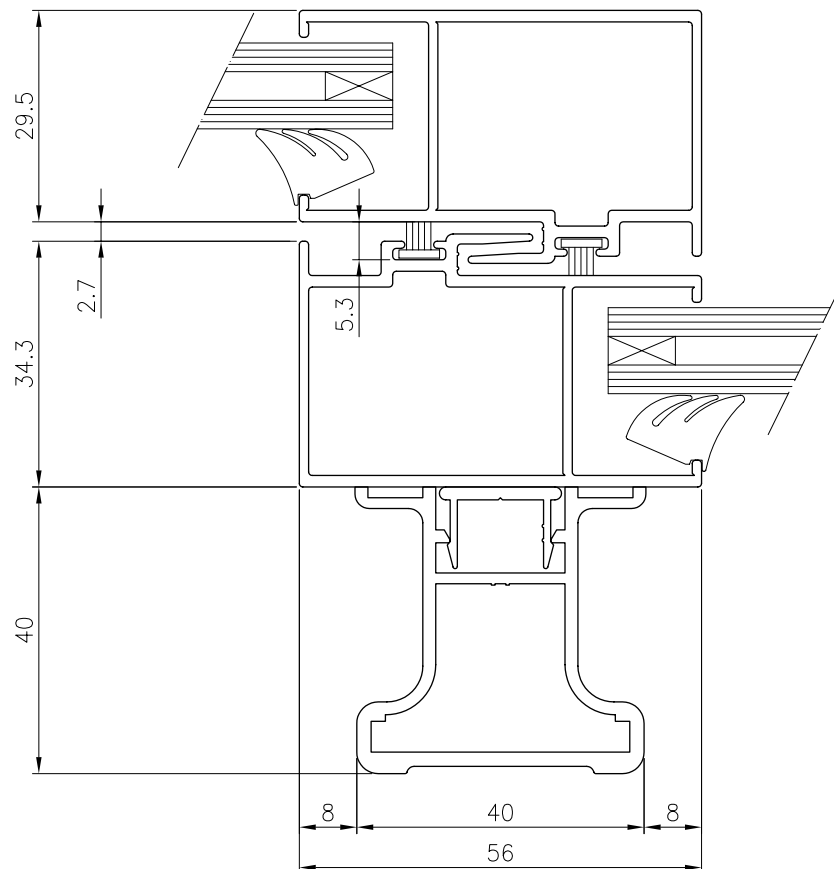
### NUDO INFERIOR VENTANA CON ZOCALO



### NUDO LATERAL VENTANA

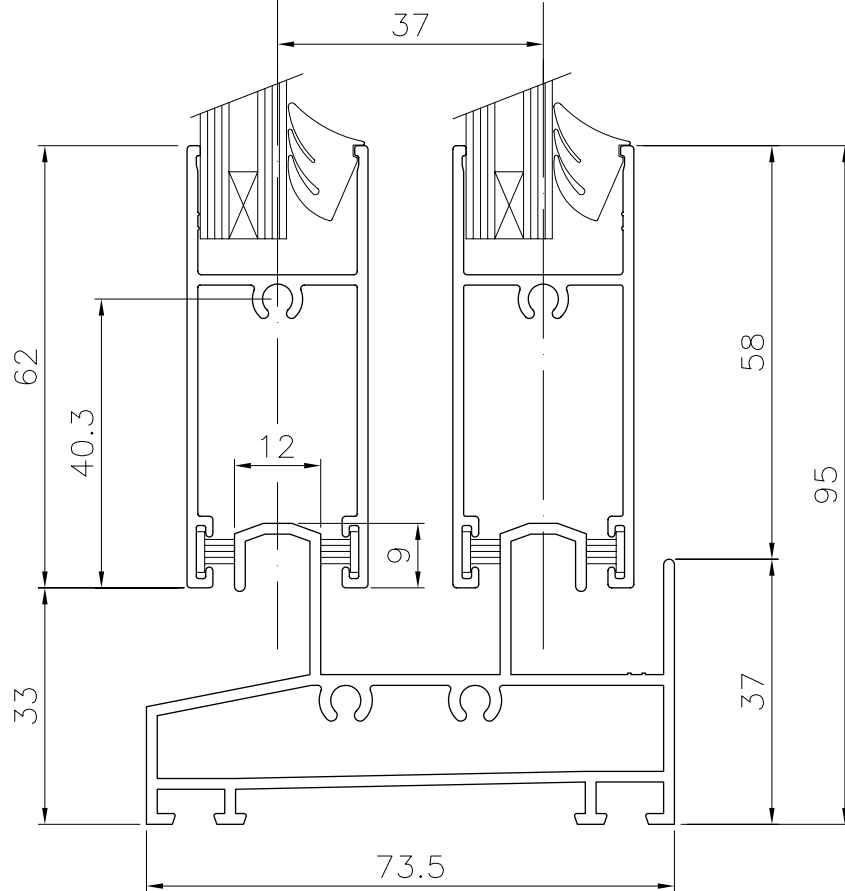
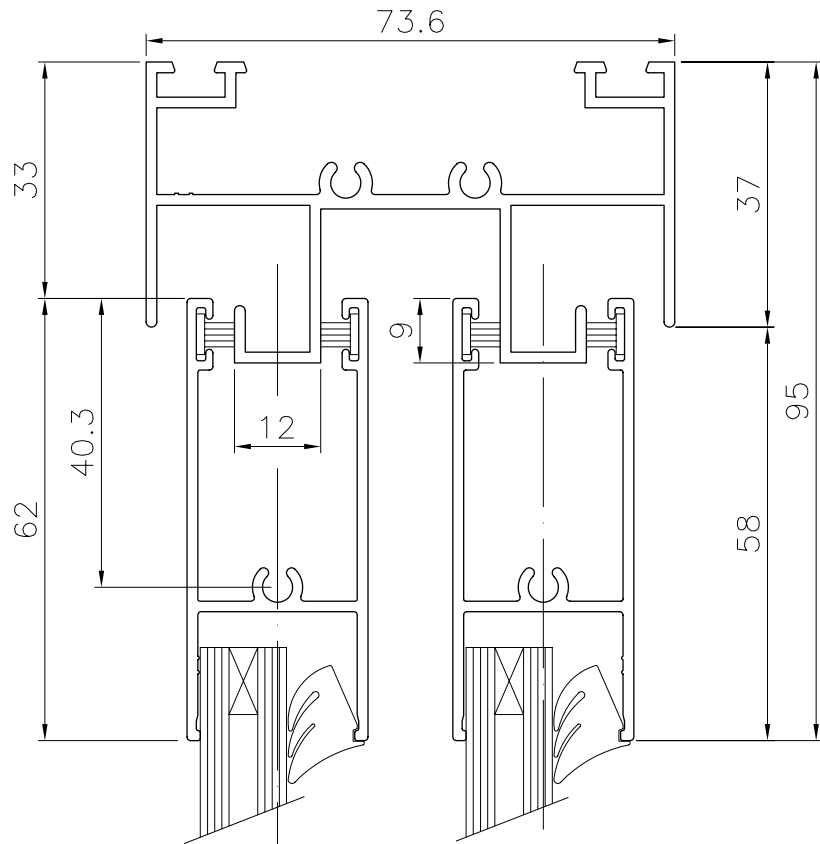


### NUDO CENTRAL REFORZADO



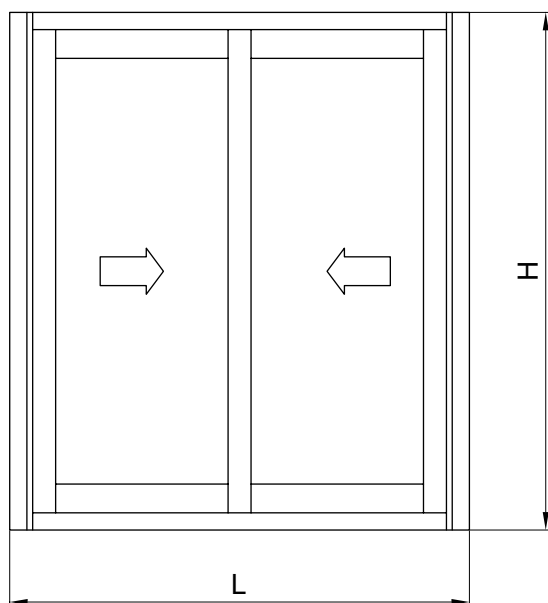


### NUDO SUPERIOR VENTANA



### NUDO INFERIOR VENTANA

## VENTANA DOS HOJAS

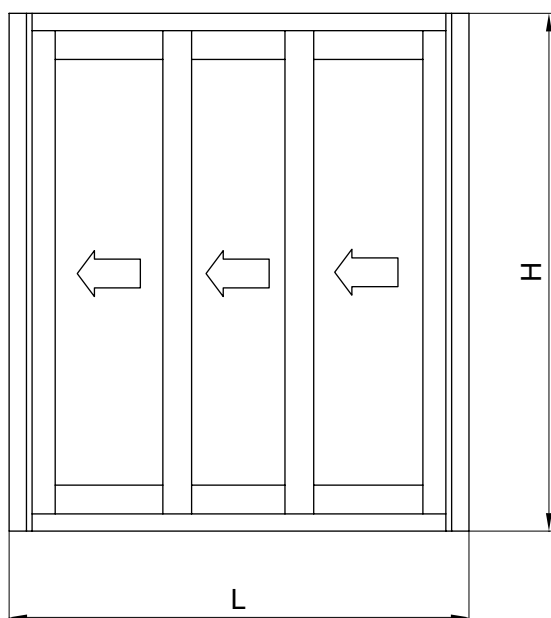


CRISTAL NORMAL Y CÁMARA

$$\text{Ancho} = \frac{L}{2} - 82$$

$$\text{Alto} = H - 162$$

## VENTANA TRES HOJAS



CRISTAL NORMAL Y CÁMARA

$$\text{Ancho Hoja Central} = \frac{L}{3} - 76$$

$$\text{Ancho Hojas Laterales} = \frac{L}{3} - 63$$

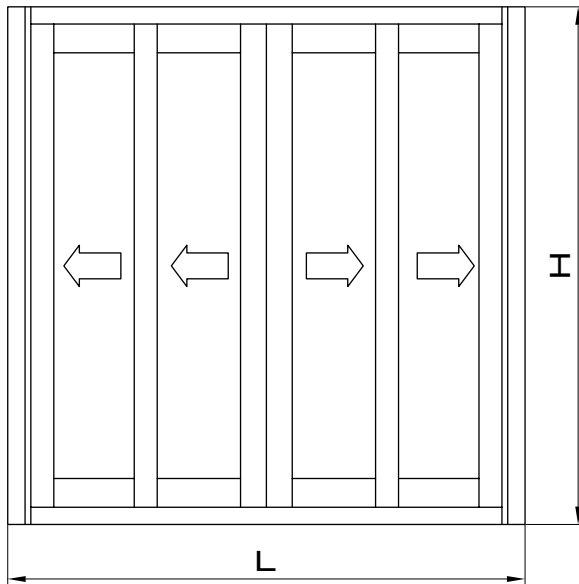
$$\text{Alto} = H - 162$$

LOS 3 CRISTALES IGUALES

$$\text{Ancho} = \frac{L}{3} - 68$$

$$\text{Alto} = H - 162$$

## VENTANA CUATRO HOJAS

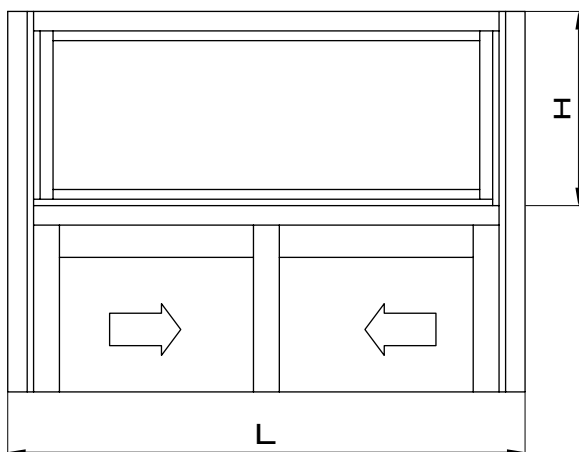


CRISTAL NORMAL Y CAMARA

$$\text{Ancho} = \frac{L}{4} - 75$$

$$\text{Alto} = H - 162$$

## FIJO TRADICIONAL



CRISTAL  
(NORMAL Y CAMARA)

$$\text{Ancho} = L - 87$$

$$\text{Alto} = h - 50$$