

R-4040





A. CARACTERÍSTICAS

1. NOTAS GENERALES
2. DETALLES MONTAJE
3. ENSAYOS Y CERTIFICADOS
4. PRESTACIONES TÉRMICAS

B. ACCESORIOS

1. RELACION

C. ACRISTALAMIENTO

D. PERFILES

1. RELACIÓN PERFILES
2. CERCOS
3. HOJAS
4. COMPLEMENTARIOS
5. NUDOS VENTANAS
6. NUDOS PUERTAS

E. CONFIGURACIONES

1. VENTANAS
2. PUERTAS

F. MECANIZADOS

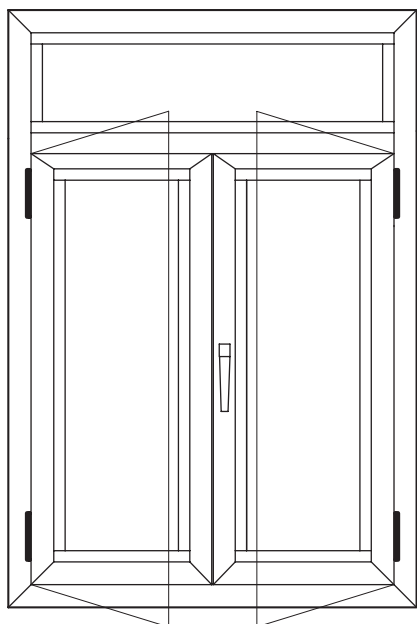
G. HERRAJE

ANEXOS

I. MONTAJE

II. DETALLES

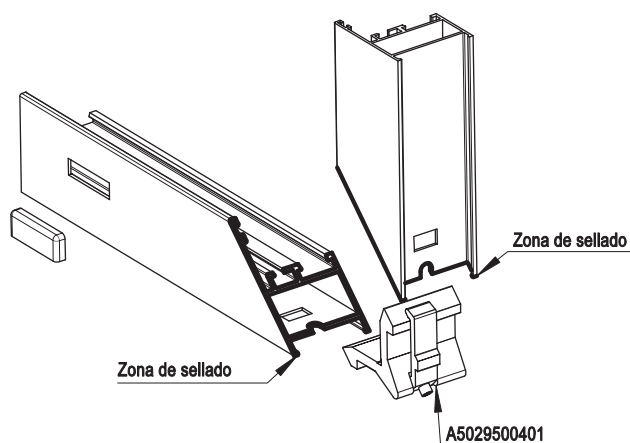
III. CONTROL DIMENSIONAL



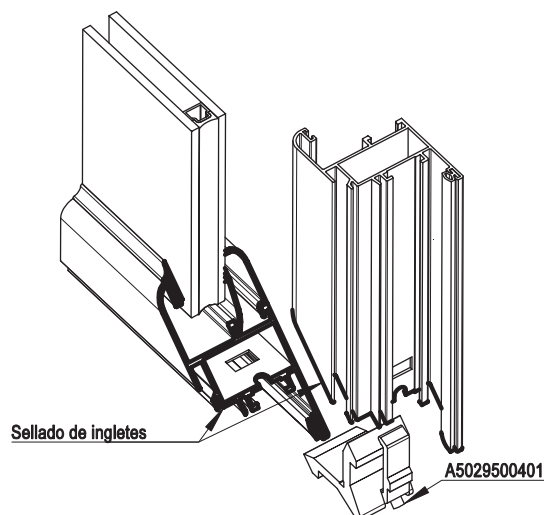
RECOMENDACIONES DE MONTAJE

1. Sellado de todas las uniones entre perfiles de cerco y hoja cortados a inglete y de la unión del travesaño con poliuretano monocomponente.
2. Las uniones a inglete de las juntas de acristalado interna y externa deben ser unidas con sellante.
3. La unión entre la junta central de cerco y el angulo vulcanizado debe hacerse con poliuretano monocomponente limpiando los restos de producto sobrantes.
4. El inglete de la junta perimetral de hoja debe unirse con producto de sellado.
5. La tapa de inversor debe sellarse con poliuretano monocomponente al unirlo con el perfil limpiando los restos de producto sobrante.

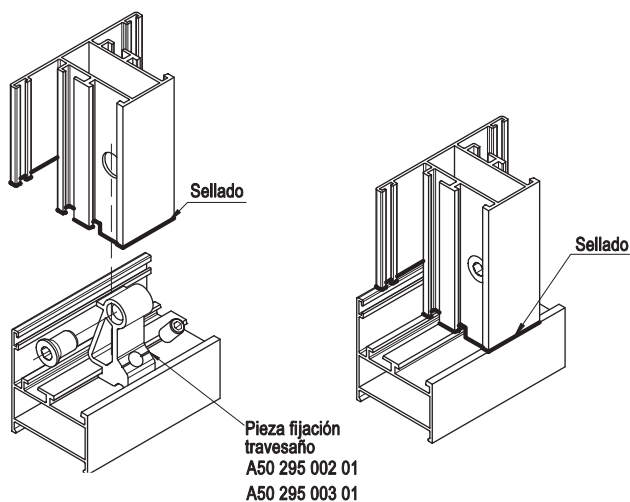
ESCUADRA EN MARCO



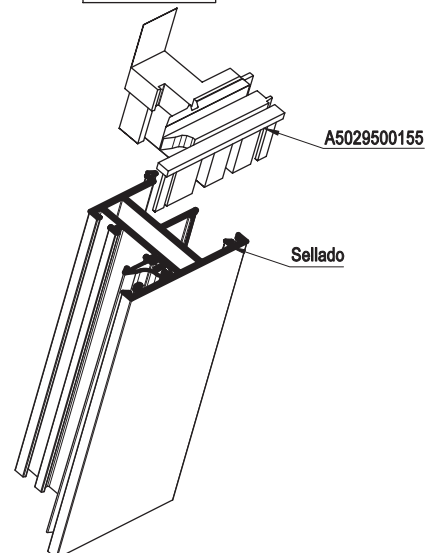
ESCUADRA EN HOJA

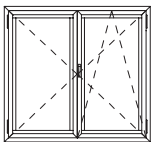
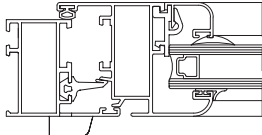
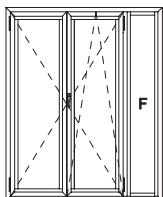
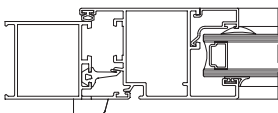
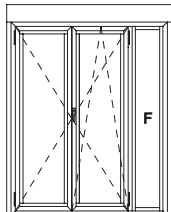
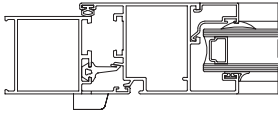


DETALLE UNION TRAVESAÑO

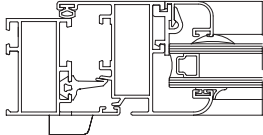


INVERSOR



TIPOLOGIA	MEDIDAS L x H mm	RESULTADOS Aire Agua Viento	SECCIONES	NUMERO EXPED.
	1200x1200	Clase 4 Clase 9A C5		212.334
	1800x2200	Clase 4 Clase 4A C2		21112
	1800x2200 Con monobloc	Clase 4 Clase 4A C2		22690

ENSAYOS REALIZADOS SEGÚN NORMA EN-ISO 10077-2:2003.

SECCIÓN	RESULTADOS $U_f = W/m^2K$	NUMERO CERTIFICADO
	5.70(*)	

(*) Valor por defecto según el catalogo de soluciones constructivas del CTE

REFERENCIA MUESTRA	SECCION	INDICE DE AISLAMIENTO A RUIDO AEREO	INFORME DE ENSAYO
--------------------	---------	-------------------------------------	-------------------

SERIE R4040

VENTANA 2 HOJAS

1200x1200

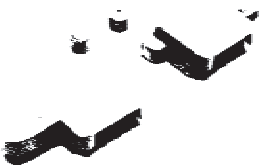
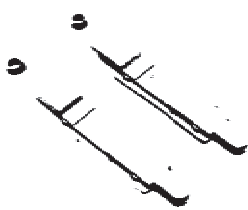
VIDRIO $R_w = 32(-1;-4)$ dB

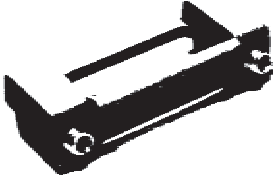
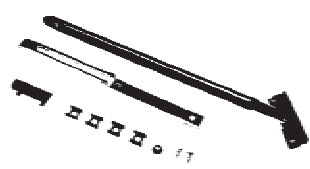
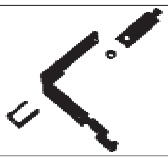
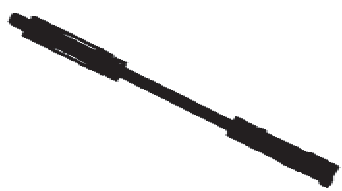
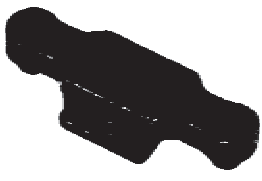


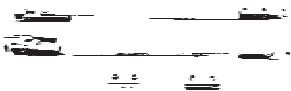
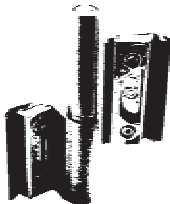
$R_w = 32(-1;-4)$ dB

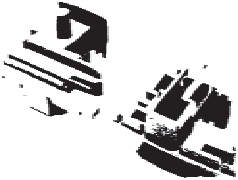
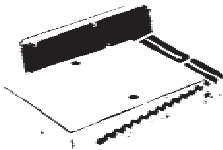
CALCULO

UNE-EN 14351

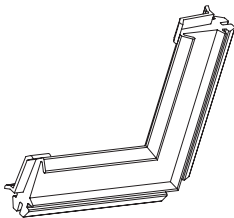
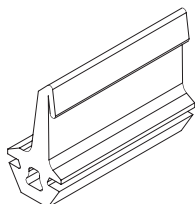
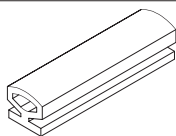
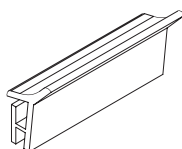
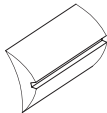
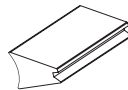
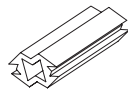
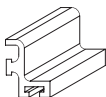
ACCESORIO	DESCRIPCIÓN	REFERENCIA
	Escuadra de aluminio para marco y hoja de ventana	A50 295 004 01
	Escuadra de aluminio para travesaño de ventana	A8-3714-105
	Escuadra de aluminio para marco y hoja de puerta	A50 295 005 01
	Escuadra de aluminio para travesaño de puerta	A8-3731-105
	Tope de travesaño para ventana	A50 295 002 01
	Tope de travesaño para puerta	A50 295 003 01
	Cremona fundida VELA sin manilla	A50 280 066 XX
	Cremona fundida VELA con llave para oscilobatiente	A50 280 067 XX
	Cremona fundida VELA oscilobatiente	A50 280 042 XX
	Cremona fundida VELA apertura exterior en puerta	A50 503 560 XX
	Cremona fundida VELA apertura exterior en ventana	A50 503 450 XX
	Manilla fundida VELA ambidiestra	A50 280 011 XX
	Enganche de cremona a falleba	A50 280 029 55
	Enganche de cremona a falleba ap. exterior en puerta	A50 295 006 01
	Enganche de cremona a falleba ap.exterior en ventan. Tornillos M6 (2 unidades)	A50 280 057 01 A50 280 056 00
	Pieza terminal de falleba en zamac para pasadores A5028002705 y A5028002805	A50 280 031 05
	Juego terminales de falleba en nylon para pasador A5028004455	A50 280 030 55
	Juego terminales de falleba en plástico decentrado	A50 280 046 55

ACCESORIO	DESCRIPCIÓN	REFERENCIA
	Encuentro terminal y tercer punto de cierre en zamac	A50 280 027 05
	Encuentro terminal y tercer punto de cierre en nylon	A50 280 044 55
	Pieza cierre doble terminal y pestillos	A50 280 028 05
	Kit oscilobatiente AR-100 sin cremona ni retenedor	A50 280 150 XX
	Kit oscilobatiente AR-100 con cremona y retenedor	A50 280 113 XX
	Retenedor standard	A50 280 112 01
	Retenedor corto	A50 280 111 01
	Brazo suplementario	A50 280 110 01
	Angulo de reenvío	A50 280 115 05
	Pestillo con terminal en zamac para oscilobatiente	A50 280 097 05
	Pestillo con terminal en acero inox	A50 280 096 05
	Pestillo con pasador tres hojas	A50 280 041 05
	Pestillo de puerta en plástico sin terminal	A50 280 045 55
	Pestillo para dos hojas para pasador A5028002705	A50 280 073 05
	Golpete para ventana tolva metal-plástico	A50 280 079 XX
	Golpete para ventana tolva	A50 280 002 XX
	Enganche para cierre suplementario	A50 280 106 05

ACCESORIO	DESCRIPCIÓN	REFERENCIA
	Juego de compases desenganchables para tolva	A50 295 007 00
	Salida de aguas negra	A00 509 261 55
	Grapa para fijación de junquillos curvos	A50 404 033 55
	Bisagra deslizante reversible con contrachapa en zamac	A50 280 001 XX
	Bisagra deslizante reversible tres hojas en zamac	A50 280 013 XX
	Bisagra oscilobatiente dos hojas	A50 280 180 XX
	Bisagra dos palas distancia entre ejes 71.5 mm	A50 280 015 XX
	Bisagra tres palas distancia entre ejes 71.5 mm	A50 280 014 XX
	Calce de 7 mm para bisagra	A50 280 016 XX

ACCESORIO	DESCRIPCIÓN	REFERENCIA
	Tapa flexible para perfil central Ref. 4.312	A50 295 001 55
	Cuña regulable	A00 507 710 55
	Taco calce vidrio 5 mm	A00 507 705 55
	Fijacion a muro	A00 510 480 01
	Kit 1ª hoja terminal nylon/inox, cerradero fijo nylon	A50 280 151 55
	Kit 1ª hoja terminal nylon, cerradero fijo nylon	A50 280 152 55
	Kit 1ª hoja terminal nylon/inox, cerradero fijo zamack	A50 280 153 05
	Kit 1ª hoja terminal nylon/inox, cerradero regul. zamack	A50 280 154 05
	Kit 2ª hoja terminal nylon/inox, cerradero fijo zamack	A50 280 155 05
	Kit 2ª hoja terminal nylon/inox, cerradero regul. zamack	A50 280 156 05
	Kit 2ª hoja oscilo terminal zamack, cerradero regul.zamack	A50 280 157 05

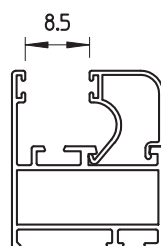
ACCESORIOS DE KIKAU	DESCRIPCIÓN	REFERENCIA
	Goma de estanqueidad media	AK008/60-U
	Junta de lamas KIKAU	AK007/60-C
	Manilla Universal ZAMAC	AK016/K60-B
	Compensador KIKAU	AK012/60-K
	Lamas fijas	AK013
	Pareja movimiento orientable	AK001/60-A
	Pareja movimiento orientable con manilla	AK016/K60
	Pareja movimiento orientable con manivela	AK026/K60
	Pareja movimiento orientable con rueda	AK027/K60
	Distanciador universal	AK003/U
	Distanciador para travesaño	AK003/55

ACCESORIO	DESCRIPCIÓN	REFERENCIA
	Angulo central para junta A0G 114 1 080	A50 295 014 05
	Junta central para marco pico-pato en EPDM	A0G 114 1 080
	Goma batiente	A0G3553RG+FL
	Goma de acristalar	A0G3633RG+FL
	Junta interior para vidrio en en cuña en PVC espesor 2.5mm	A00G 115 1 001
	Junta interior para vidrio en en cuña en PVC espesor 3.5mm	A00G 115 1 002
	Junta interior para vidrio en en cuña en PVC espesor 6.5mm	A00G 115 1 003
	Junta de unión para marcos en PVC	A00G 117 1 013
	Junta lateral inferior para zócalo de puerta	A00G 116 1 030

REFERENCIA	GOMA EXTERIOR	SECCION
A0G3633RG+FL	A = 1	

REFERENCIA	GOMA INTERIOR	SECCION
A00G1151001	C = 2.5	
A00G1151002	D = 3.5	
A00G1151003	E = 6.5	

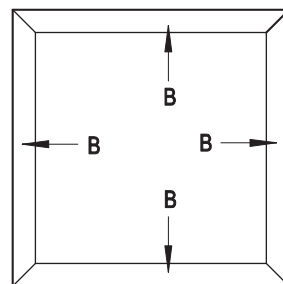
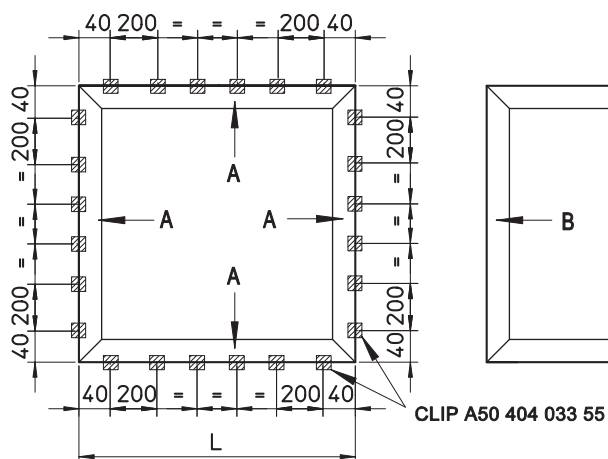
ESPESOR VIDRIO	HUECO (H) SIN GOMAS	JUNQUILLOS	GOMA EXTERIOR		GOMA INTERIOR		
			A	B	C	D	E
1	8.5	 10.376	●				●
4			●			●	
5			●		●		
3	10.5	 10.379	●				●
6			●			●	
7			●		●		
4	11.5	 10.377	●				●
7			●			●	
8			●		●		
9	17	 10.540	●				●
12			●			●	
13			●		●		
11	18.5	 11.324	●				●
14			●			●	
15			●		●		
14	22	 10.378	●				●
17			●			●	
18			●		●		
18	26	 10.561	●				●
21			●			●	
22			●		●		



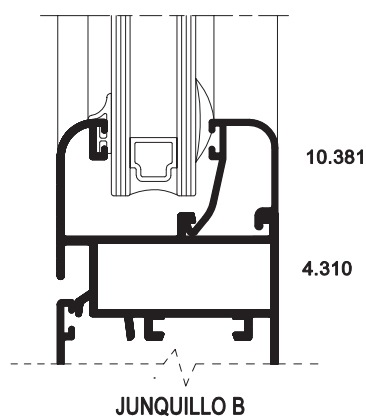
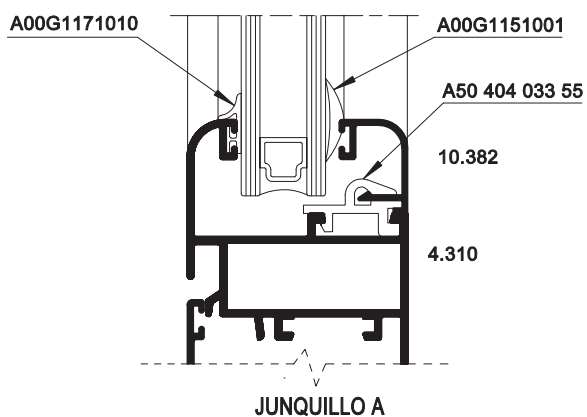
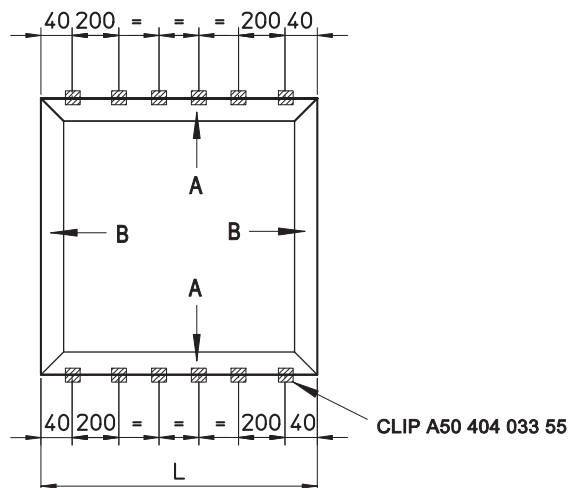
SOLUCION 1

SOLUCION 2

SECCIONES	DIMENSIONES
(B)	(A)
	28 mm
10.376	
	26 mm
10.379	
	26 mm
10.380	
	26 mm
10.377	
	19.5 mm
10.540	
	19.5 mm
10.541	
10.542	
	18 mm
11.324	
	14.5 mm
10.381	
	14.5 mm
10.378	
	14.5 mm
11.410	
10.382	
	10.5 mm
10.561	



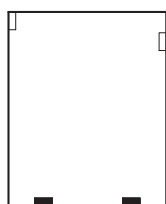
SOLUCION 3



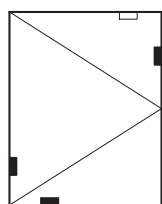
JUNQUILLO A

JUNQUILLO B

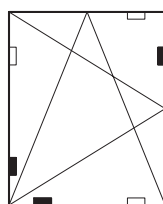
POSICIÓN DE LOS CALZOS DE ACRISTALAMIENTO SEGUN TIPOS DE APERTURA



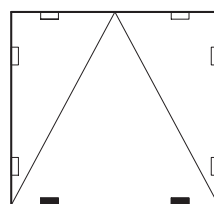
FIJO



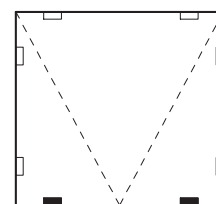
BATIENTE INTERIOR



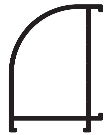
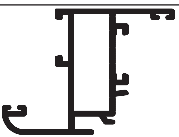
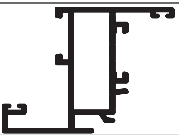
OSCIOBATIENTE

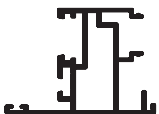
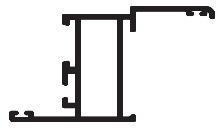
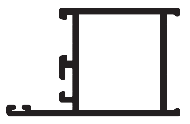
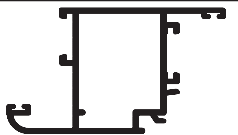
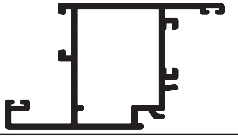
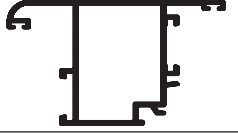
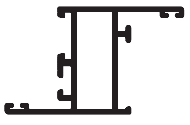


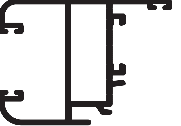
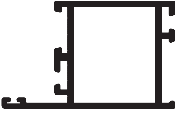
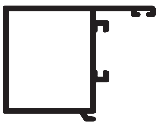
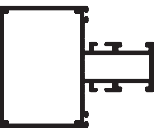
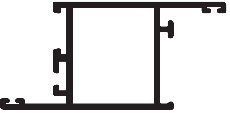
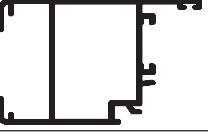
OSCILANTE EJE INFERIOR

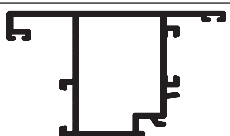
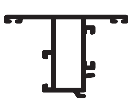
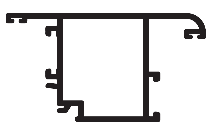
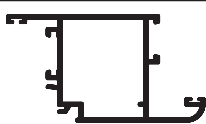
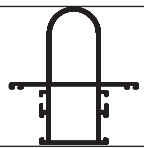
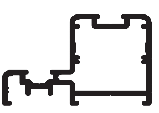
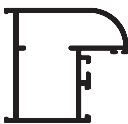
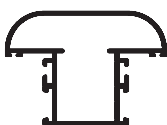


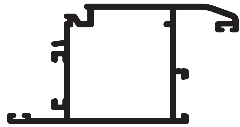
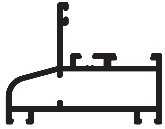
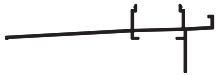
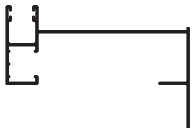
OSCILANTE EJE SUPERIOR

PERFIL	SECCION 	DESCRIPCION	PERIMETRO Interior (mm.) Exterior (mm.) Total (mm.)	MTO. INERCIA I _x (cm. ⁴) I _y (cm. ⁴)
936		Escuadra de 72 mm	200	
3.694			405 605	
1.253		Esquinero recto de 52 mm	165	10.79
837			247 412	10.79
1.353		Lama tubular de 50 x 10	104	
348			111 215	
1.564		Esquinero curvo de 80 mm	234	26.60
1.102			275 509	26.60
2.022		Lama tubular de 40 x 14 con portatornillos	171	
594			144 315	
2.569		Esquinero curvo de 45°	124	6.41
683			214 338	4.96
3.631		Esquinero curvo de 49 mm	148	6.58
629			203 351	6.58
3.750		Esquinero curvo de 74 mm	200	22.17
915			281 481	12.67
3.908		Esquinero curvo de 50 mm	150	7.06
645			212 362	7.06
4.309		Marco de 47 mm	104	5.16
640			248 352	3.08
4.310		Hoja curva	104	9.09
853			359 463	6.68
4.311		Hoja recta	104	9.33
853			366 470	7.09

PERFIL	SECCION 	DESCRIPCION	PERIMETRO Interior (mm.) Exterior (mm.) Total (mm.)	MTO. INERCIA I _x (cm. ⁴) I _y (cm. ⁴)
4.312		Perfil inversor	104	6.19
802			352 456	4.84
4.313		Marco con solape de 57 mm	104	7.79
786			336 440	8.19
4.314		Travesaño de 67 mm	104	6.18
815			339 443	6.26
4.315		Marco de puerta de 64 mm	137	7.70
853			283 420	9.74
4.316		Hoja curva de puerta	155	12.91
1.104			384 539	16.94
4.317		Hoja recta de puerta	155	13.17
1.115			395 550	17.74
4.318		Travesaño de puerta	137	8.78
1.031			373 510	16.12
4.319		Travesaño de puerta portatornillos	252	13.45
1.426			443 695	57.88
4.320		Zocalo de 120 mm	276	14.98
1.499			458 734	74.65
4.321		Hoja curva de puerta apertura exterior	151	12.05
1.094			384 535	16.88
4.453		Marco con solape de 47 mm	104	6.64
761			318 422	5.96
4.467		Lama fija y/o blindada	131	
435			138 269	

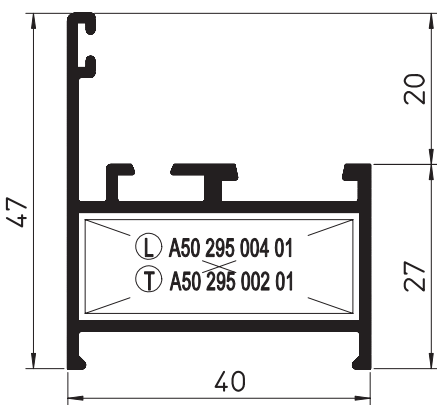
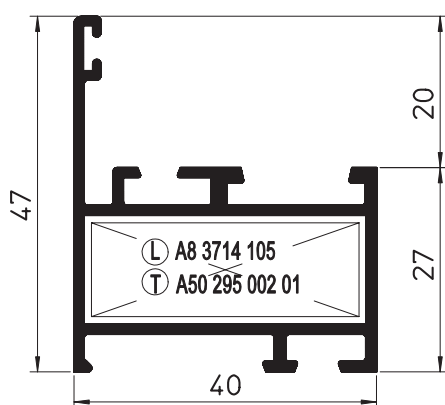
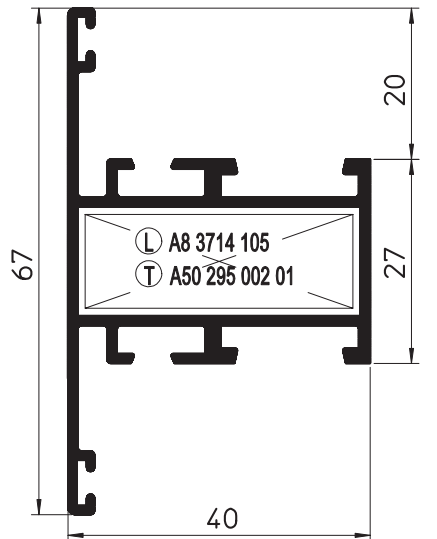
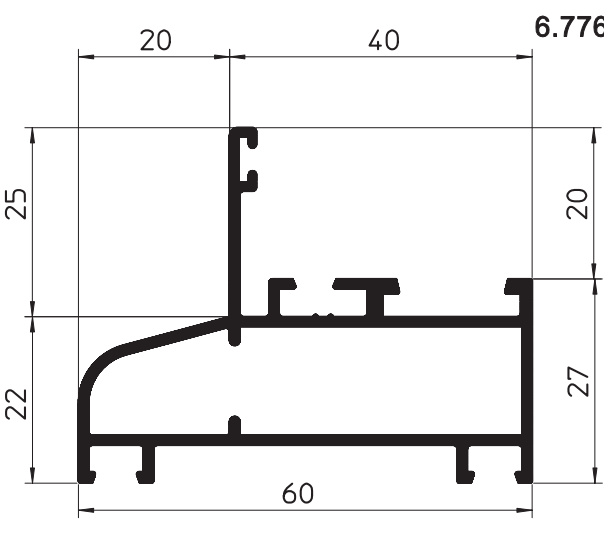
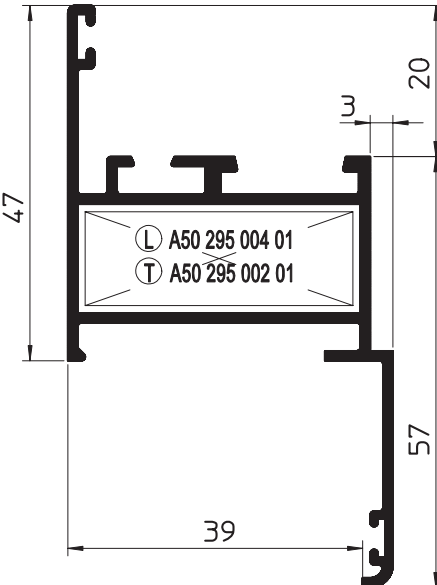
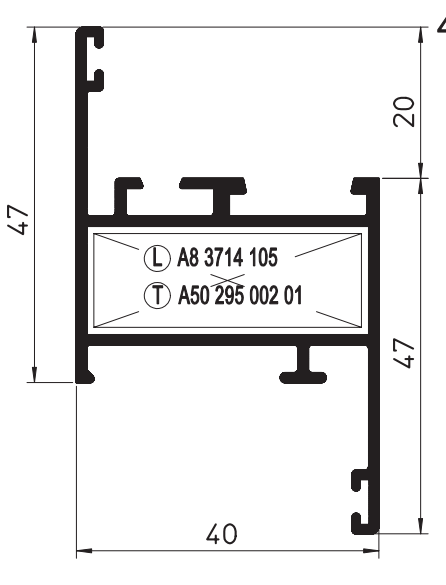
PERFIL	SECCION 	DESCRIPCION	PERIMETRO Interior (mm.) Exterior (mm.) Total (mm.)	MTO. INERCIA I _x (cm. ⁴) I _y (cm. ⁴)
4.468		Lama orientable	163	
562			182 345	
4.469		Media lama	68	
437			174 242	
4.470		Travesaño mallorquina KIKAU	117	7.52
837			307 424	6.70
4.507		Hoja curva ajunquillada vidrio cámara de 18 mm.	104	10.43
942			427 531	9.68
4.508		Hoja curva ajunquillada para vidrio de 8 mm.	104	10.25
977			447 551	10.63
4.517		Marco para solape de 47 mm	104	5.44
683			268 372	3.51
4.518		Marco de puerta para solape	137	7.93
894			302 439	10.76
4.558		Hoja mallorquina para lama fija	150	6.22
724			256 406	6.86
4.648		Travesaño reforzado	311	24.96
1.455			420 731	42.42
4.682		Marco de puerta con solape	137	9.24
980			352 489	15.27
4.714		Hoja mallorquina KIKAU para lama regulable	150	13.34
1.069			395 545	16.98
4.766		Zocalo mallorquina KIKAU	276	15.18
1.523			399 675	68.67

PERFIL	SECCION 	DESCRIPCION	PERIMETRO Interior (mm.) Exterior (mm.) Total (mm.)	MTO. INERCIÓN I _x (cm. ⁴) I _y (cm. ⁴)
4.837		Hoja recta de puerta apertura exterior	151	12.25
1.096			390 541	17.84
6.606		Hoja móvil para acristalar	156	7.03
0.831			274 430	8.51
6.025		Hoja apertura exterior de 64.5 mm	104	6.19
745			309 413	5.40
6.231		Hoja de puerta apertura exterior de 87.1 mm	161	12.79
1.107			391 552	20.83
6.232		Hoja de puerta apertura interior de 87.1 mm	165	13.66
1.118			391 556	20.92
6.243		Travesaño reforzado redondo	281	42.50
1.660			457 738	20.97
6.252		Marco a muro Apertura Libro	193	8.26
1.069			334 527	21.77
6.253		Hoja móvil	148	7.47
0.794			261 409	9.12
6.254		Travesaño y/o zocalo	276	14.98
1.304			458 734	74.65
6.263		Marco de puerta redondeado	233	18.32
1.112			314 547	15.5
6.264		Travesaño de puerta redondeado	276	20.05
1.361			395 671	28.31
6.700		Zocalo de 120 con 4 portatornillos	321	14.92
1577			447 768	78.76

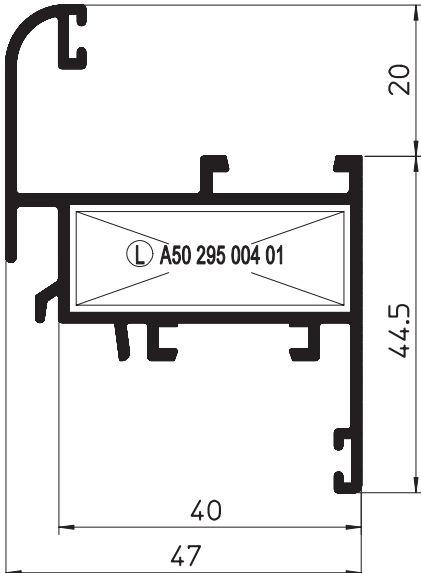
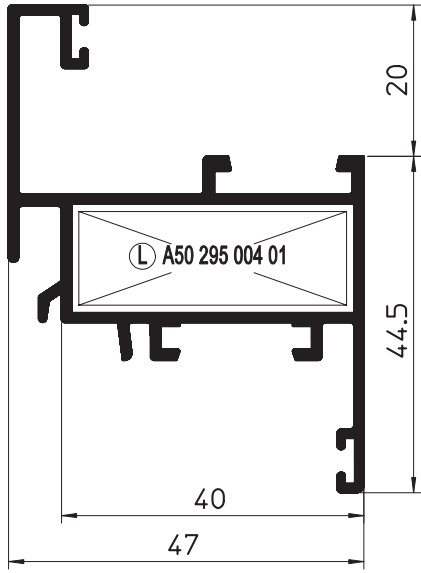
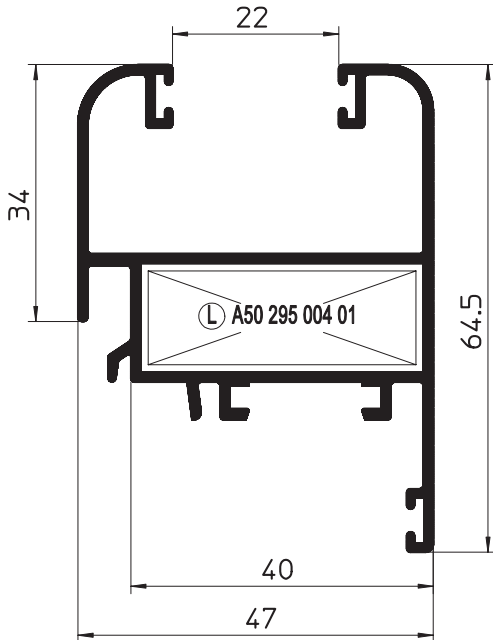
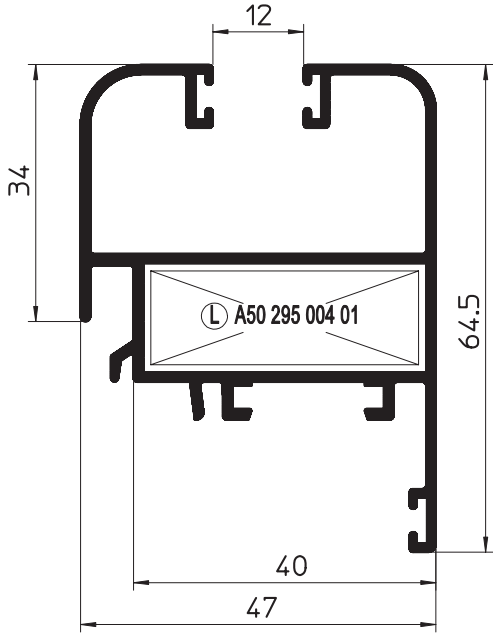
PERFIL	SECCION 	DESCRIPCION	PERIMETRO Interior (mm.) Exterior (mm.) Total (mm.)	MTO. INERCIA I _x (cm. ⁴) I _y (cm. ⁴)
6.742		Hoja curva	108	9.31
859			352 460	6.81
6.743		Hoja curva ajunquillada para vidrio de 8mm.	108	10.12
972			439 547	10.45
6.744		Hoja curva ajunquillada para vidrio cámara de 18mm	108	10.21
937			419 527	9.49
6.745		Inversor curvo	111	7.33
878			369 480	5.87
6.746		Hoja curva de puerta	173	24.23
1148			398 571	14.19
6.776		Cerco	146	3.85
818			304 450	10.59
10.733		Suplemento para lama fija	-	0.54
378			204 204	2.55
10.839		Perfil recogecondensaciones con alargadera de 95 mm	-	2.78
1.077			512 512	79.77
10.868		Guía de persiana de 120 mm	-	14.35
1.145			650 650	97.74
11.101		Perfil recogecondensaciones de 20 con alargadera de 85 mm	-	
918			437 437	
11.104		Reductor Universal	-	
0.335			175 175	
11.106		Guía en suelo Apertura Libro	-	
0.786			348 348	

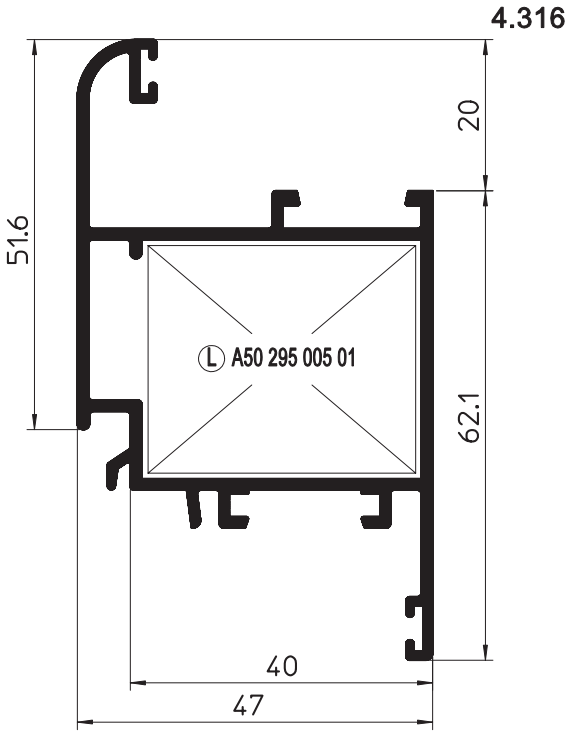
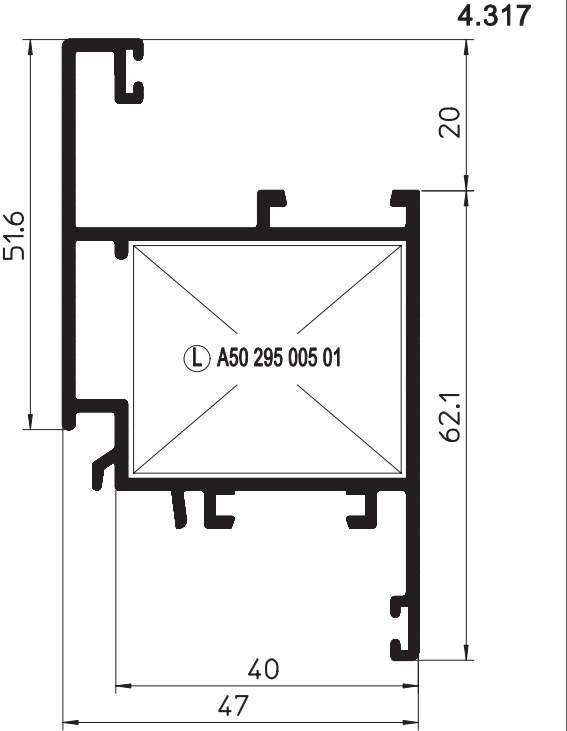
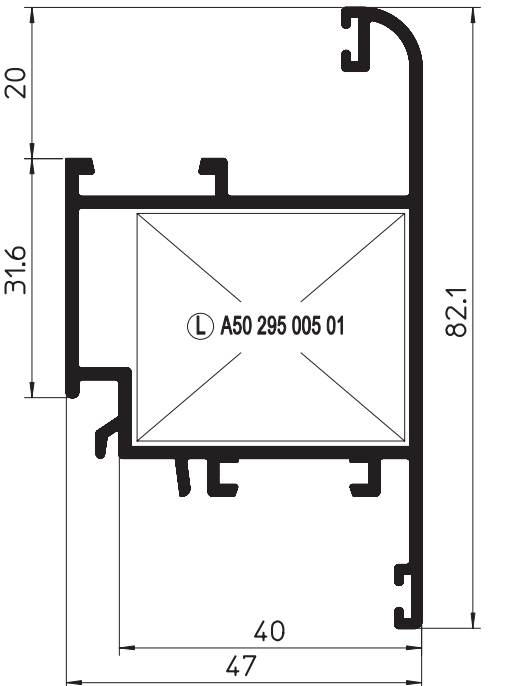
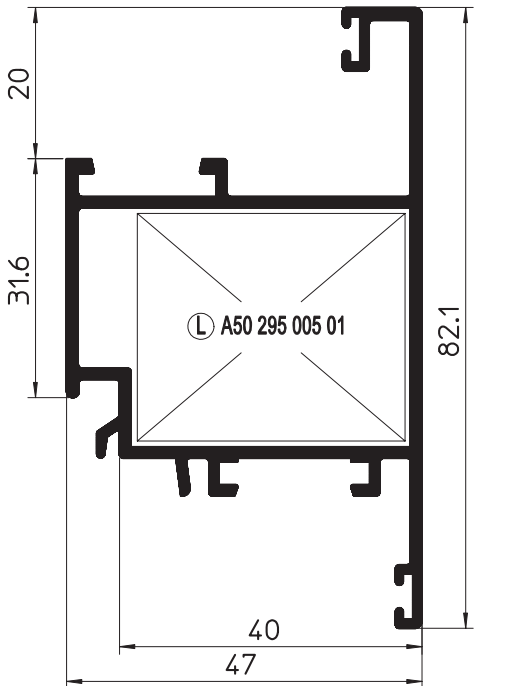
PERFIL	SECCION	DESCRIPCION	PERIMETRO	MTO. INERCIA
PESO (gr./m.)			Interior (mm.) Exterior (mm.) Total (mm.)	Ix (cm. ⁴) Iy (cm. ⁴)
11.107		Guía Sujetar	-	
0.637			210 210	
11.130		Perfil de remate para zocalo	-	
200			111 111	
11.223		Perfil recogecondensaciones de 20 con alargadera de 42 mm	-	
694			351 351	
400.461		Perfil recogecondensaciones con alargadera de 42 mm	-	0.61
556			292 292	14.77
400.738		Perfil de unión	-	
311			156 156	
400.799		Escuadra de 65 mm	-	
2.722			340 340	
600.411		Tapa para puerta vaiven	-	
270			136 136	
600.496		Perfil recogecondensaciones con alargadera de 15 mm	-	1.36
557			276 276	7.83
600.555		Perfil recogecondensaciones con alargadera de 64 mm	-	0.69
678			332 332	28.11
700.555		Suplemento para lama atornillada	-	0.09
246			147 147	2.46
700.556		Lama de 40 x 41 con portatornillos	-	
311			160 160	
800.102		Angulo solape	-	
348			194 194	

sapa:

SECCION  CERCO DE 47 mm	SECCION  CERCO PARA SOLAPE DE 47 mm
 TRAVESAÑO DE 67 mm	 CERCO
 CERCO CON SOLAPE DE 57 mm	 CERCO CON SOLAPE DE 47 mm

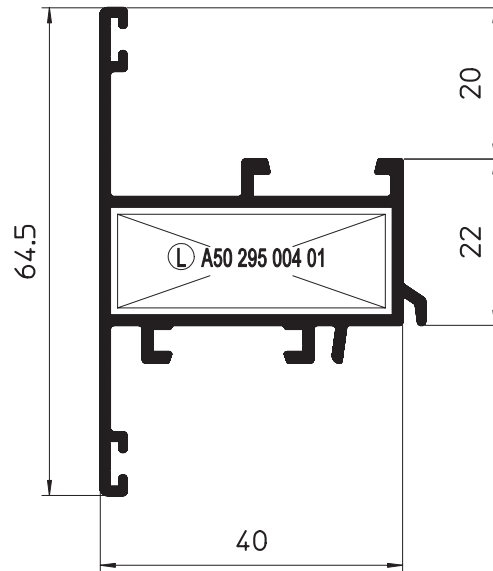
SECCION	SECCION
4.315 CERCO DE PUERTA DE 64 mm	4.518 CERCO DE PUERTA PARA SOLAPE
6.263 CERCO DE PUERTA REDONDEADO	4.682 CERCO DE PUERTA CON SOLAPE

SECCION 4.310  HOJA CURVA	SECCION 4.311  HOJA RECTA
4.507  HOJA CURVA AJUNQUILLADA VIDRIO CAMARA DE 18 mm	4.508  HOJA CURVA AJUNQUILLADA PARA VIDRIO DE 8 mm

SECCION  HOJA CURVA DE PUERTA	SECCION  HOJA RECTA DE PUERTA
4.321  HOJA CURVA DE PUERTA APERTURA EXTERIOR	4.837  HOJA RECTA DE PUERTA APERTURA EXTERIOR

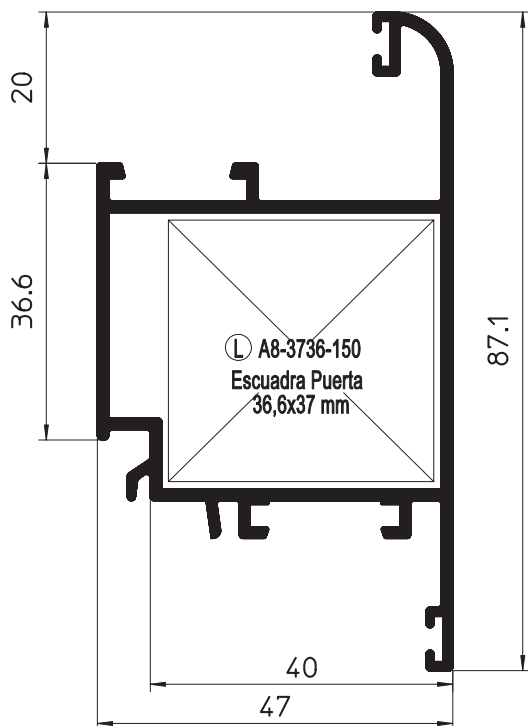
SECCION

6.025



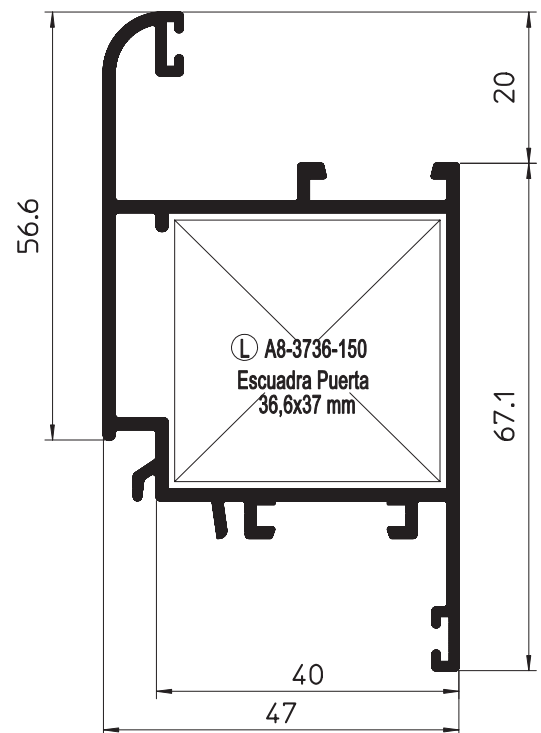
HOJA APERTURA EXTERIOR
DE 64.5 mm

6.231

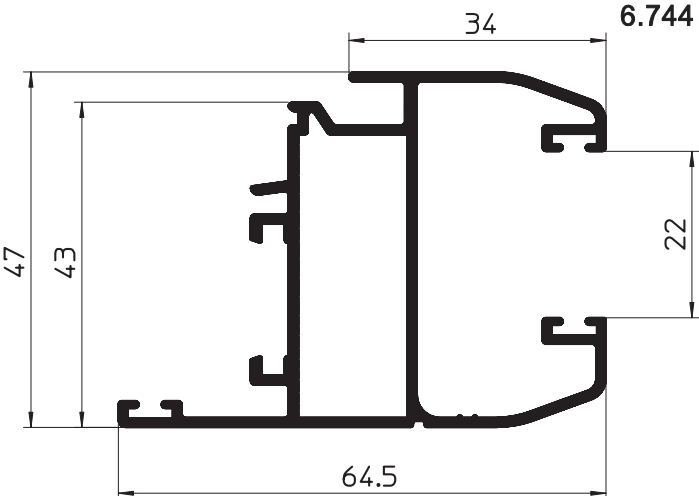
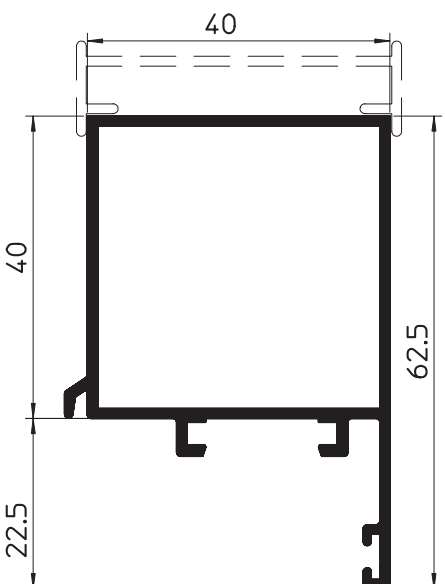
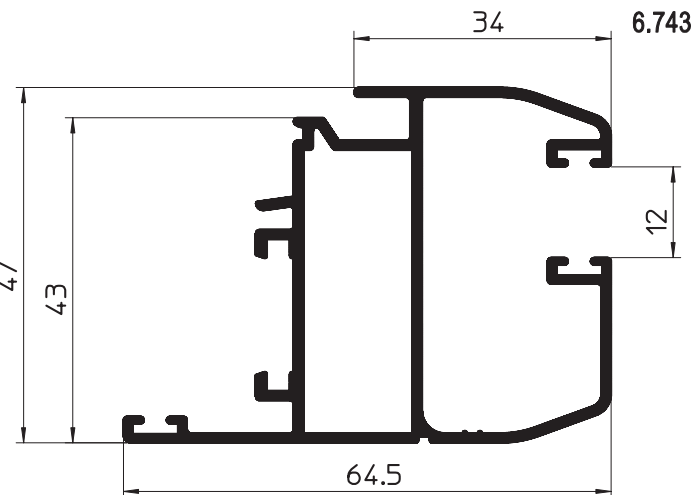
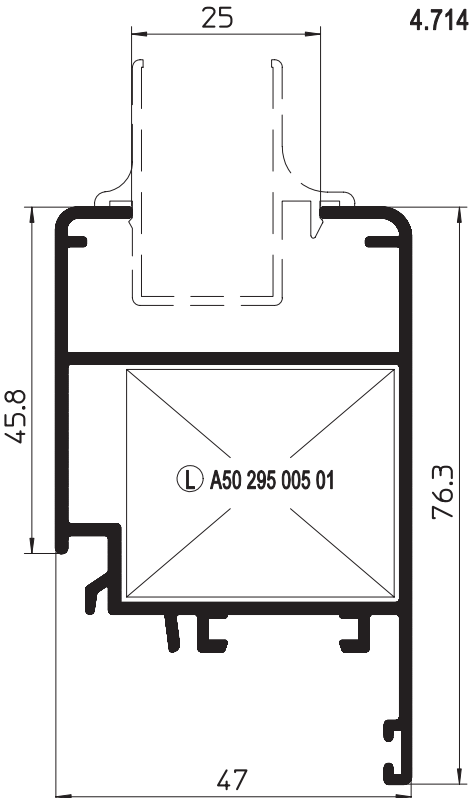
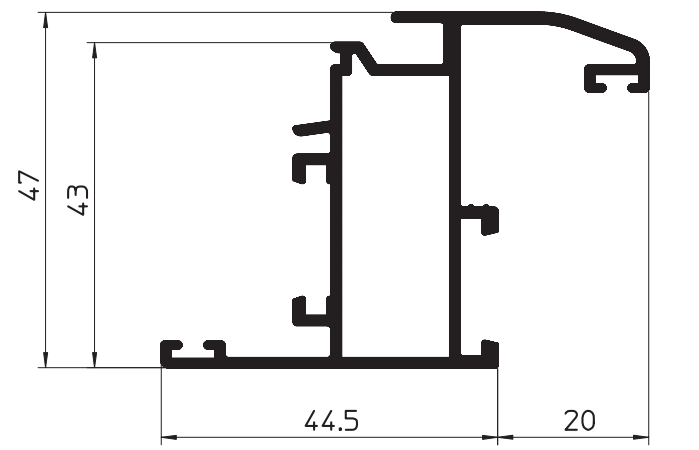


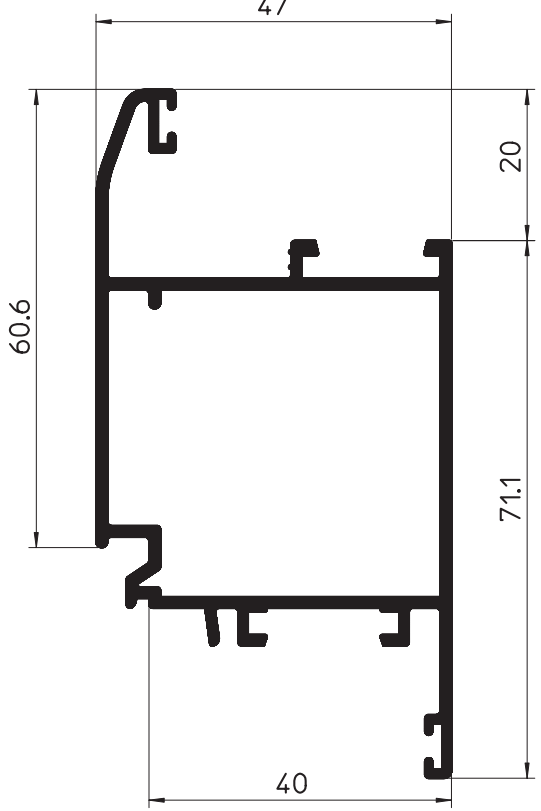
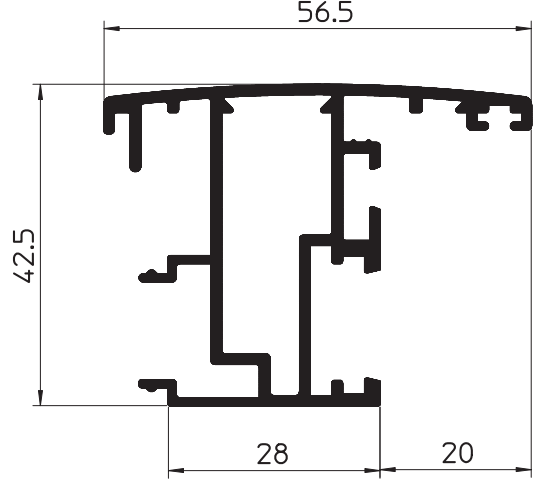
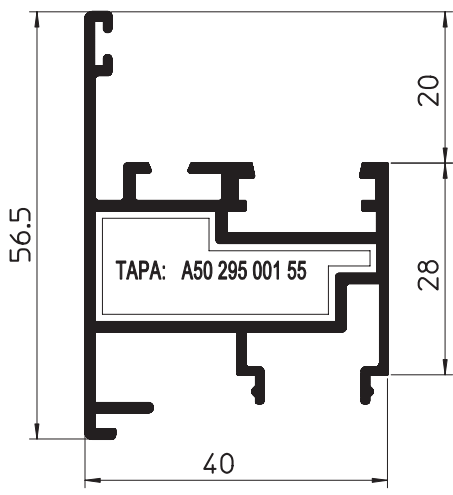
HOJA PUERTA APERTURA
EXTERIOR DE 87,1mm.

6.232

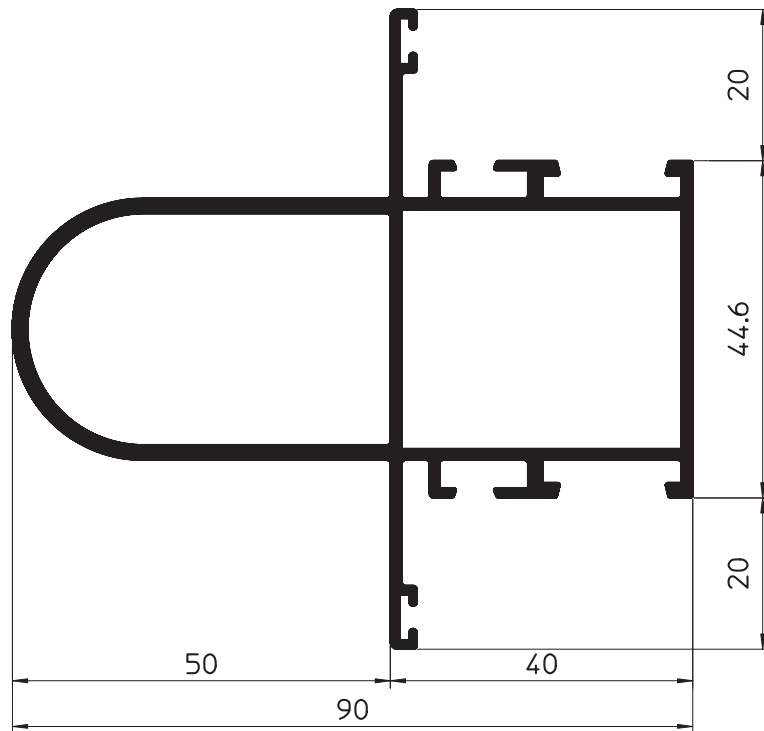


HOJA PUERTA APERTURA
INTERIOR DE 87,1mm.

SECCION	SECCION
 HOJA CURVA AJUNQUILLADA PARA VIDRIO CAMARA DE 18mm	 HOJA MALLORQUINA PARA LAMA FIJA
 HOJA CURVA AJUNQUILLADA PARA VIDRIO DE 8mm	 HOJA MALLORQUINA KIKAU
 HOJA CURVA	

SECCION	SECCION
6.746  HOJA CURVA DE PUERTA	6.745  INVERSOR CURVO
4.312  PERFIL INVERSOR	

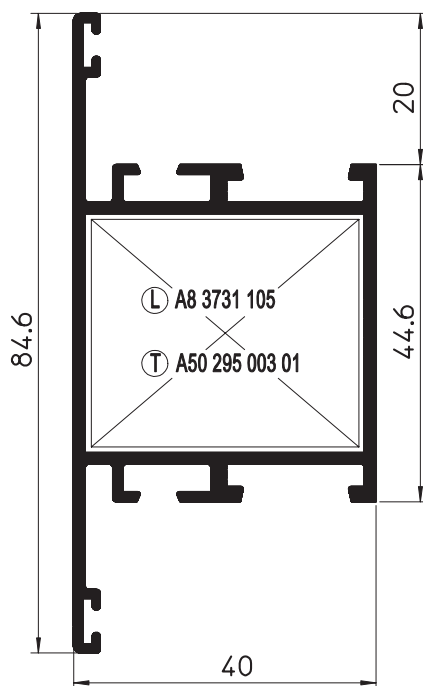
SECCION



6.243

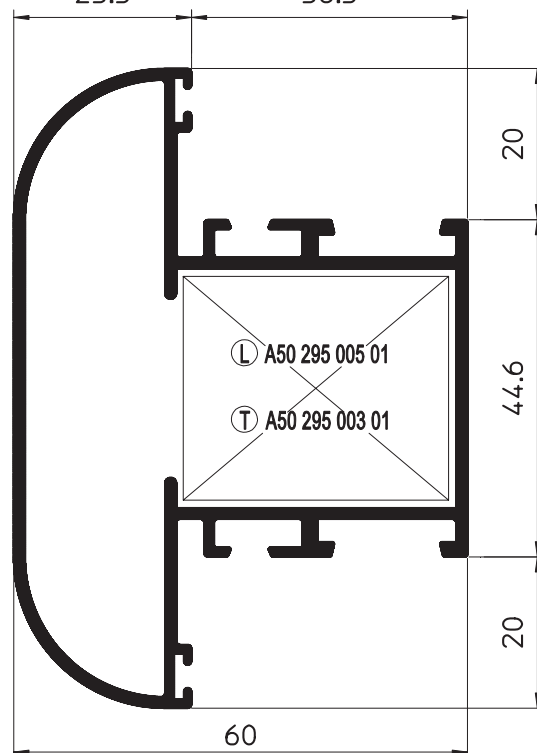
**TRAVESAÑO REFORZADO
REDONDO**

4.318

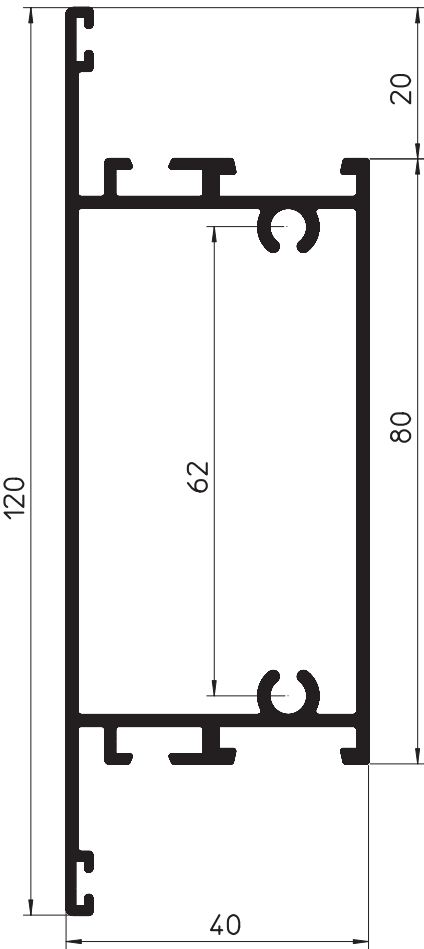
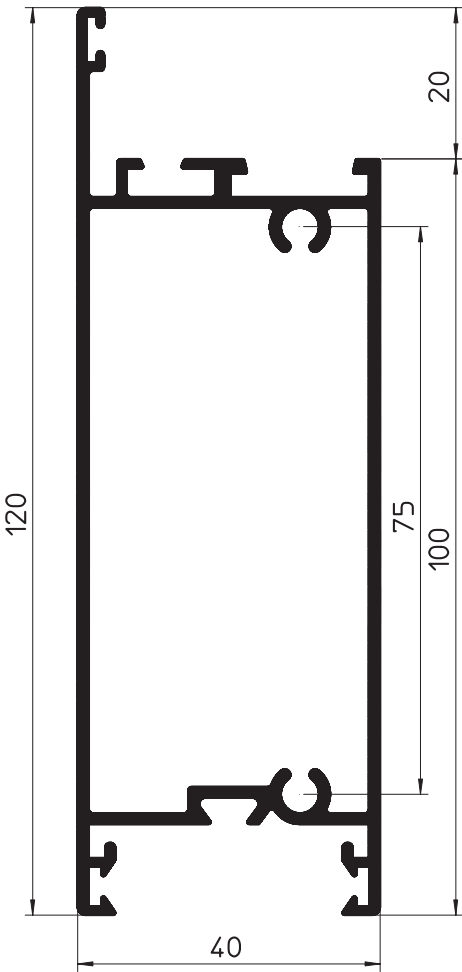
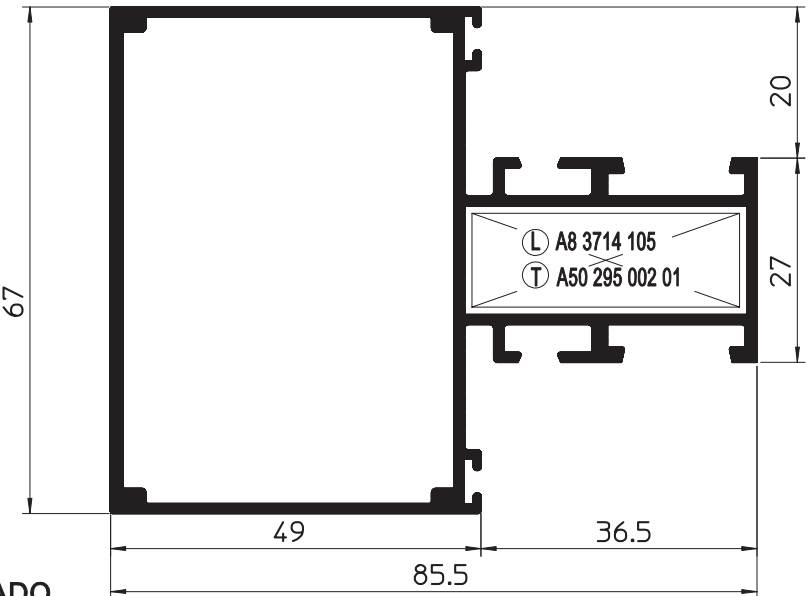


TRAVESAÑO DE PUERTA

23.5 36.5 6.264



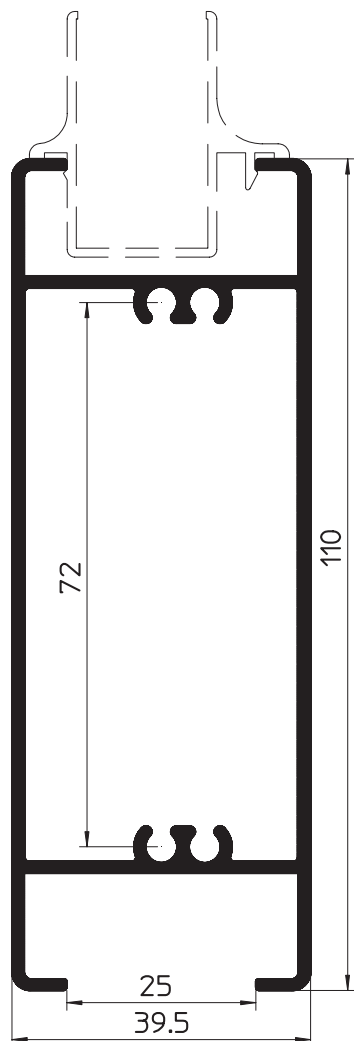
**TRAVESAÑO DE PUERTA
REDONDEADO**

SECCION	SECCION
 4.319 120 62 20 80 40 TRAVESAÑO DE PUERTA PORTATORNILLOS	 4.320 120 75 20 100 40 ZÓCALO DE 120 mm
 67 20 27 49 36.5 85.5 TRAVESAÑO REFORZADO Ⓛ A8 3714 105 Ⓣ A50 295 002 01 4.648	

SECCION

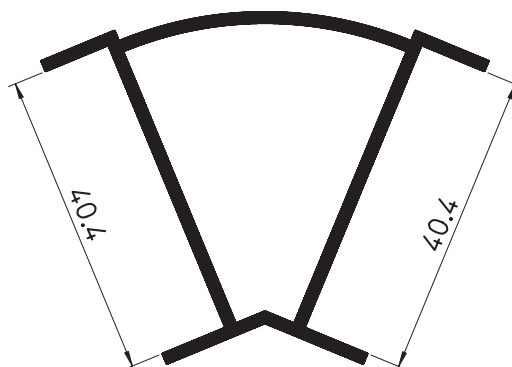


4.766



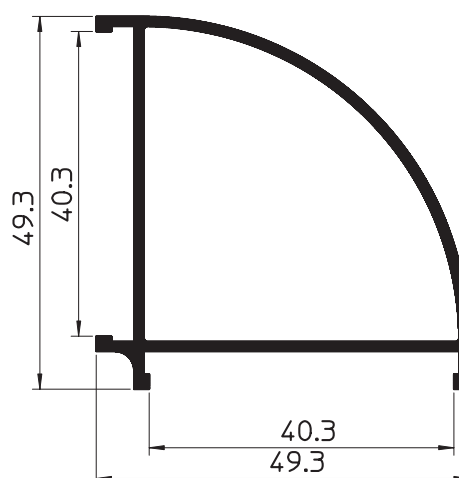
ZOCALO MALLORQUINA KIKAU

2.569

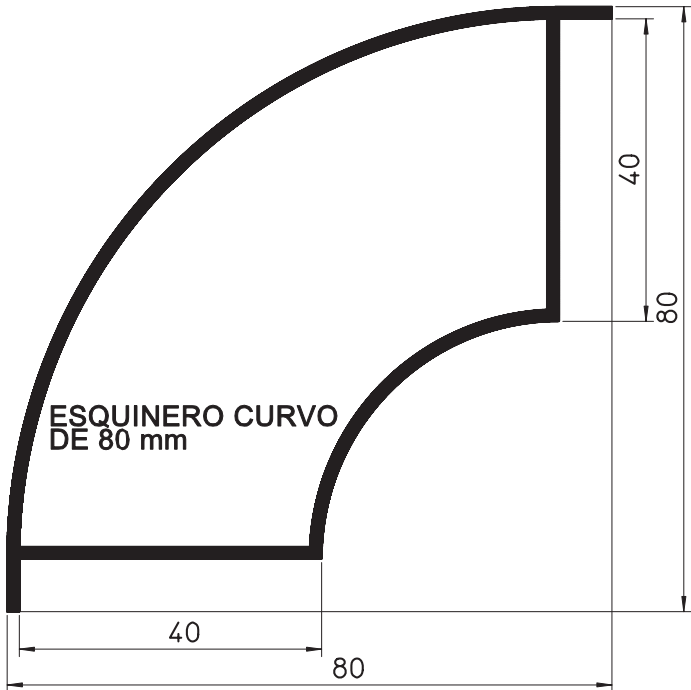
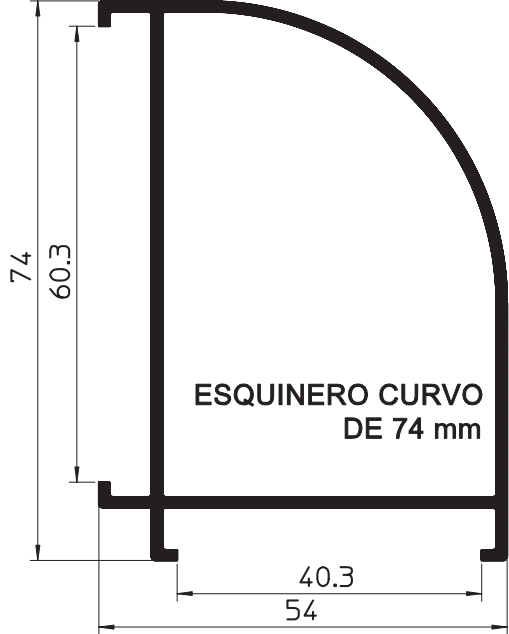
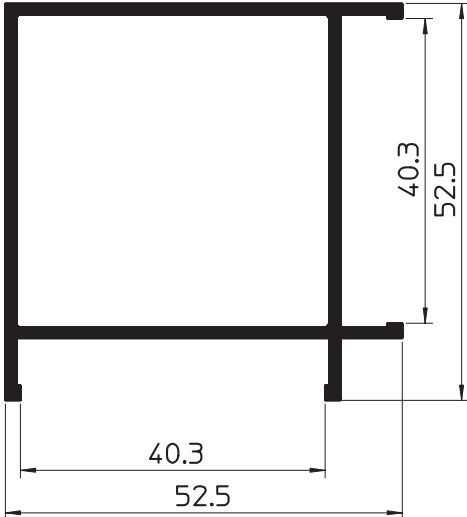
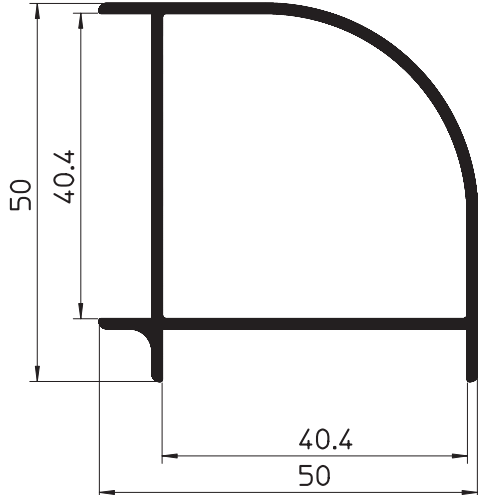


ESQUINERO CURVO
DE 45°

3.631

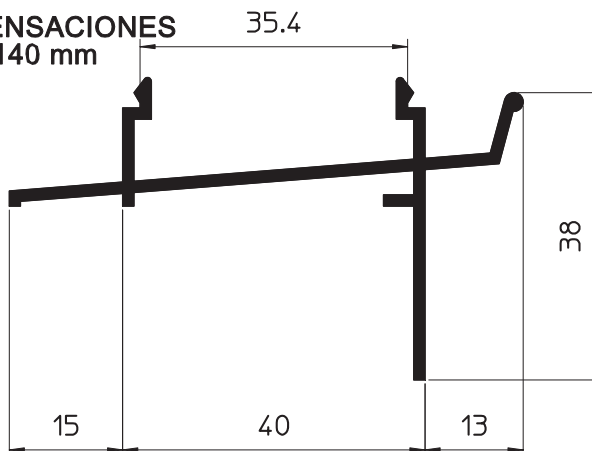
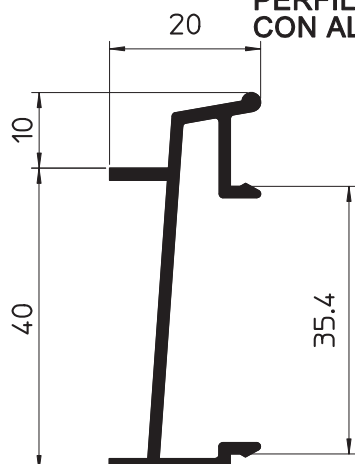


ESQUINERO CURVO
DE 49 mm

SECCION	SECCION
1.564  ESQUINERO CURVO DE 80 mm	3.750  ESQUINERO CURVO DE 74 mm
1.253  ESQUINERO RECTO DE 52 mm	3.908  ESQUINERO CURVO DE 50 mm

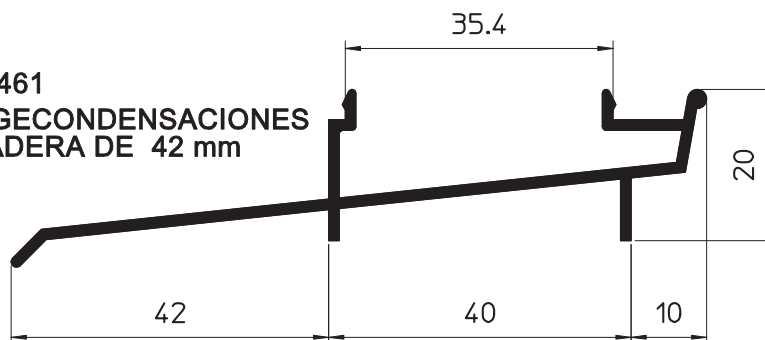
SECCION

900.744
PERFIL RECOGECONDENSACIONES
CON ALARGADERA DE 140 mm

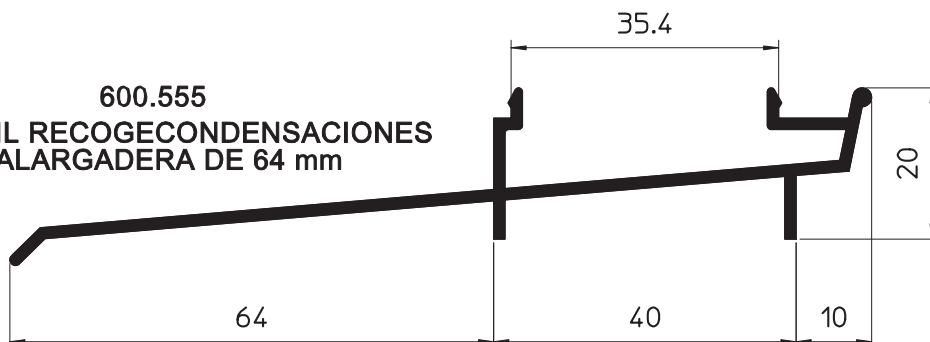


600.496
PERFIL RECOGECONDENSACIONES
CON ALARGADERA DE 15 mm

400.461
PERFIL RECOGECONDENSACIONES
CON ALARGADERA DE 42 mm

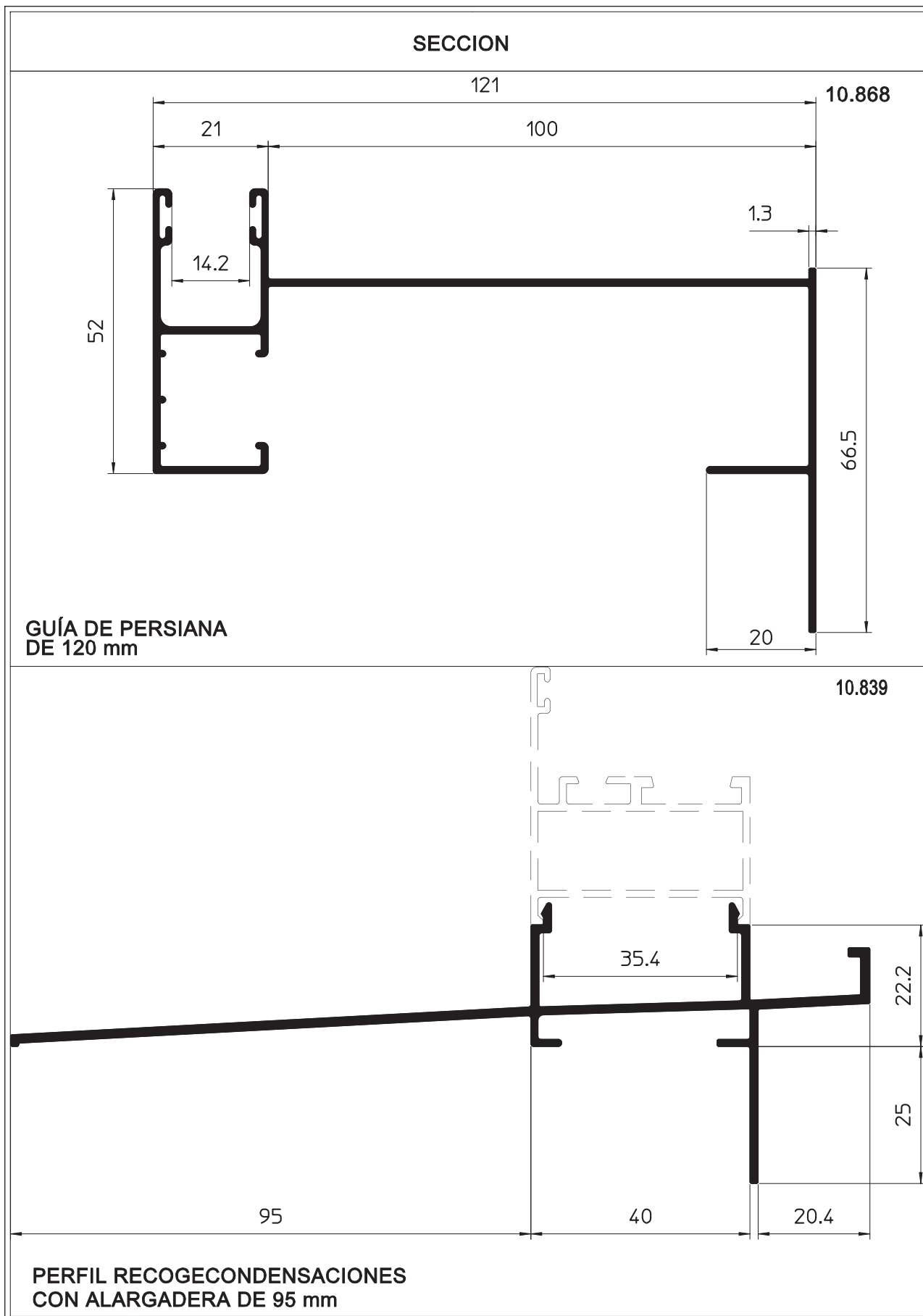


600.555
PERFIL RECOGECONDENSACIONES
CON ALARGADERA DE 64 mm

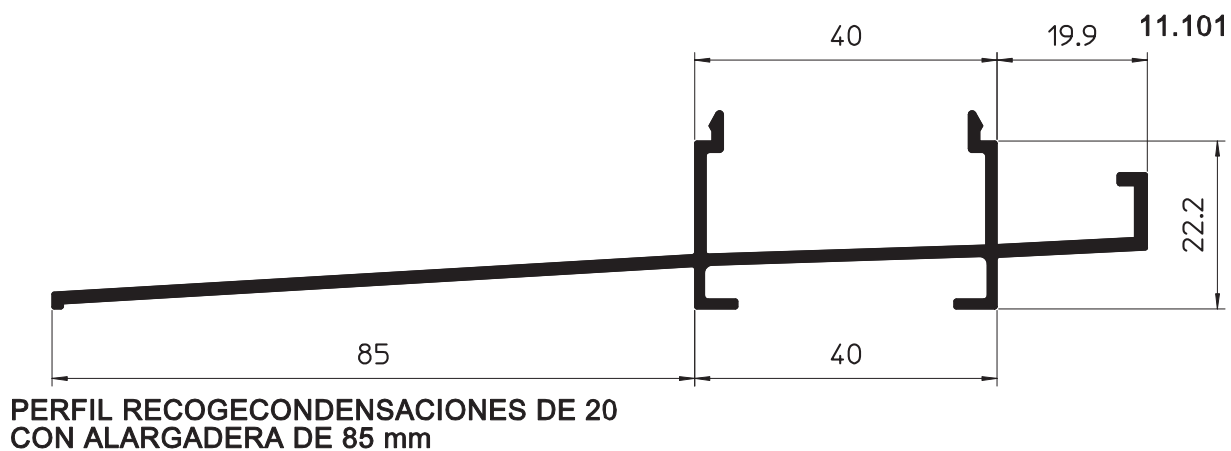


800.995
PERFIL RECOGECONDENSACIONES
CON ALARGADERA DE 85 mm

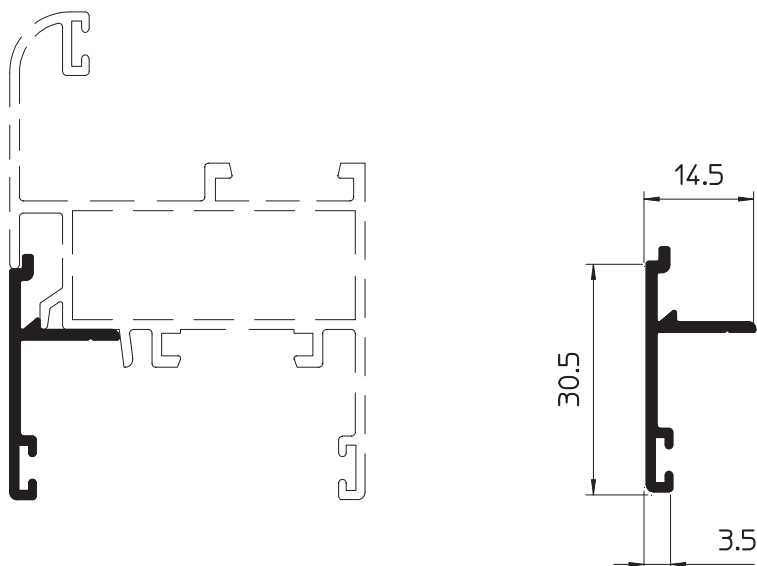




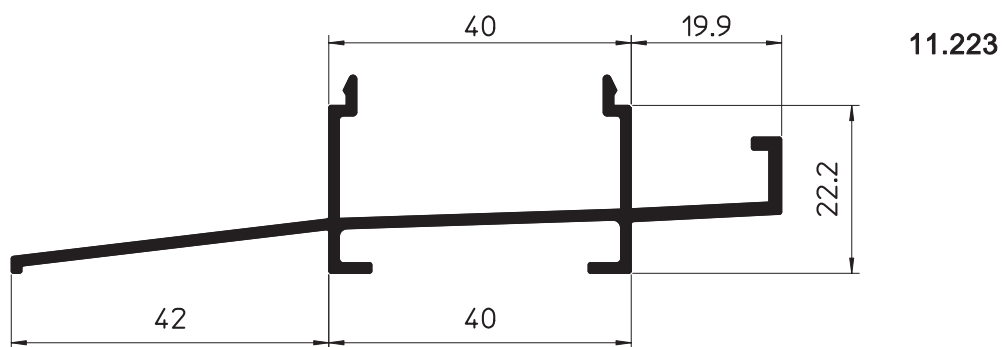
SECCION



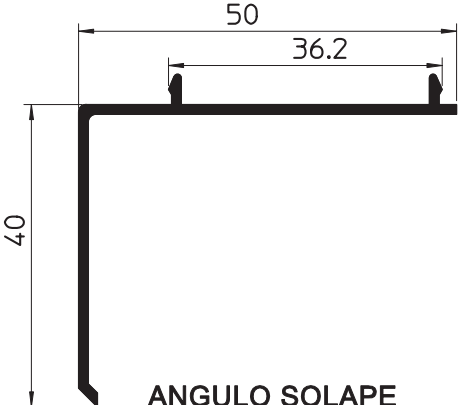
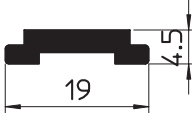
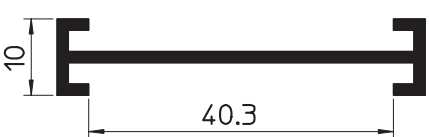
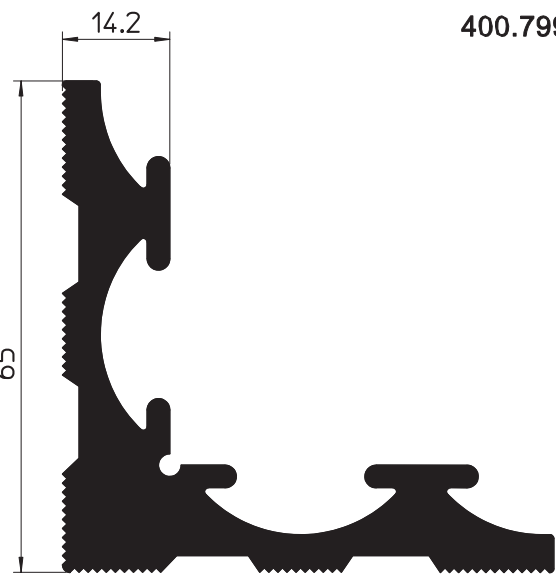
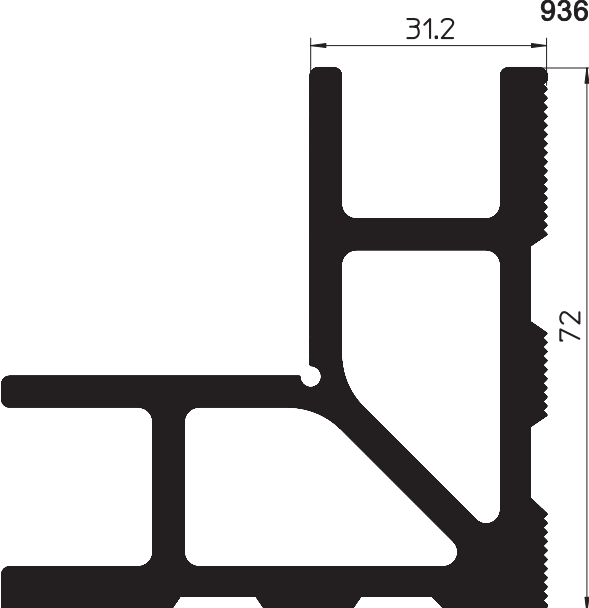
11.130

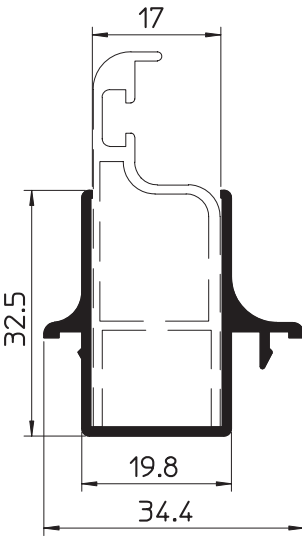
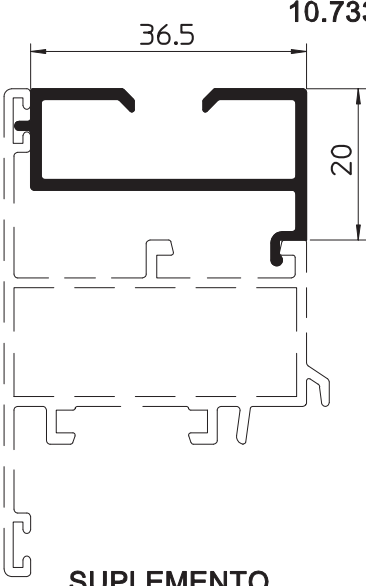
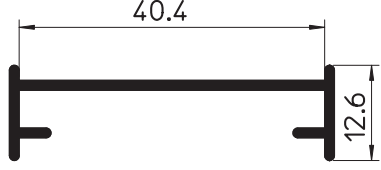
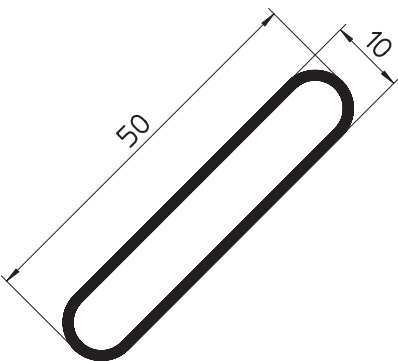
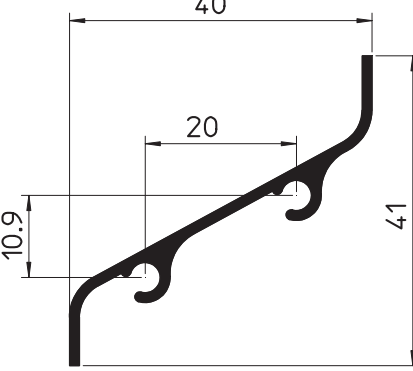
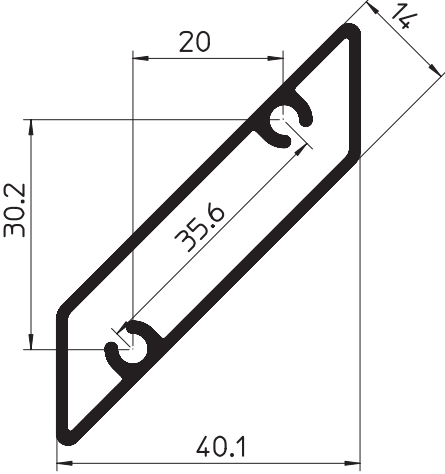


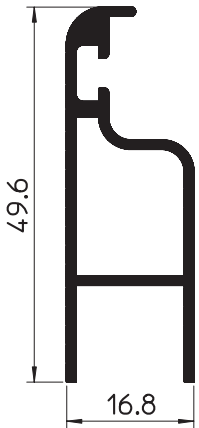
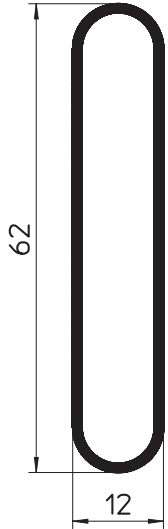
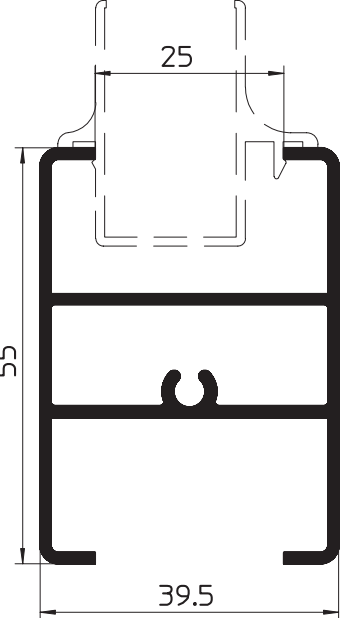
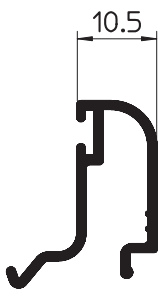
PERFIL PARA REMATE DE ZOCALO



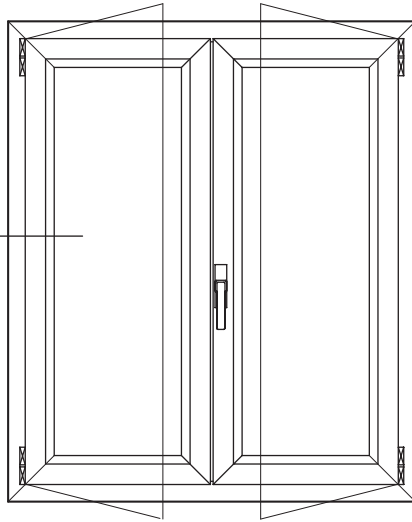
PERFIL RECOGECONDENSACIONES DE 20 CON ALARGADERA DE 42 mm

SECCION  800.102 ANGULO SOLAPE	SECCION  900.484 TAPA INFERIOR
 900.998 FALLEBA DE 19 mm	 600.411 TAPA PARA PUERTA VAIVÉN
 400.738 PERFIL UNIÓN	
 400.799 ESCUADRA DE 65 mm	 936 ESCUADRA DE 72 mm

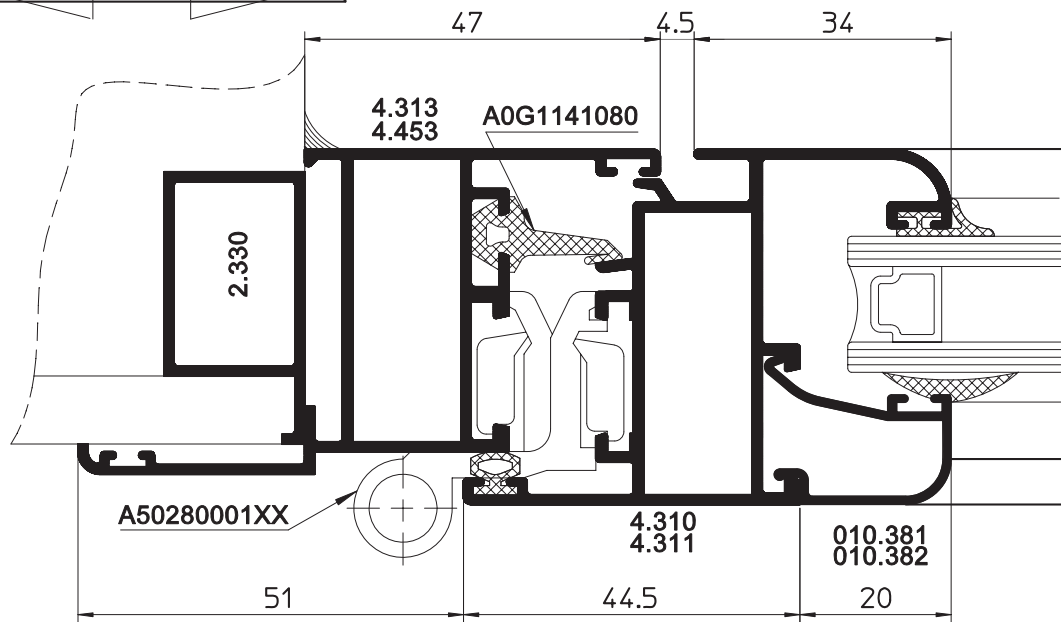
SECCION	SECCION
10.514  REDUCTOR PARA COMPENSACIÓN	10.733  SUPLEMENTO PARA LAMA FIJA
700.555  SUPLEMENTO PARA LAMA ATORNILLADA	1.353  LAMA TUBULAR DE 50 x 10
700.556  LAMA DE 40 x 41 CON PORTATORORNILLOS	2.022  LAMA TUBULAR DE 40 x 14

SECCION	SECCION	SECCION	SECCION
4.469  MEDIA LAMA	4.467  LAMA FIJA Y/O BLINDADA	4.468  LAMA ORIENTABLE	4.470  TRAVESAÑO MALLORQUINA KIKAU
11.491  JUNQUILLO DE 10.5 PERIMETRAL			
11.490  JUNQUILLO CURVO DE 10.5 PERIMETRAL			

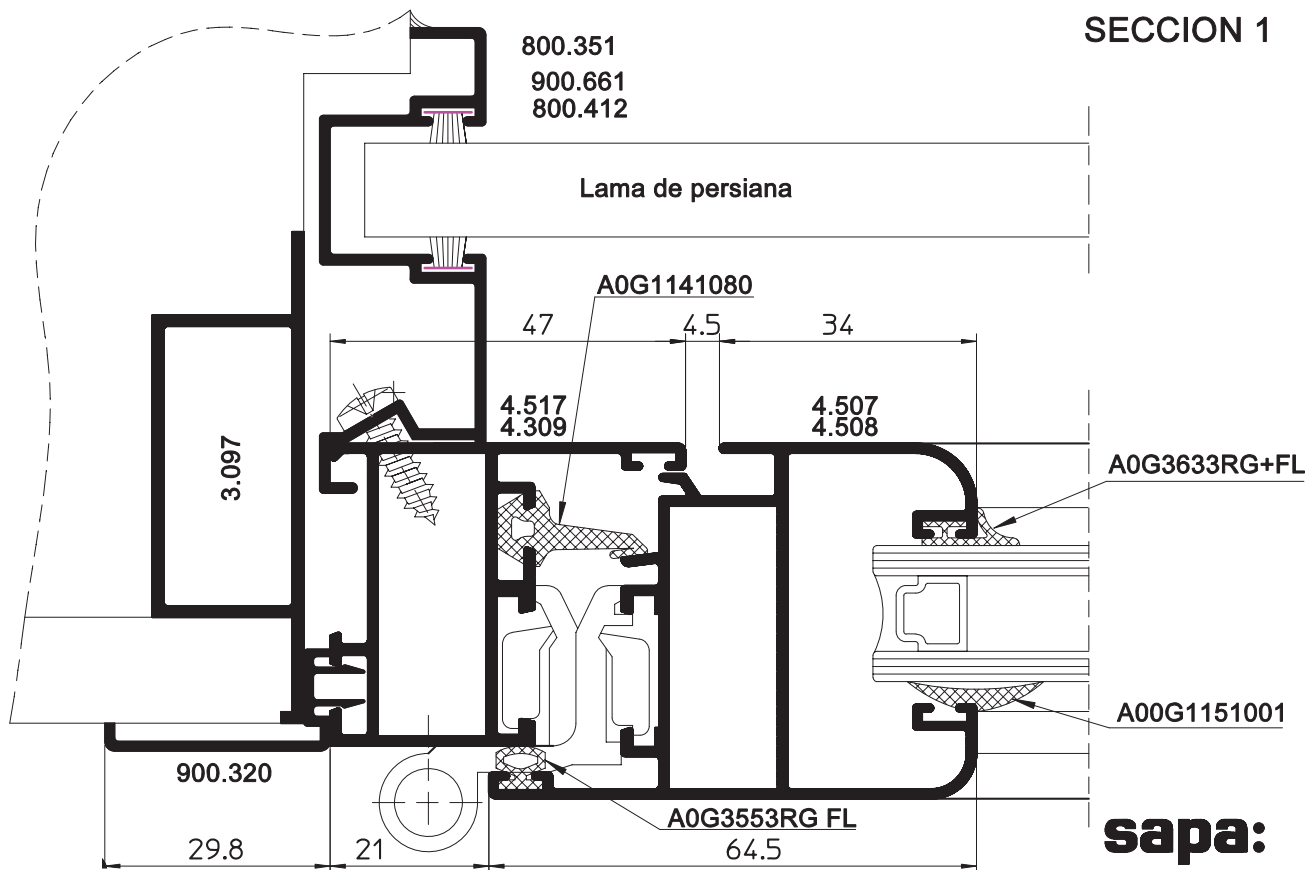
S1



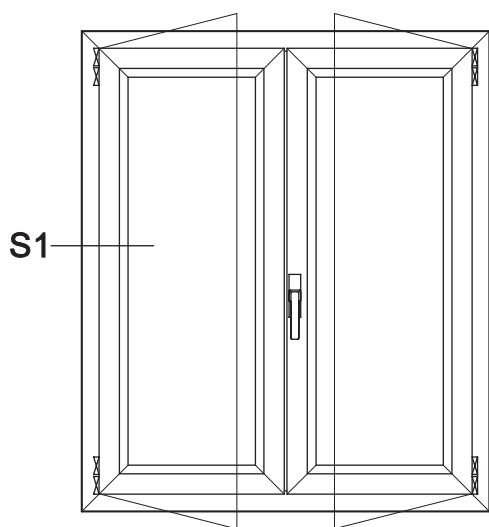
SECCION 1



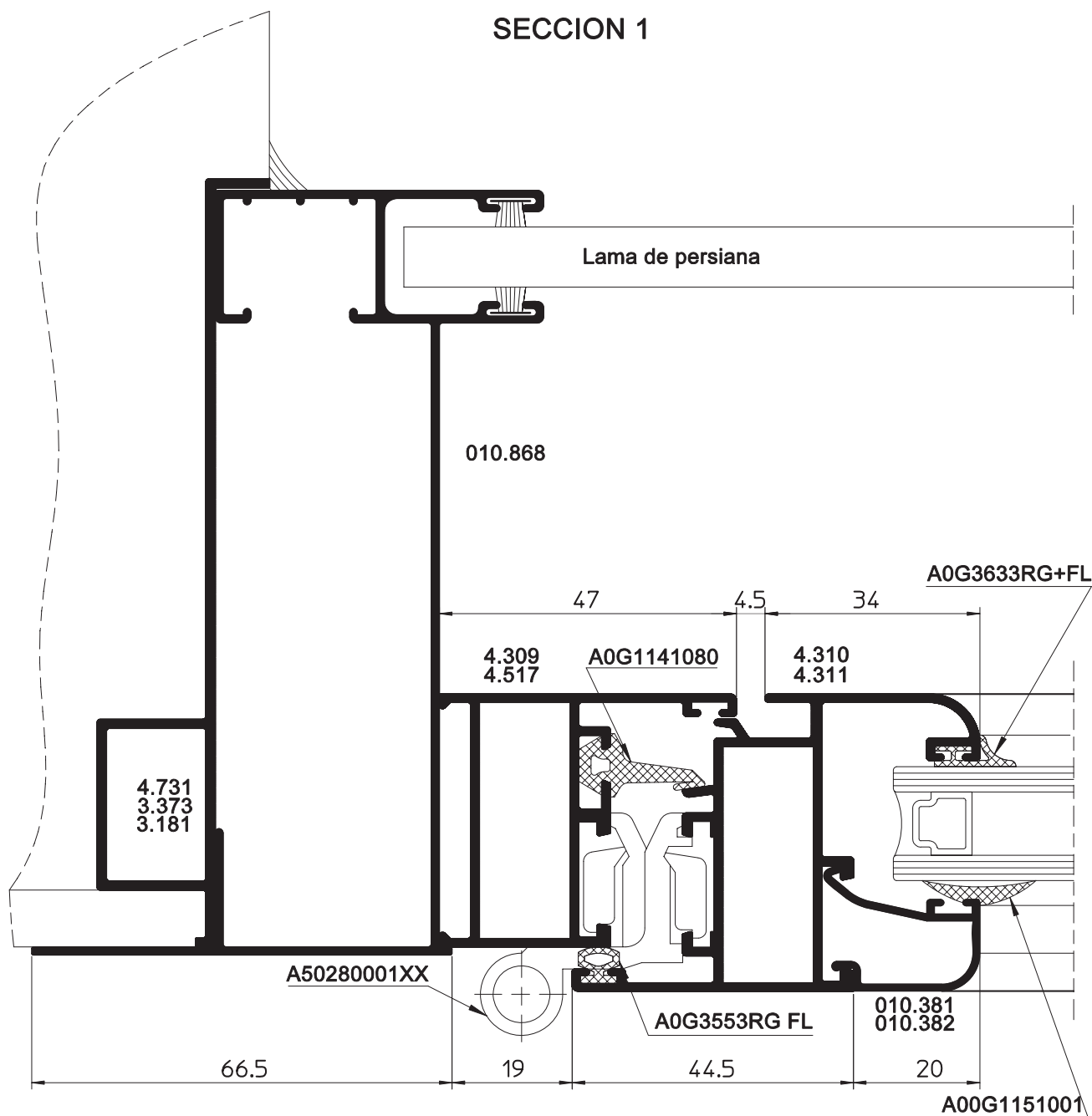
SECCION 1

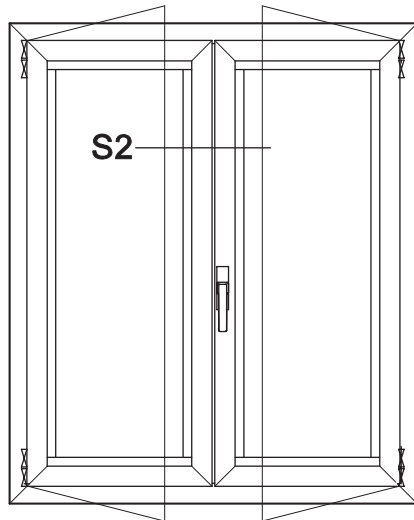


sapa:

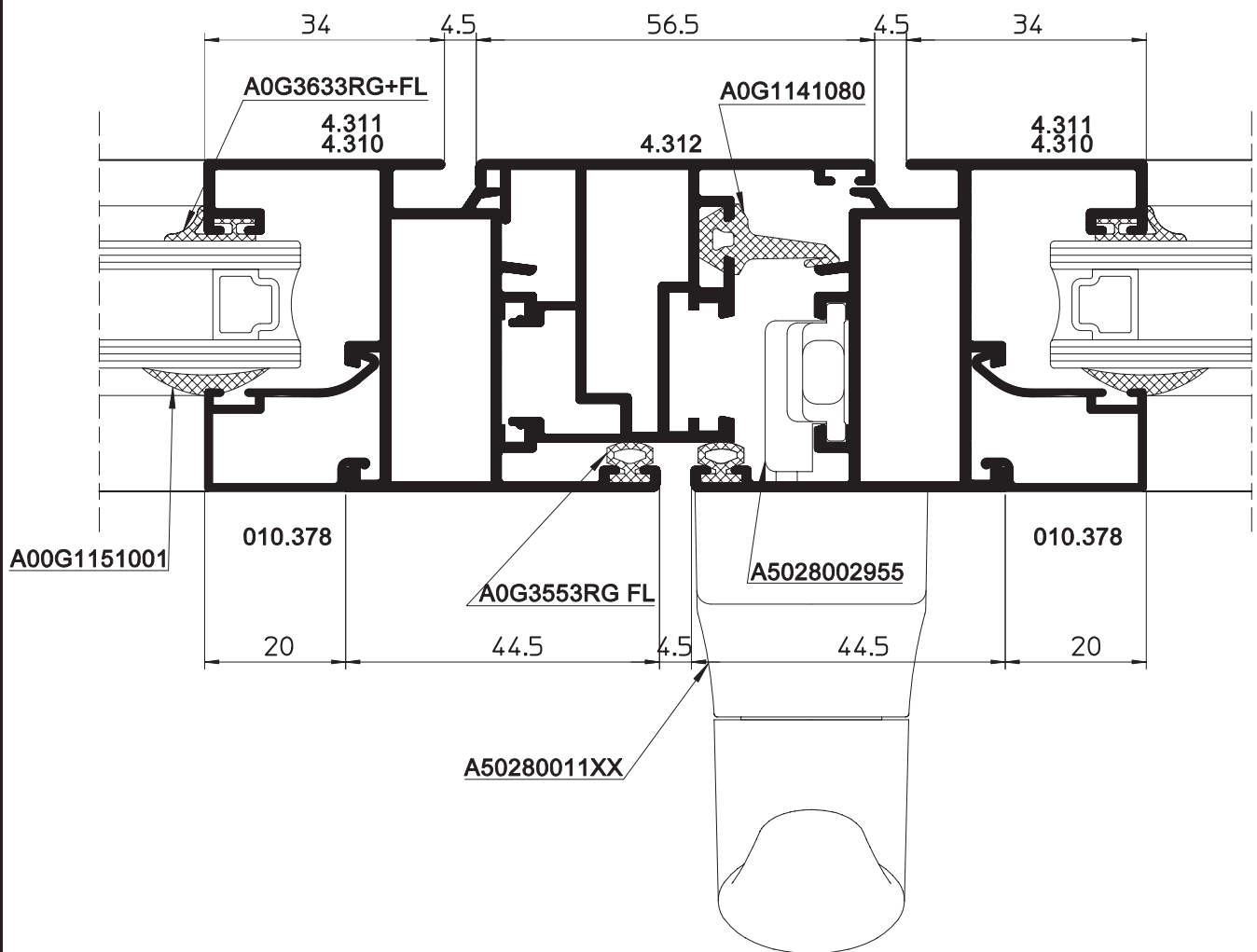


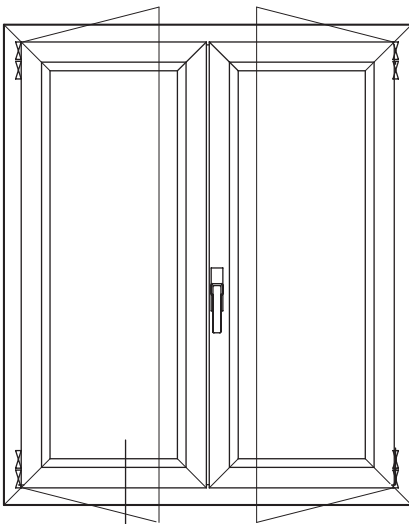
SECCION 1





SECCION 2

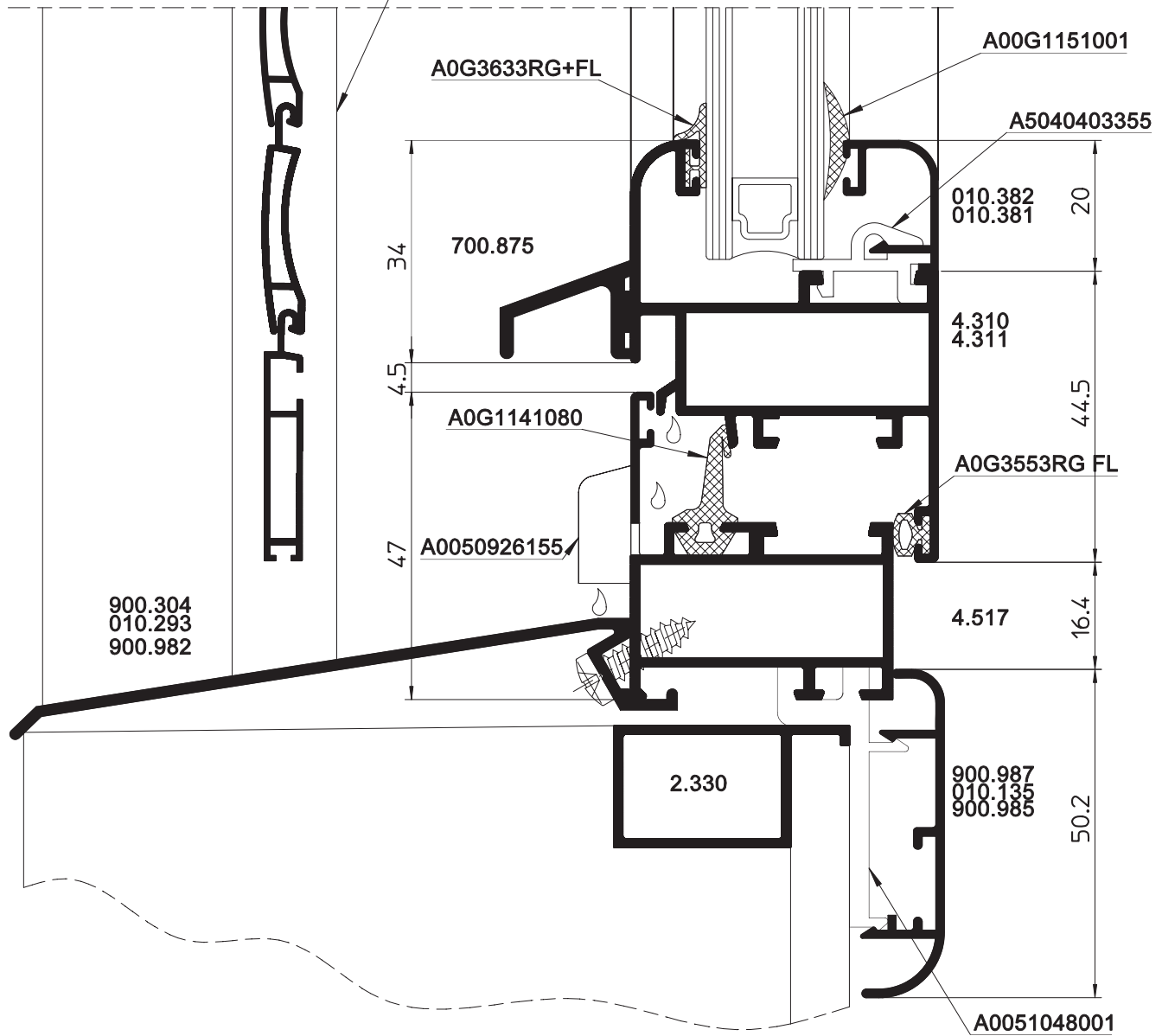


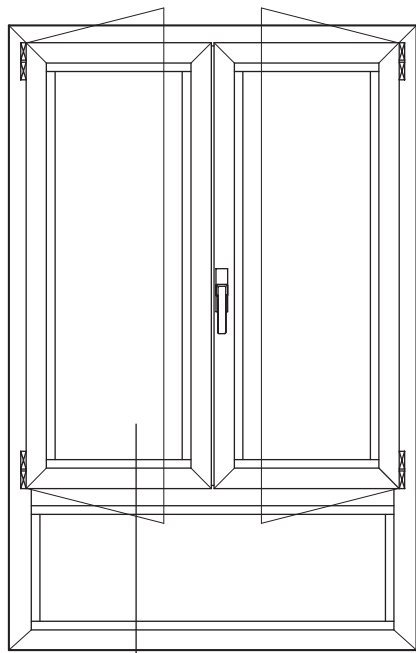


S3

900.292

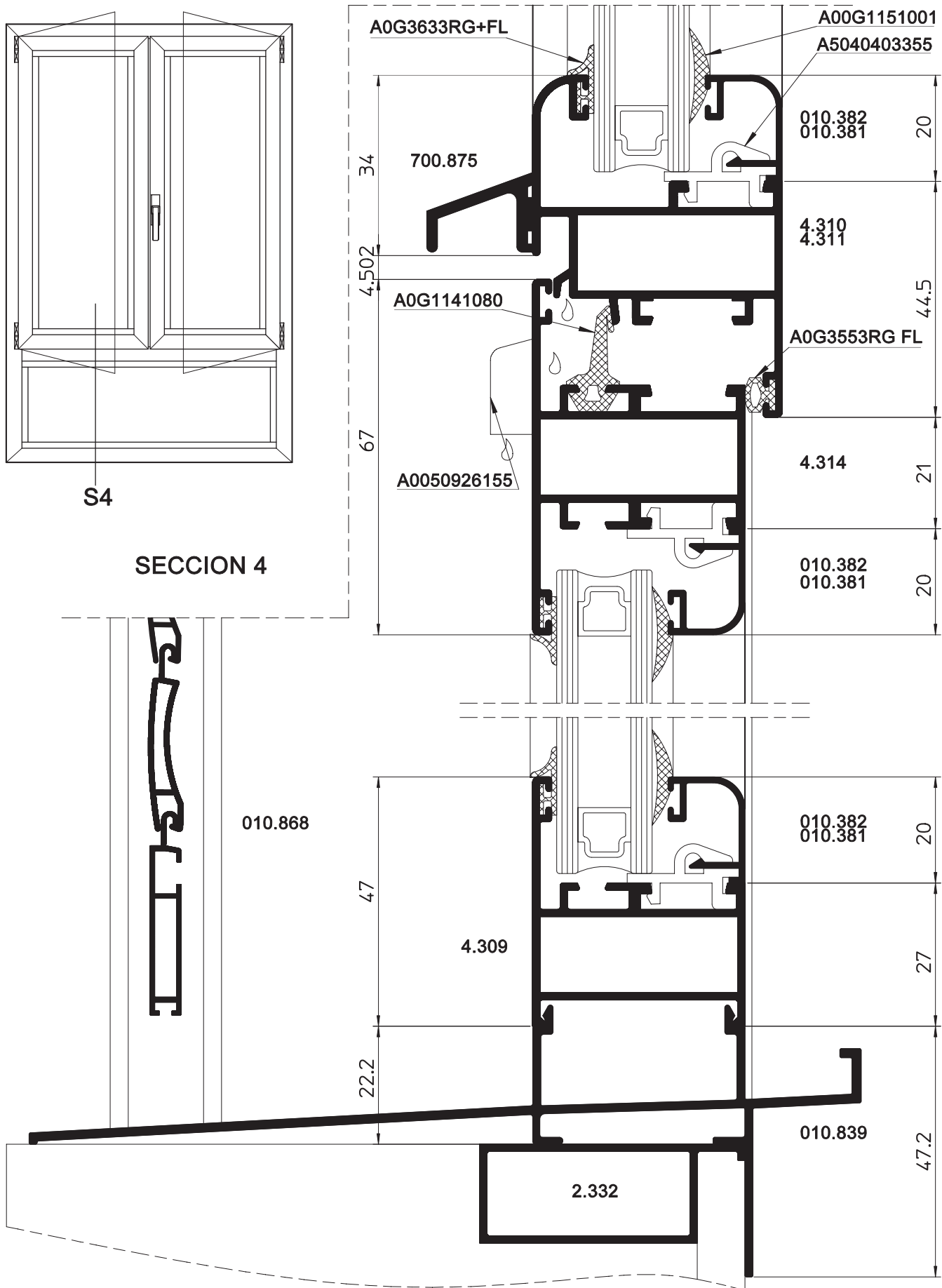
SECCION 3

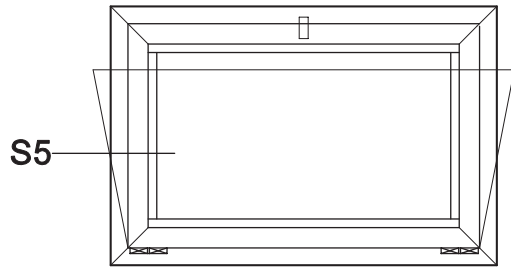




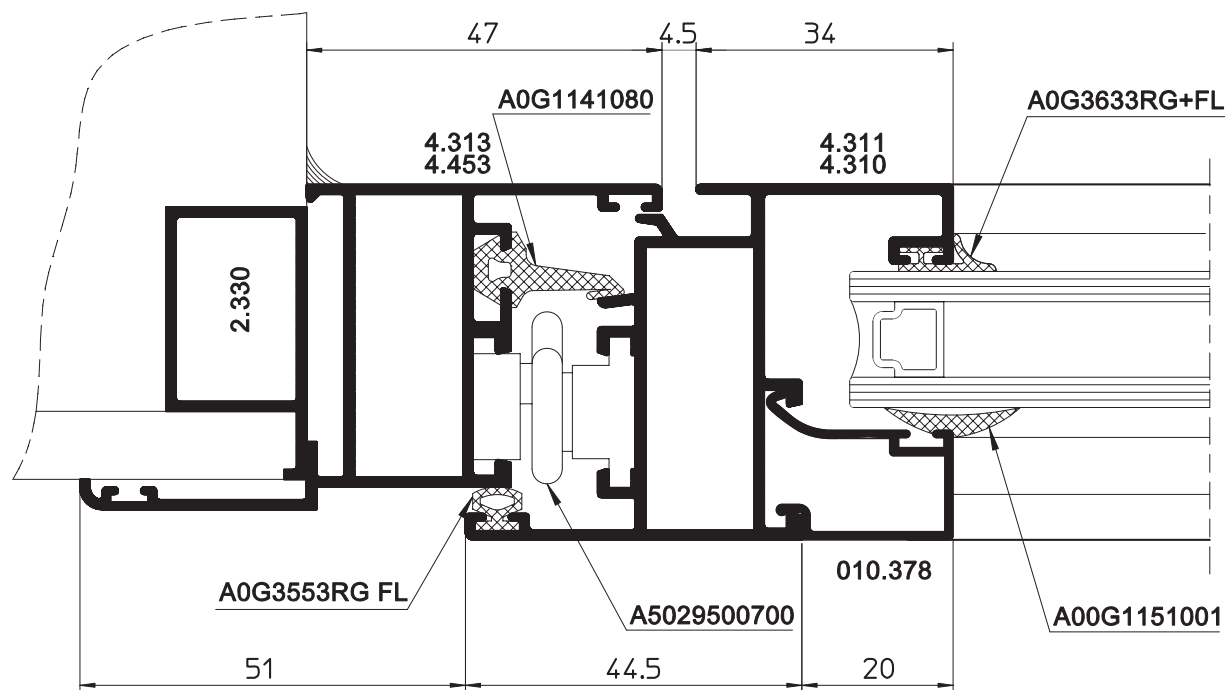
S4

SECCION 4

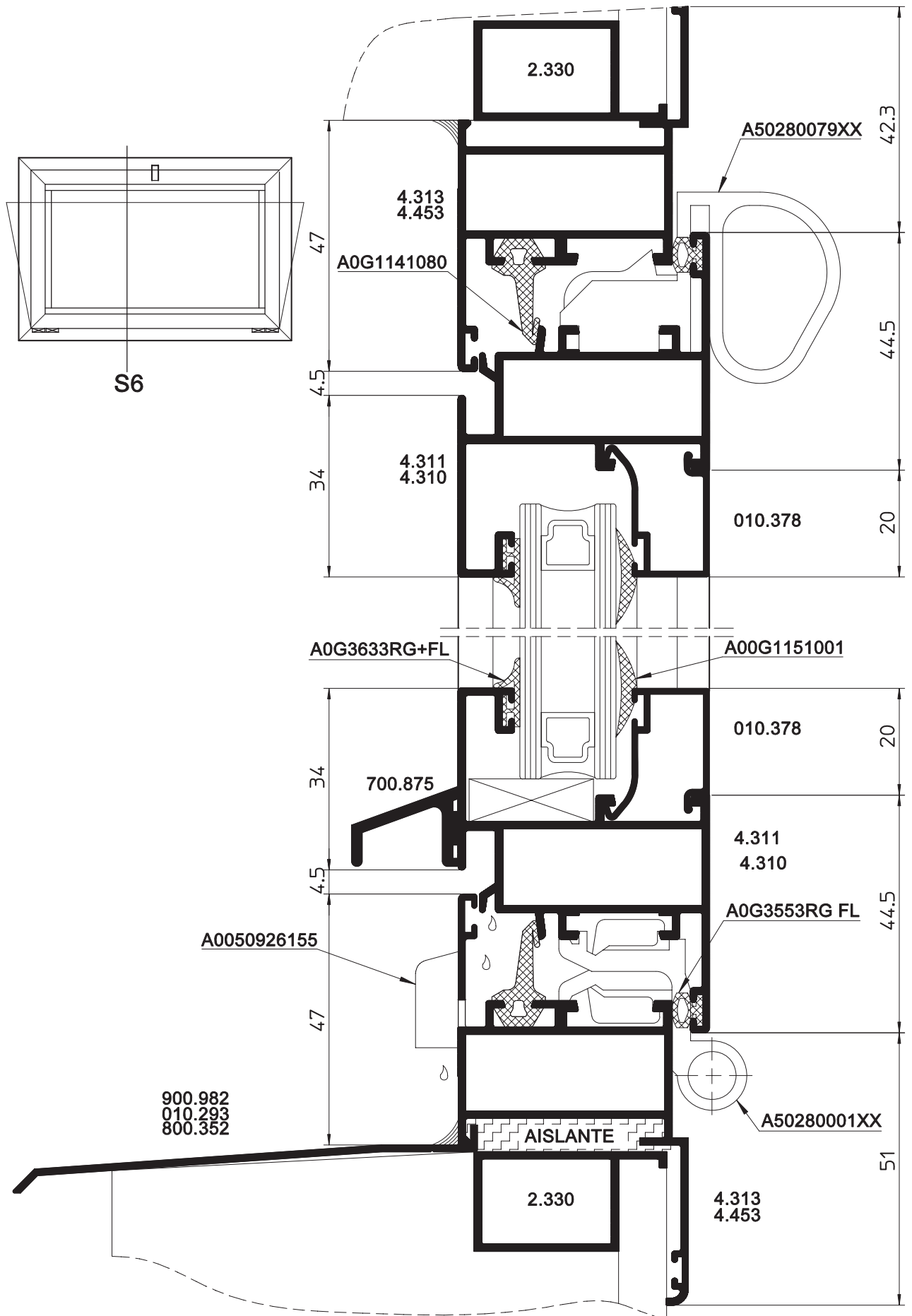


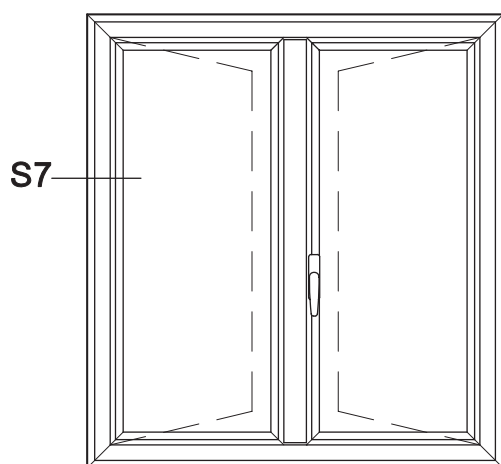


SECCION 5

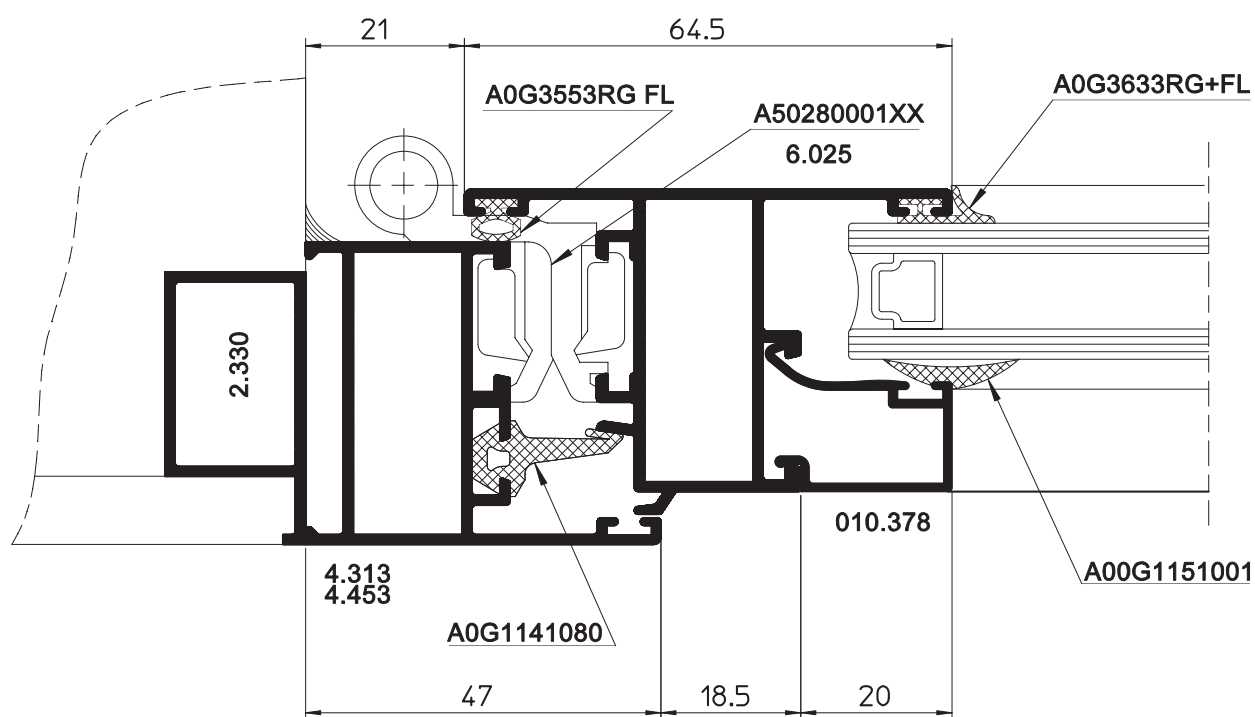


SECCION 6

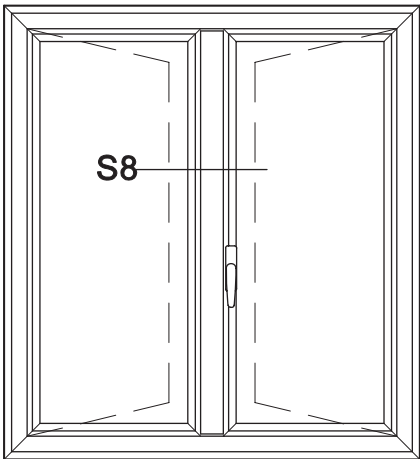




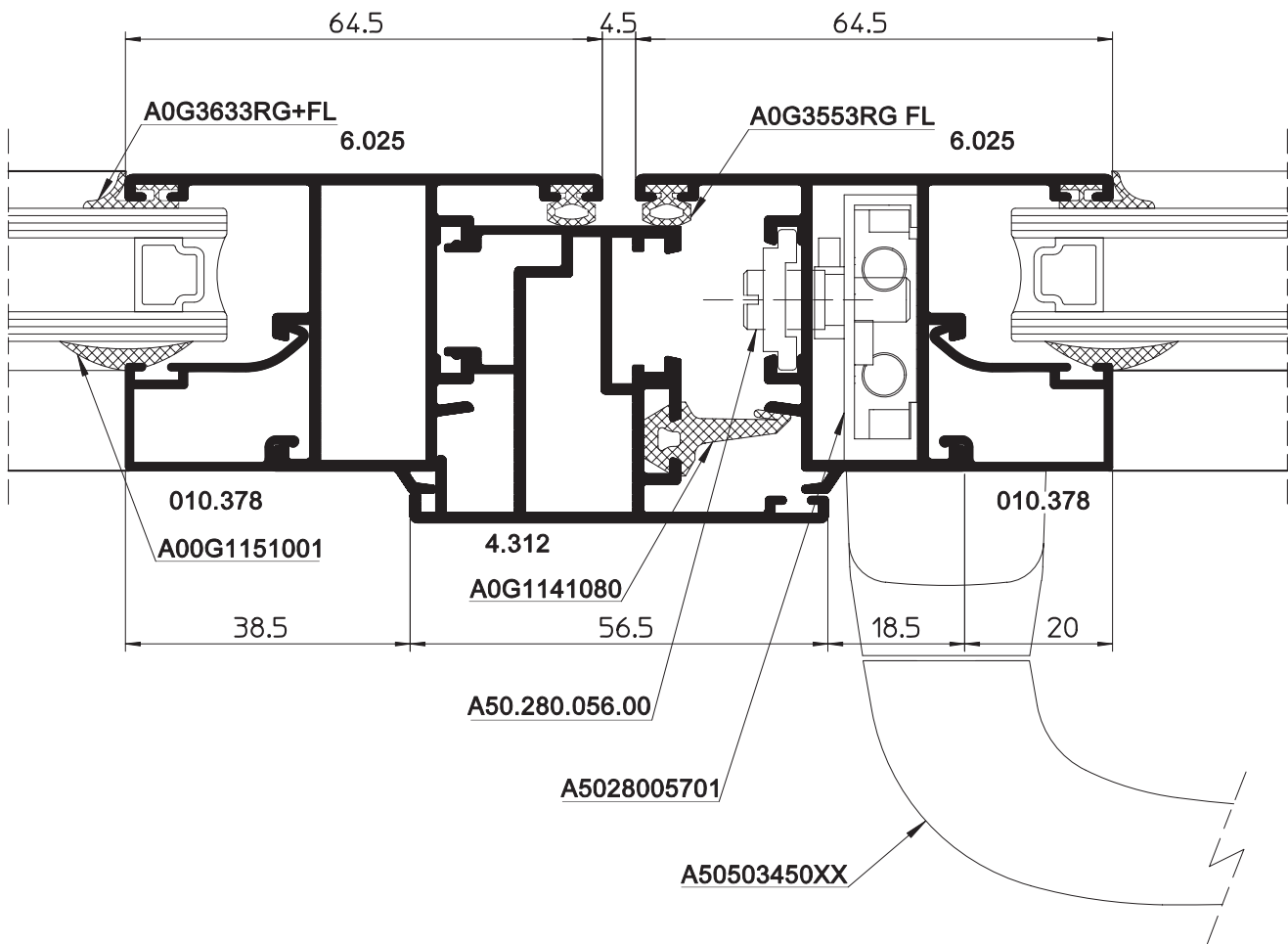
SECCION 7



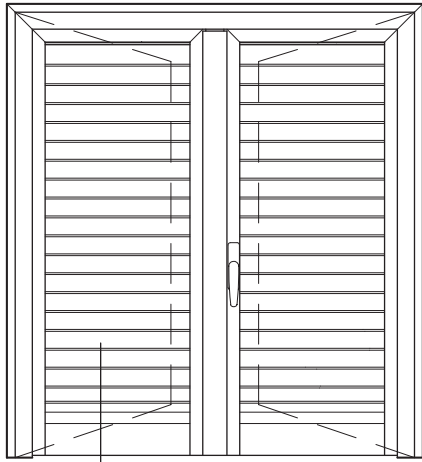
Los derechos de reproducción y propiedad de este plano pertenecen al Grupo Sapa y solamente pueden utilizarse o ceder a terceros con el consentimiento escrito del propietario. Reservados todos los derechos.



SECCION 8

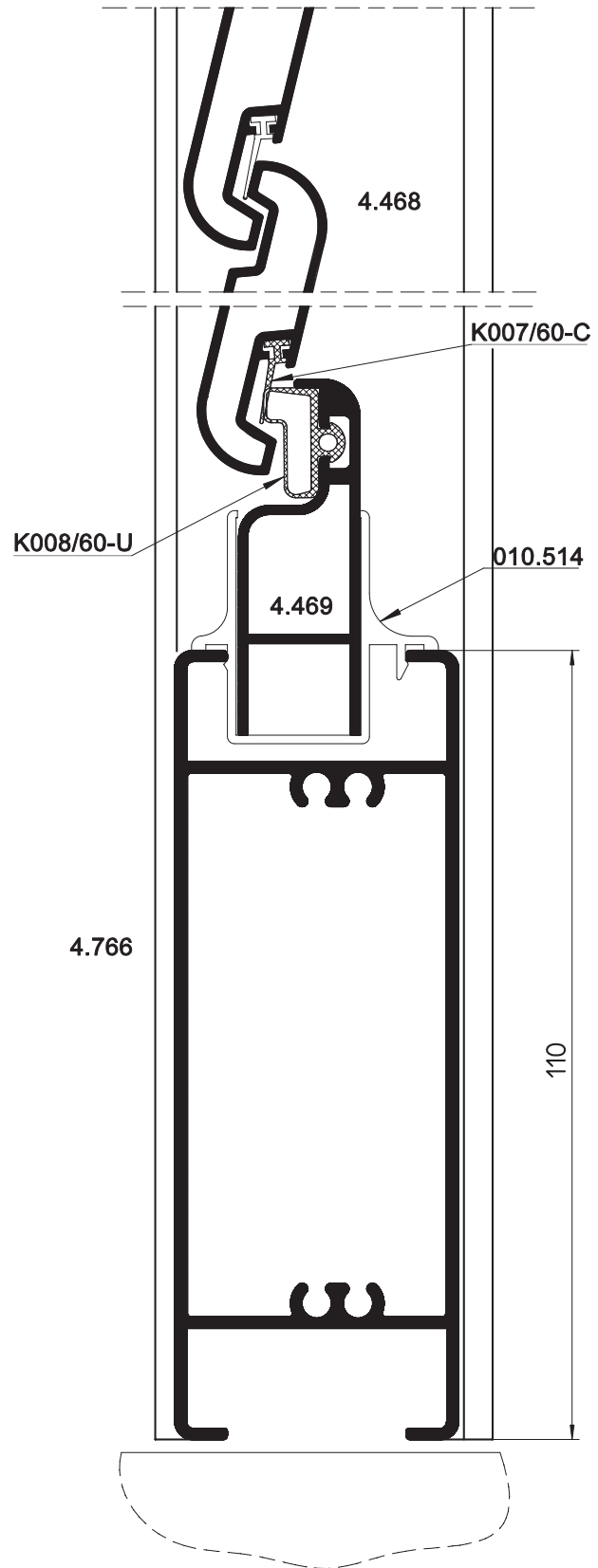
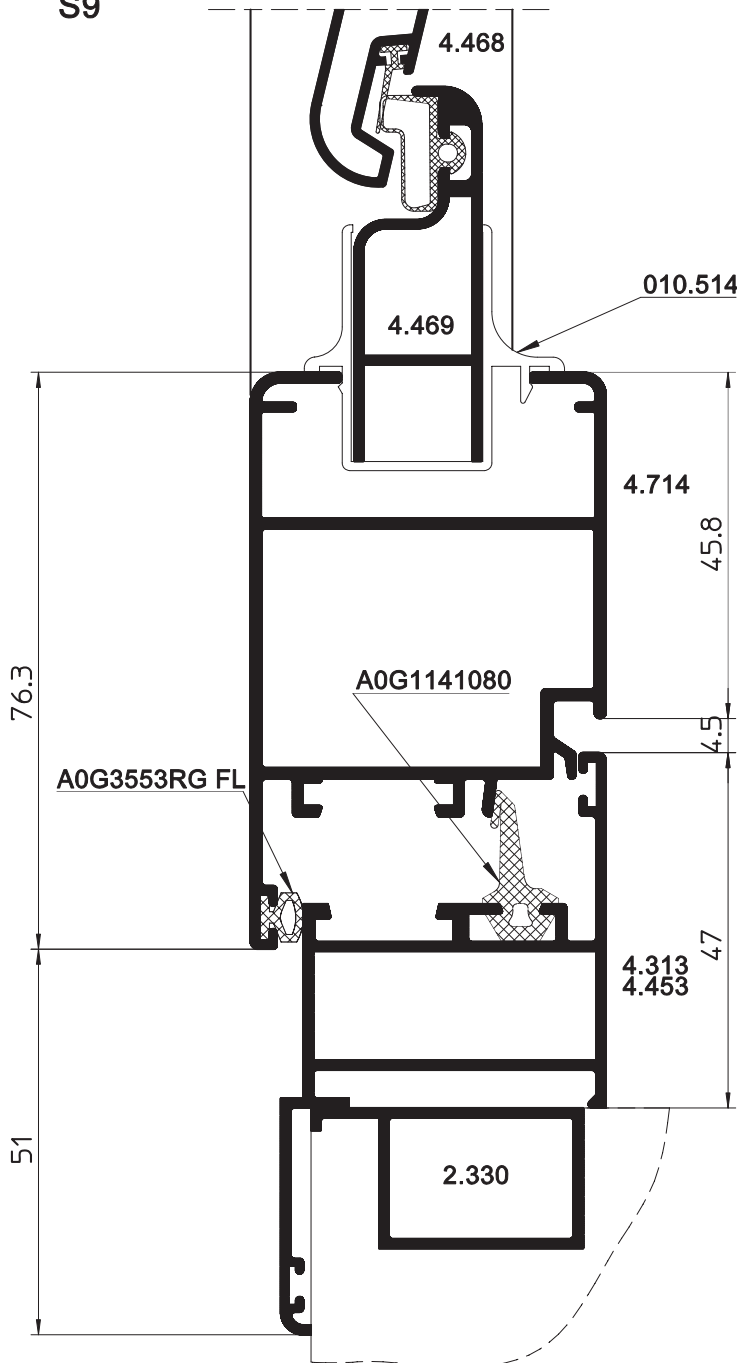


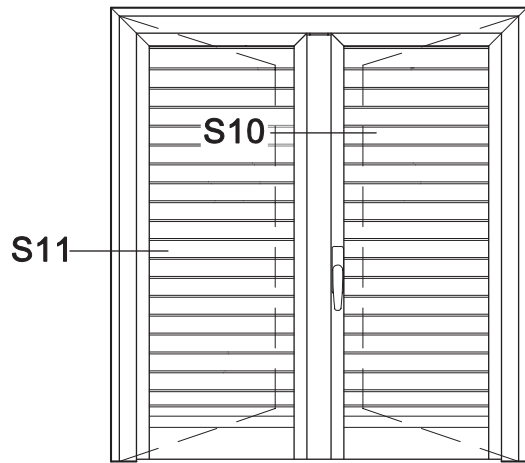
Los derechos de reproducción y propiedad de este plano pertenecen al Grupo Sapa y solamente pueden utilizarse o ceder a terceros con el consentimiento escrito del propietario. Reservados todos los derechos.



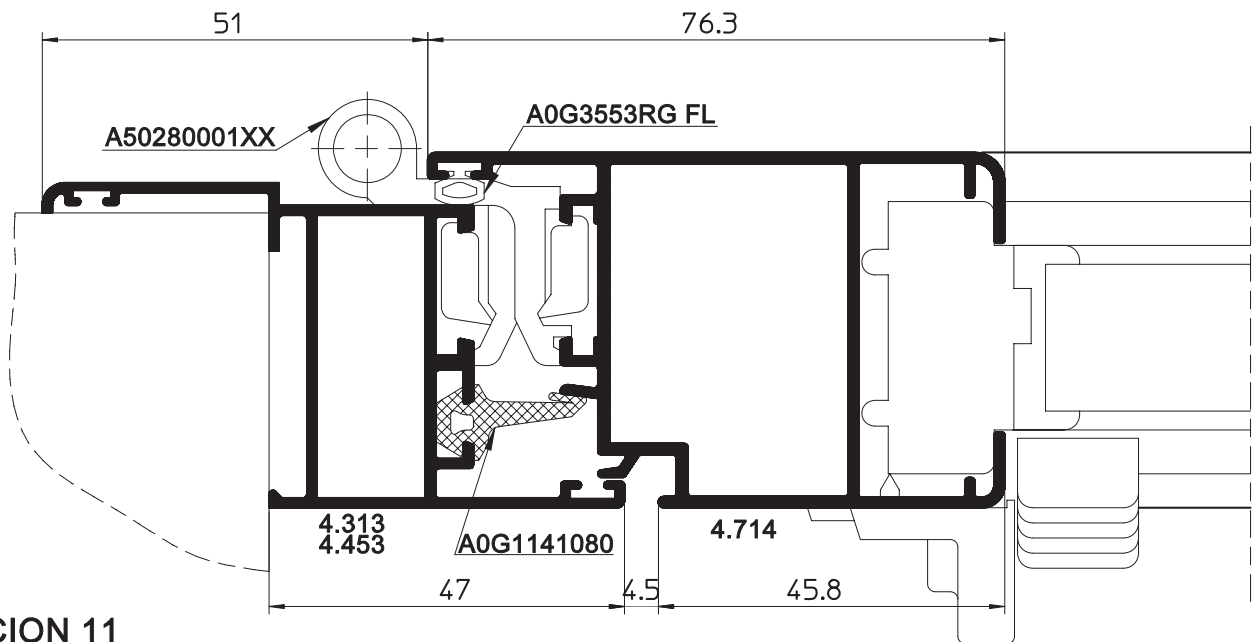
S9

SECCION 9

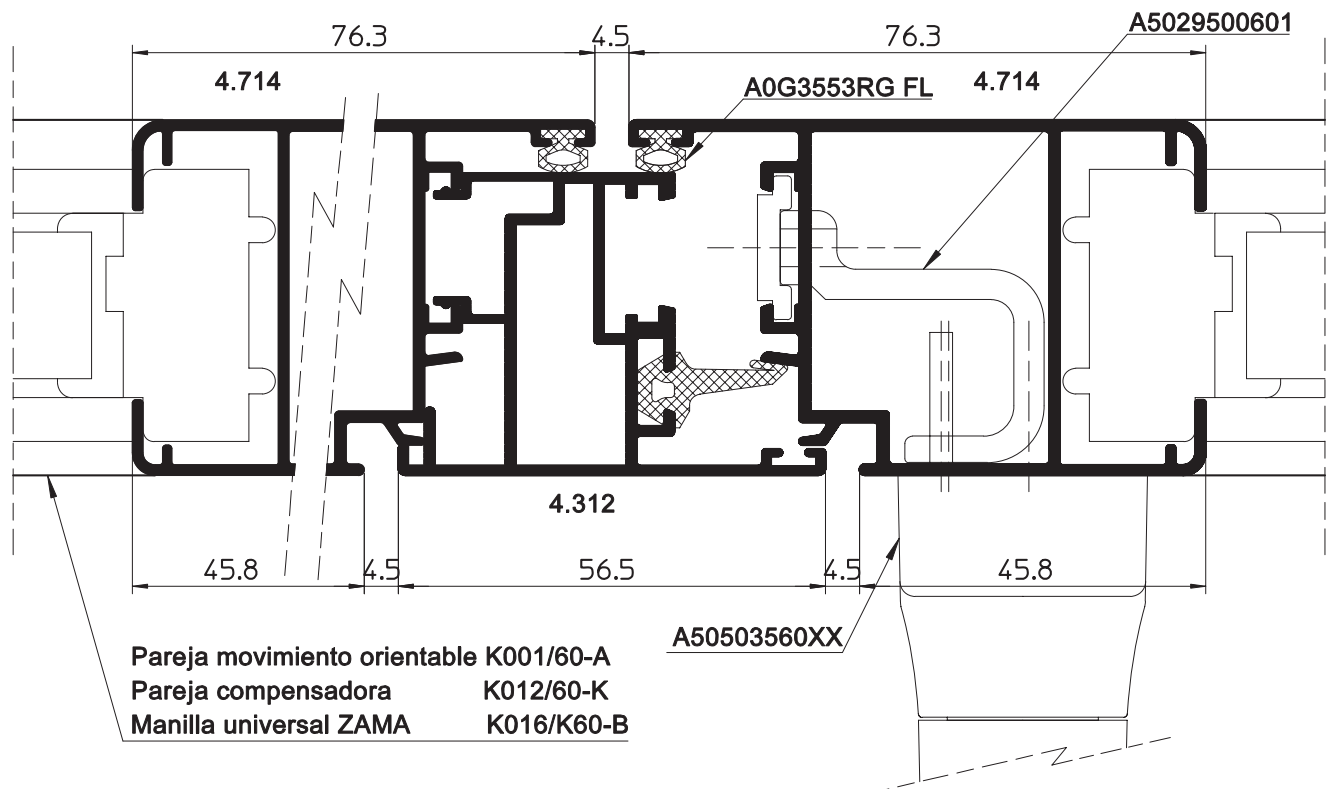


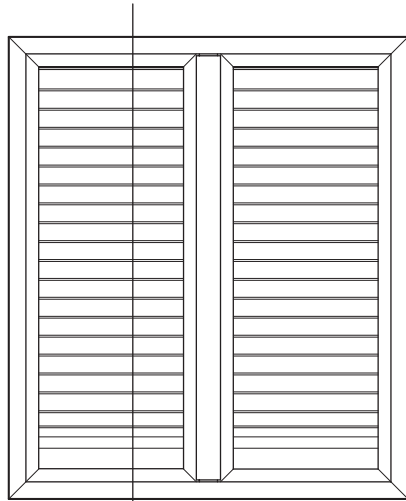


SECCION 10



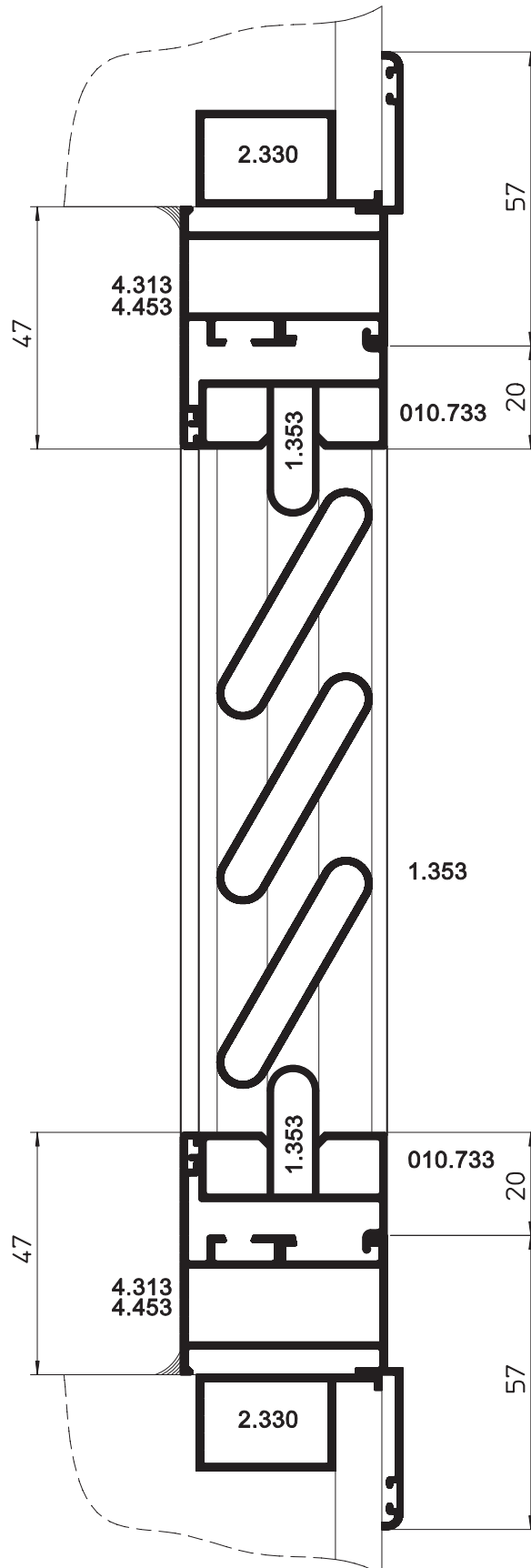
SECCION 11





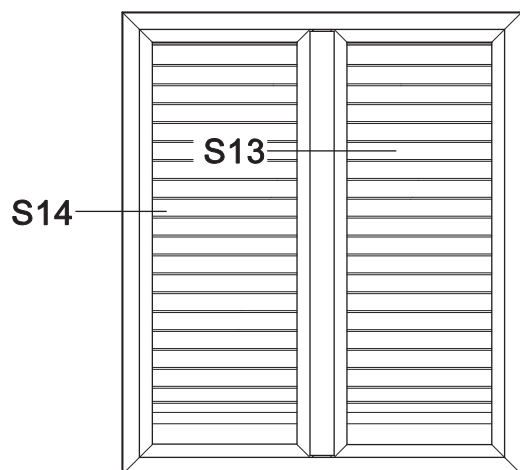
S12

SECCION 12

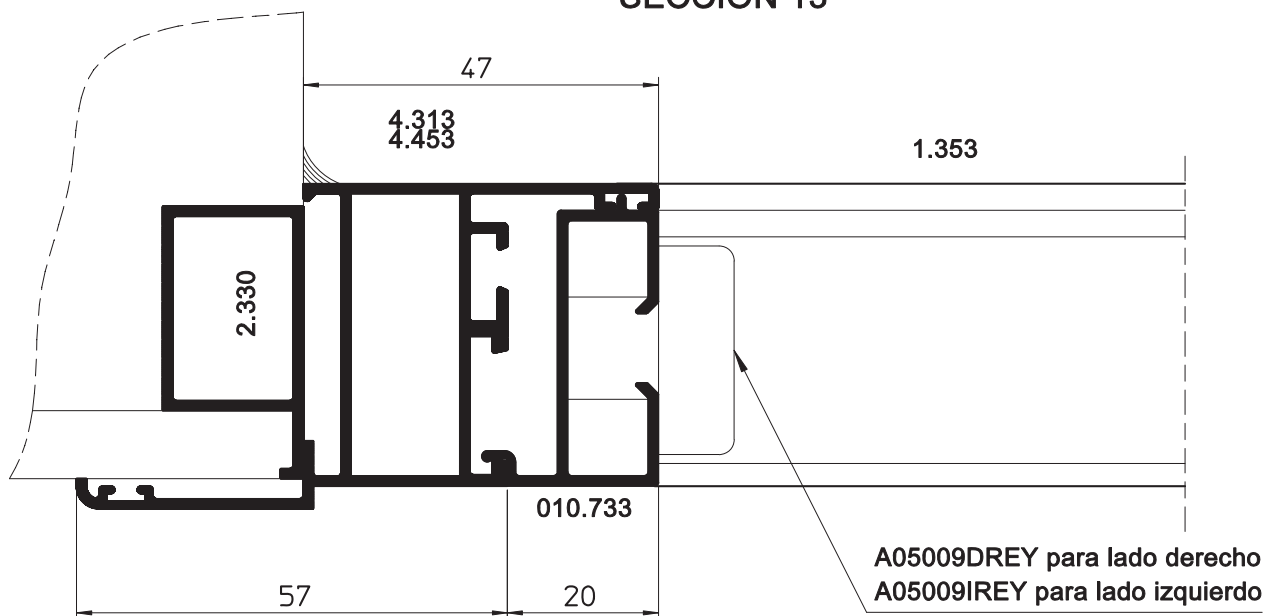


Detalle a escala reducida 3:4

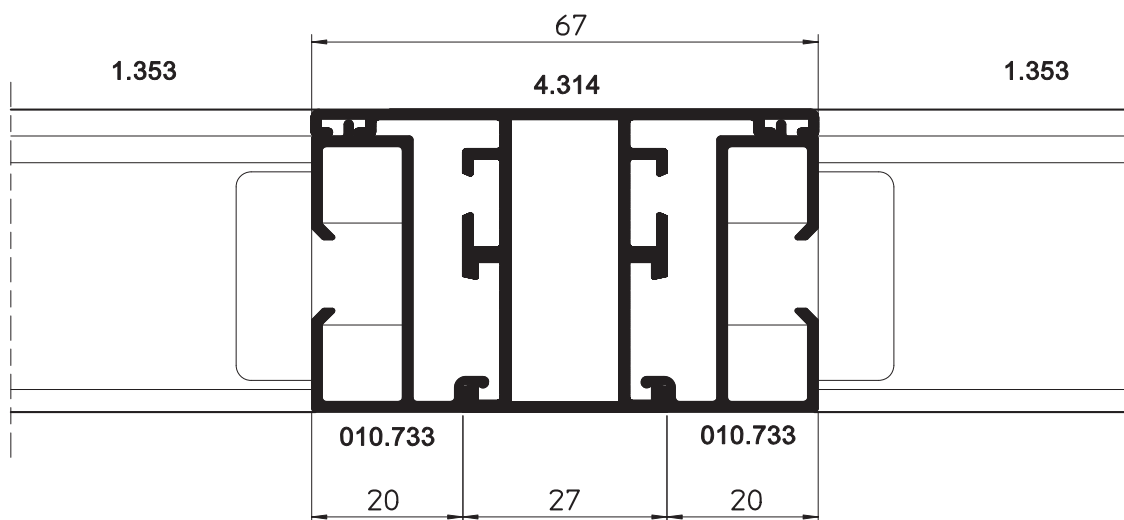
sapa:

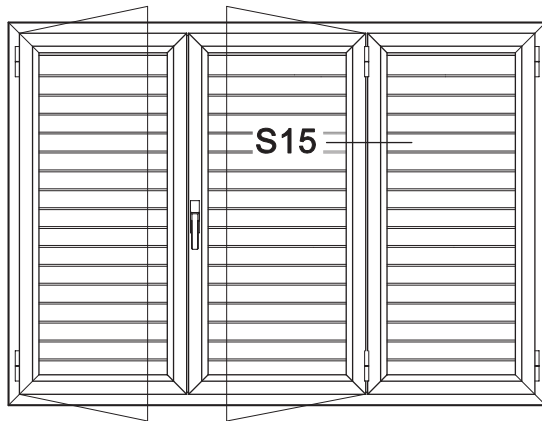


SECCION 13

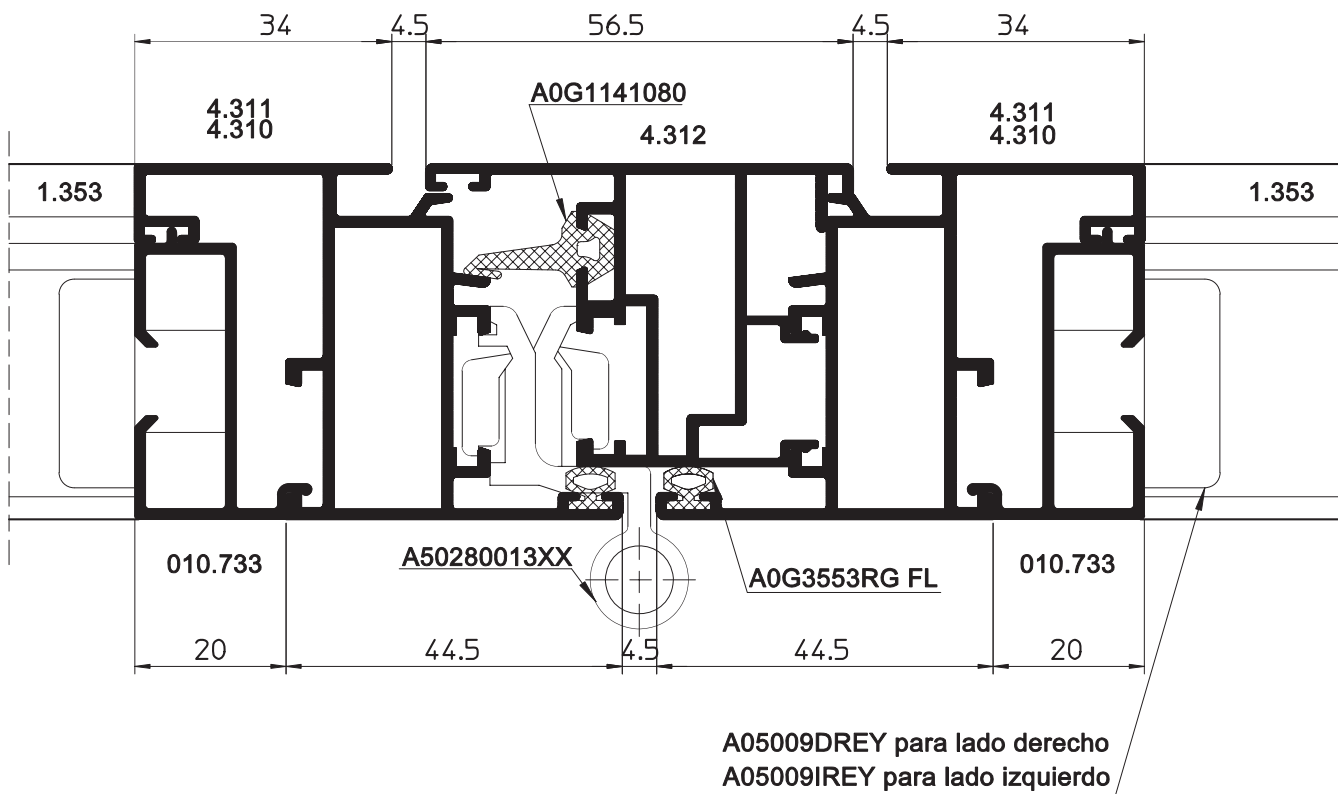


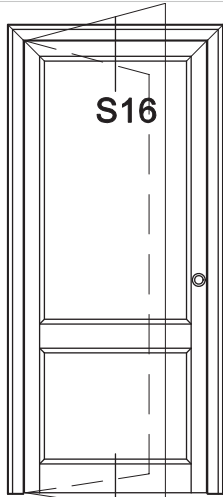
SECCION 14



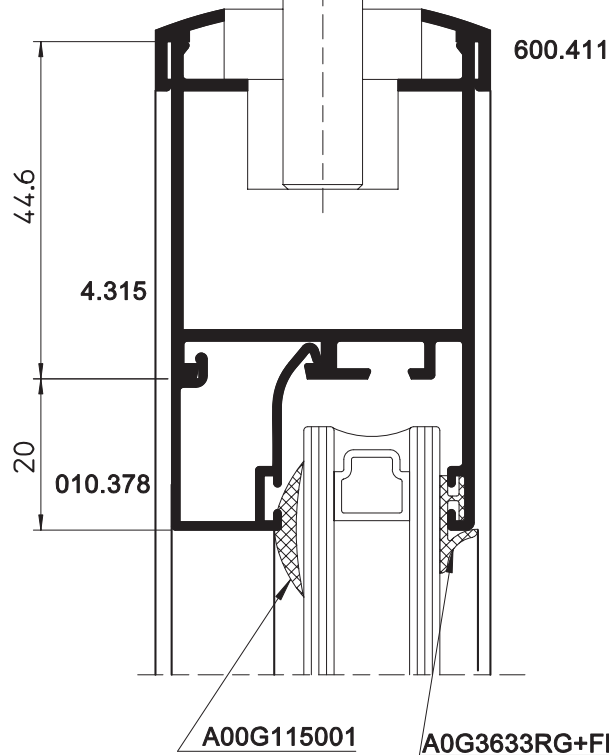
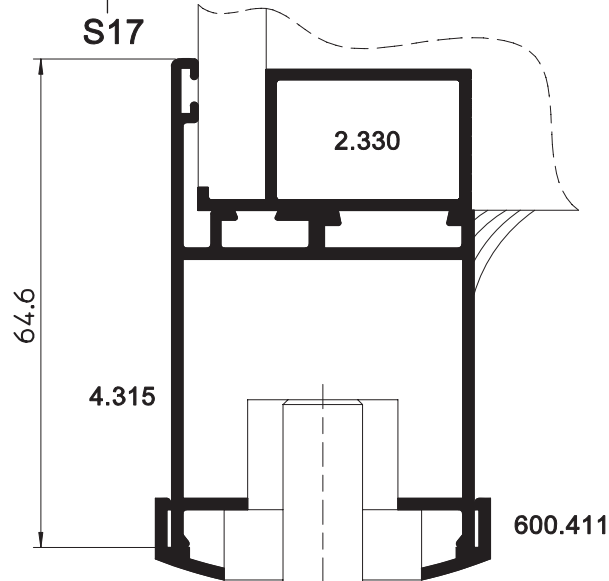


SECCION 15

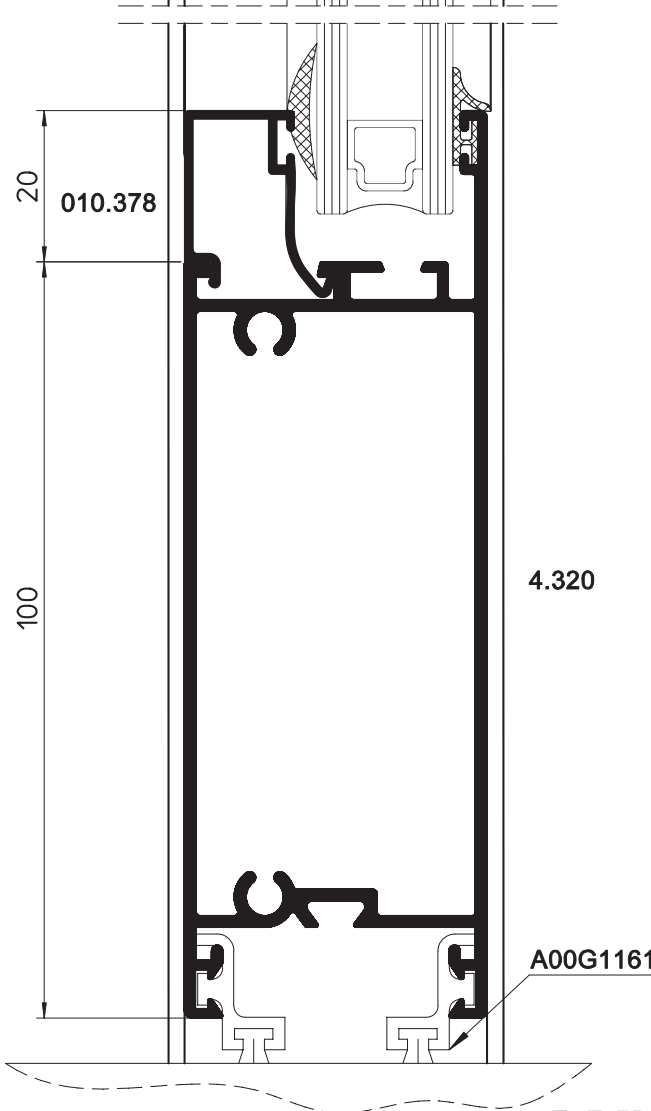
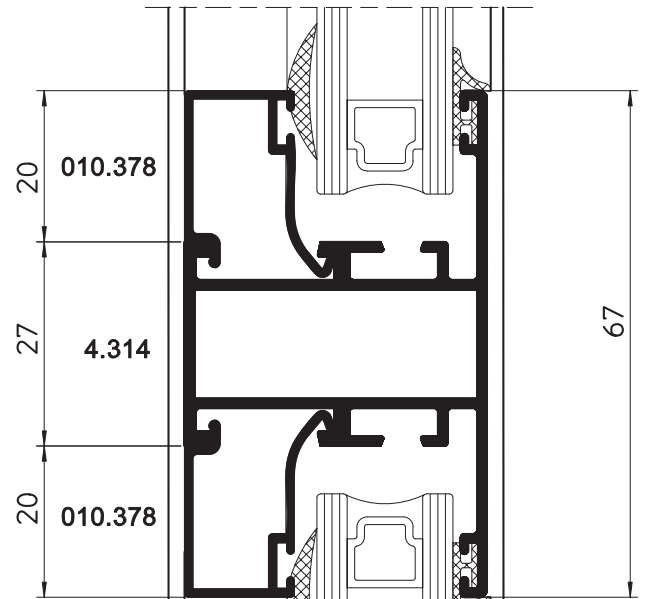


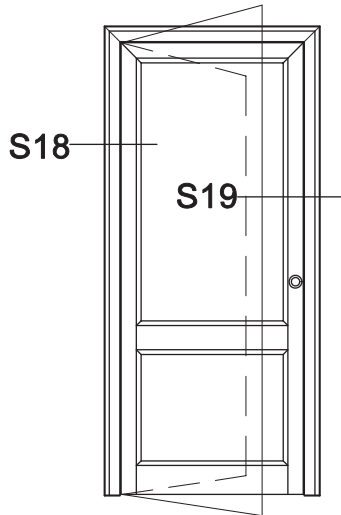


SECCION 16

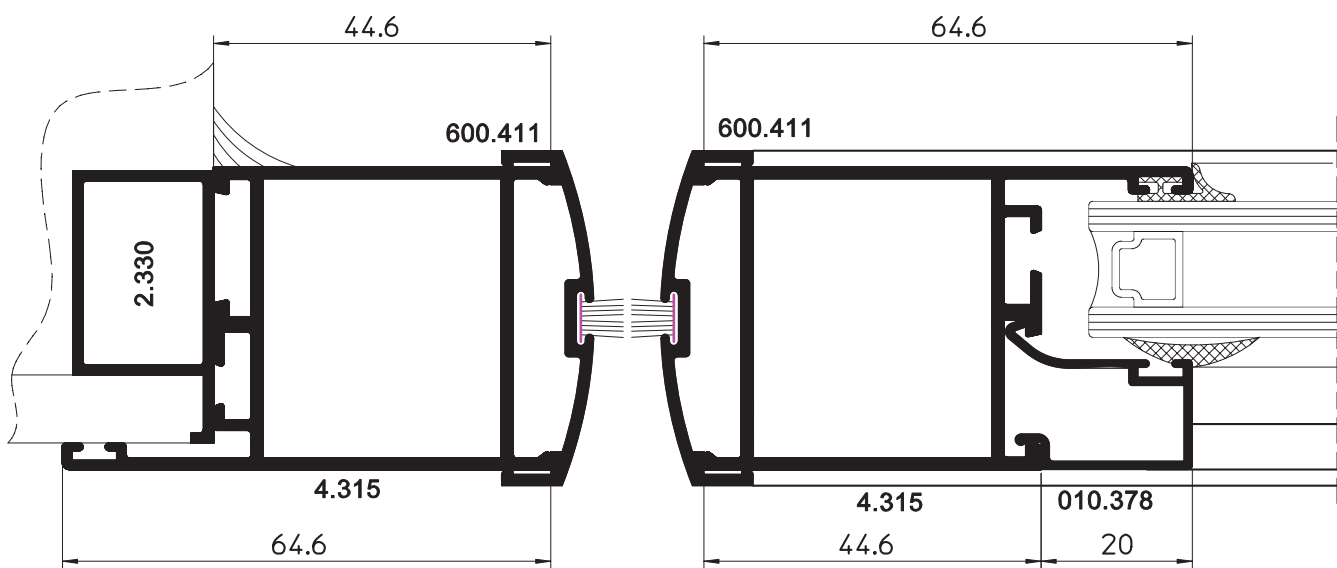


SECCION 17

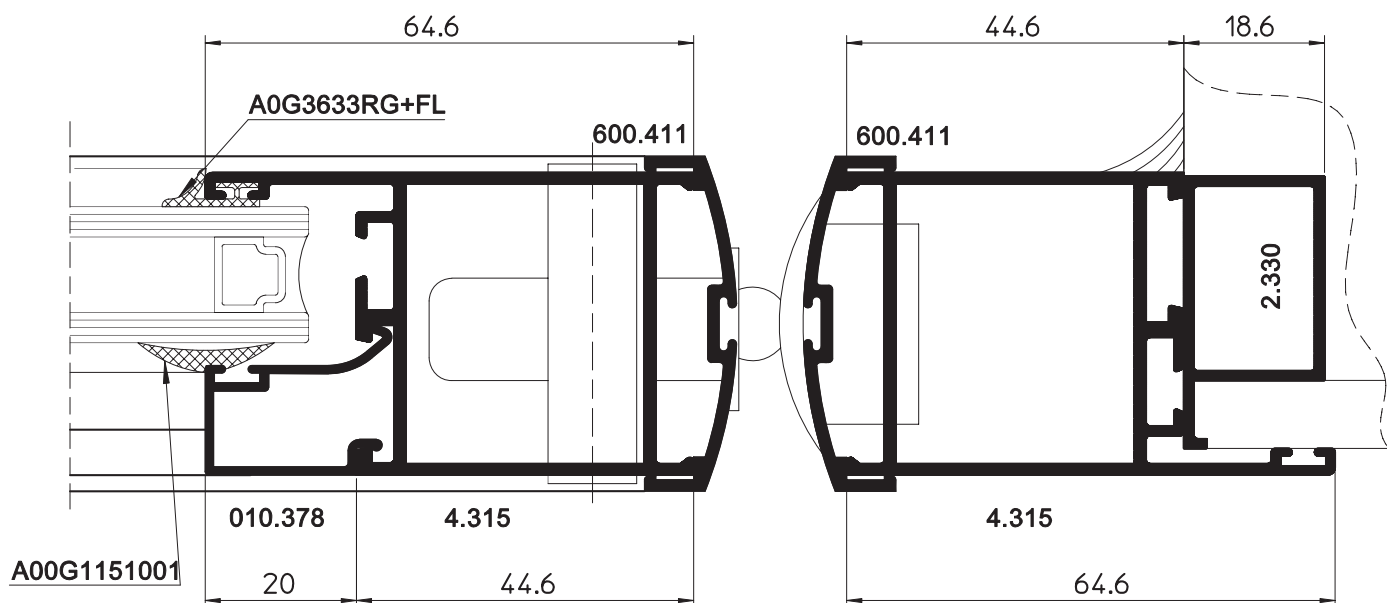




SECCION 18

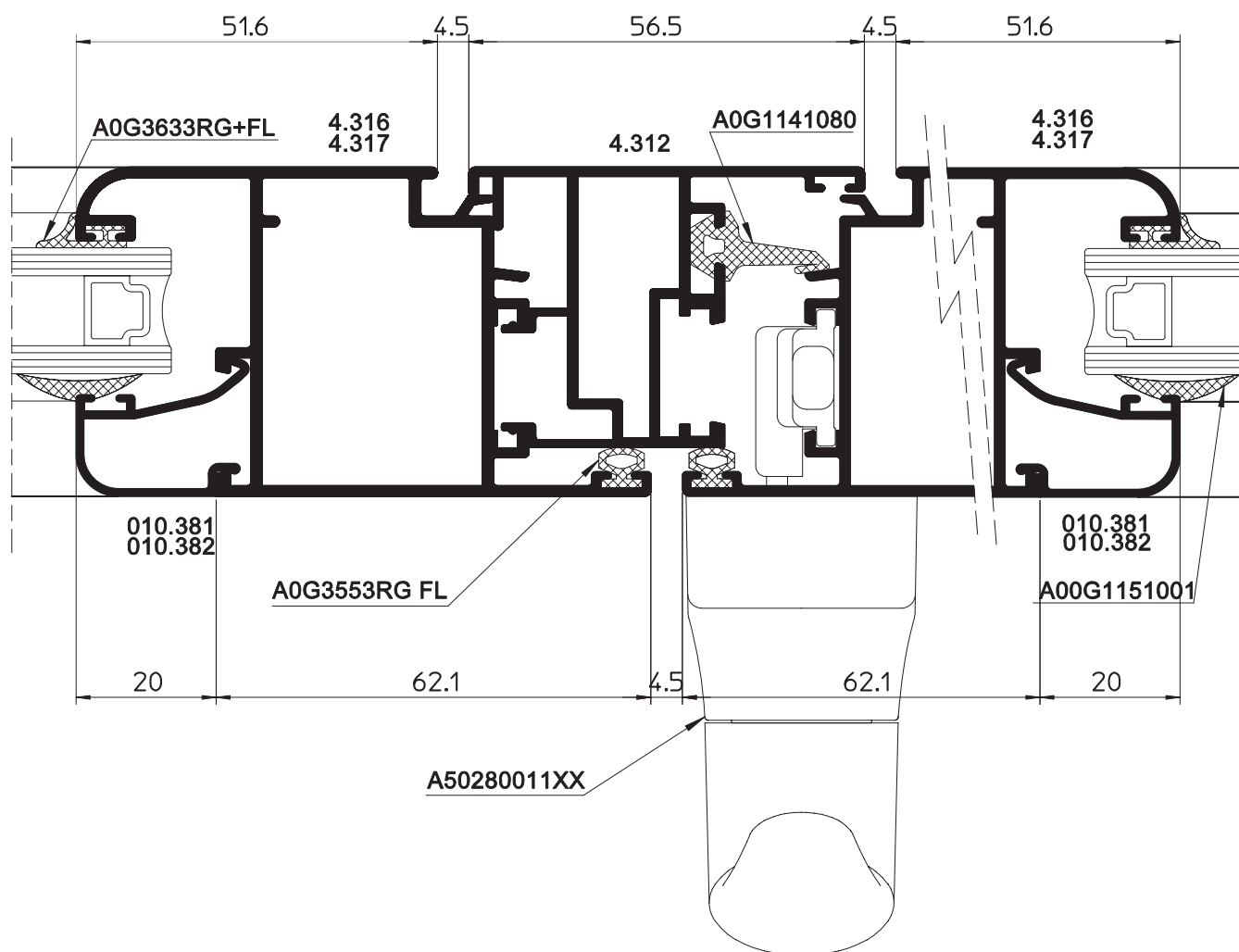


SECCION 19

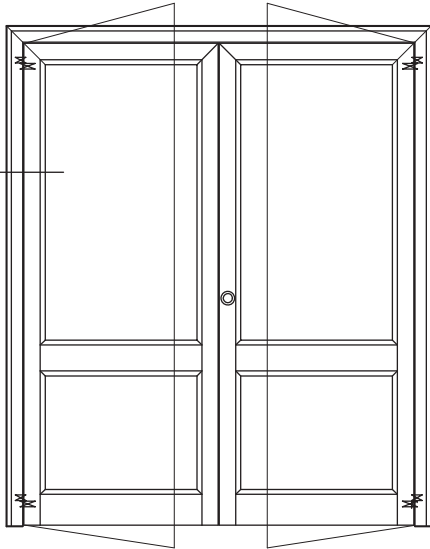




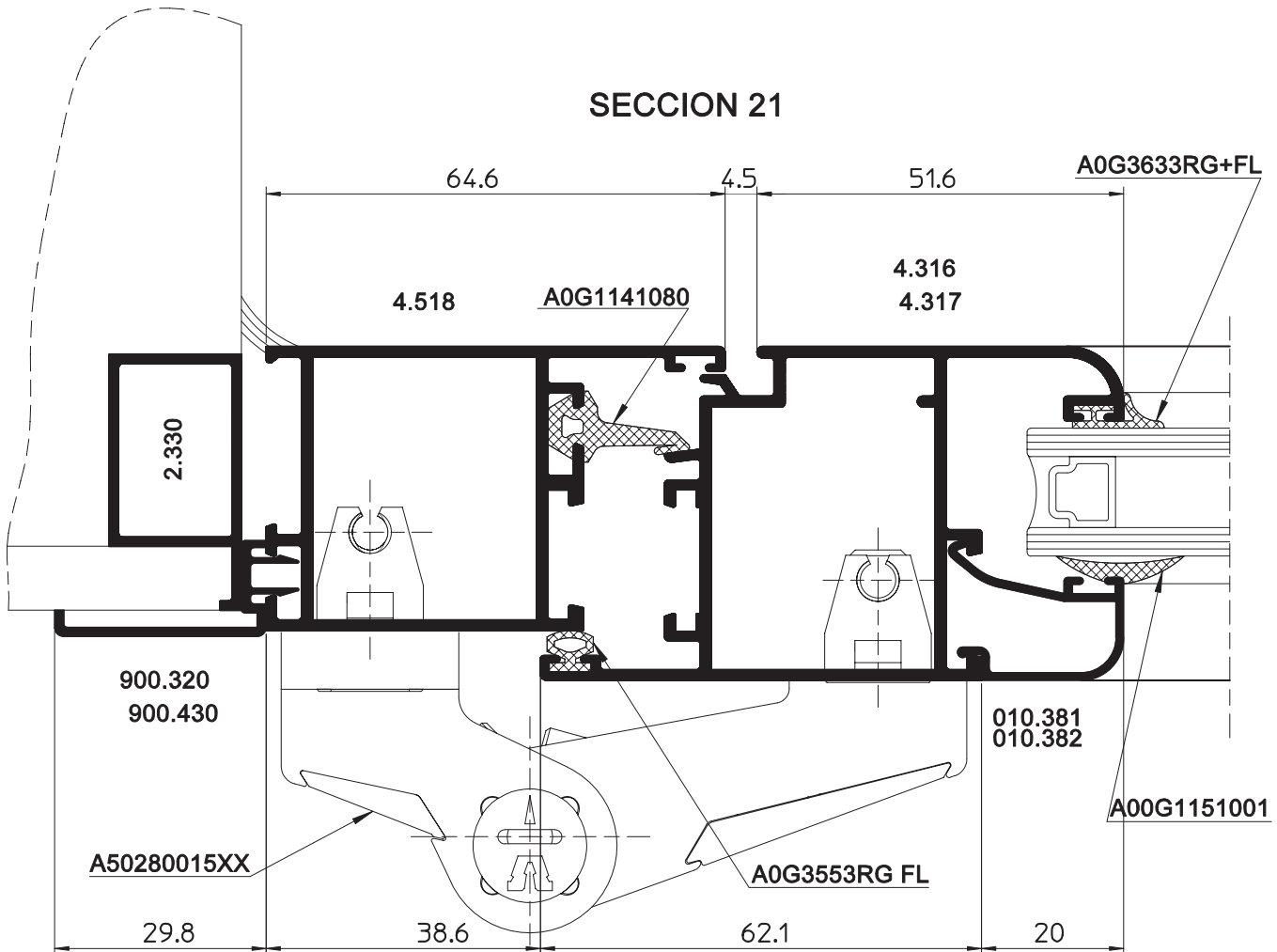
SECCION 20

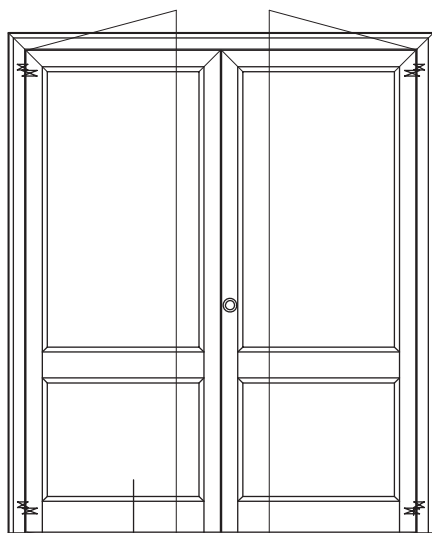


S21



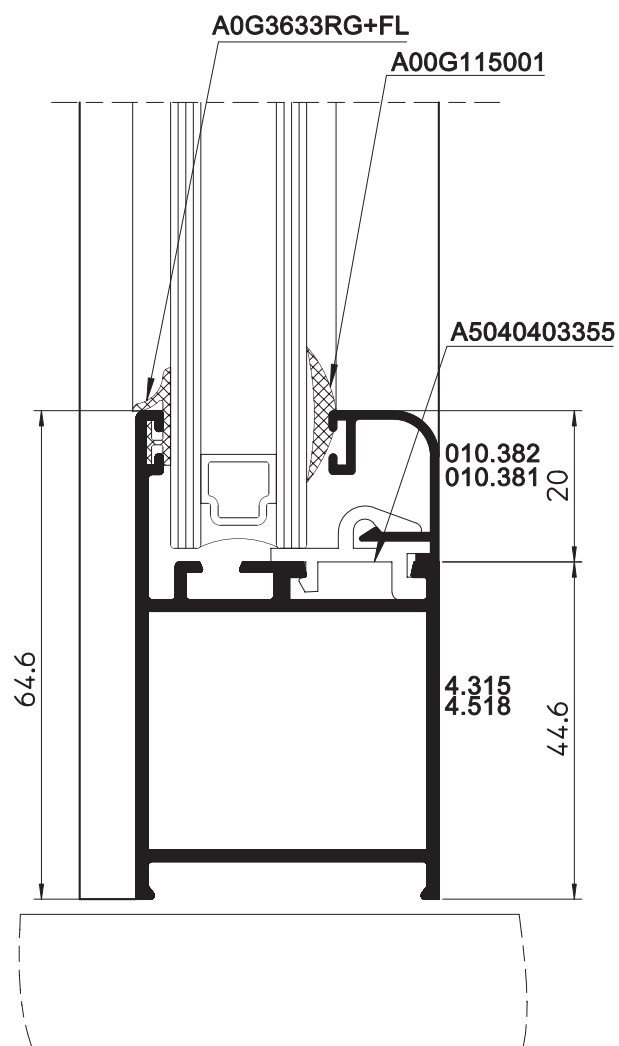
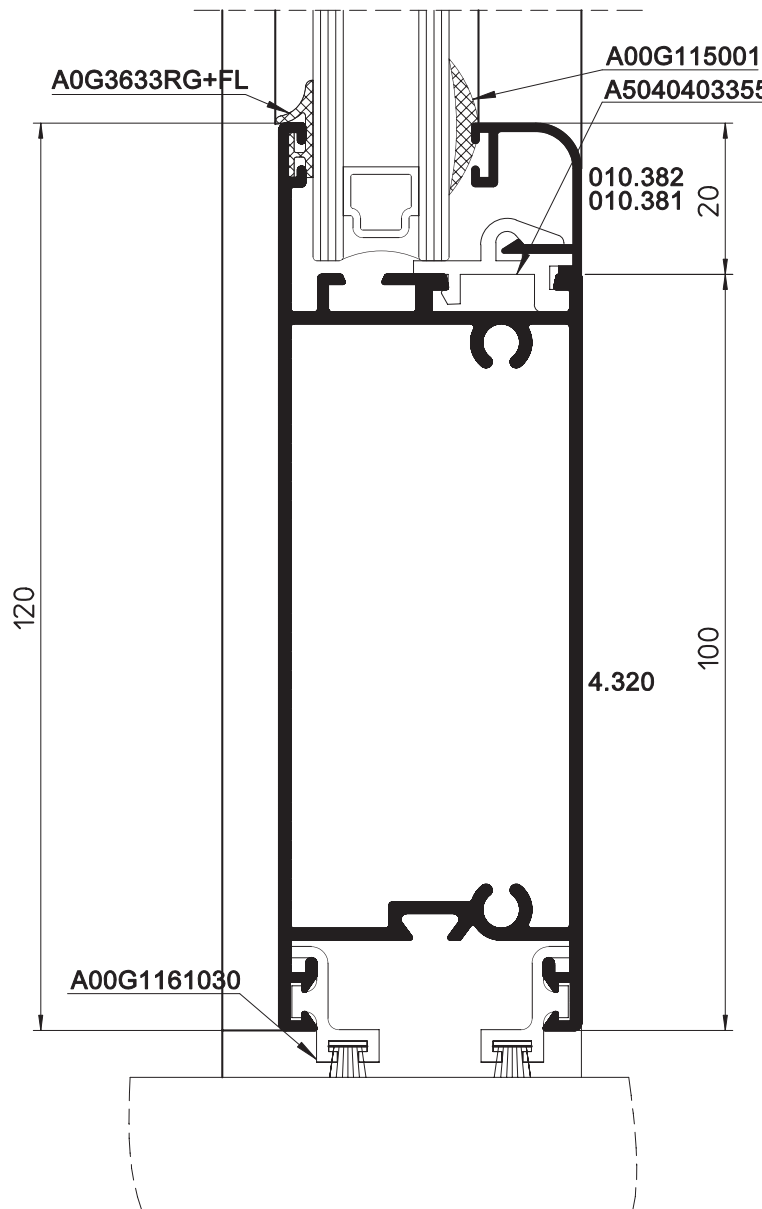
SECCION 21



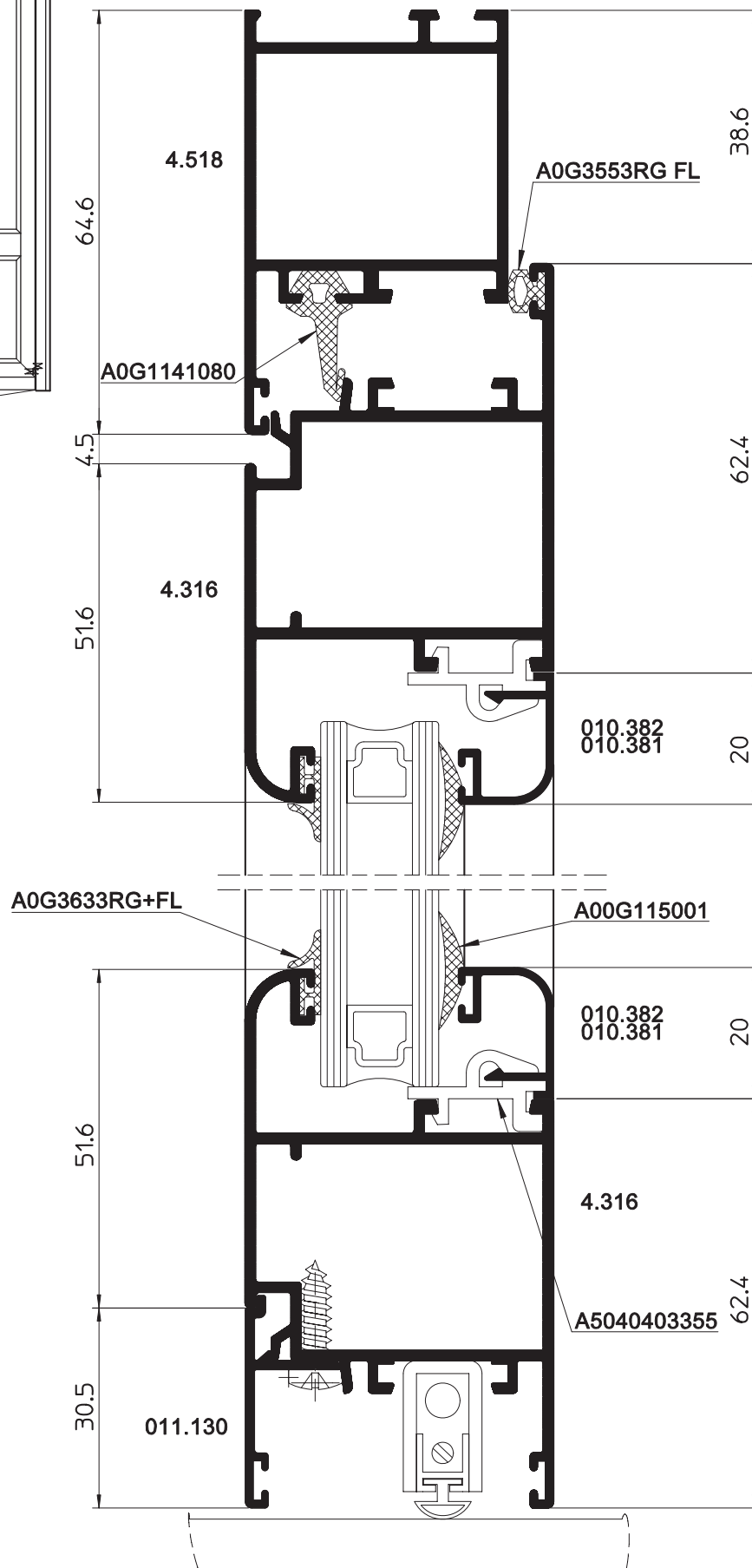
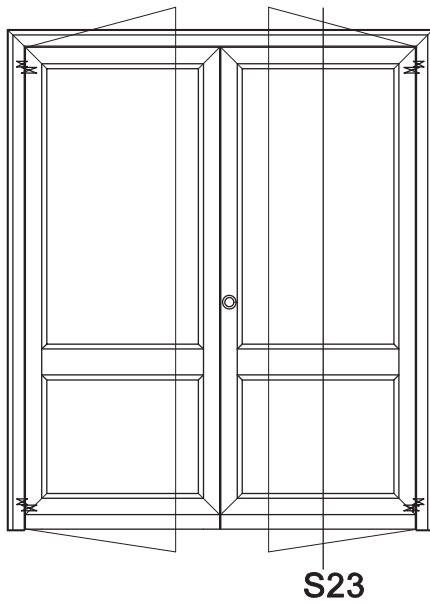


S22

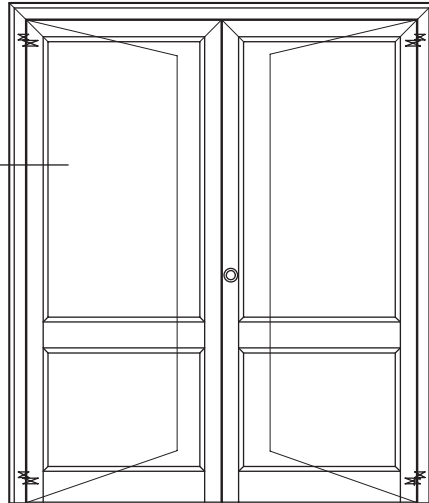
SECCION 22



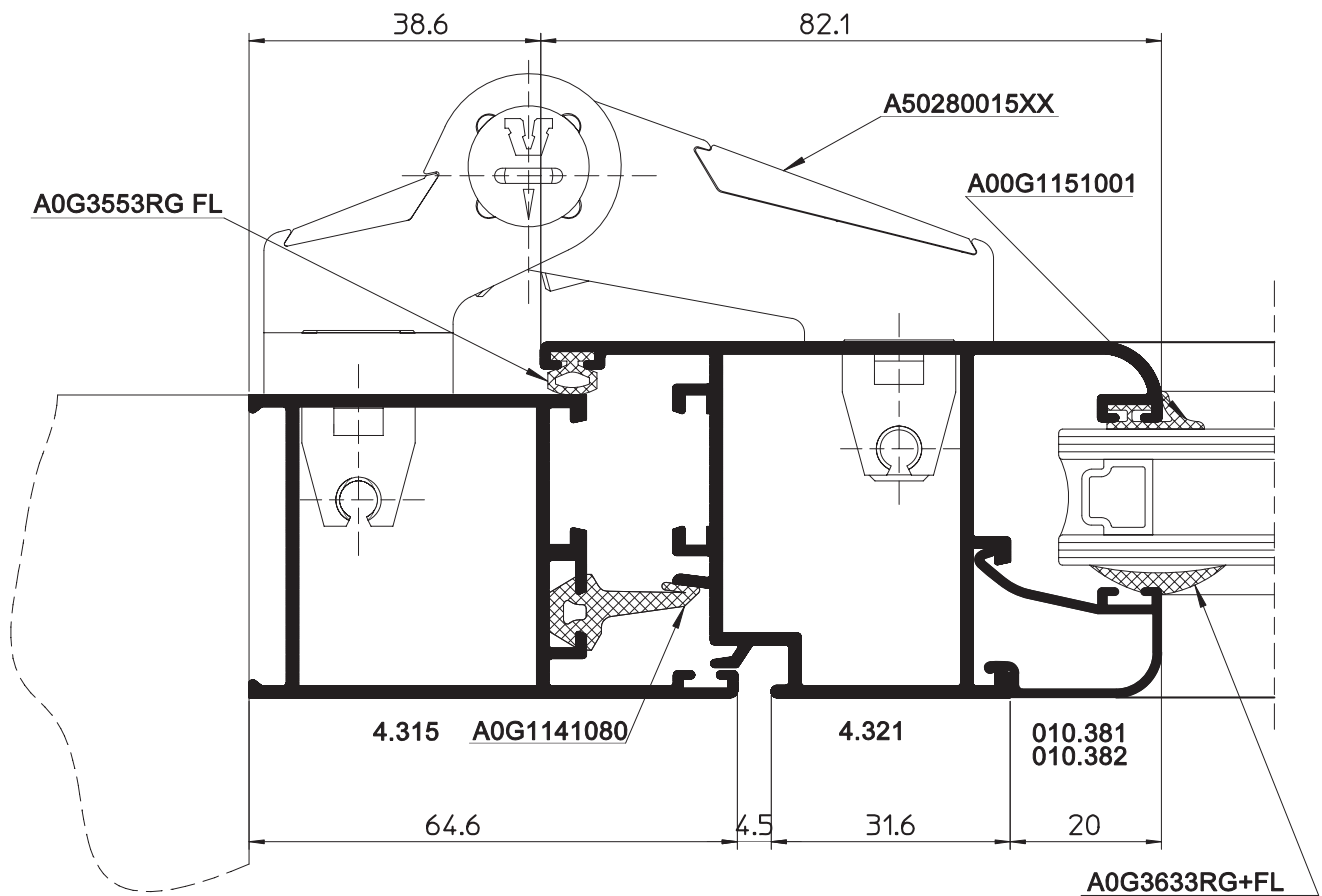
SECCION 23



S24

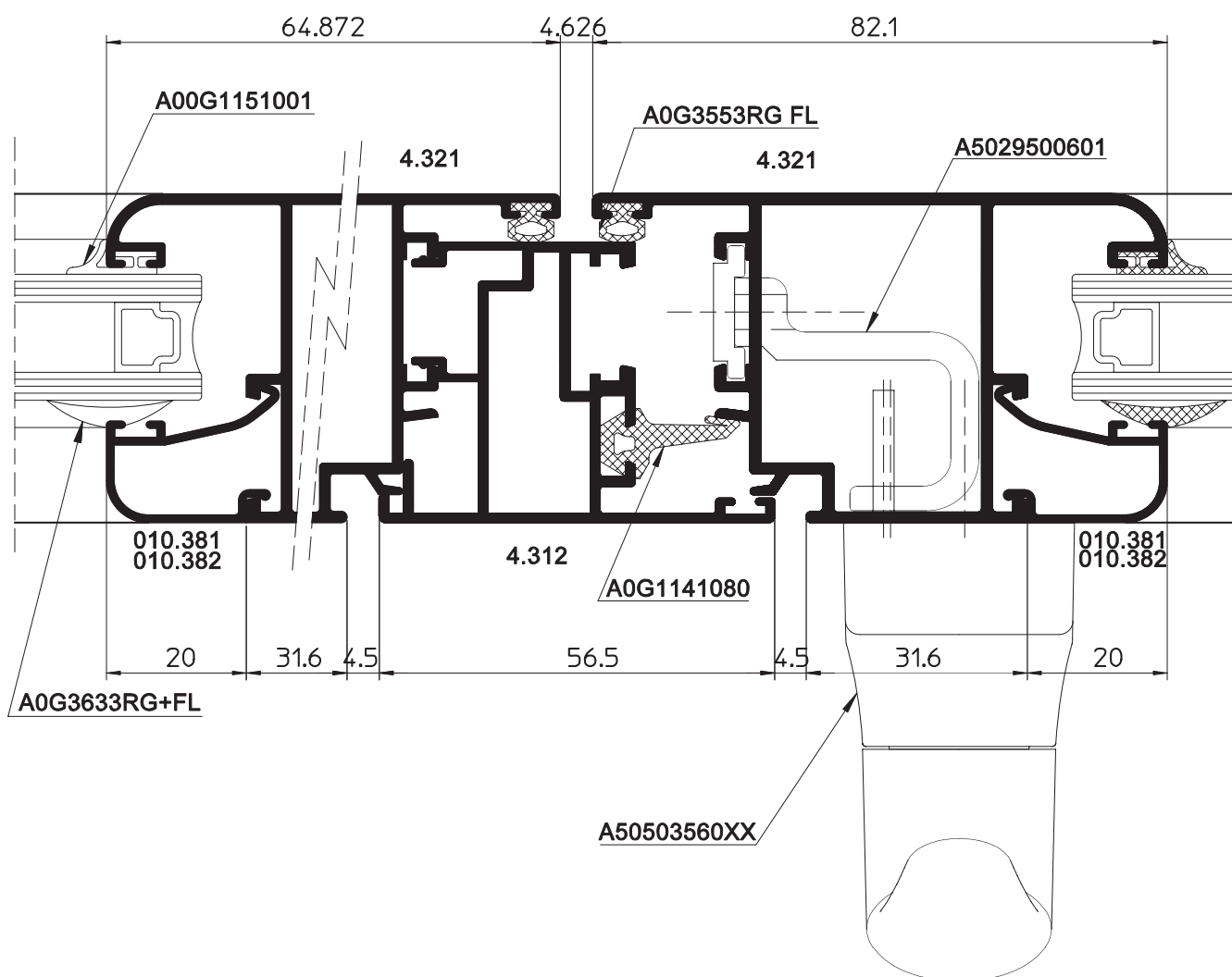


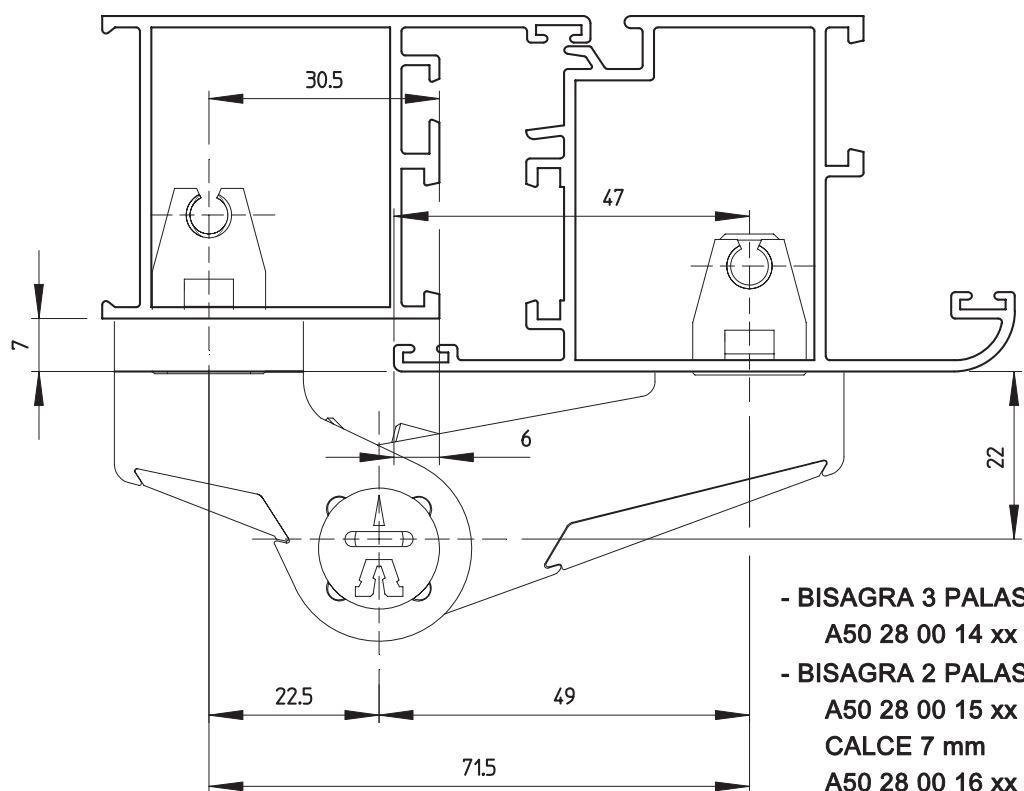
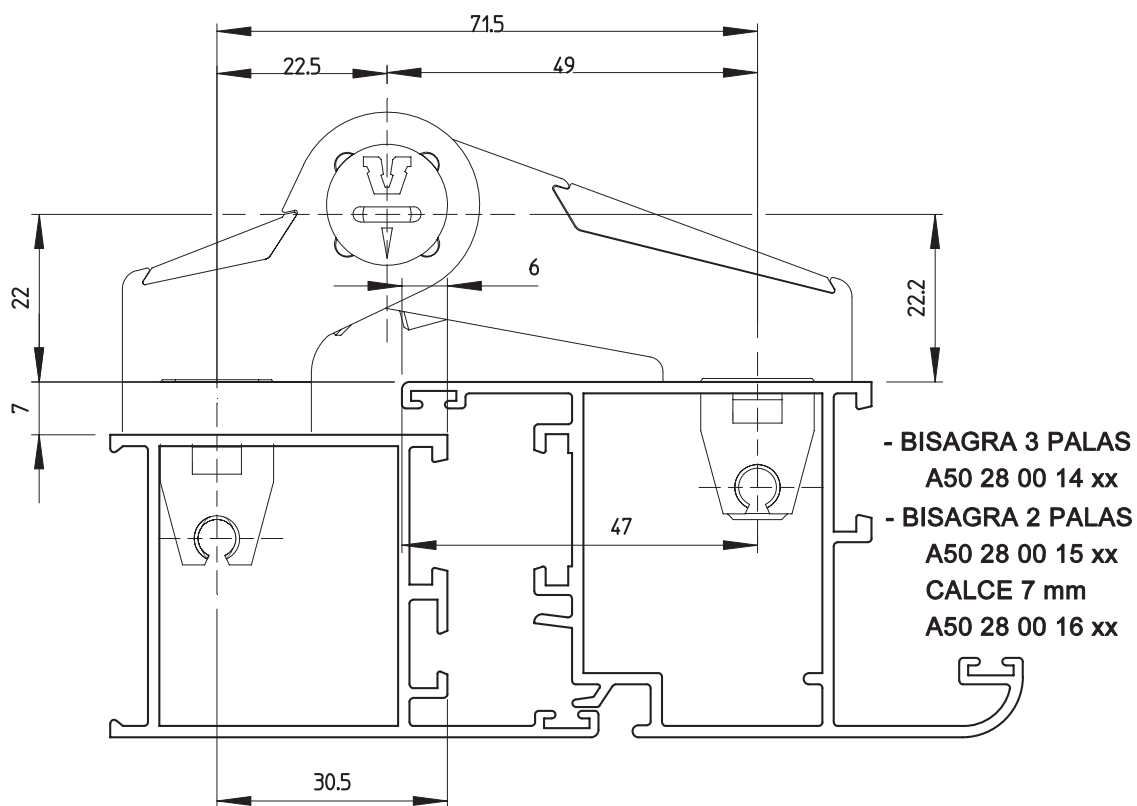
SECCION 24





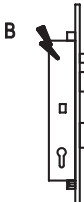
SECCION 25





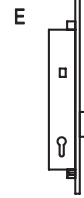
CERRADURA VERTICAL DE SEGURIDAD	CERRADERO REGULABLE METALICO		
ELECTRICA SOLO RESBALON  A016205250	A0646308- JPM	A0646308- JPM (*)	A0646502- JPM
	A-B-C	D	E

(*) INSERTO PARA RODILLO A0614171-JPM

ELECTRICA RESBALON + PALANCA  LATERAL A01621525/2-JPM

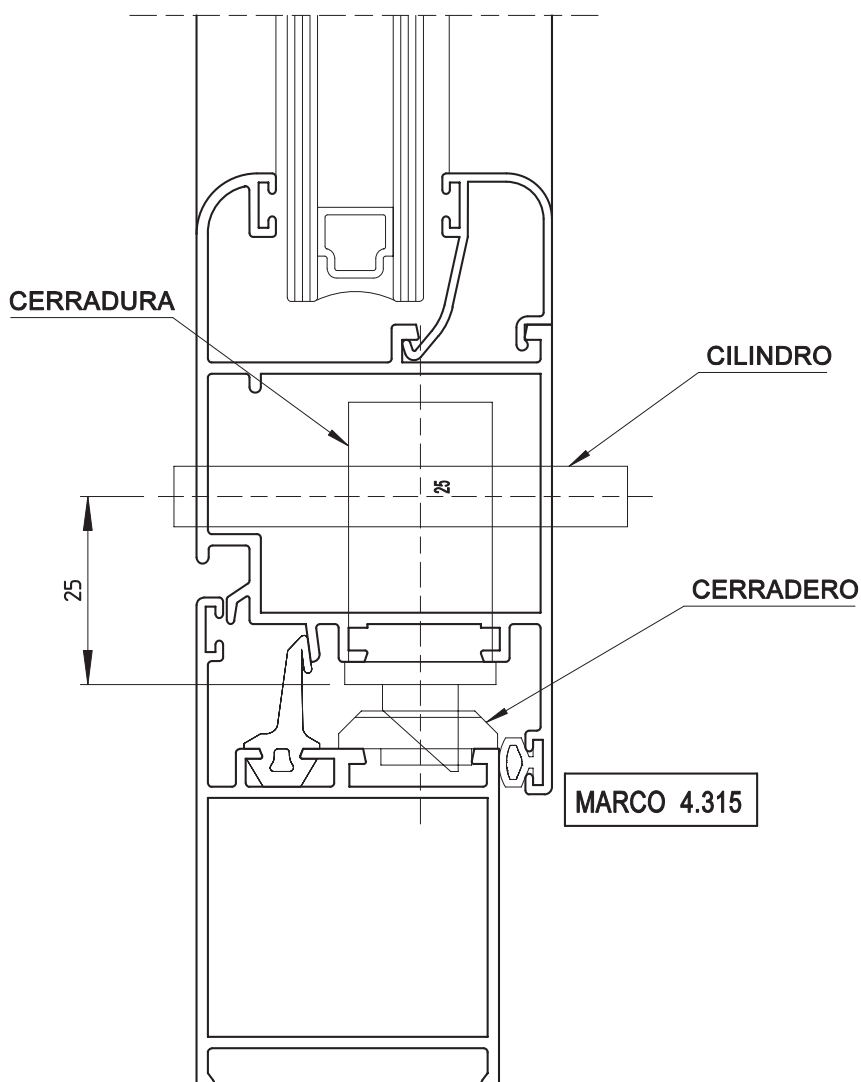
RESBALON REGULABLE + PALANCA  LATERAL A04621525-JPM

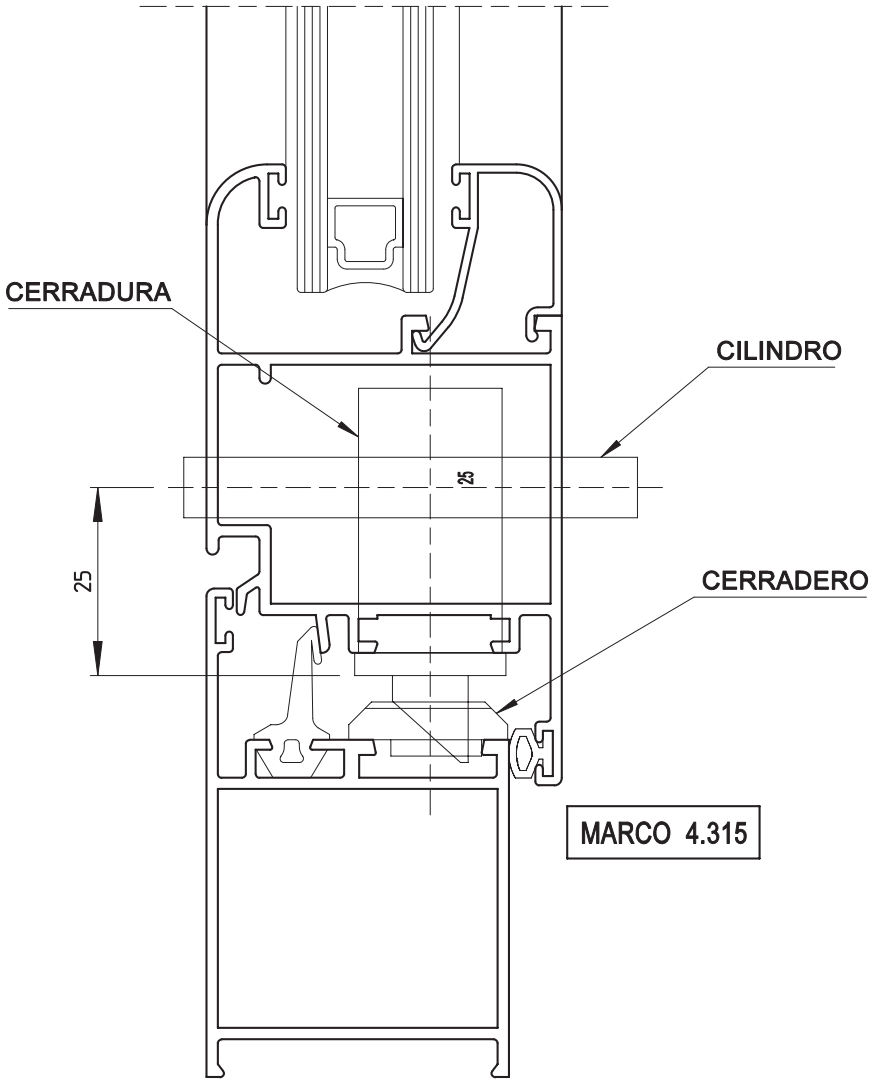
RODILLO REGULABLE + PALANCA  LATERAL A04623025-JPM
--

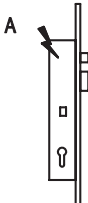
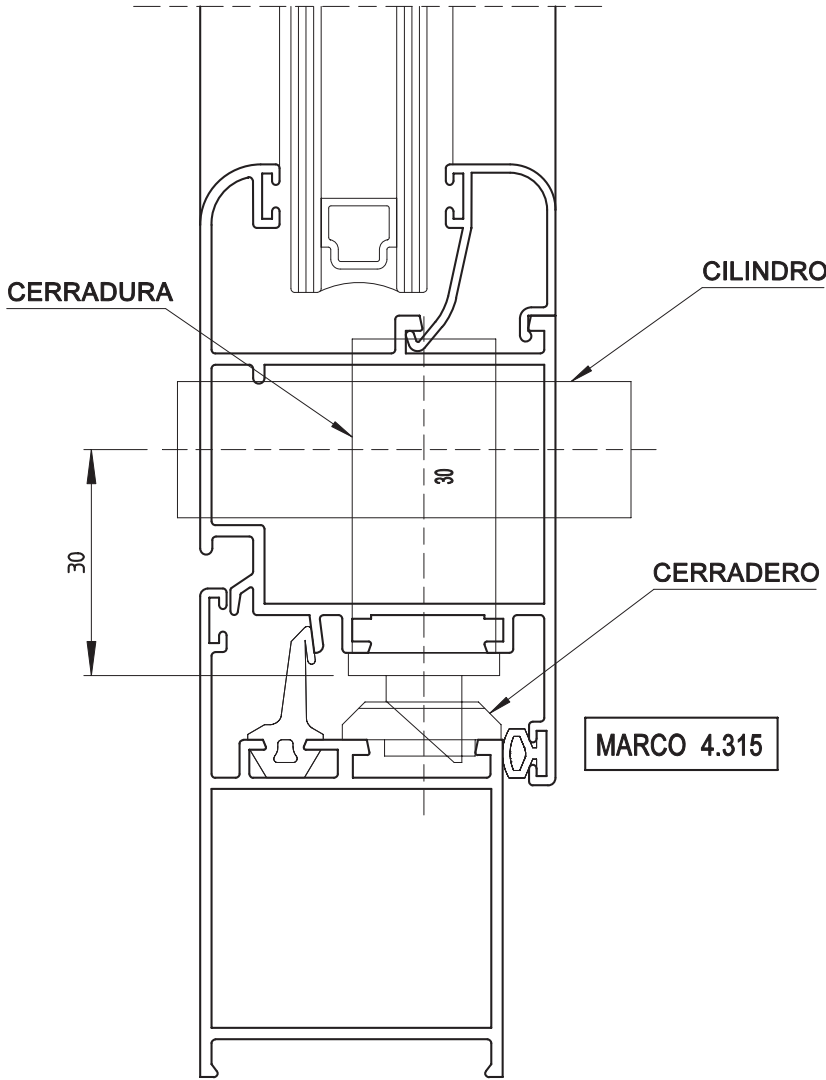
SOLO PALANCA  LATERAL A04621025/2-JPM

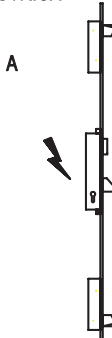
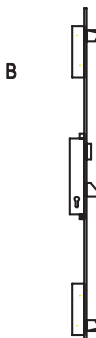
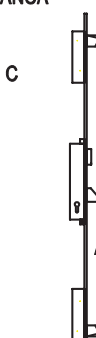
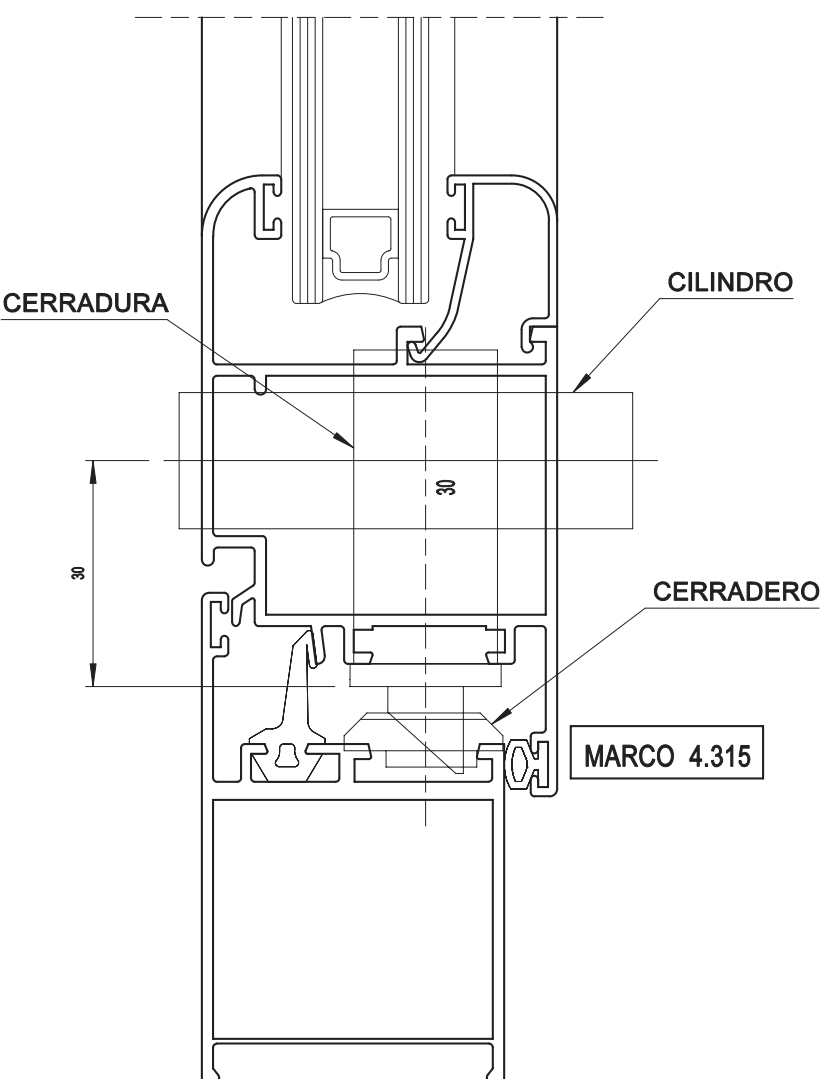
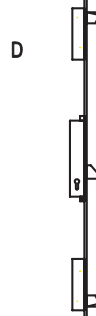
CILINDRO CRUCIFORME

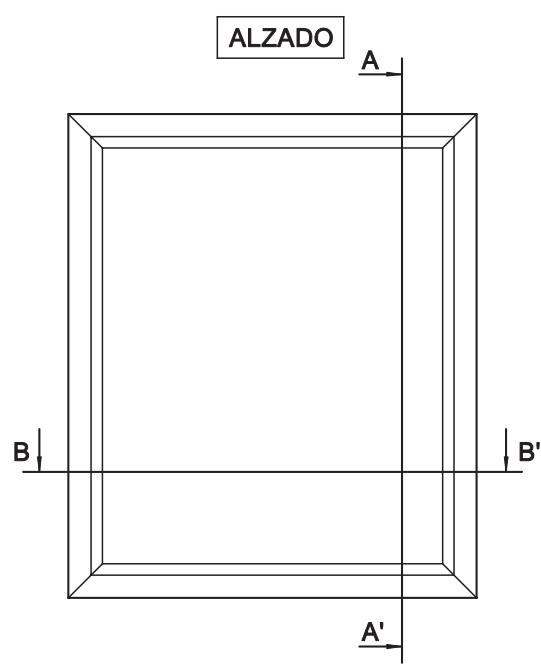
ENTRADA = 25 mm



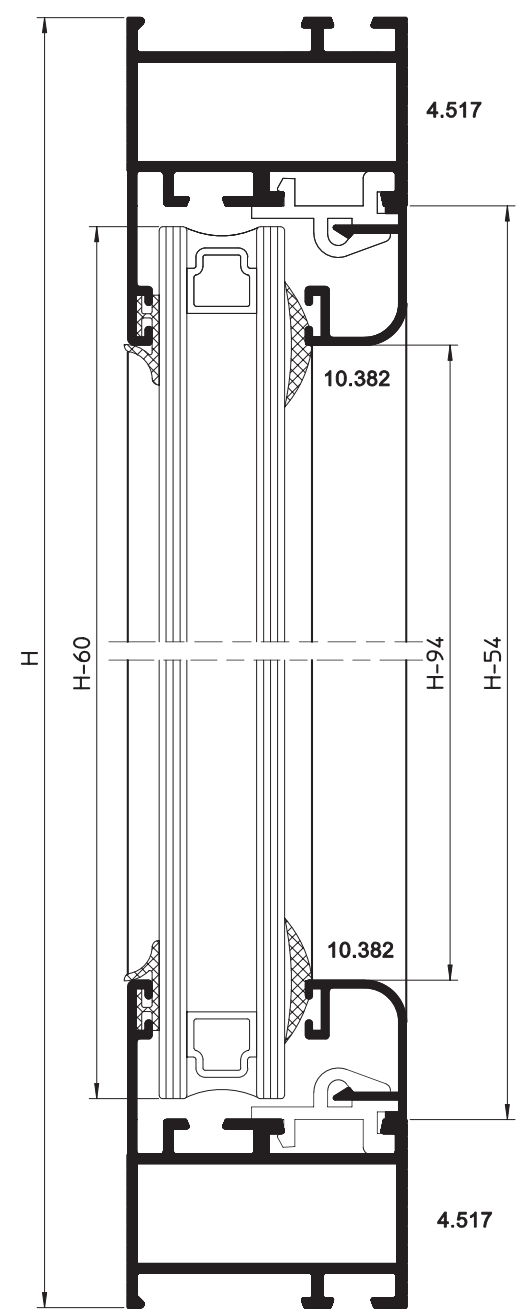
CERRADURA VERTICAL DE SEGURIDAD	CERRADERO REGULABLE METALICO		
ELECTRICA  A A01652525/2-JPM	A0646308- JPM	A0646308- JPM (*)	A0646502- JPM
	A-B-C	D	E
(*) INSERTO PARA RODILLO A0614171-JPM PARA LOS DESVIADORES UTILIZAR DOS CERRADEROS DEL GRUPO D CILINDRO CRUCIFORME			
ENTRADA = 25 mm			
RESBALON REGULABLE + PALANCA  B A04652525-JPM			
RESBALON REGULABLE + PALANCA  C A04655025/2-JPM			
SOLO PALANCAS  D A04652025			

CERRADURA VERTICAL DE SEGURIDAD		CERRADERO REGULABLE METALICO		
ELECTRICA SOLO RESBALON  A01620530/1-JPM		A0646308- JPM	A0646308- JPM (*)	A0646502- JPM
		A-B-C	D	E
ELECTRICA RESBALON + PALANCA  LATERAL A01621530/2-JPM		(*) INSERTO PARA RODILLO A0614171-JPM CILINDRO EUROPERFIL 60 mm A0831006012-JPM ENTRADA = 30 mm		
				
RESBALON REGULABLE + PALANCA  LATERAL A04621530-JPM				
RODILLO REGULABLE + PALANCA  LATERAL A04623030-JPM				
SOLO PALANCA  LATERAL A04621030/2-JPM				

CERRADURA VERTICAL DE SEGURIDAD	CERRADERO REGULABLE METALICO		
ELECTRICA  A A01652530/2-JPM	A0646308- JPM	A0646308- JPM (*)	A0646502- JPM
	A-B-C	D	E
RESBALON REGULABLE + PALANCA  B A04652530-JPM	(*) INSERTO PARA RODILLO A0614171-JPM PARA LOS DESVIADORES UTILIZAR DOS CERRADEROS DEL GRUPO D CILINDRO EUROPERFIL 60 mm A0831006012-JPM		
RESBALON REGULABLE + PALANCA  C A04655030/2-JPM	ENTRADA = 30 mm 		
SOLO PALANCAS  D A04652030			



SECCIÓN VERTICAL A-A'



LISTA DE CORTE

PERFIL	DENOMINACION	UNIDADES	CORTE
4.517	Cerco (horizontal)	2	L
4.517	Cerco (vertical)	2	H
10.382	Junquillo (horizontal)	2	L-54
10.381	Junquillo (vertical)	2	H-54

* Para junquillos, ver hoja de acristalamiento. Junquillos curvos corte a inglete.

LISTA DE ACCESORIOS

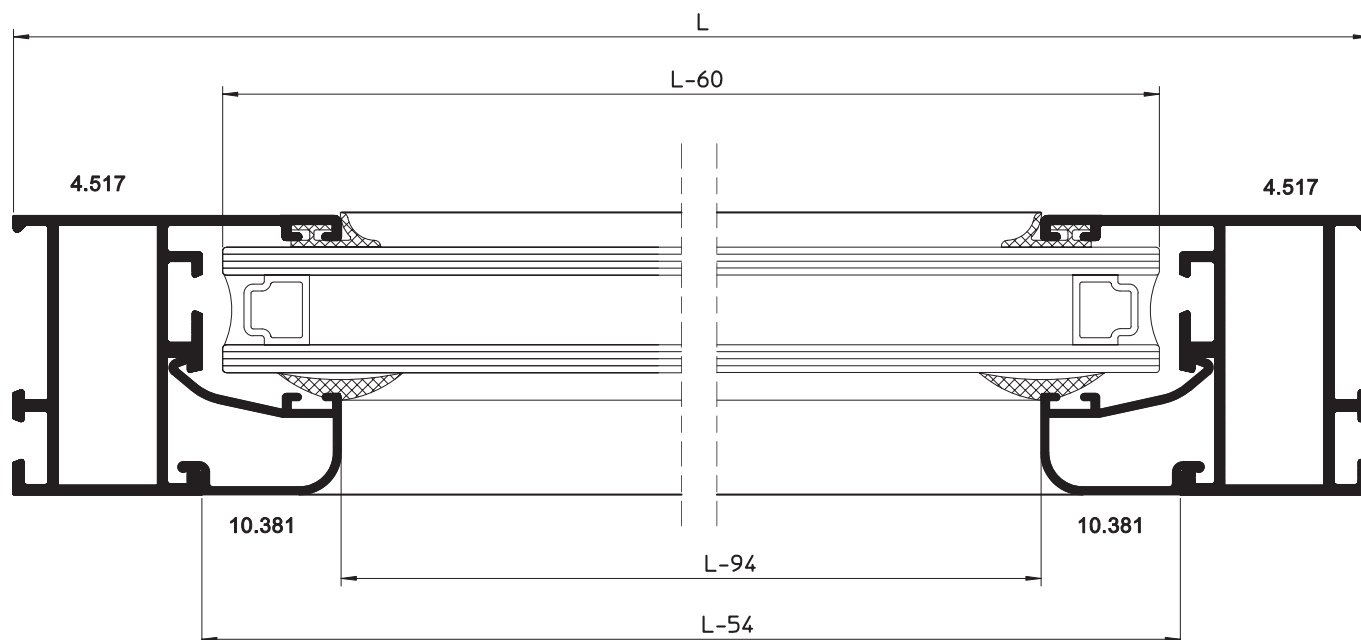
DENOMINACION	REFERENCIA	UNIDADES	DIMENSION
Escuadra de aluminio	A83714105	4	
Tapa cortavientos salida de agua	A0050926155	2	
Burlete acristalamiento exterior	A0G3633RG+FL	4	2 (L-79) 2 (H-79)
Burlete acristalamiento interior. (1)	A00G1151001	4	2 (L-79) 2 (H-79)
* * Calzo de cristal			
Vidrio		1	(L-60)x(H-60)

* * Para junquillos Curvos utilizar calzo de 6 mm, y reducir las dos dimensiones de vidrio 6 mm.

Utilizar clip junquillo A50 404 033 55

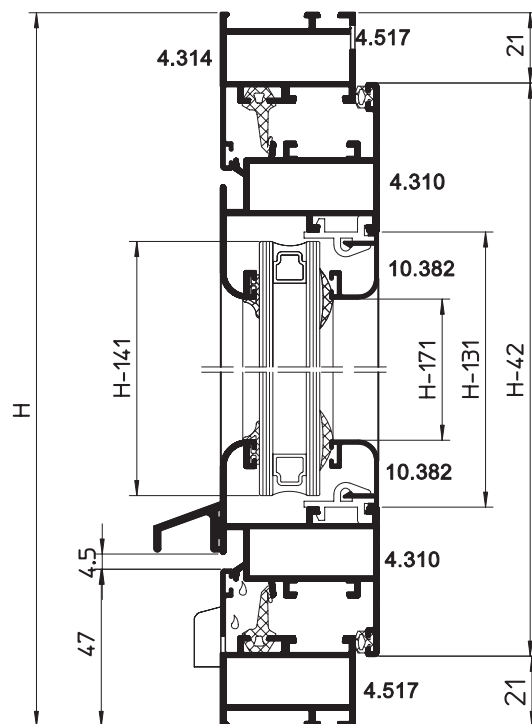
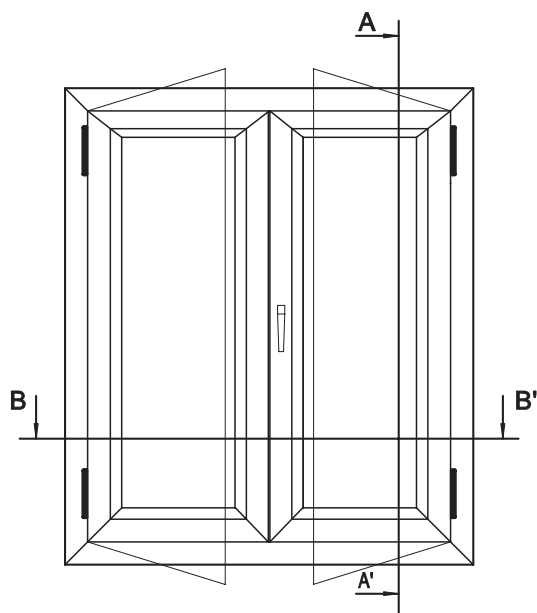
(1). Ver tabla de acristalamiento

SECCIÓN HORIZONTAL B-B'



SECCIÓN VERTICAL A-A'

ALZADO



LISTA DE CORTE

PERFIL	DENOMINACION	UNIDADES	CORTE
4.517	Cerco (horizontal)	2	L
4.517	Cerco (vertical)	2	H
4.310	Hoja (horizontal)	4	L/2-23
4.310	Hoja (vertical)	4	H-42
4.312	Inversor hoja	1	H-103
10.382	Junquillo hoja (horizontal)	4	L/2-112
10.381	Junquillo hoja (vertical)	4	H-131

* Para junquillos, ver hoja de acristalamiento. Junquillos curvos corte a inglete.

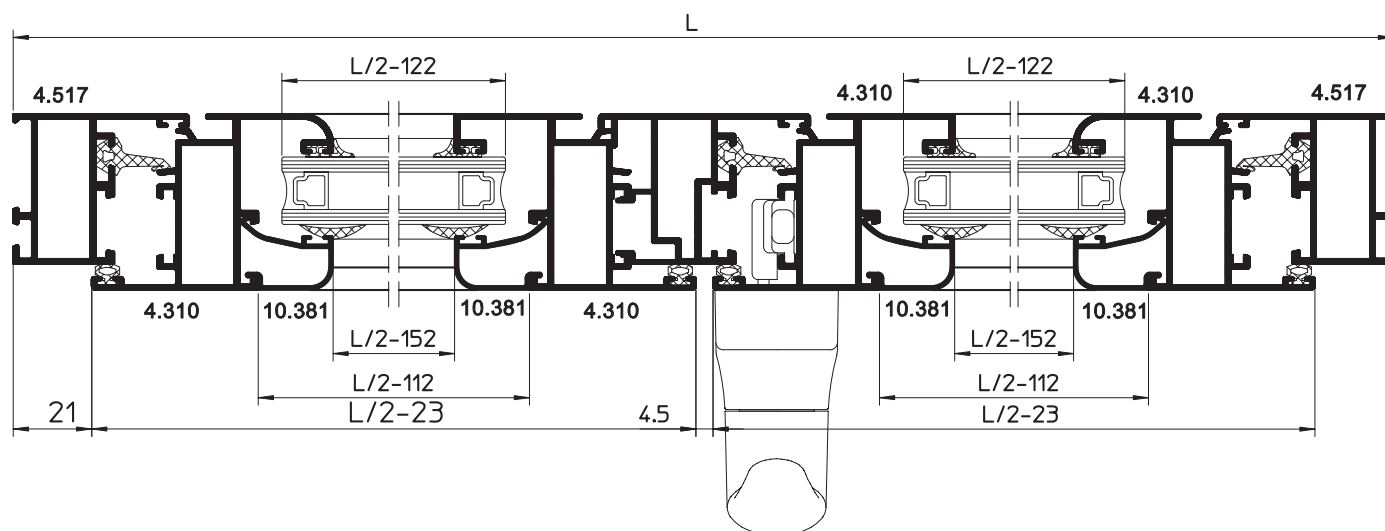
LISTA DE ACCESORIOS

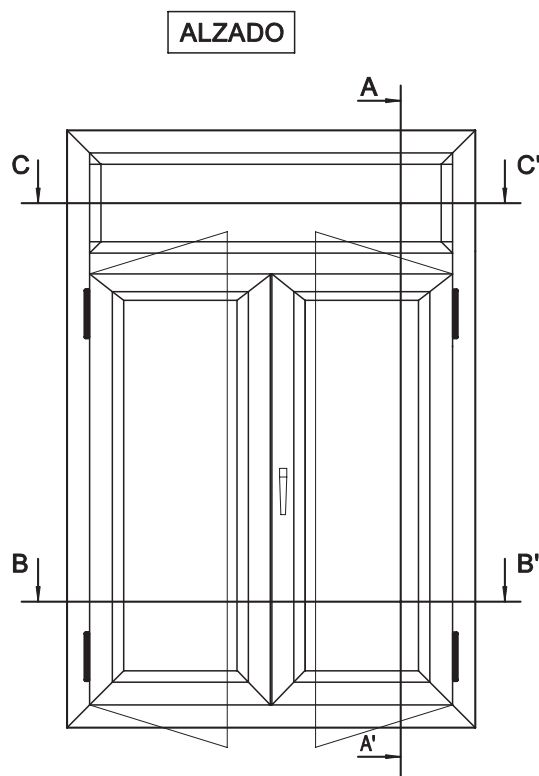
DENOMINACION	REFERENCIA	UNIDADES	DIMENSION
Escuadra aluminio	A83714105	8	
Tapa cortavientos salida de agua	A0050926155	2	
Tapas flexibles para perfil central Ref:4.312	A5029500155	2	
Junta central cerco	A0G1141080	4	2 (L-42) 2 (H-42)
Junta central hoja	A0G1141080	1	H-103
Angulo vulcanizado para A0G1141080	A5029501405	4	
Burlete perimetral de hoja	A0G3553RG+FL	8	4 (L/2-23) 4 (H-42)
Goma de acristalamiento exterior hoja	A0G3633RG+FL	8	4 (L/2-152) 4 (H-171)
Burlete acristalamiento interior, hoja. (1)	A00G1151001	8	4 (L/2-152) 4 (H-171)
Herrajes y bisagras (según catálogo proveedor)			
* * Calzo de cristal			
Vidrio hoja		2	(L/2-122)x(H-141)

* * Para junquillos Curvos utilizar calzo de 6 mm, y reducir las dos dimensiones de vidrio 6 mm.

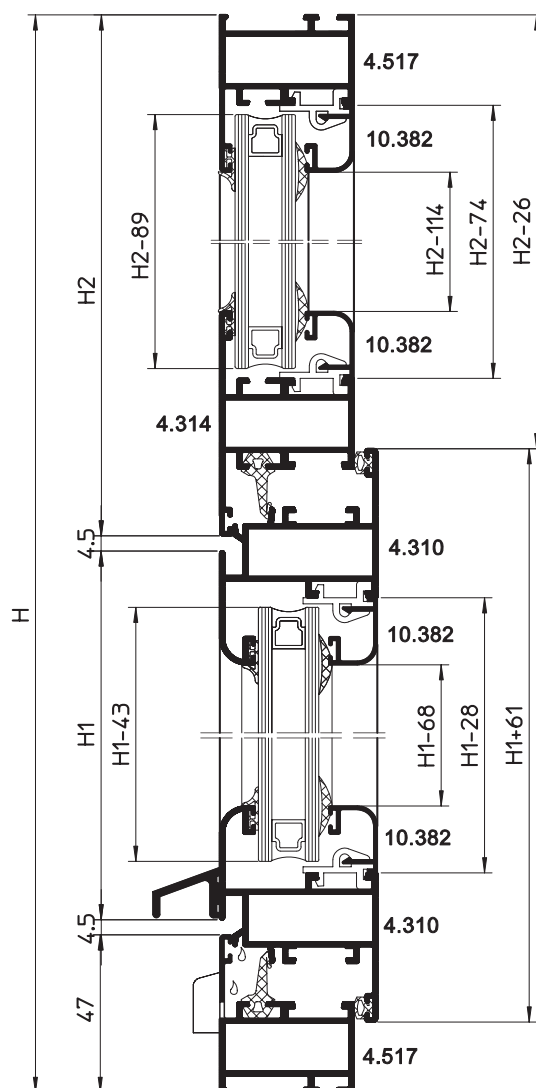
Utilizar clip junquillo A50 404 033 55

(1). Ver tabla de acristalamiento





SECCIÓN VERTICAL A-A'



LISTA DE CORTE

PERFIL	DENOMINACION	UNIDADES	CORTE
4.517	Cerco (horizontal)	2	L
4.517	Cerco (vertical)	2	H
4.314	T travesaño 67x40 (horizontal)	1	L-45.5
10.382	Junquillo cerco fijo (horizontal)	2	L-54
10.381	Junquillo cerco fijo (vertical)	2	H2-74
4.310	Hoja (horizontal)	4	L1
4.310	Hoja (vertical)	4	H1+61
4.312	Inversor hoja	1	H1
10.382	Junquillo hoja (horizontal)	4	L1-89
10.381	Junquillo hoja (vertical)	4	H1-28

* Para junquillos, ver hoja de acristalamiento. Junquillos curvos corte a inglete.

LISTA DE ACCESORIOS

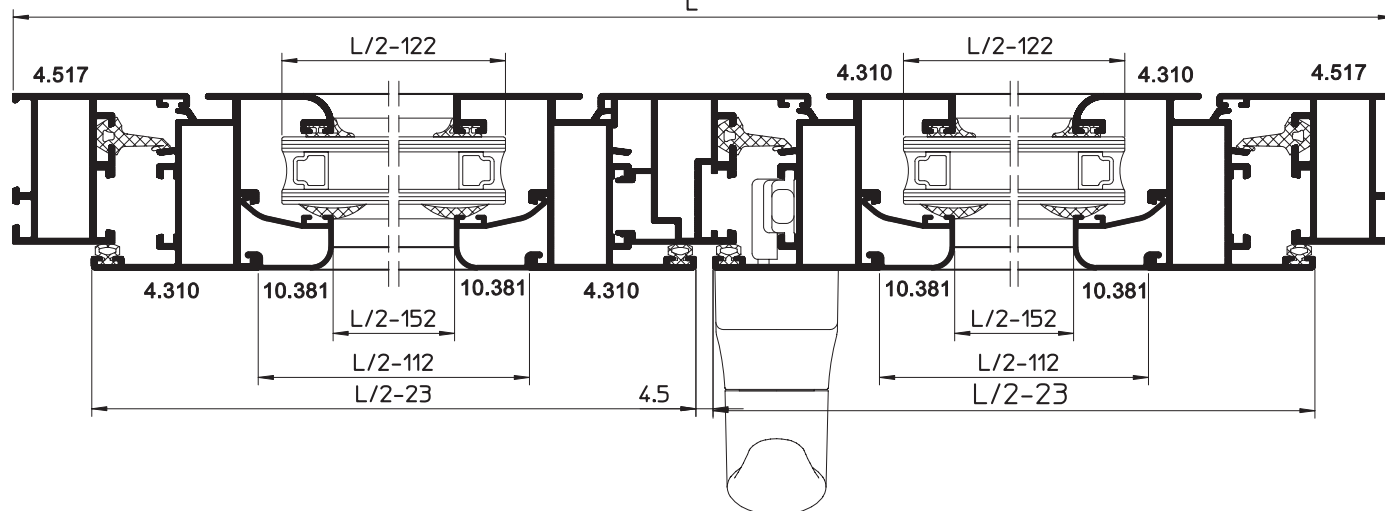
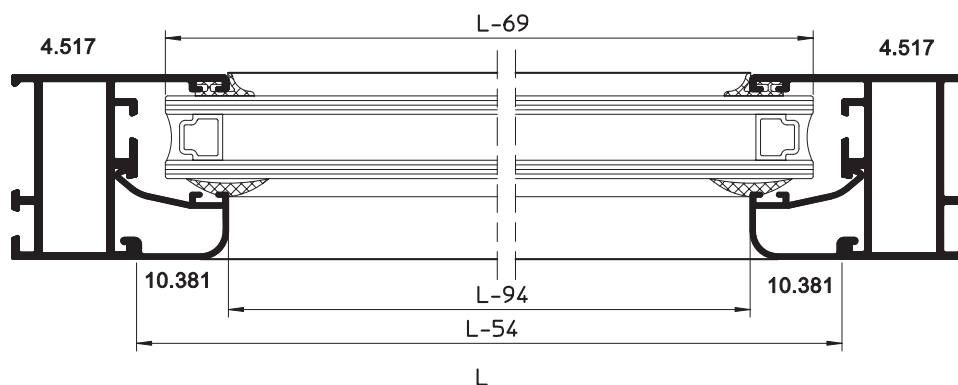
DENOMINACION	REFERENCIA	UNIDADES	DIMENSION
Escuadra aluminio	A83714105	12	
Tope de travesaño	A5029500201	2	
Tapa cortavientos salida de agua	A0050926155	4	
Tapas flexibles para perfil central Ref:4.312	A5029500155	2	
Junta central cerco	A0G1141080	4	2 (L-44) 2 (H1+60)
Junta central hoja	A0G1141080	1	H1
Angulo vulcanizado para A0G1141080	A5029501405	4	
Burlete perimetral de hoja	A0G3553RG+FL	8	4 (L/2-23) 4 (H1+61)
Goma de acristalamiento exterior,cerco (fijo)	A0G3633RG+FL	4	2 (L-94) 2 (H2-100)
Burlete acristalamiento interior, cerco (fijo). (1)	A00G1151001	4	2 (L-94) 2 (H2-100)
Goma de acristalamiento exterior hoja	A0G3633RG+FL	8	4 (L/2-152) 4 (H1-68)
Burlete acristalamiento interior, hoja. (1)	A00G1151001	8	4 (L/2-152) 4 (H1-68)
Herrajes y bisagras (según catálogo proveedor)			
* * Calzo de cristal			
Vidrio montante		1	(L-69)x(H2-89)
Vidrio hoja		2	(L/2-122)x(H1-43)

* * Para junquillos Curvos utilizar calzo de 6 mm, y reducir las dos dimensiones de vidrio 6 mm.

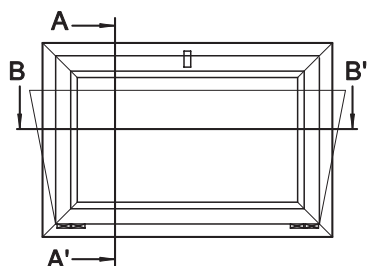
Utilizar clip junquillo A50 404 033 55

(1). Ver tabla de acristalamiento

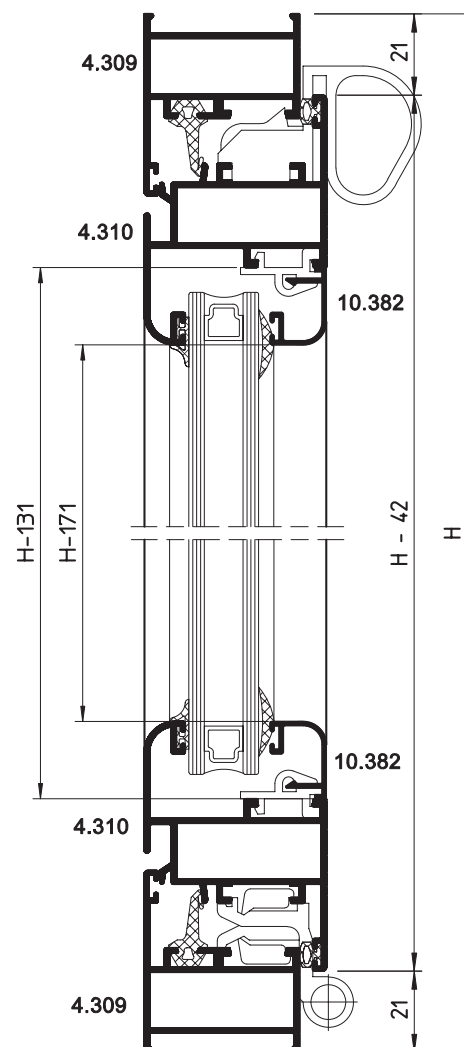
SECCIÓN HORIZONTAL C-C'



ALZADO



SECCIÓN VERTICAL A-A'



LISTA DE CORTE

PERFIL	DENOMINACION	UNIDADES	CORTE
4.309	Cerco (horizontal)	2	L
4.309	Cerco (vertical)	2	H
4.310	Hoja curva (vertical)	2	L-42
4.310	Hoja curva(horizontal)	2	H-42
10.382	Junquillo (horizontal)	2	L-131
10.381	Junquillo (vertical)	2	H-131

* Para junquillos, ver hoja de acristalamiento. Junquillos curvos corte a inglete.

LISTA DE ACCESORIOS

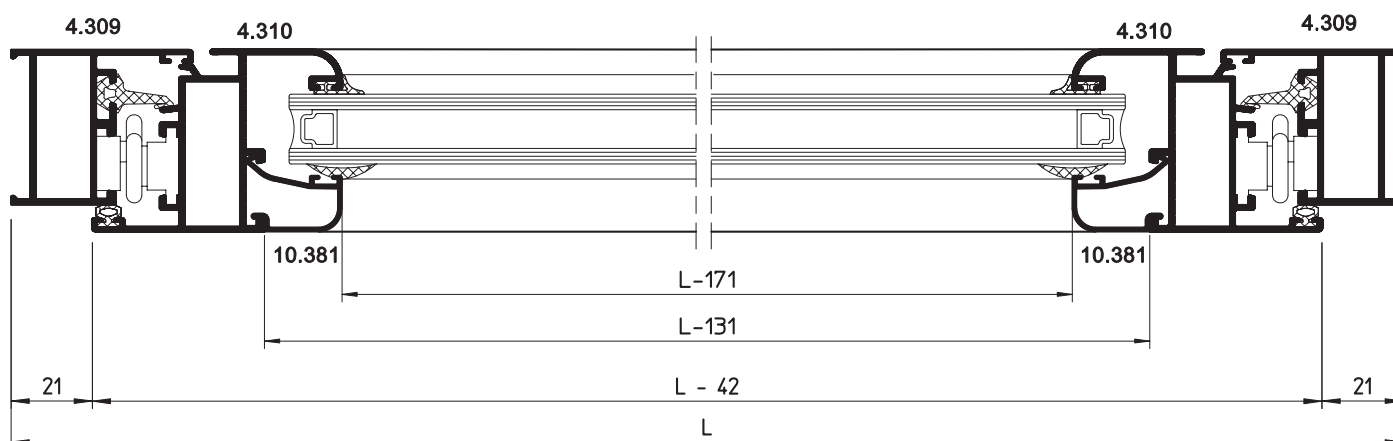
DENOMINACION	REFERENCIA	UNIDADES	DIMENSION
Escuadra de aluminio para marco	A5029500401	4	
Escuadra de aluminio para hoja	A5029500401	4	
Tapa cortavientos salida de agua	A0050926155	2	
Burlete perimetral de hoja	A0G3553RG+FL	4	2 (L-44) 2 (H-44)
Junta central marco	A0G1141080	4	2 (L-44) 2 (H-44)
Ángulo central para junta A0G1141080	A5029501405	4	
Burlete acristalamiento exterior	A0G3633RG+FL	4	2 (L-152.5) 2 (H-152.5)
Burlete acristalamiento interior (1)	A00G1151001	4	2 (L-152.5) 2 (H-152.5)
Herrajes y bisagras (según catálogo proveedor)			
* * Calzo de cristal			
Vidrio		1	(L-146)x(H-146)

* * Para junquillos Curvos utilizar calzo de 6 mm, y reducir las dos dimensiones de vidrio 6 mm.

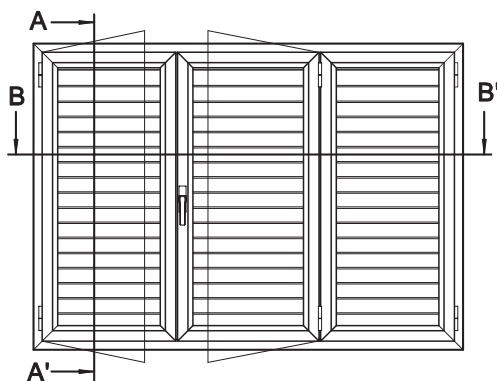
Utilizar clip junquillo A50 404 033 55

(1). Ver tabla de acristalamiento

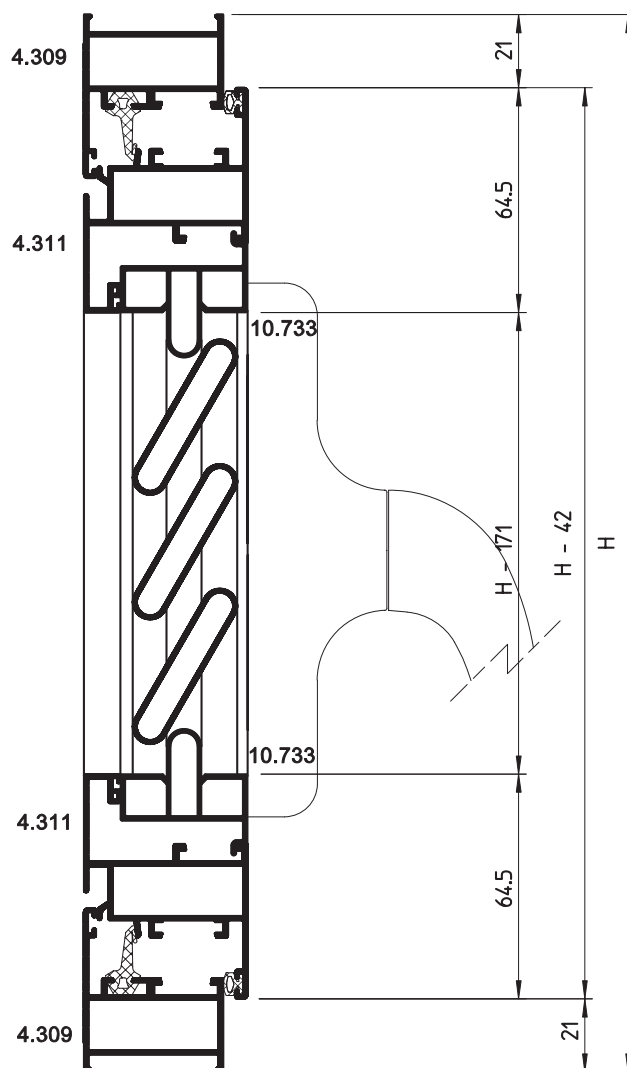
SECCIÓN HORIZONTAL B-B'



ALZADO



SECCIÓN VERTICAL A-A'



LISTA DE CORTE

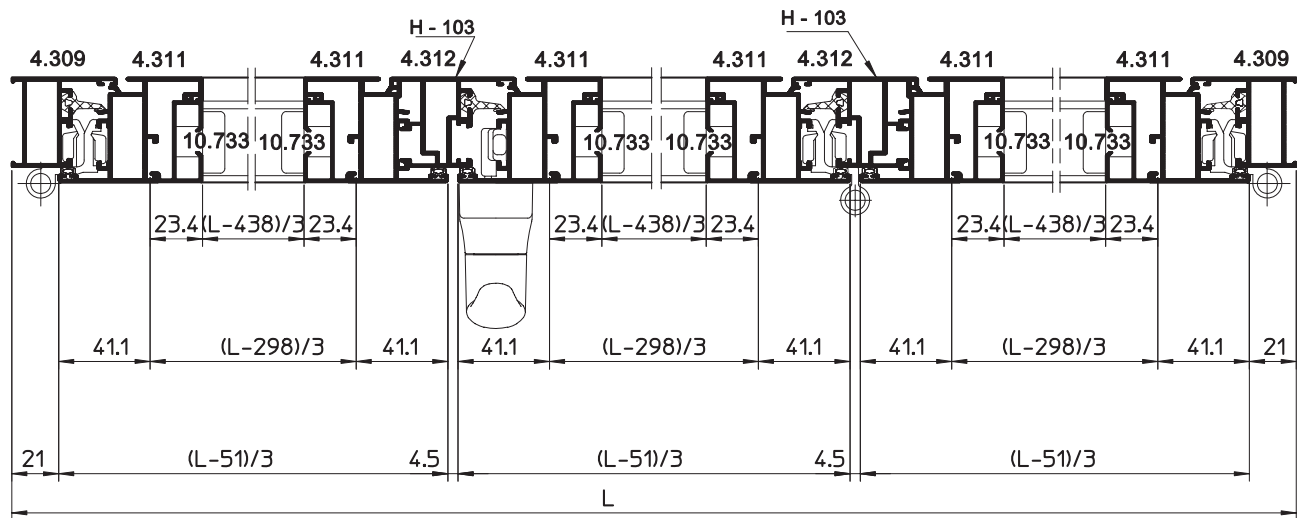
PERFIL	DENOMINACION	UNIDADES	CORTE
4.309	Cerco (horizontal)	2	L
4.309	Cerco (vertical)	2	H
4.311	Hoja (horizontal)	6	(L-51)/3
4.311	Hoja (vertical)	6	H-42
4.312	Inversor hoja	2	H-103
10.733	Suplemento para lama fija (horizontal)	6	(L-298)/3
10.733	Suplemento para lama fija (vertical)	6	H-171

* Para cálculo de lamas, ver mecanizados.

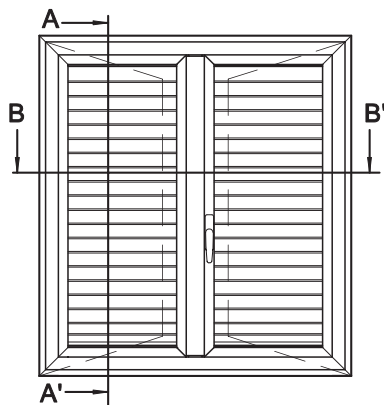
LISTA DE ACCESORIOS

DENOMINACION	REFERENCIA	UNIDADES	DIMENSION
Escuadra de aluminio en cerco	A5029500401	4	
Escuadra de aluminio en hoja	A5029500401	12	
Tapa cortavientos salida de agua	A0050926155	6	
Tapas flexibles para perfil central Ref: 4.312	A5029500155	2	
Junta central cerco	A0G1141080	4	2 (L-44) 2 (H-44)
Junta central inversor	A0G1141080	2	H-103
Angulo vulcanizado para A0G1141080	A5029501405	4	
Burlete perimetral de hoja	A0G3553RG+FL	12	6 (L-51) 6 (H-42)
Herrajes y bisagras (según catálogo proveedor)			

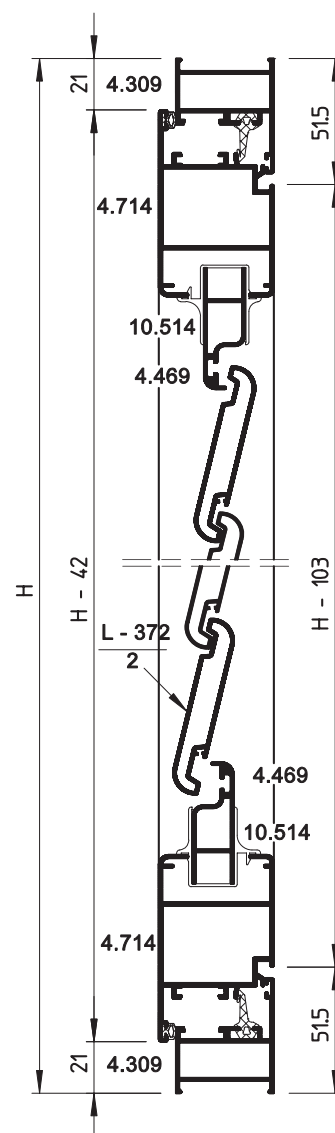
SECCIÓN HORIZONTAL B-B'



ALZADO



SECCIÓN VERTICAL A-A'

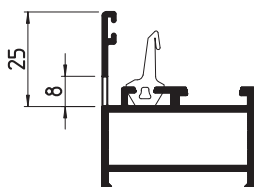


LISTA DE CORTE

PERFIL	DENOMINACION	UNIDADES	CORTE
4.309	Cerco (horizontal)	2	L
4.309	Cerco (vertical)	2	H
4.714	Hoja (horizontal)	2	$(L-46.5)/2$
4.714	Hoja (vertical)	2	H-42
4.312	Inversor hoja	1	H-103
4.469	Media lama	4	$(L-372)/2$
10.514	Reductor para compensación	4	$(L-372)/2$

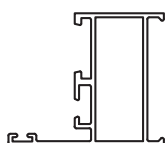
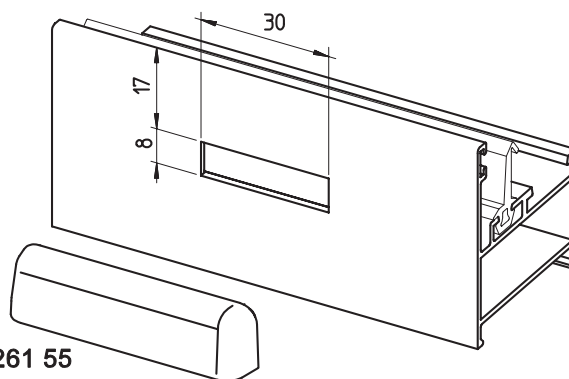
* Para cálculo de lamas, ver mecanizados.

SALIDA DE AGUAS

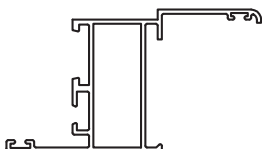


MECANIZADO CON O SIN GOMA CENTRAL

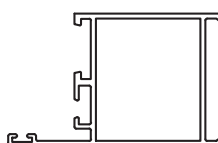
A00 509 261 55



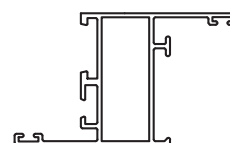
4.309



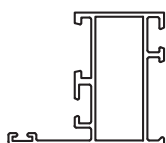
4.313



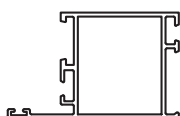
4.315



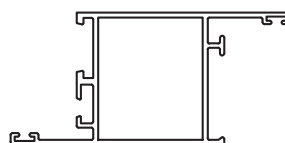
4.453



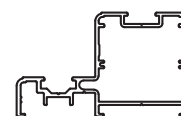
4.517



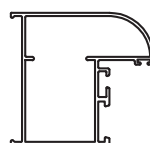
4.518



4.682

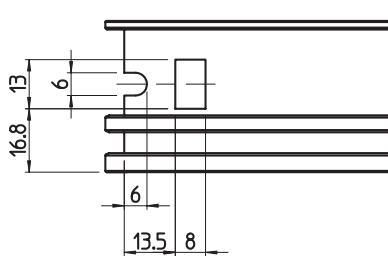


6.252

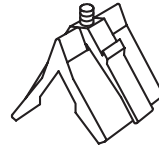
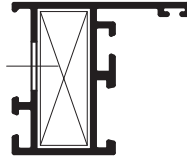


6.263

ESCUADRA DE ALUMINIO PARA MARCOS DE VENTANA Y PUERTA

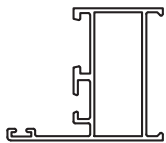
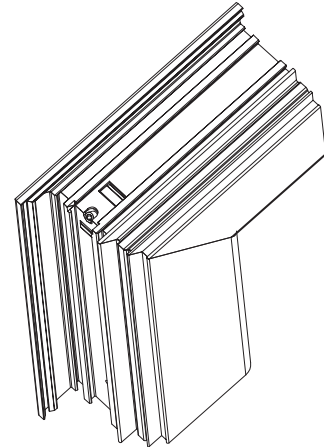
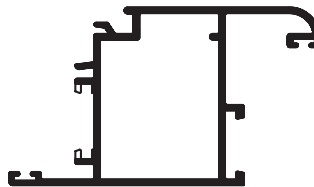
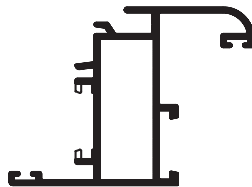
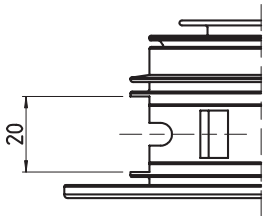


4.517

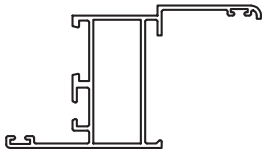


A8 3714 105

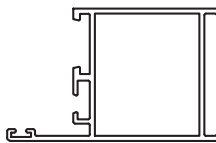
MECANIZADO PARA LA FALLEBA



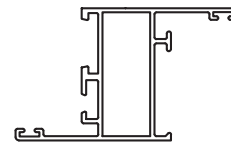
4.309



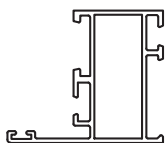
4.313



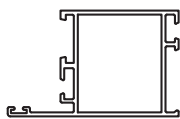
4.315



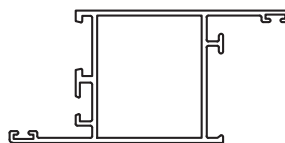
4.453



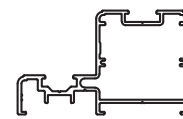
4.517



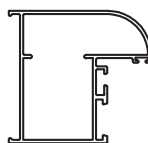
4.518



4.682

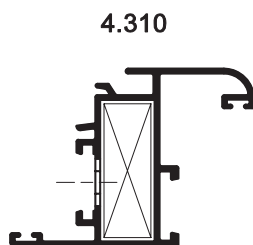
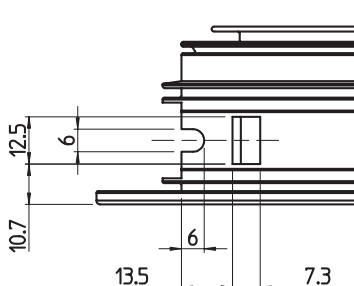


6.252

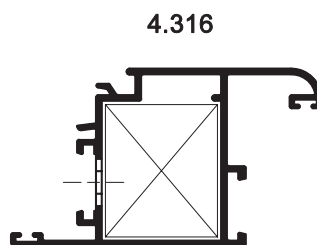


6.263

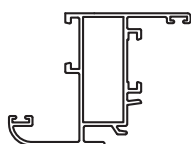
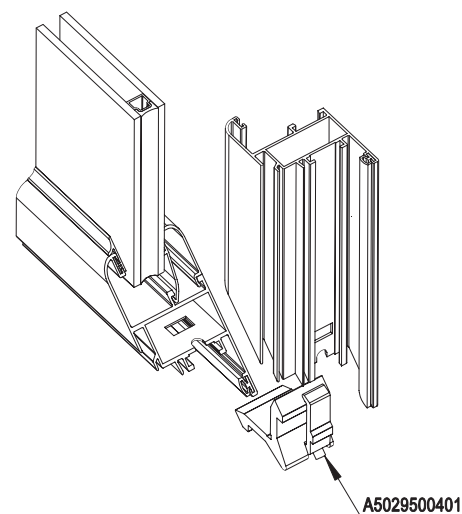
ESCUADRA DE ALUMINIO PARA HOJA DE VENTANA Y PUERTA



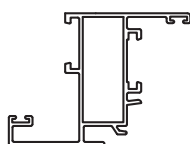
4.310



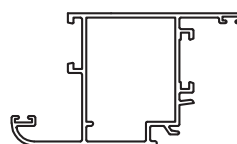
4.316



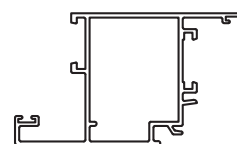
4.310



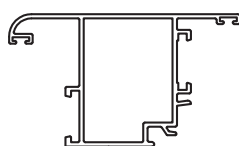
4.311



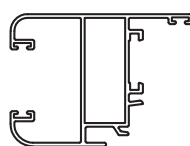
4.316



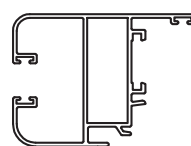
4.317



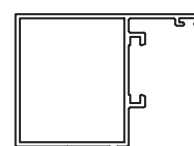
4.321



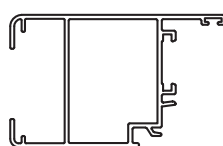
4.507



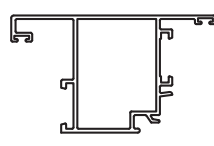
4.508



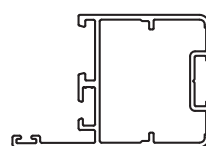
4.558



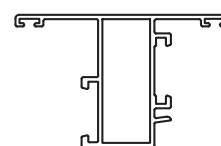
4.714



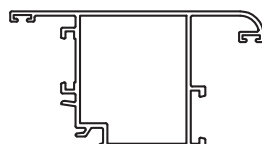
4.837



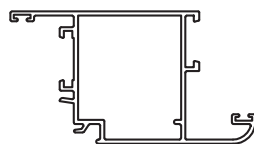
6.606



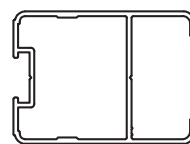
6.025



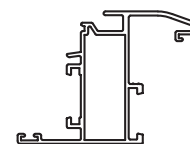
6.231



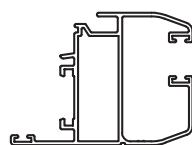
6.232



6.253



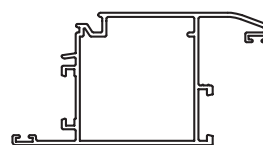
6.742



6.743

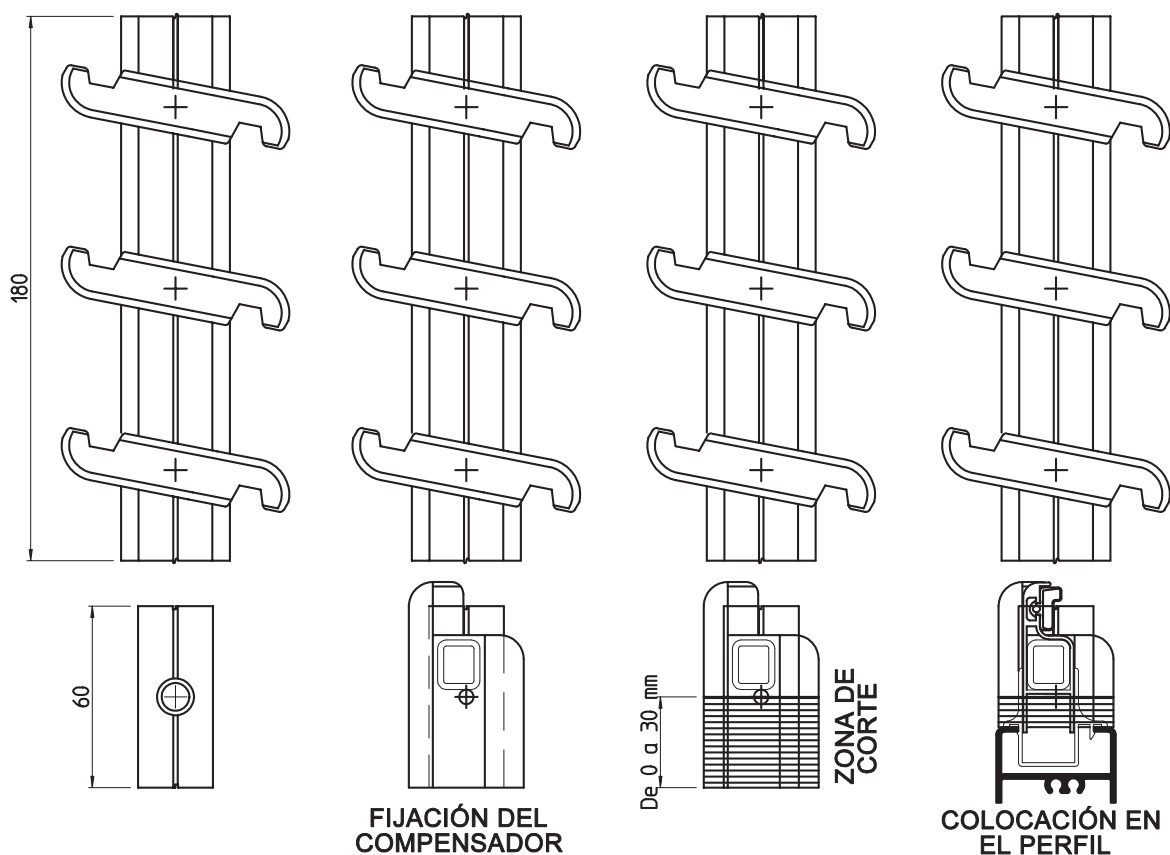


6.744

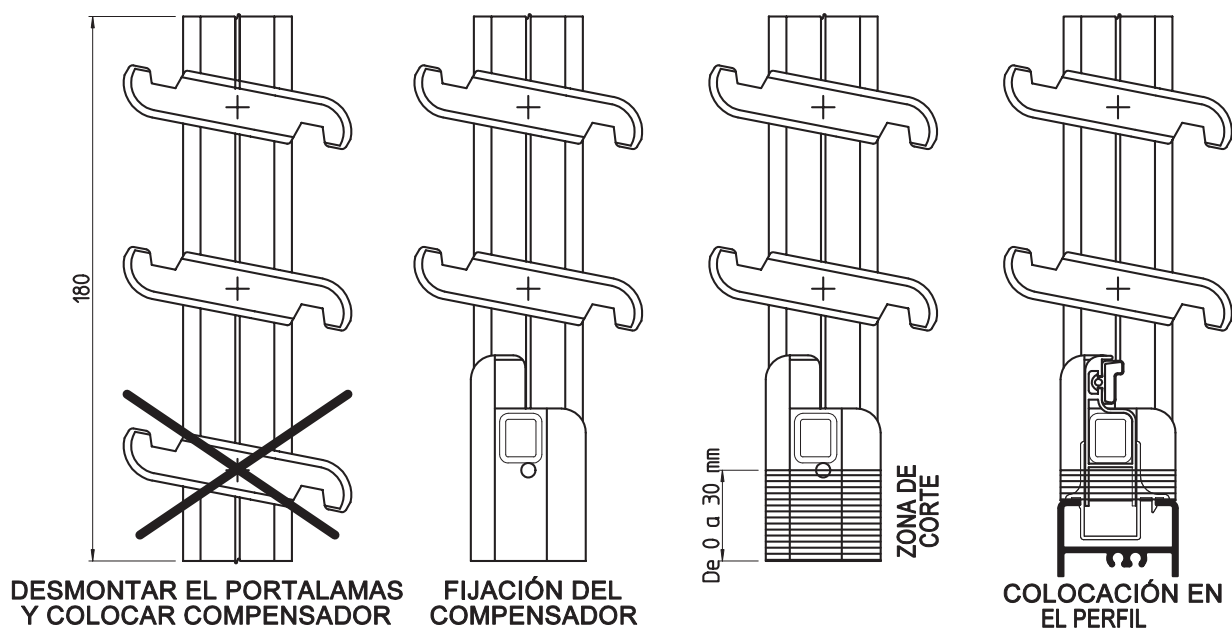


6.746

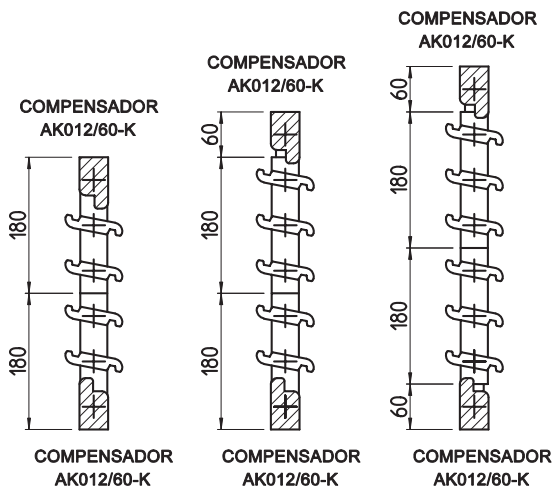
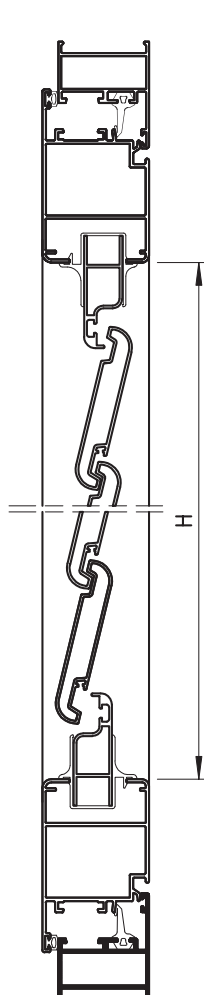
COMPENSACIÓN CON MODULO DE 60 mm. Ref. AK012/60-K



COMPENSACIÓN DIRECTA SOBRE PAREJA DE MOVIMIENTO ORIENTABLE Ref. K001/60-A

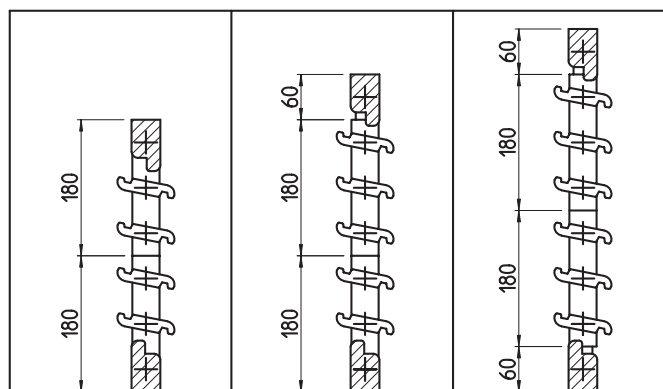


CÁLCULO DEL N° DE PAREJAS DE MOVIMIENTO ORIENTABLE EN FUNCIÓN DE LA ALTURA DE LA VENTANA

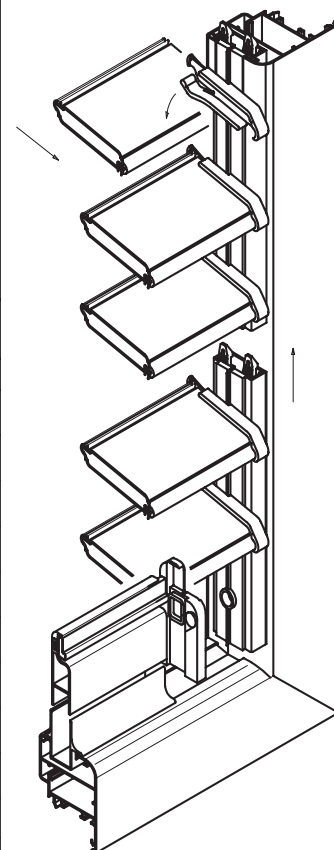


- NOTA -
Para manilla AK016/K60-B colocar el número de parejas que indica el cuadro
Para manillas AK026/K60 y AK027/K60 descontar una pareja de las que indica el cuadro

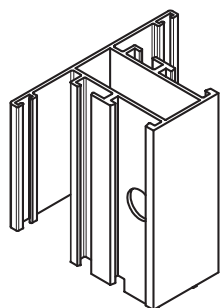
N° DE PAREJAS DE MOVIMIENTO ORIENTABLE K001/60-A	H (mm) COMPENSACIÓN	
	DESDE	HASTA
2	300	480
3	480	660
4	660	840
5	840	1020
6	1020	1200
7	1200	1380
8	1380	1560
9	1560	1740
10	1740	1920
11	1920	2100
12	2100	2280



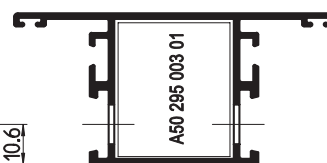
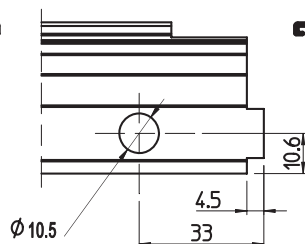
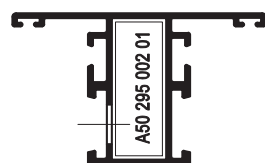
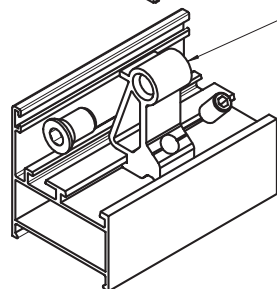
N° DE PAREJAS DE MOVIMIENTO ORIENTABLE K001/60-A	H (mm) COMPENSACIÓN		H (mm) COMPENSACIÓN		H (mm) COMPENSACIÓN	
	DESDE	HASTA	DESDE	HASTA	DESDE	HASTA
2	300	360	360	420	420	480
3	480	540	540	600	600	660
4	660	720	720	780	780	840
5	840	900	900	960	960	1020
6	1020	1080	1080	1140	1140	1200
7	1200	1260	1260	1320	1320	1380
8	1380	1440	1440	1500	1500	1560
9	1560	1620	1620	1680	1680	1740
10	1740	1800	1800	1860	1860	1920
11	1920	1980	1980	2040	2040	2100
12	2100	2160	2160	2220	2220	2280



FRESADO PARA TOPE DE TRAVESAÑO

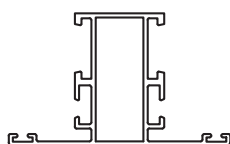


A50 295 002 01
A50 295 003 01

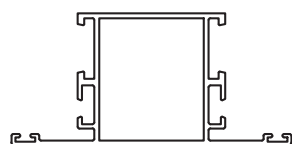


- NOTAS -

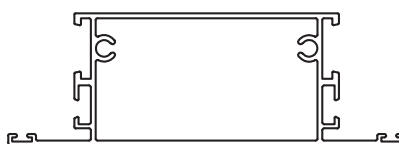
- El agujero para el tope de travesaño lo realiza el troquel A0A-4040/IN
- El mecanizado del extremo de travesaño lo realiza el juego de fresas A010020721



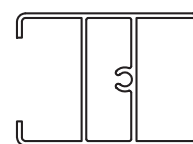
4.314



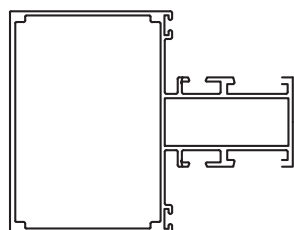
4.318



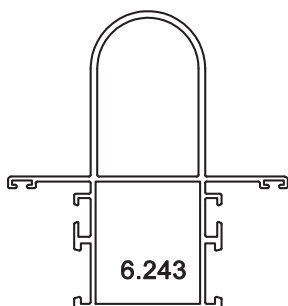
4.319



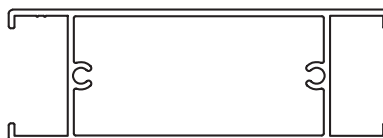
4.470



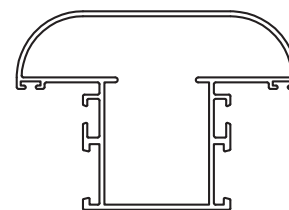
4.648



6.243

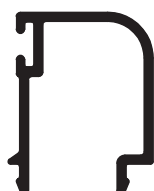


6.254

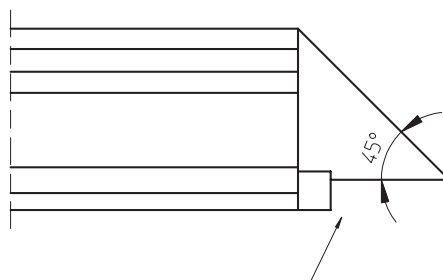


6.264

MECANIZADO DE JUNQUILLO CURVO PERIMETRAL MEDIANTE RETESTADO

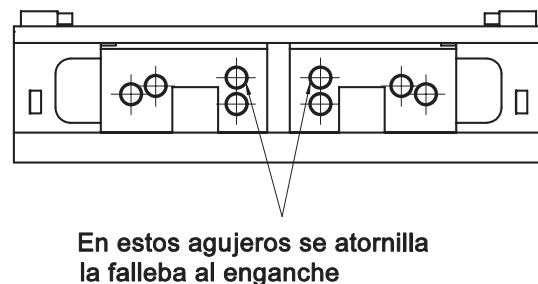
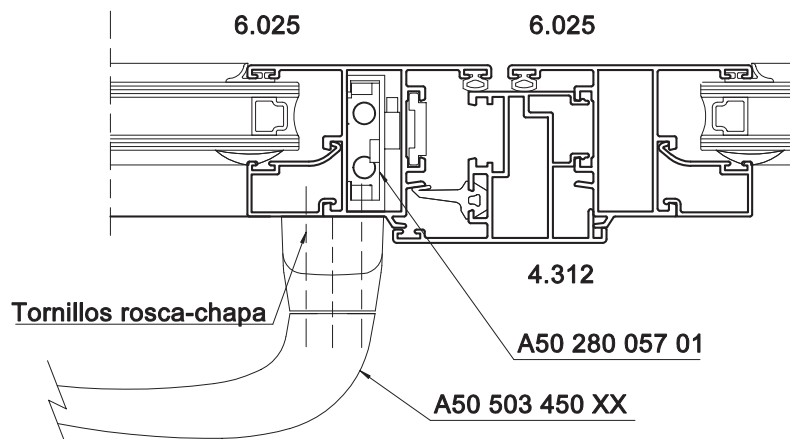
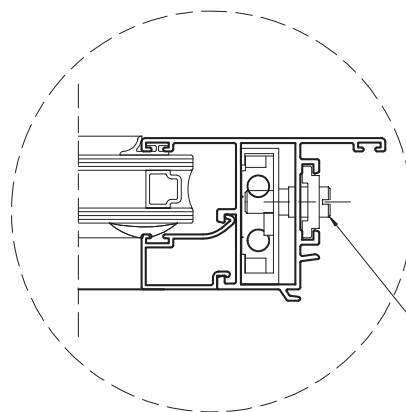
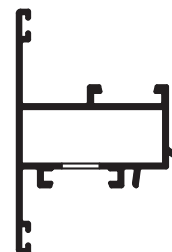
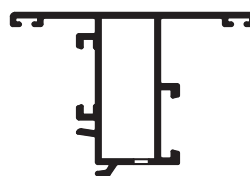
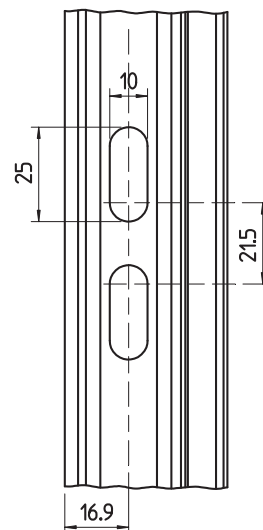
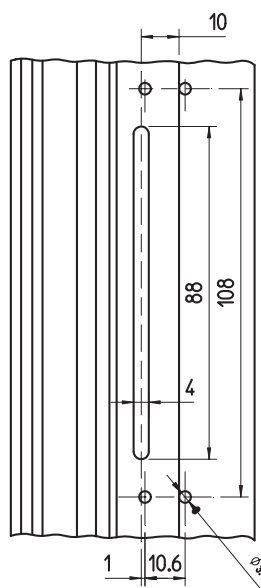
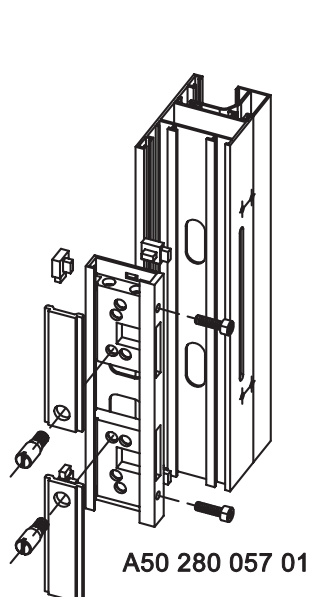


011324

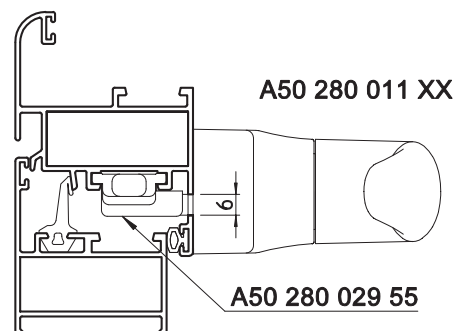
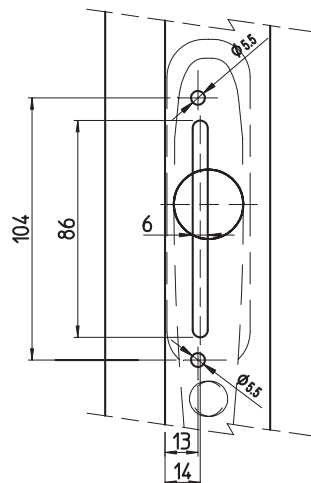
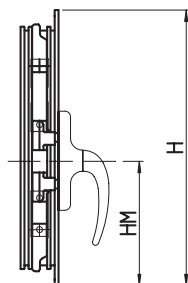


Mecanizado a realizar
en ambos extremos del perfil
Maquina: Retestadora, ref.: A0100FR100

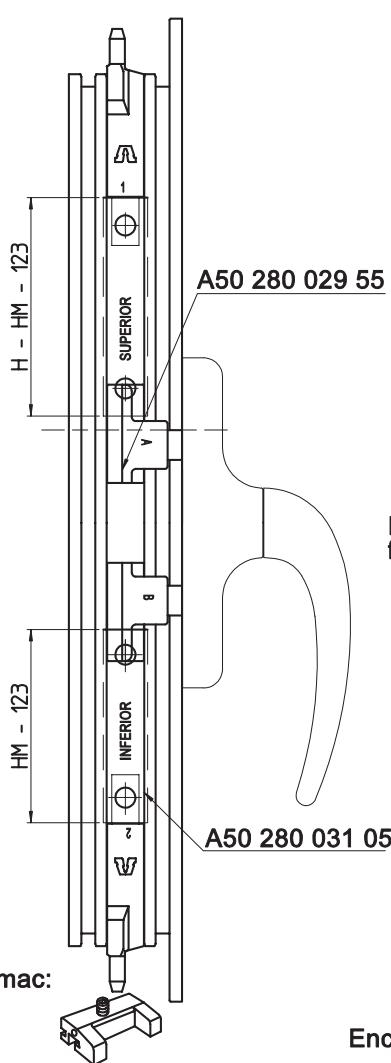
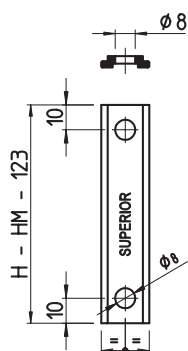
CREMONA Y ENGANCHE DE CREMONA A FALLEBA APERTURA EXTERIOR



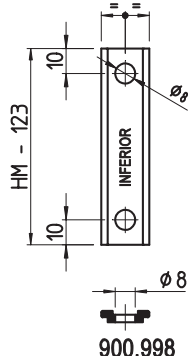
CREMONA Y ENGANCHE DE CREMONA A FALLEBA CREMONA APERTURA INTERIOR



FALLEBA

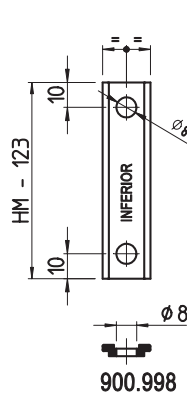


Mecanizado para terminal de
falleba: A50 280 031 05

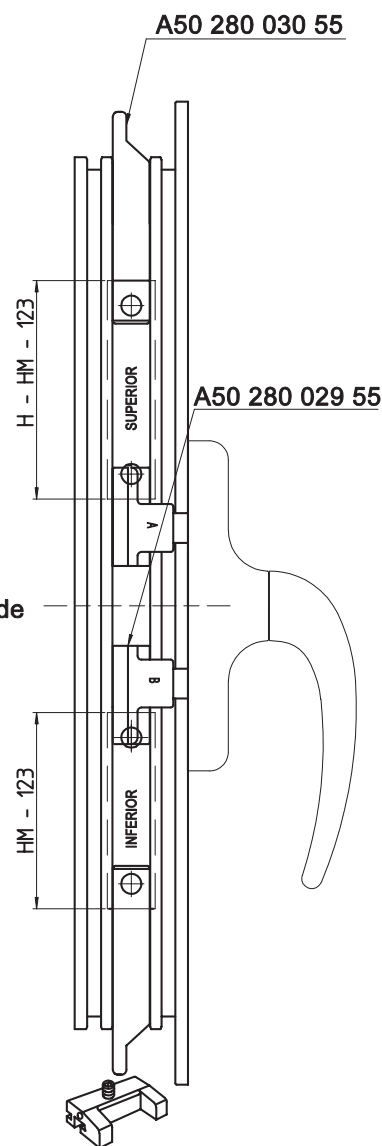


Encuentro terminal en zamac:
A50 280 027 05
A50 280 028 05

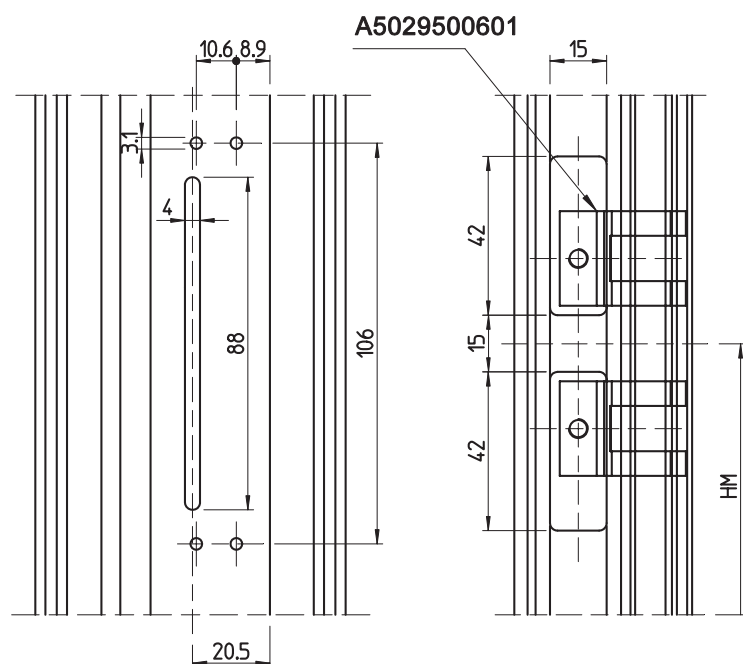
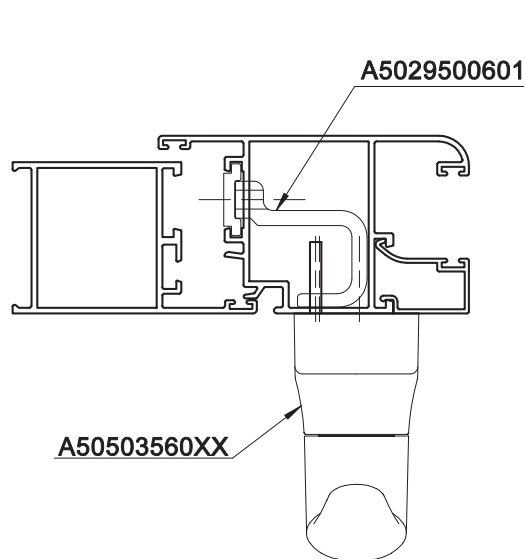
Mecanizado para terminal de
falleba: A50 280 030 05



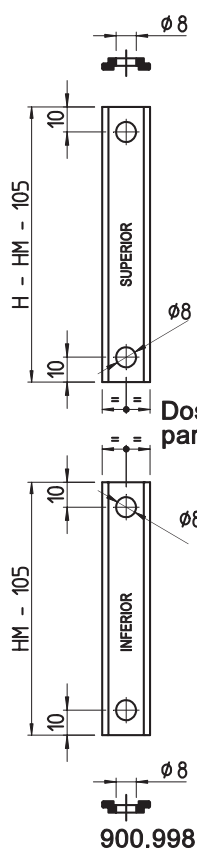
Encuentro terminal en nylon:
A50 280 044 05



CREMONA Y ENGANCHE DE CREMONA A FALLEBA PARA PUERTA APERTURA EXTERIOR

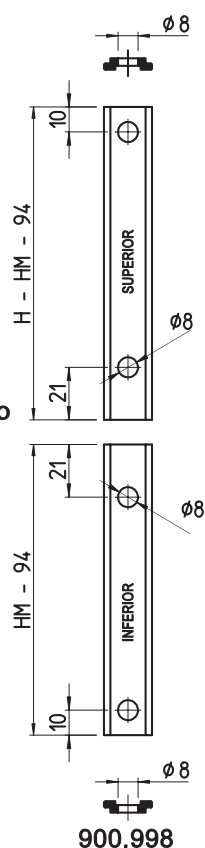


FALLEBA PARA PUERTA APERTURA EXTERIOR

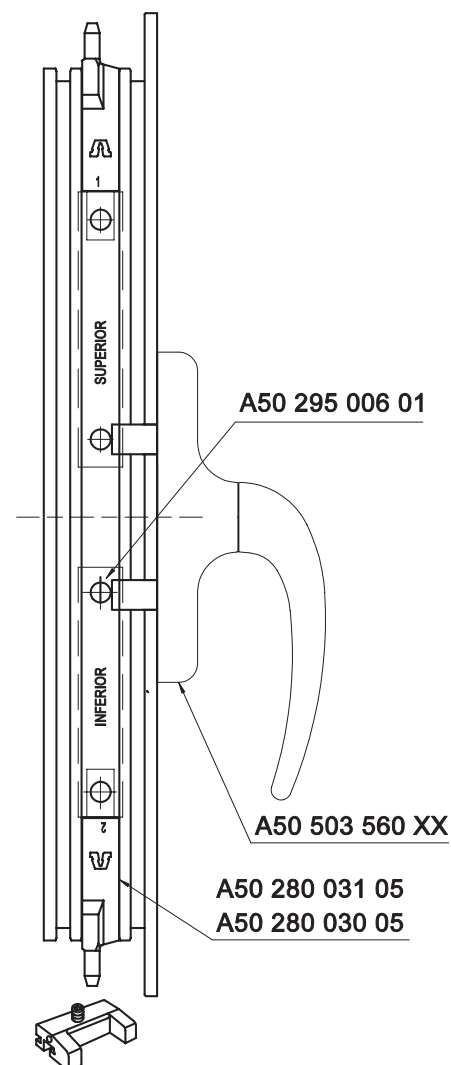


Dos soluciones de mecanizado para terminales de falleba:

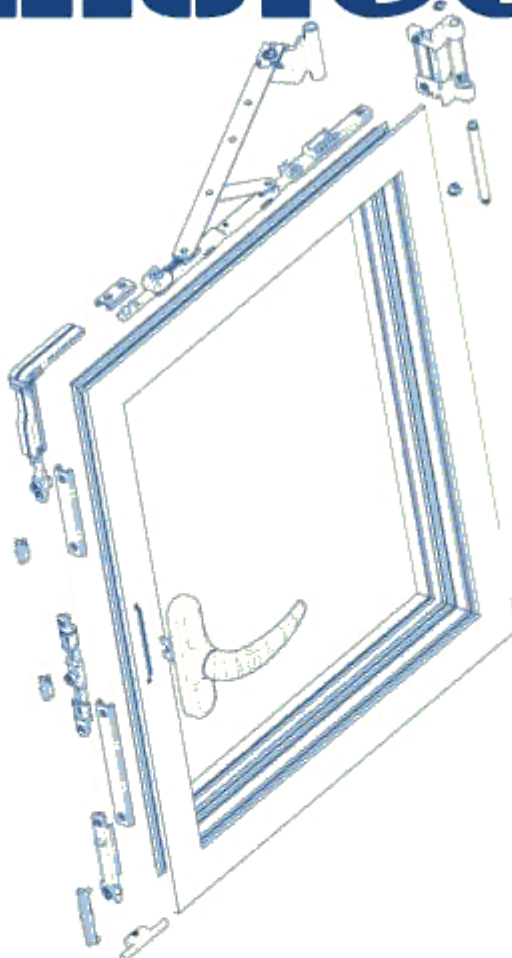
A50 280 031 05
A50 280 030 05



Encuentro terminal:
A50 280 027 05
A50 280 028 05
A50 280 044 05



alutec



SECUENCIAS DE MONTAJE



Accesorios base



Accesorios suplementarios

da 600 a 1200 ALTURA ALTURA

da 390 a 700 LARGHEZZA ANCHURA
1 2 3 4 5

da 701 a 1200
1 2 3 4 5 6 7 8

da 1201 a 1700
1 2 3 4 5 6 7 8 9

da 1201 a 2400 ALTURA ALTURA

da 390 a 700 LARGHEZZA ANCHURA
1 2 3 4 5 6

da 701 a 1200
1 2 3 4 5 6 7 8

da 1201 a 1700
1 2 3 4 5 6 7 8 9

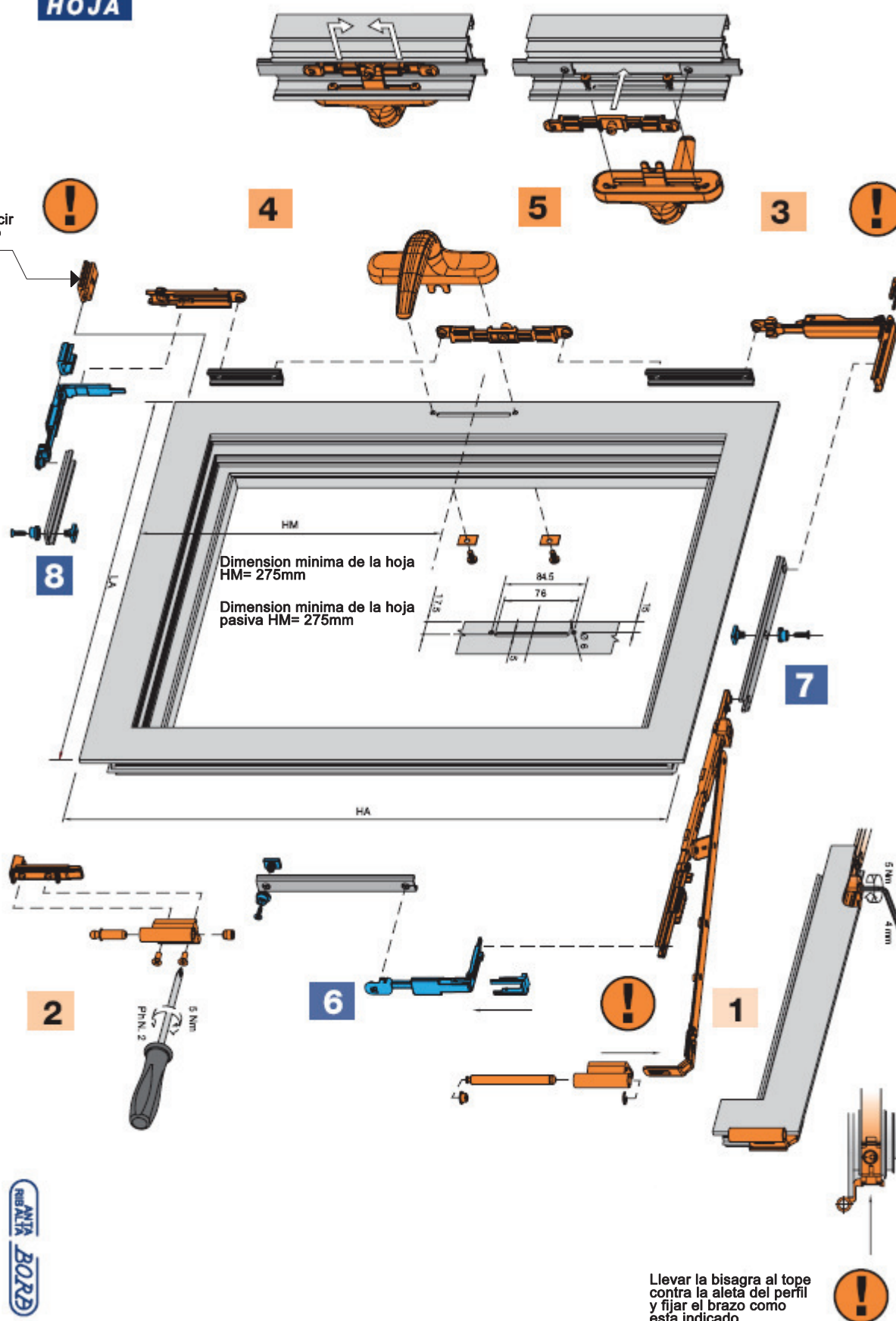


¡ATENCIÓN! Puntos salientes de montaje

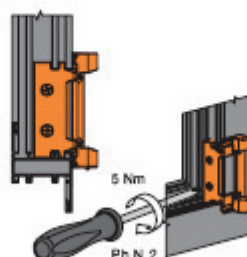
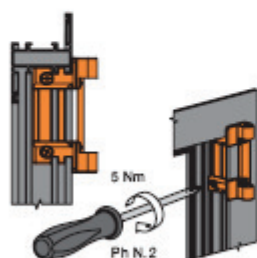
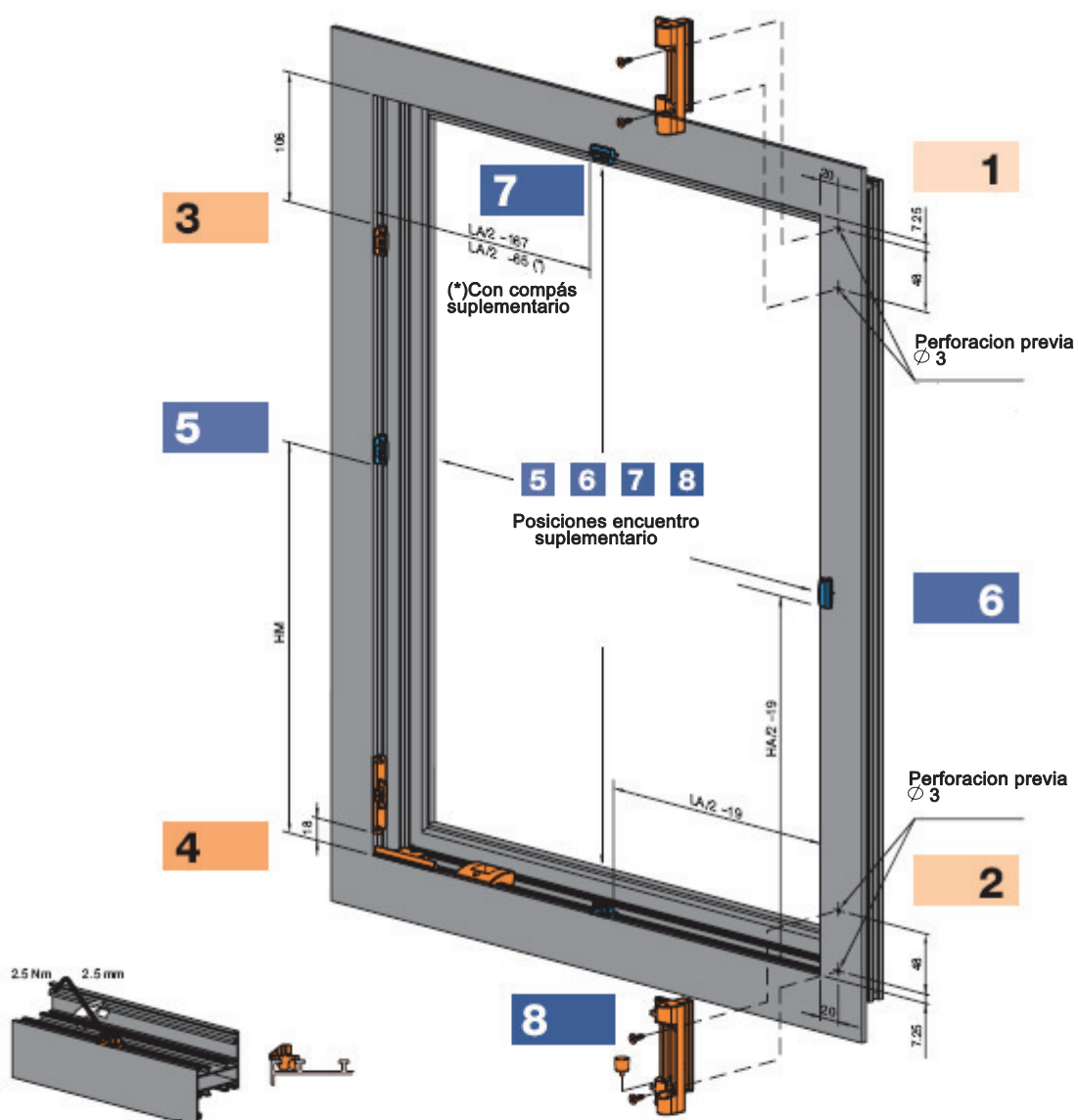
sapa:

HOJA

Introducir primero



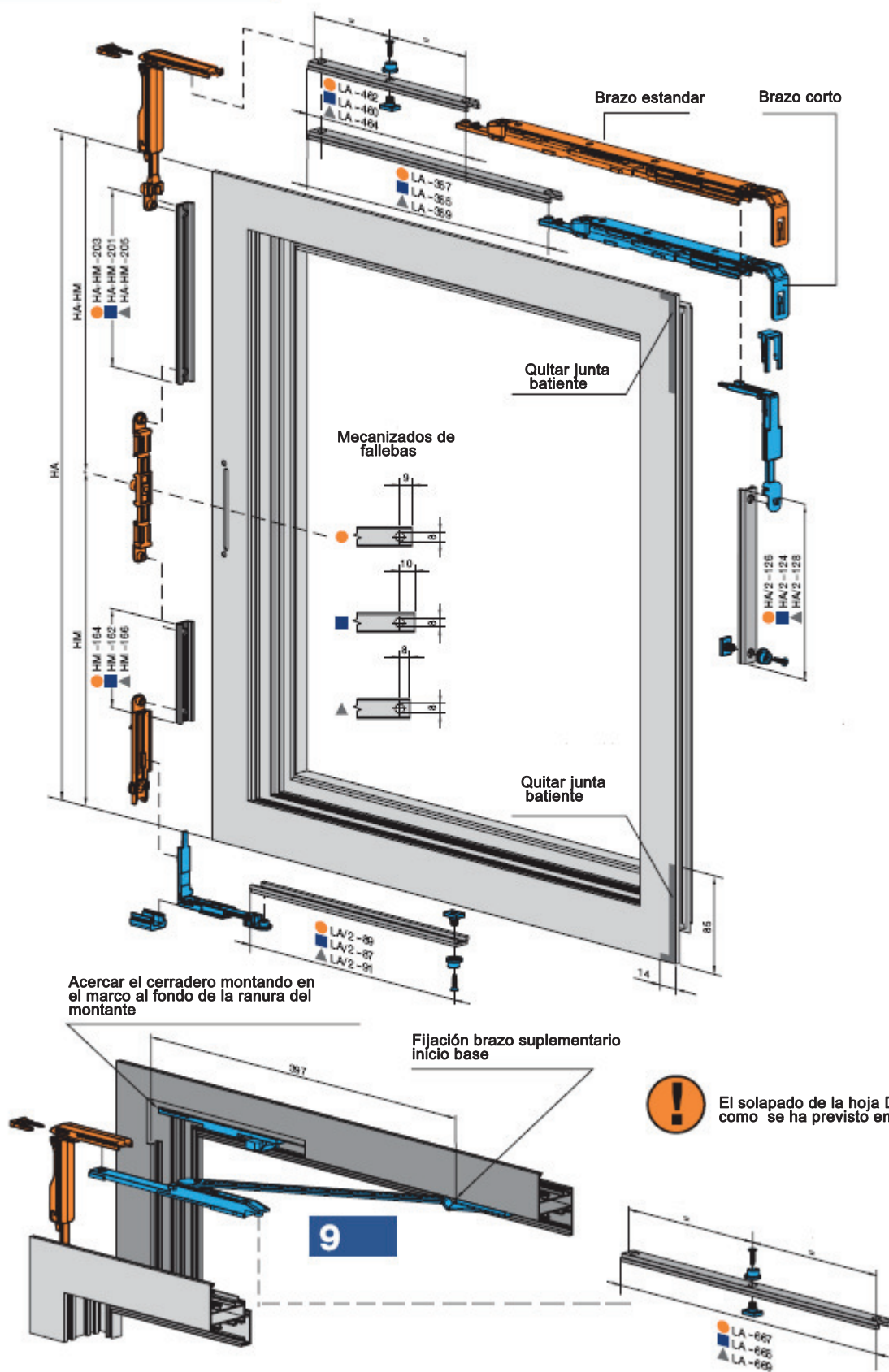
MARCO

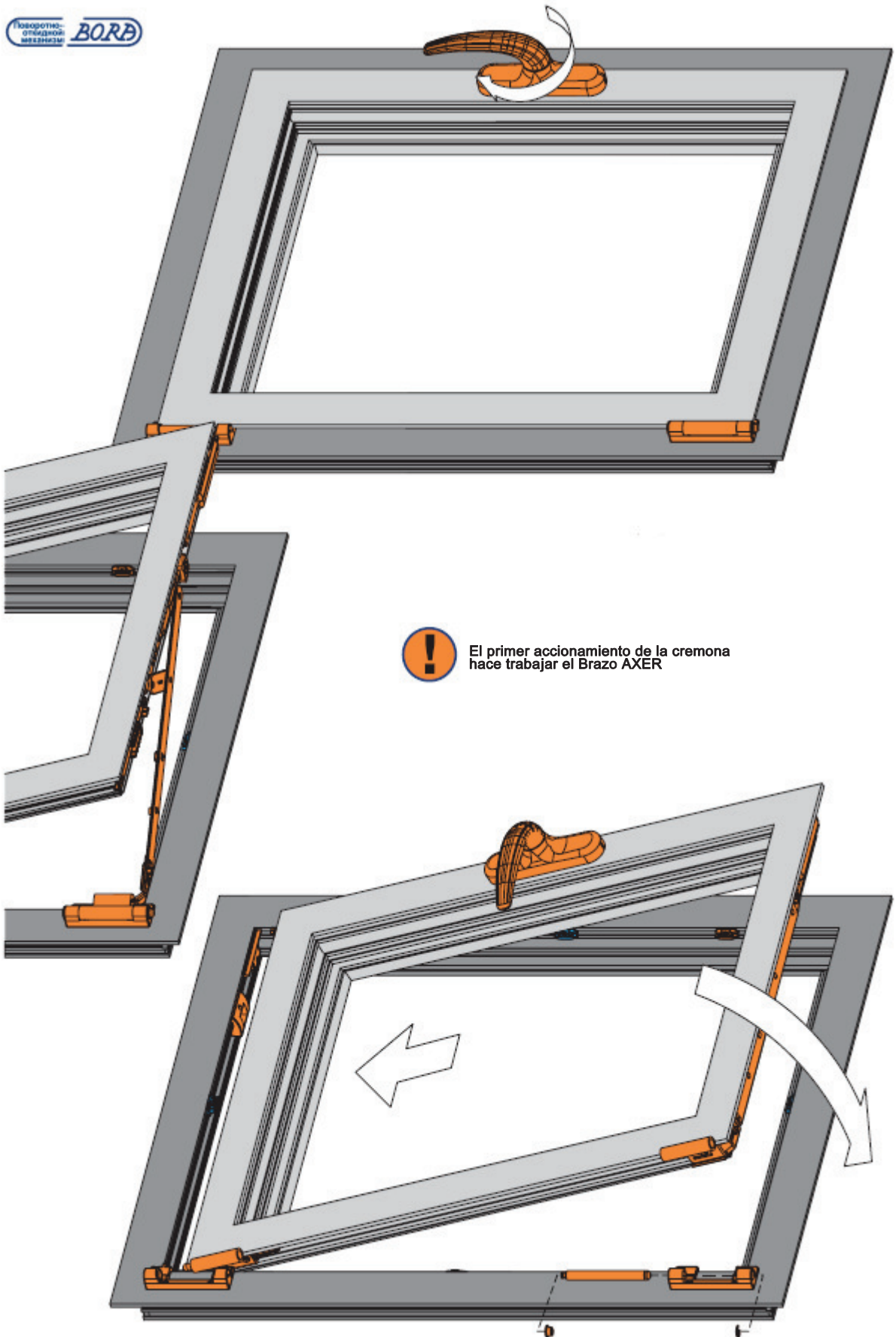


**MONTAJE DE LAS BISAGRAS
SUPERIOR E INFERIOR**
Llevar la bisagra autoposicionante
al tope contra los travesaños

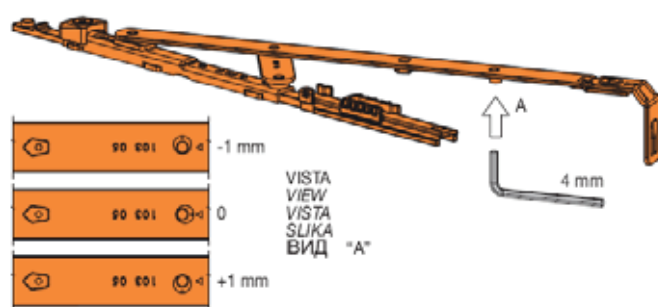


Mecanizado FALLEBAS

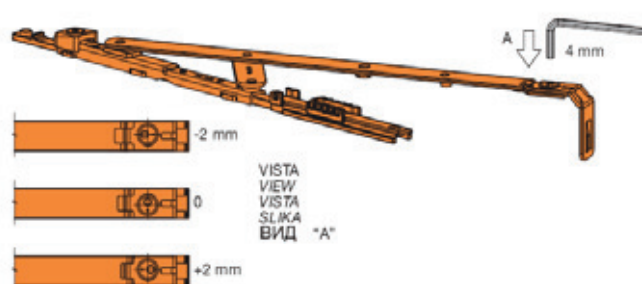




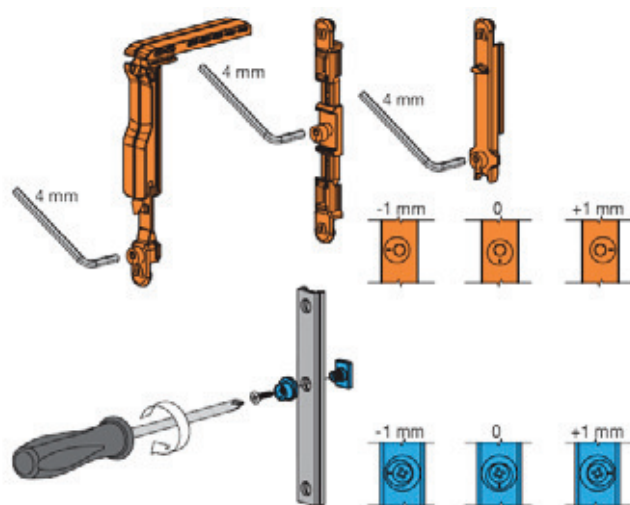
El primer accionamiento de la cremona hace trabajar el Brazo AXER



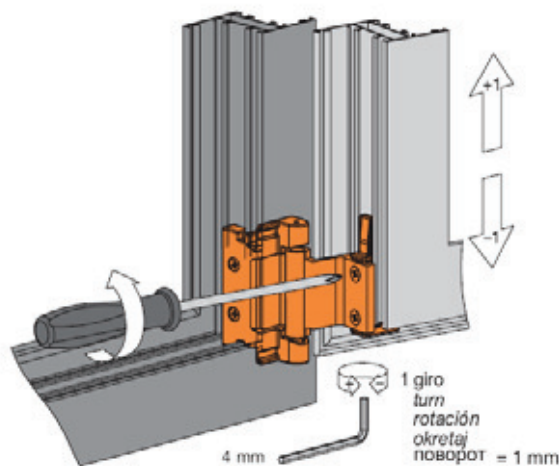
REGULACION PRESION DE CIERRE EN LAS JUNTAS



REGULACION LUZ LADO BISAGRA SUPERIOR (CAIDA DE HOJA)



REGULACION LUZ LADO BISAGRA INFERIOR



REGULACION VERTICAL DE LA HOJA

Aflojar los tornillos antes que hacer la regulacion vertical de la hoja.

CAMPO DE APLICACIÓN

Fijación con contrachapa (o pletina)
y tornillos de refuerzo

● Ejecutable con espesor máx. del cristal 38 mm.

20 Ejecutable con espesor máx. del cristal como
indicado (ej. 20 mm)

✗ No realizable



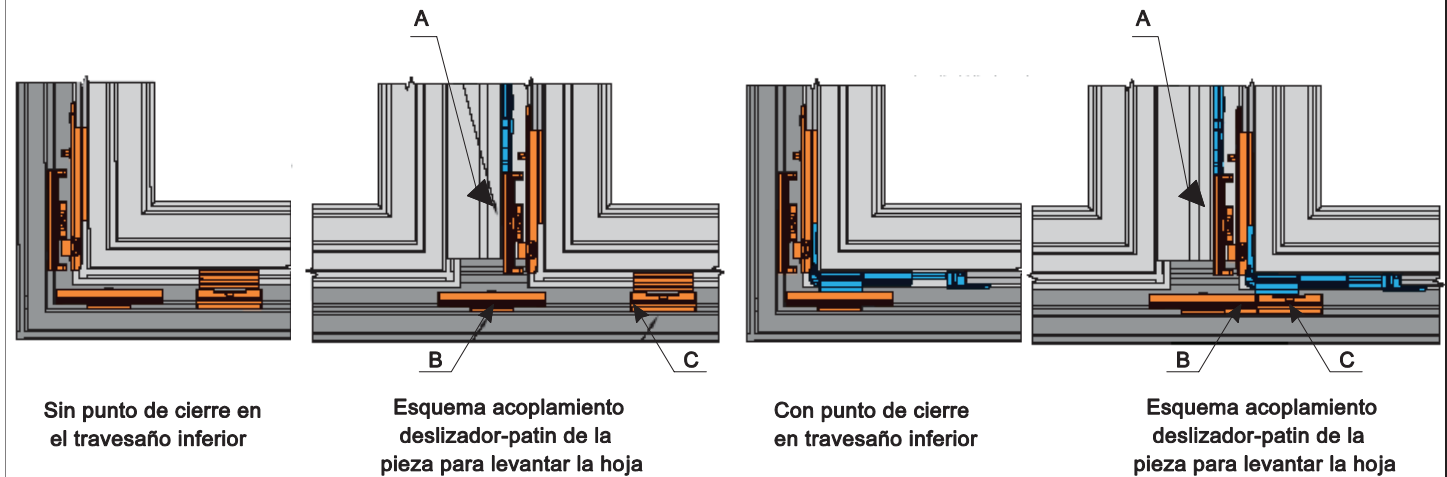
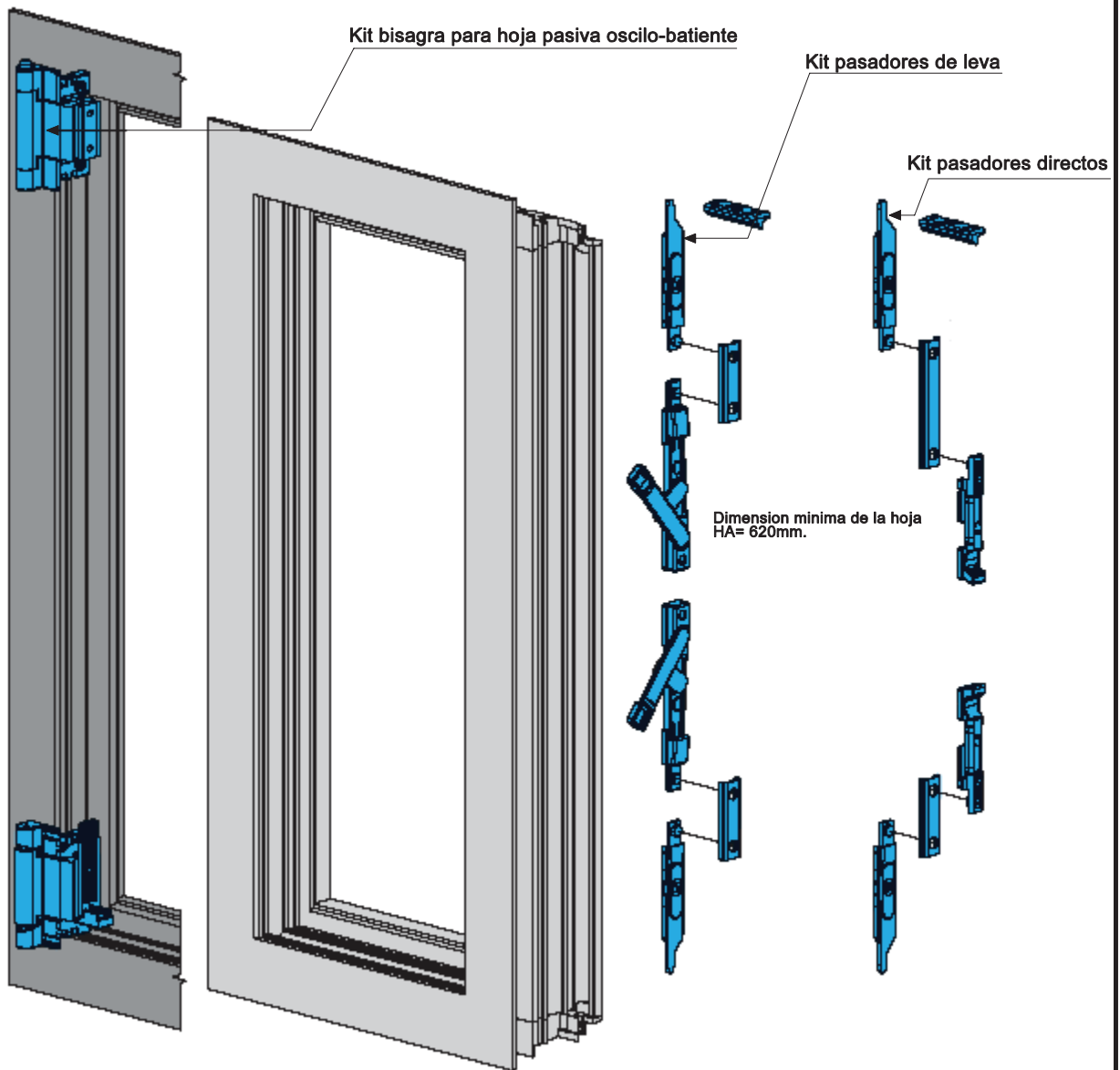
H= Altura hoja móvil
L= Anchura hoja móvil

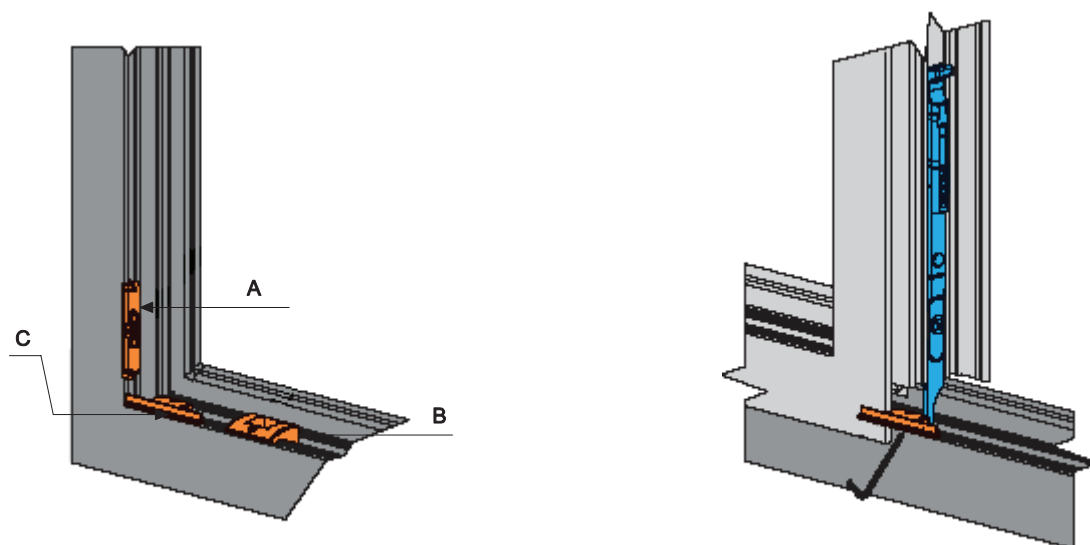
N.B. El espesor del cristal se refiere al espesor del material
sin cámara

Los esquemas indicados recomiendan el uso de los puntos
de cierre suplementarios (diente de cierre y encuentro)
sobre los travesaños y montantes con L o H mayor que
1400 mm. De todos modos, la aplicación depende de las
exigencias de retén de la ventana.

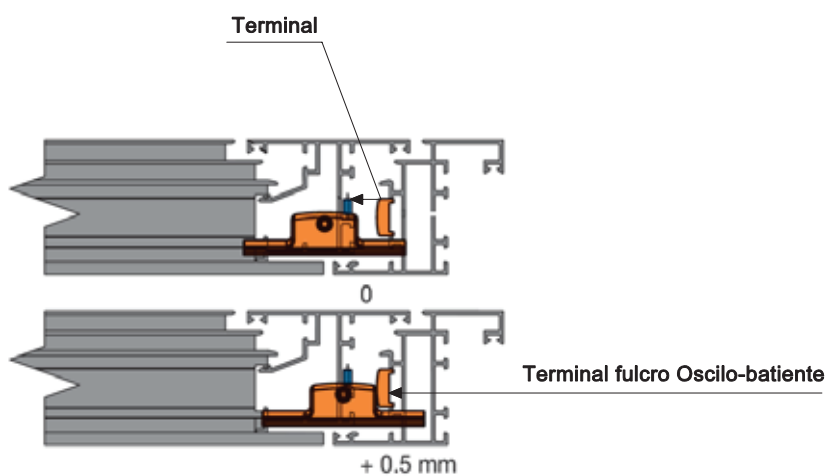
H	MAX	2400	●	●	●	35	29	24	21	19	17	15	14	13	12	11	10	
	2300	●	●	●	37	30	26	22	20	18	16	14	13	12	11	10		
	2200	●	●	●	●	32	27	24	21	19	17	15	14	13	12	11		
	2100	●	●	●	●	34	29	25	22	20	18	16	15	14	12	12		
	2000	●	●	●	●	36	30	26	23	21	19	17	16	14	13	12		
	1900	●	●	●	●	●	32	28	25	22	20	18	17	15	14	13		
	1800	●	●	●	●	●	35	30	26	24	21	19	18	16	15	14		
	1700	●	●	●	●	●	37	32	28	25	23	21	19	18	16	14		
	1600	●	●	●	●	●	●	34	30	27	24	22	20	18	16	14		
	1500	●	●	●	●	●	●	37	33	29	26	24	22	18	16	13		
	1400	●	●	●	●	●	●	●	36	32	29	26	22	18	15	12		
	1300	●	●	●	●	●	●	●	●	35	31	26	21	17	13	10		
	1200	●	●	●	●	●	●	●	●	●	31	26	20	15	11	8		
	1100	●	●	●	●	●	●	●	●	●	31	26	17	14	10	6		
	1000	●	●	●	●	●	●	●	●	●	28	20	14	10	6	✕		
	900	●	●	●	●	●	●	●	●	33	23	16	10	6	✕	✕		
	800	●	●	●	●	●	●	●	●	27	17	10	5	✕	✕	✕		
	700	●	●	●	●	●	●	●	32	19	10	✕	✕	✕	✕	✕		
	MIN	600	●	●	●	●	●	●	30	14	5	✕	✕	✕	✕	✕	✕	
		390	509	510	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700		
		MIN	L															MAX

HOJA PASIVA





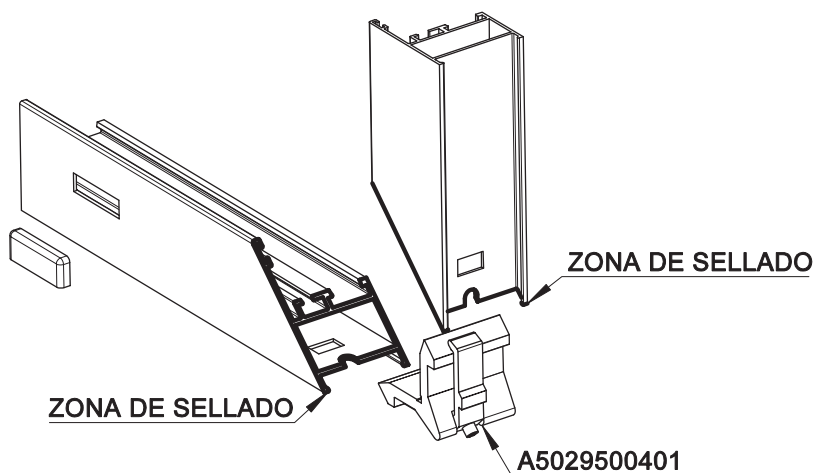
Aflojar el tornillo con llave hexagonal de 2.5 y desplazar el cerradero para regular la presión en las juntas.



MONTAJE FIJO ACRISTALADO

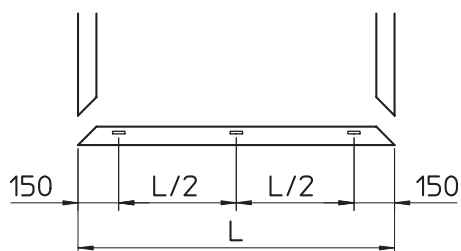
- Cortar los marcos según la lista de corte
- Mecanizar los diferentes tipos perfiles para escuadras según apartado F
- Mecanizar desagüe 30 x 8 (Detalle B)
- Colocación de las diferentes escuadras según tipo de cerco. (Detalle A)
- Sellar los ingletes del marco con silicona neutra, (ó producto de sellado) apretar y ajustar. (Detalle A).
- Limpiar restos del producto de sellado
- Colocar junta acristalado exterior A0G3633RG+FL sellando los ingletes con producto de sellado.(Detalle C).
- Acristalar.
- Colocación junquillos según tabla de acristalamiento según apartado C.

DETALLE A

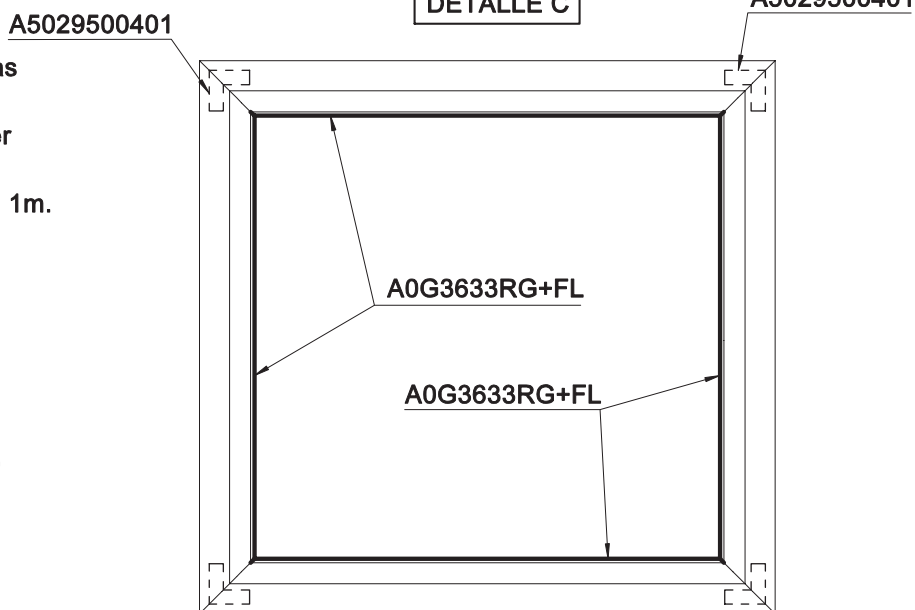


DETALLE B

Una vez hecho el mecanizado poner 2 tapas para salida del agua (Ref. A0050926155) a 150 mm en cada extremo. Hay que prever un desagüe suplementario para el centro, cuando la longitud del marco sea mayor de 1m.



DETALLE C



MONTAJE ABISAGRADA 2 HOJAS CON MONTANTE FIJO

- 1.- Cortar los marcos, hojas, travesaño e inversor según la lista de corte.
- 2.- Mecanizar los diferentes tipos de perfiles para escuadras en marco y hoja.
- 3.- Mecanizar el travesaño.
- 4.- Mecanizar desagüe 30 x 8 en cerco y travesaño (Detalle A y B)
- 5.- Colocación de las diferentes escuadras según tipo de cerco, hoja y pieza de fijación en el travesaño (Detalle C1,C2,C3,C4)

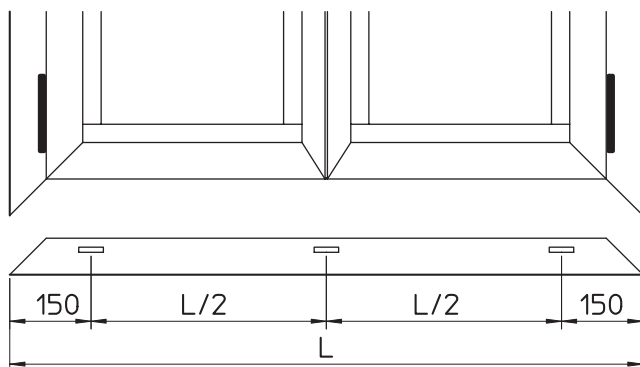
DETALLE A

Una vez hecho el mecanizado poner 2 tapas para salida del agua (Ref. A0050926155) a 150 mm en cada extremo. Hay que prever un desagüe suplementario para el centro, cuando la longitud de hoja sea mayor de 1m.

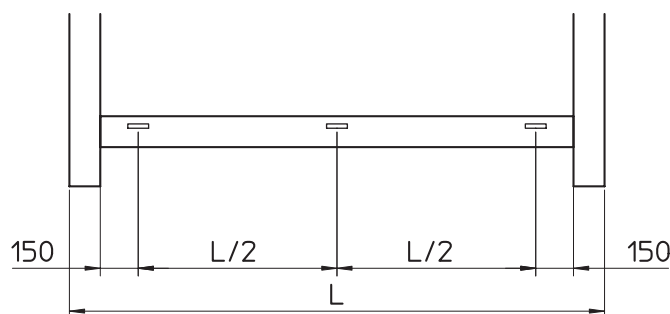
DETALLE B

Poner 2 tapas para salida del agua (Ref. A0050926155) a 150 mm en cada extremo. Hay que prever un desagüe suplementario para el centro, cuando la longitud sea mayor de 1m.

DESAGÜE EN MARCOS

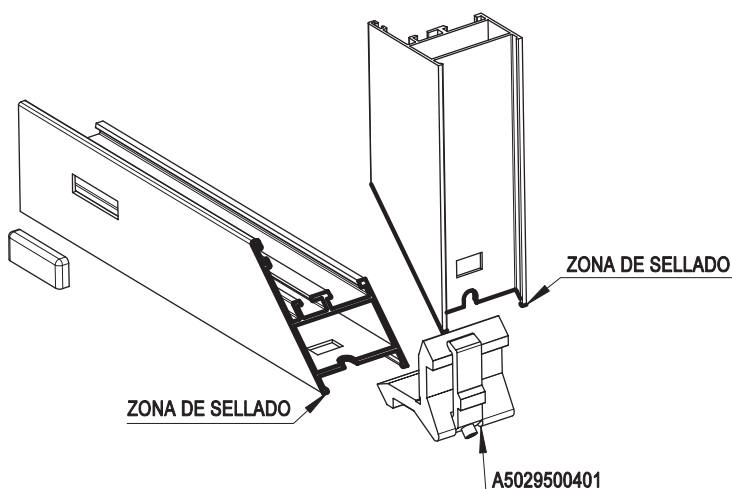


DESAGÜE EN TRAVESAÑOS



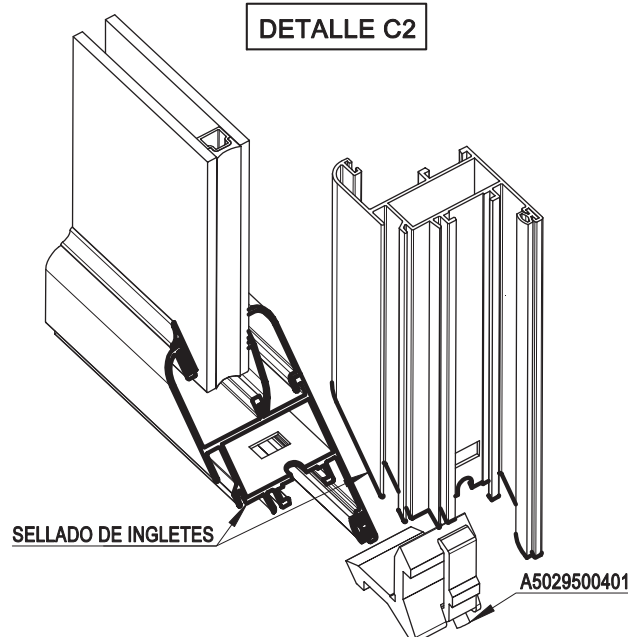
ESCUADRA EN MARCO

DETALLE C1



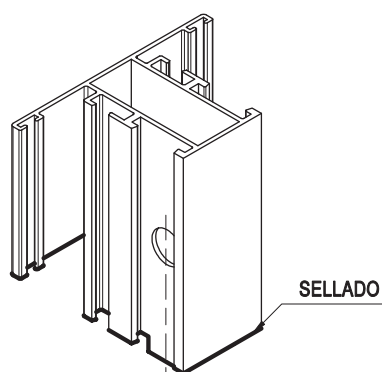
ESCUADRA EN HOJA

DETALLE C2

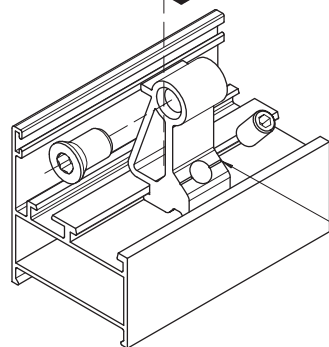


DETALLE C3

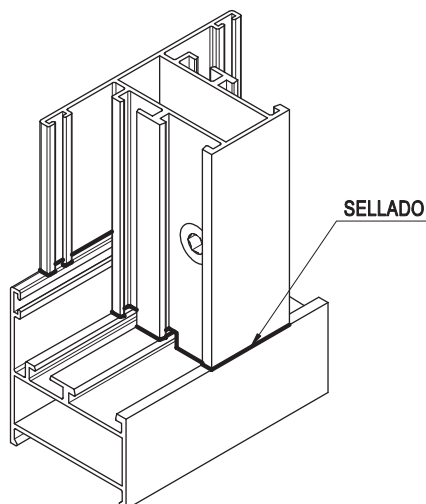
- Colocar la pieza de unión
- Sellar el travesaño con el marco con silicona neutra
- Fijacion de las dos piezas



SELLADO



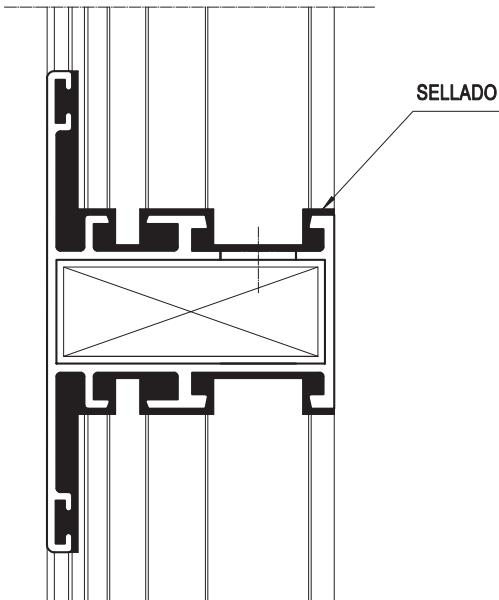
PIEZA FIJACION
TRAVESAÑO
A50 295 002 01
A50 295 003 01



SELLADO

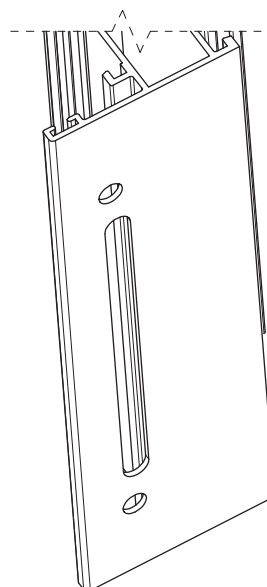
DETALLE C4

- Para los travesaños colocados horizontalmente, una vez fijados hay sellar con producto se sellado, en la zona indicada.



SELLADO

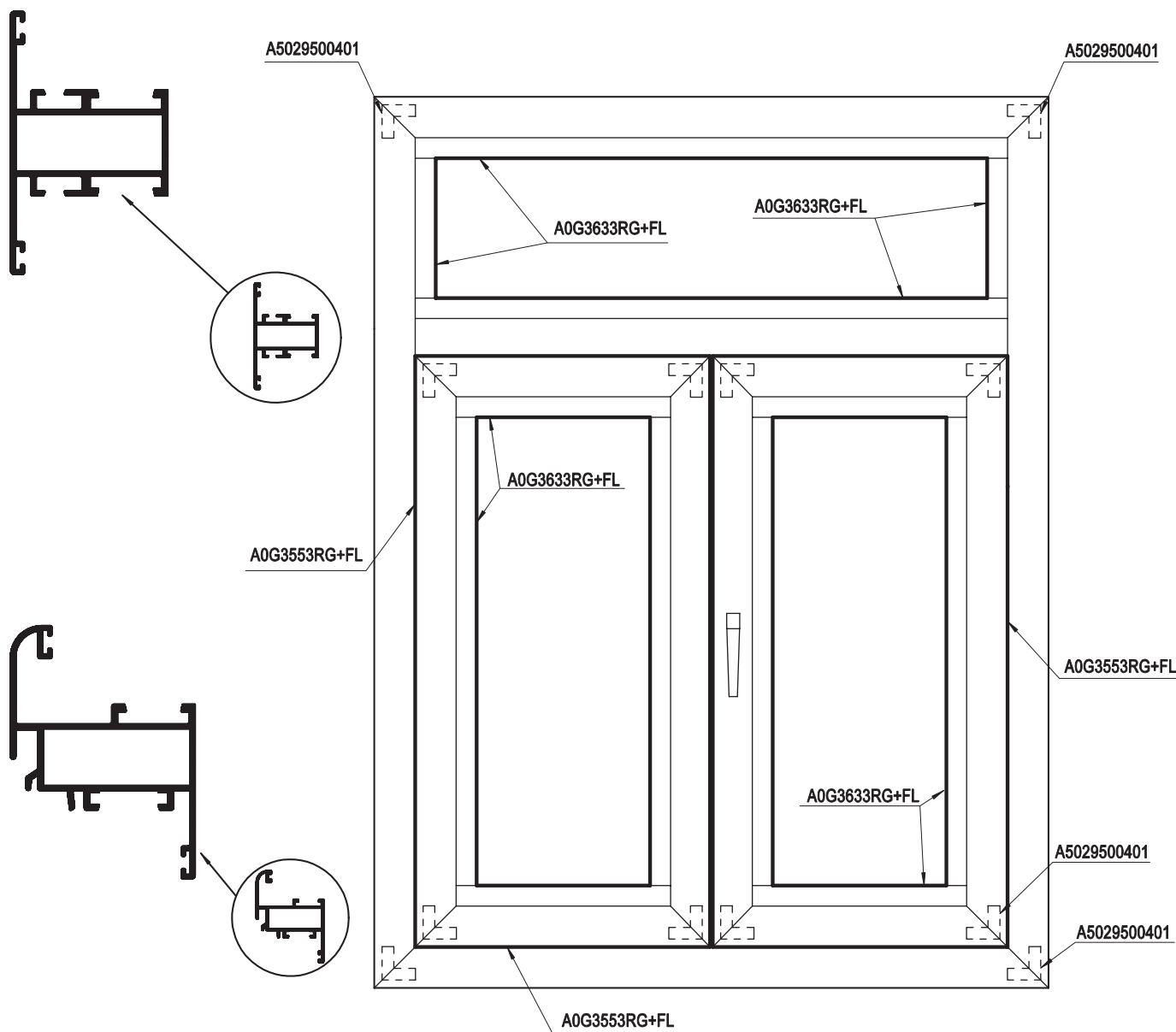
MECANIZADO DE CREMONA



- 6.- Colocar junta de acristalamiento en fijo superior y en hojas (Detalle D).
Colocar la junta perimetral de cierre hoja.

COLOCACION DE JUNTAS

DETALLE D

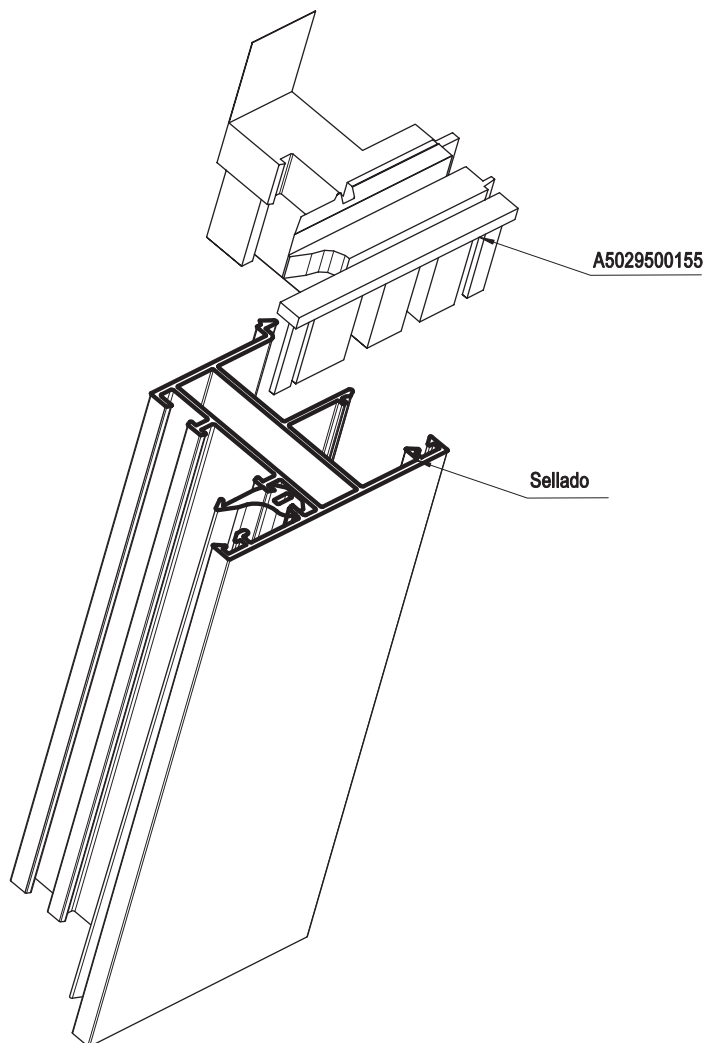
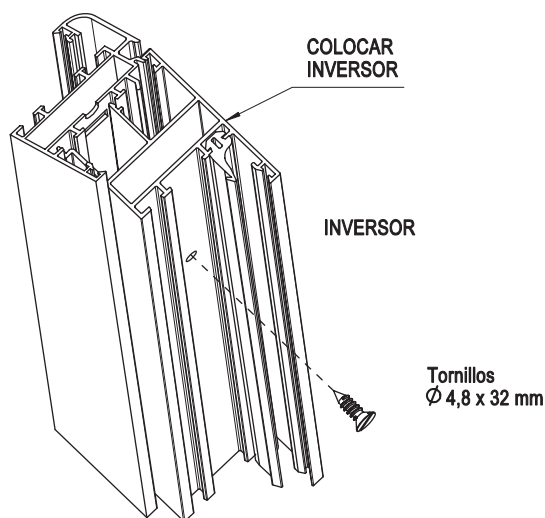


- 7.- Sellar los ingletes de todos los perfiles con silicona neutra o producto de sellado.
8.- Ensamblar cercos, hojas y travesaño. Apretar y ajustar.
Limpiar restos del producto de sellado.
9.- Sellado de la junta de acristalamiento exterior (A0G3633RG+FL) y
burlete perimetral de hoja (A0G3553RG+FL).

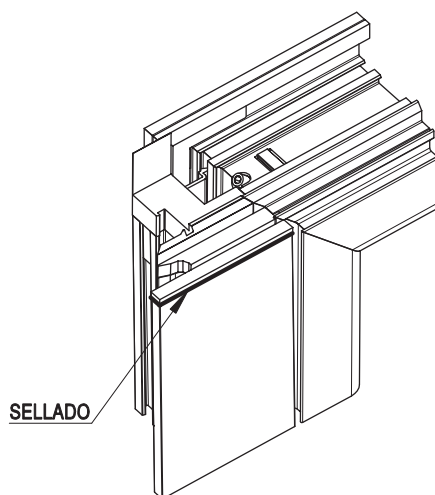
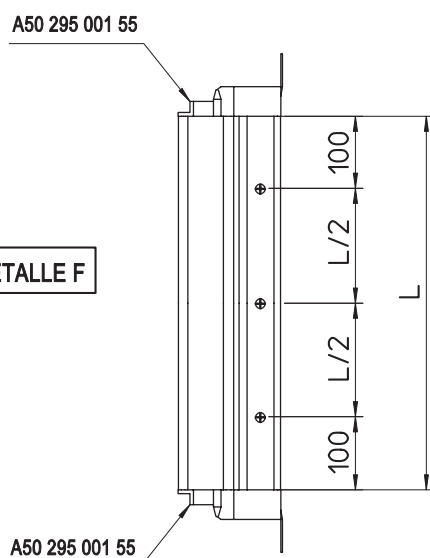
- 10.- Fijación del inversor a la hoja con su tapa A50 295 001 55 correspondiente (Detalle E).
11.- Colocación de los herrajes y montajes de hojas.

DETALLE E

Para fijar el inversor a la hoja hay que poner a 100 mm en cada extremo, tornillos de $\varnothing 4,8 \times 32$ mm. Hay que prever un tornillo suplementario para el centro, cuando la longitud de hoja sea mayor de 1m. (Detalle F)



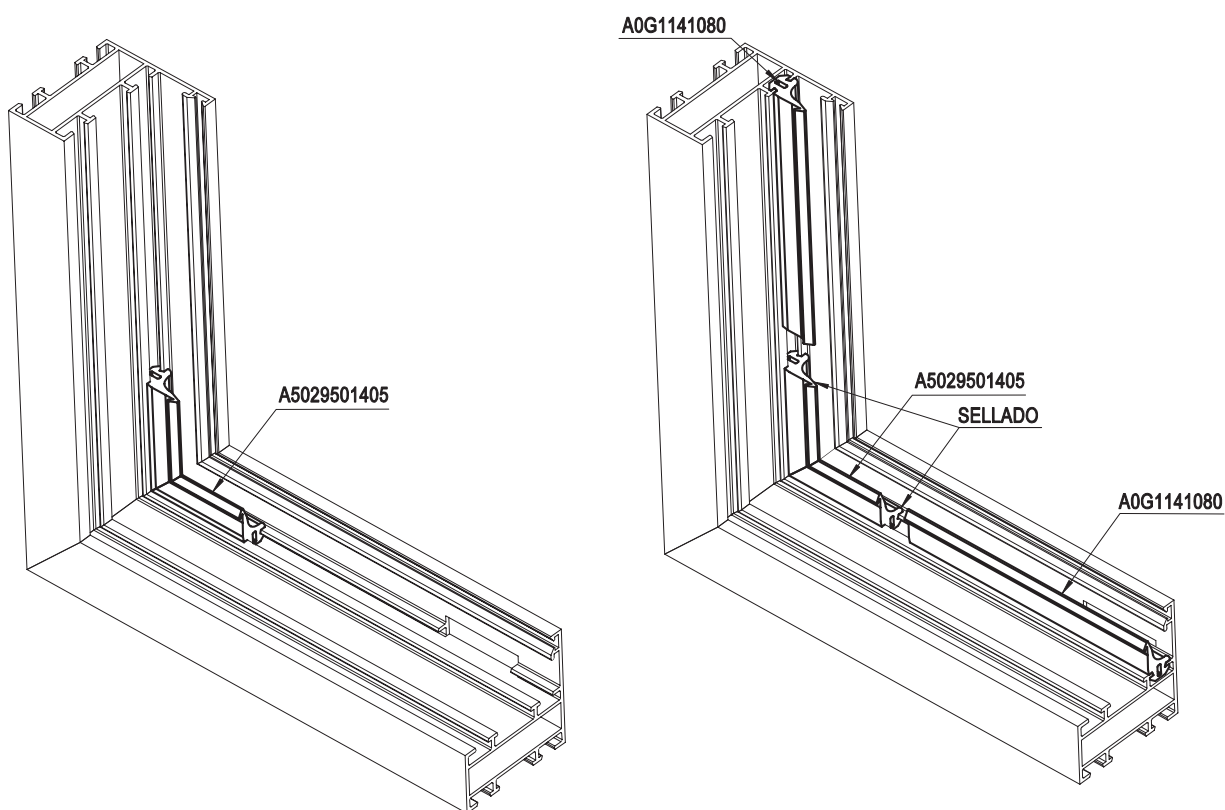
DETALLE F



12.- Colocación junta central y angulos vulcanizados y tapas de desagüe.(Detalle G)

DETALLE G

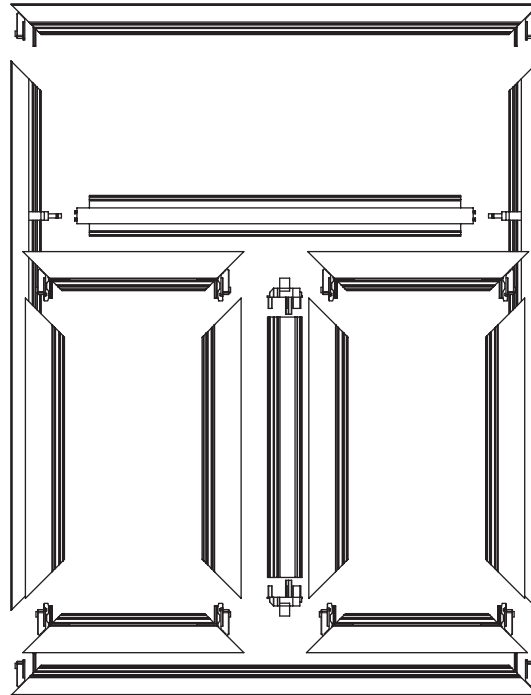
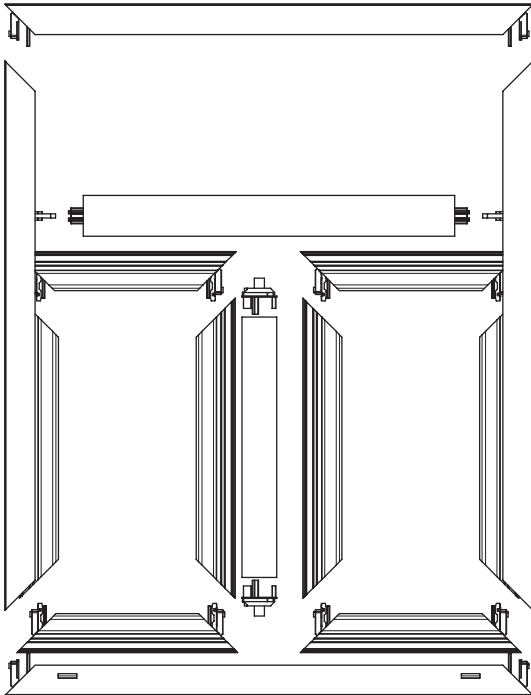
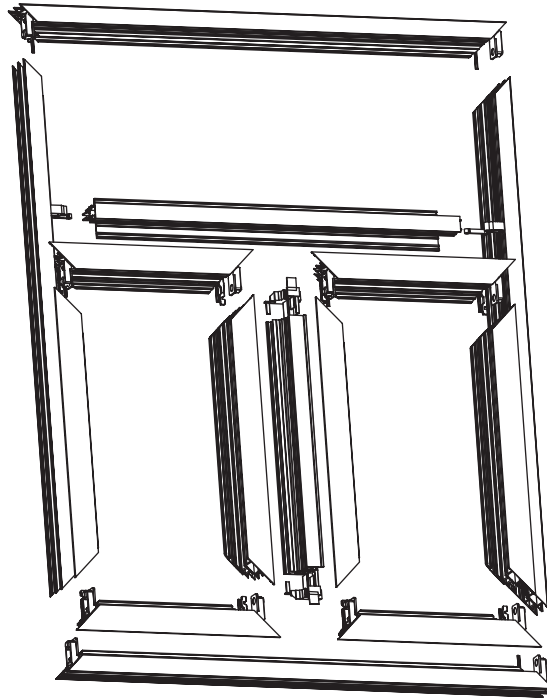
- Una vez unido al cerco colocar el angulo vulcanizado (A5029501405)
- Cortar y colocar en corte recto la junta central (A0G1141080)
- Sellar la junta central y el angulo con pegamento o poliuretano



13.- Acristalar.

14.- Colocación de los junquillos.

DETALLES EN PERSPECTIVA

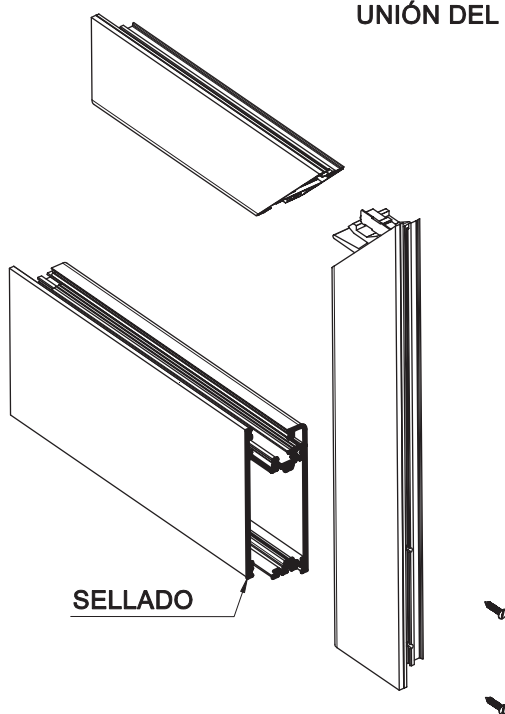


MONTAJE PUERTA DE DOS HOJAS APERTURA INTERIOR CON ZÓCALO

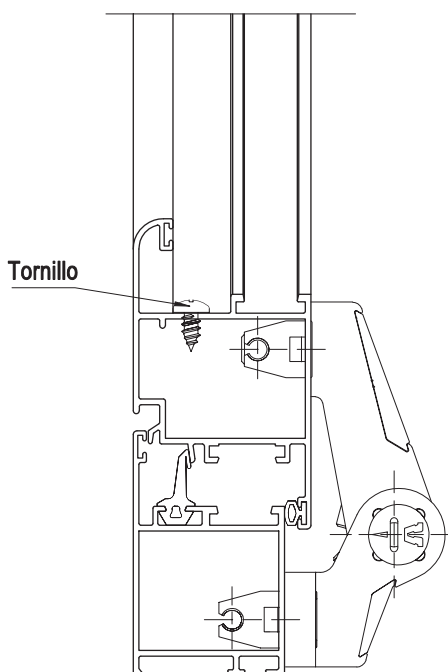
- 1.- Cortar los marcos, hojas, zócalo, inversor y tapa inferior zócalo según la lista de corte.
- 2.- Mecanizar según el apartado F de los diferentes tipos de escuadras para el marco y hoja.
- 3.- Fresar el zocalo (Detalle A)
- 4.- Colocacion de las diferentes escuadras según tipo de cerco y hoja (Detalle B)

DETALLE A

UNIÓN DEL ZÓCALO A LA HOJA



DETALLE B

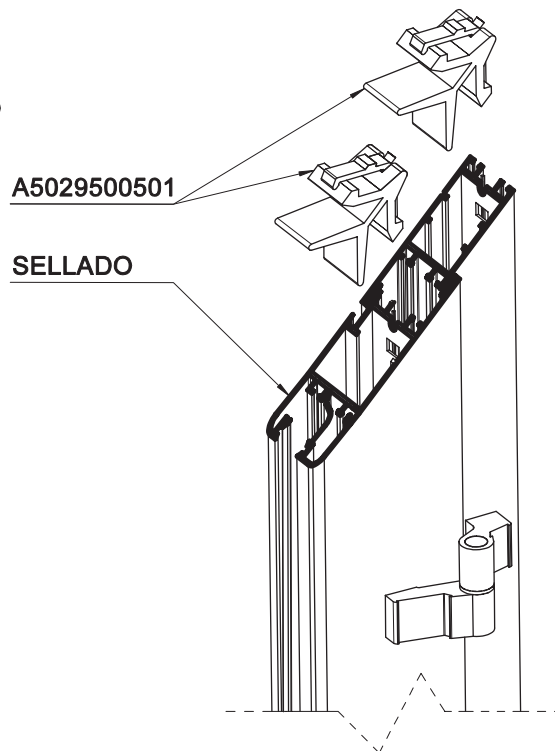


- Después de mecanizar el travesaño:
- Acoplar el zócalo a la hoja con tornillos $\varnothing 4,8 \times 50 \text{ mm}$

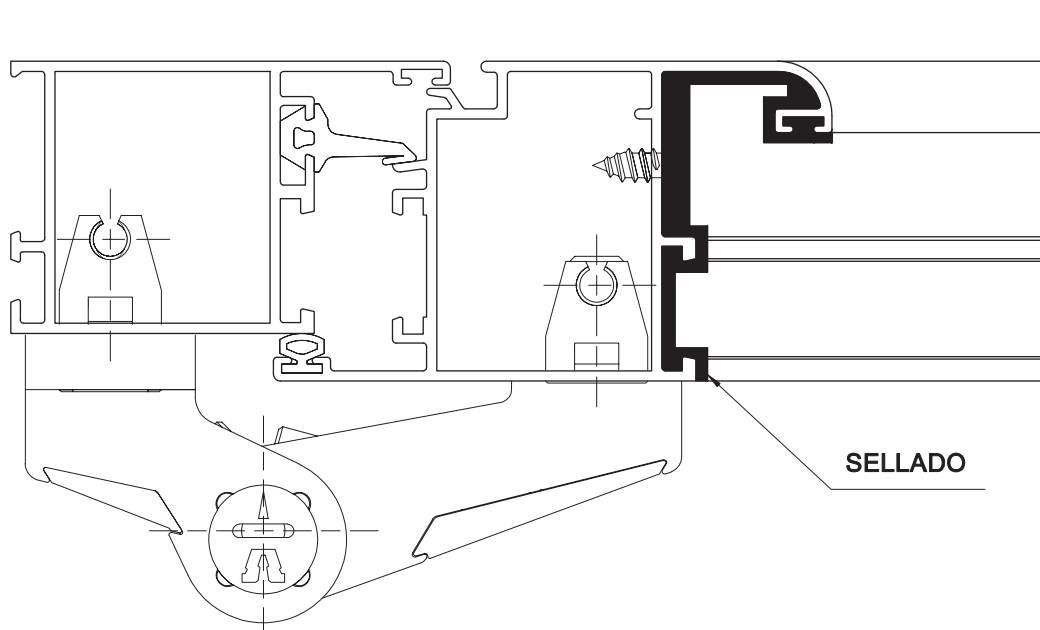
DETALLE B

- Colocacion de escuadras
- Sellar los ingletes con silicona neutra (ó producto de sellado)

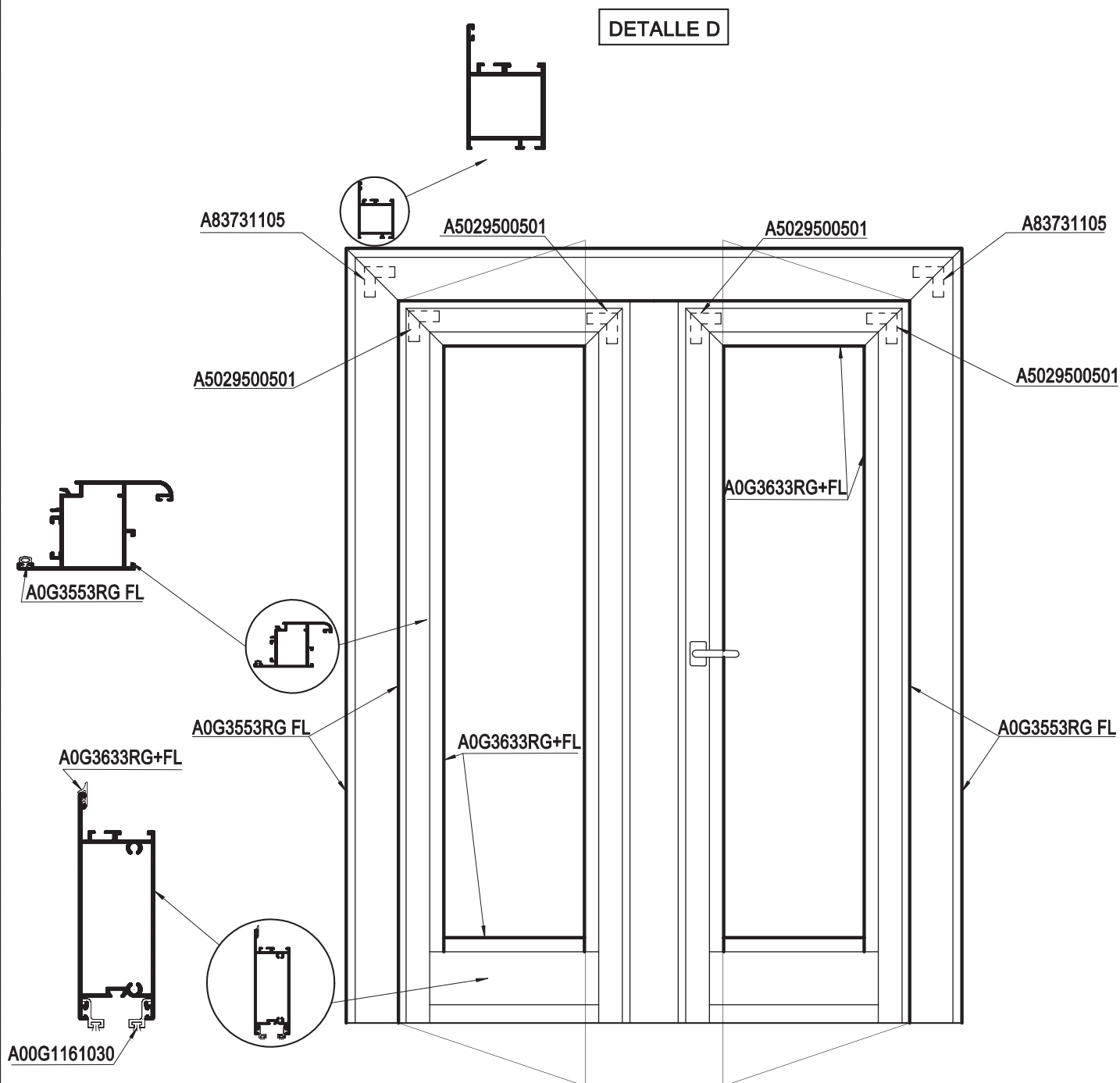
ESCUADRAS EN HOJA Y MARCO



- Para los zócalos colocados horizontalmente, una vez fijados hay que sellar con producto de sellado, en la zona indicada.



- 5.- Colocar junta de acristalamiento en travesaños(Detalle D).
Colocar la junta perimetral de cierre travesaño.

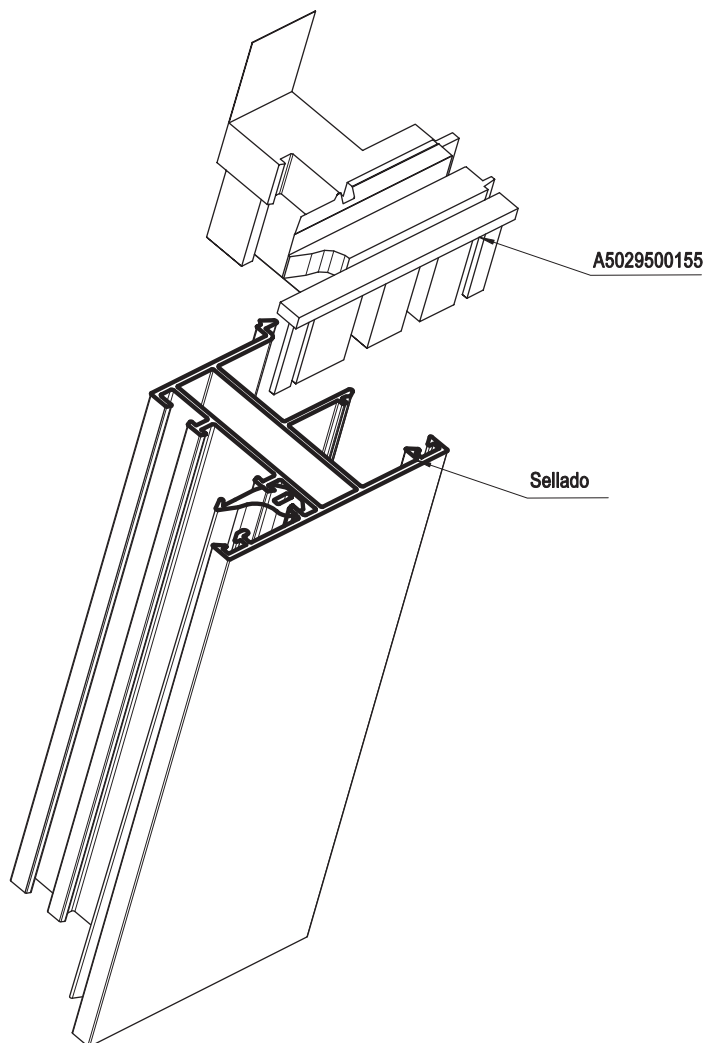
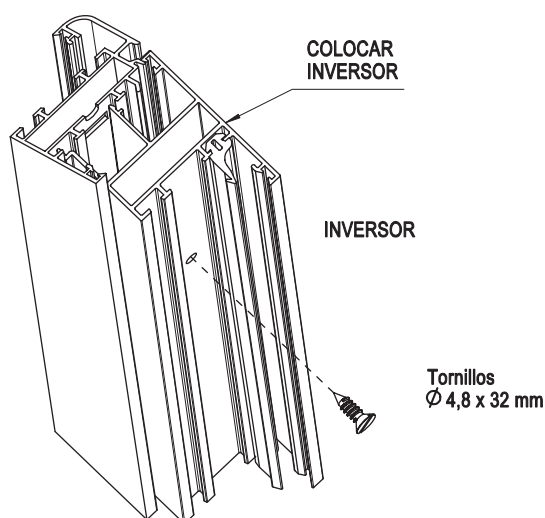


- 6.- Sellar los ingletes de todos los perfiles con silicona neutra o producto de sellado.
7.- Ensamblar cercos inversores y travesaño. Apretar y ajustar.
Limpiar restos del producto de sellado.
8.- Sellado de la junta de acristalamiento exterior (A0G3633RG+FL)
y burlete perimetral de travesaño (A0G3553RG FL).

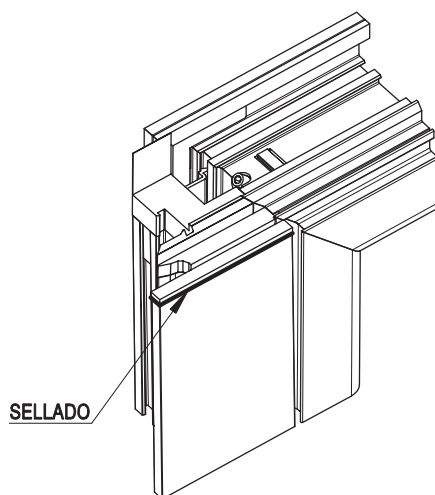
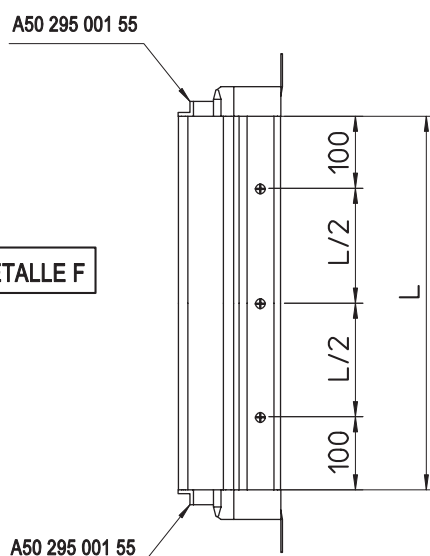
- 9.- Fijación del inversor a la hoja con su tapa A50 295 001 55 correspondiente (Detalle E).
10.- Colocación de los herrajes y montajes de hojas.

DETALLE E

Para fijar el inversor a la hoja hay que poner a 100 mm en cada extremo, tornillos de $\varnothing 4,8 \times 32$ mm. Hay que prever un tornillo suplementario para el centro, cuando la longitud de hoja sea mayor de 1m. (Detalle F)



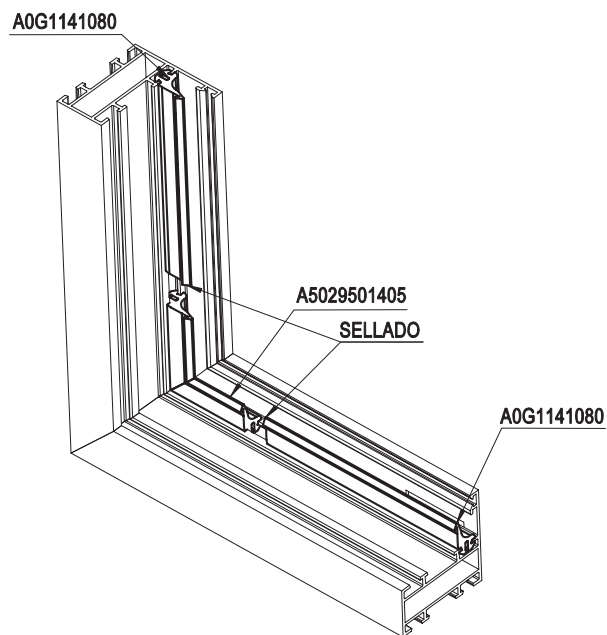
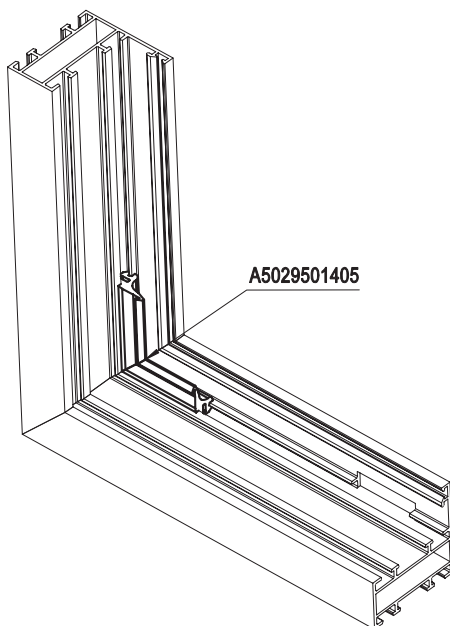
DETALLE F



11.- Colocación junta central y angulos vulcanizados y tapas de desagüe.(Detalle F)

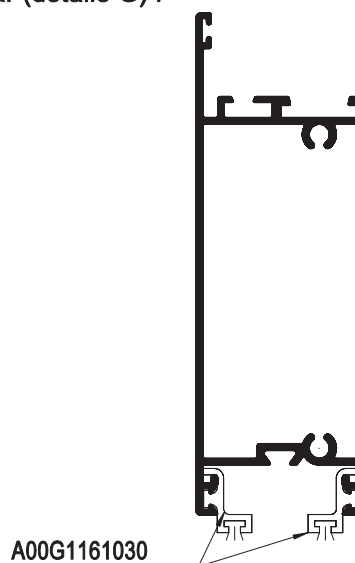
DETALLE F

- Una vez unido al cerco colocar el angulo vulcanizado (A5029501405)
- Cortar y colocar en corte recto la junta central (A0G1141080)
- Sellar la junta central y el angulo con pegamento o poliuretano



DETALLE G

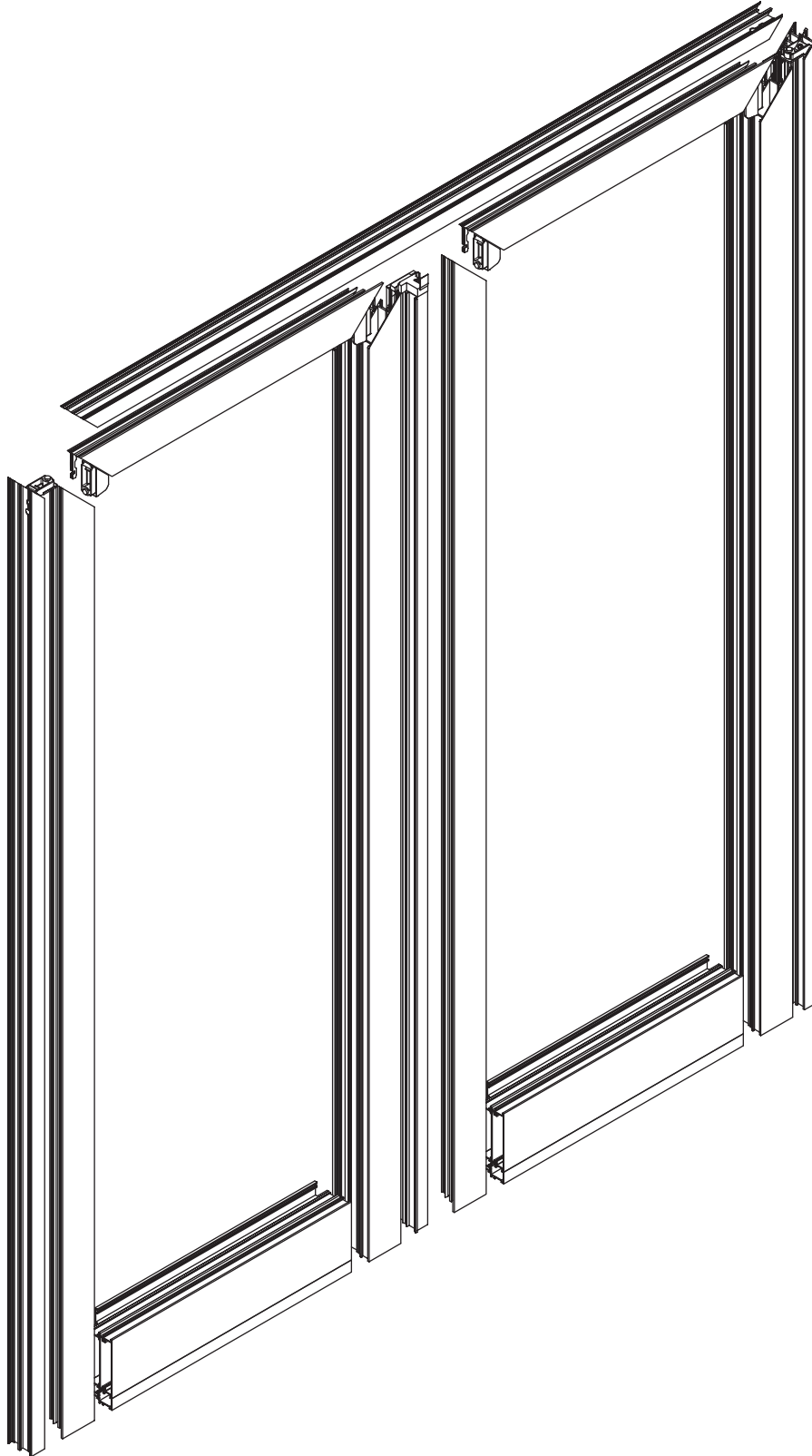
- ## 12.- Una vez montado las hojas colocar (detalle G) :
- Coloca burlete A00G1161030



13.- Acristalar.

14.- Colocación de los junquillos.

DETALLE EN PERSPECTIVA

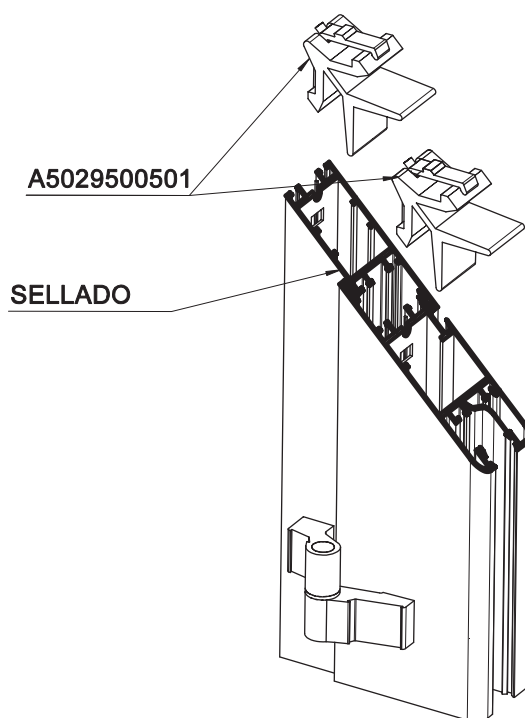


MONTAJE PUERTA DE DOS HOJAS APERTURA EXTERIOR CON ZÓCALO

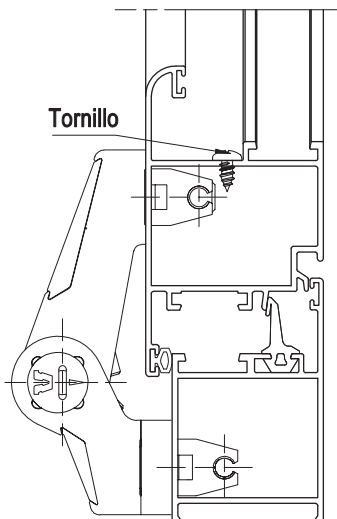
- 1.- Cortar los marcos, hojas, zócalo e inversor y perfil unión según la lista de corte.
- 2.- Mecanizar según el apartado F de los diferentes tipos de escuadras para el marco y hoja. Mecanizar el zocalo.
- 3.- Colocacion de las diferentes escuadras según tipo de cerco, hoja y fijacion zocalo (Detalle A, B, C)

DETALLE A

- Colocacion de escuadras
- Sellar los ingletes con silicona neutra (ó producto de sellado)

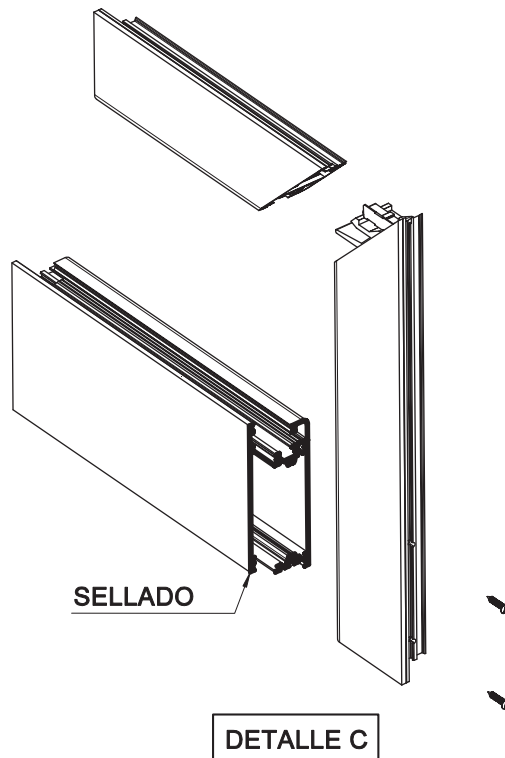


DETALLE B

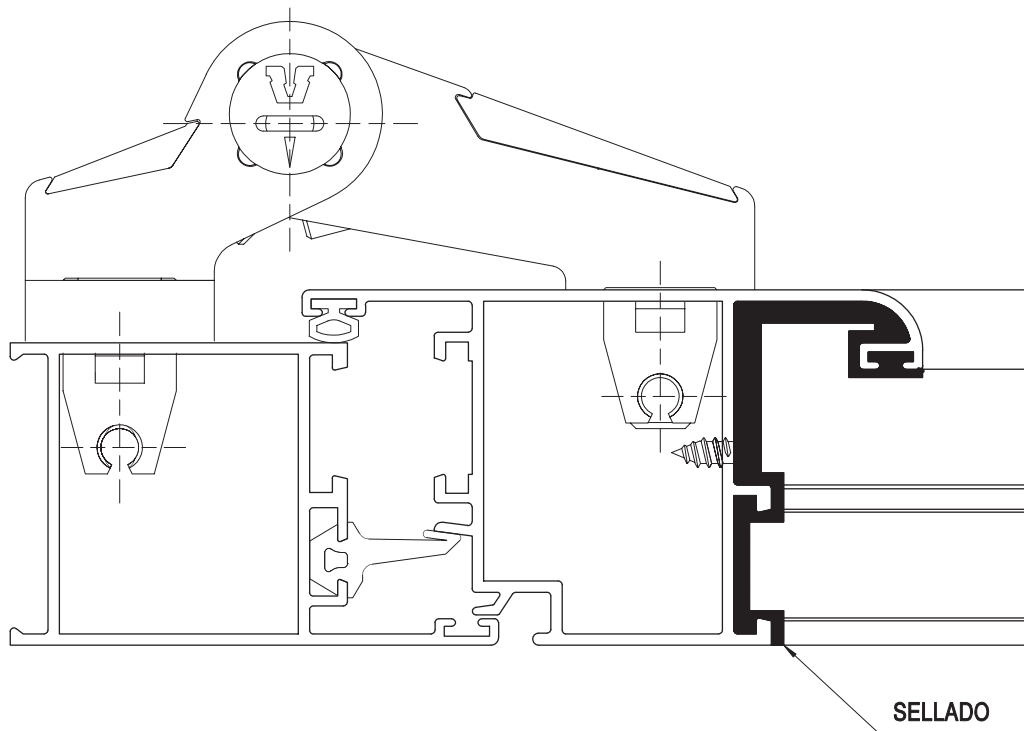


- Después de mecanizar el travesaño:
- Acoplar el zócalo a la hoja con tornillos $\varnothing 4,8 \times 50 \text{ mm}$

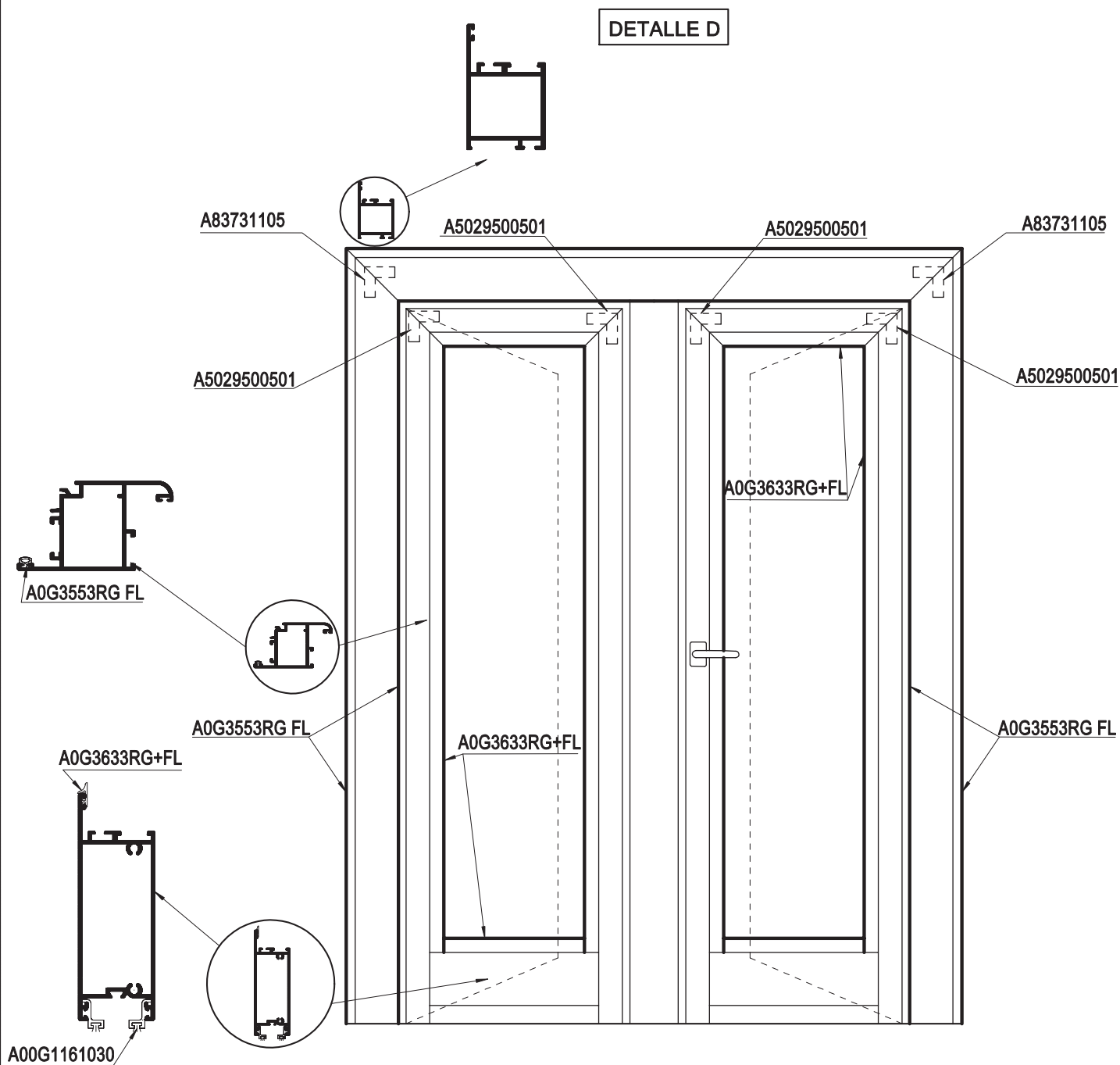
DETALLE UNIÓN DEL ZÓCALO A LA HOJA



- Para los zócalos colocados horizontalmente, una vez fijados hay que sellar con producto de sellado, en la zona indicada.



- 5.- Colocar junta de acristalamiento en travesaños(Detalle D).
Colocar la junta perimetral de cierre travesaño.

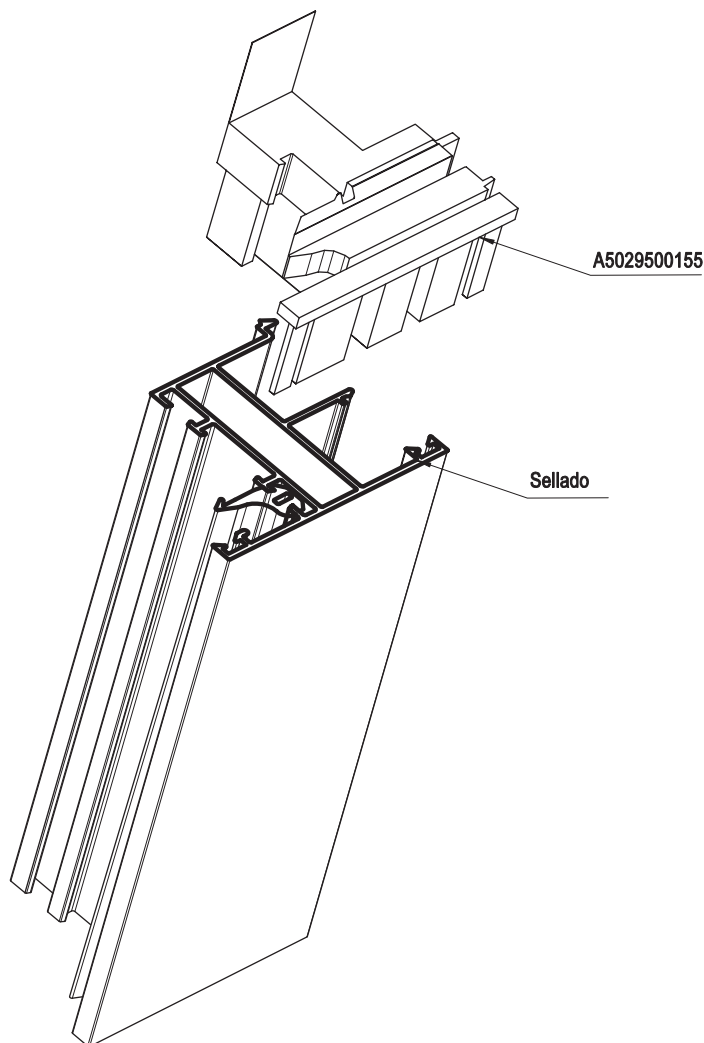
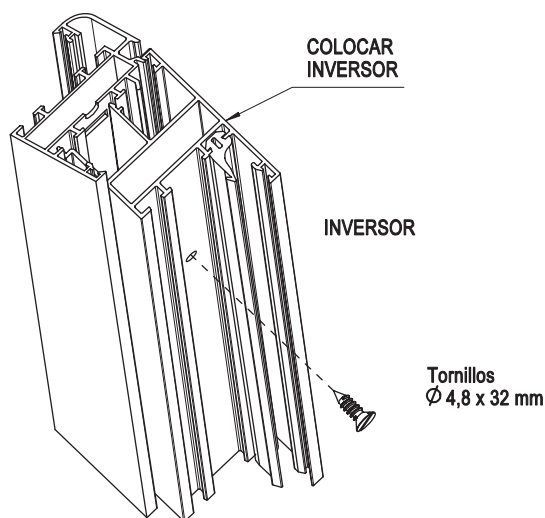


- 6.- Sellar los ingletes de todos los perfiles con silicona neutra o producto de sellado.
7.- Ensamblar cercos inversores y travesaño. Apretar y ajustar.
Limpiar restos del producto de sellado.
8.- Sellado de la junta de acristalamiento exterior (A0G3633RG+FL)
y burlete perimetral de travesaño (A0G3553RG FL).

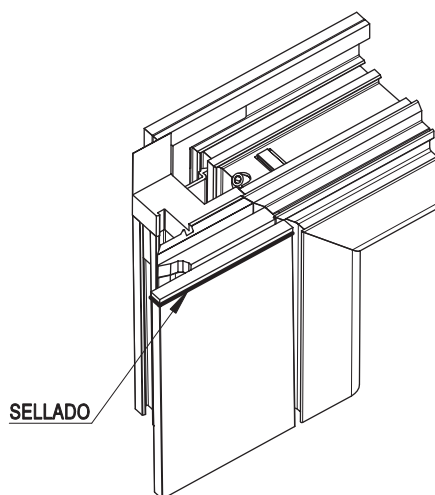
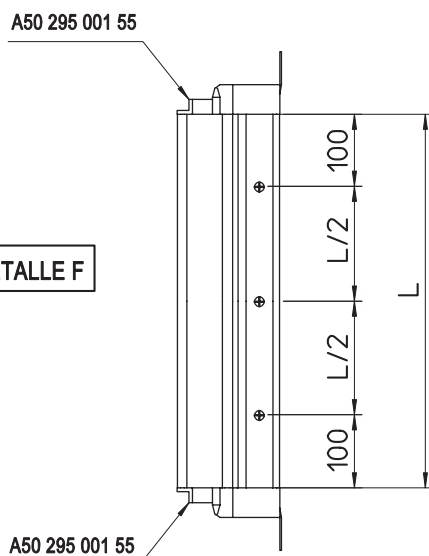
- 9.- Fijación del inversor a la hoja con su tapa A50 295 001 55 correspondiente (Detalle E).
10.- Colocación de los herrajes y montajes de hojas.

DETALLE E

Para fijar el inversor a la hoja hay que poner a 100 mm en cada extremo, tornillos de $\varnothing 4,8 \times 32$ mm. Hay que prever un tornillo suplementario para el centro, cuando la longitud de hoja sea mayor de 1m. (Detalle F)

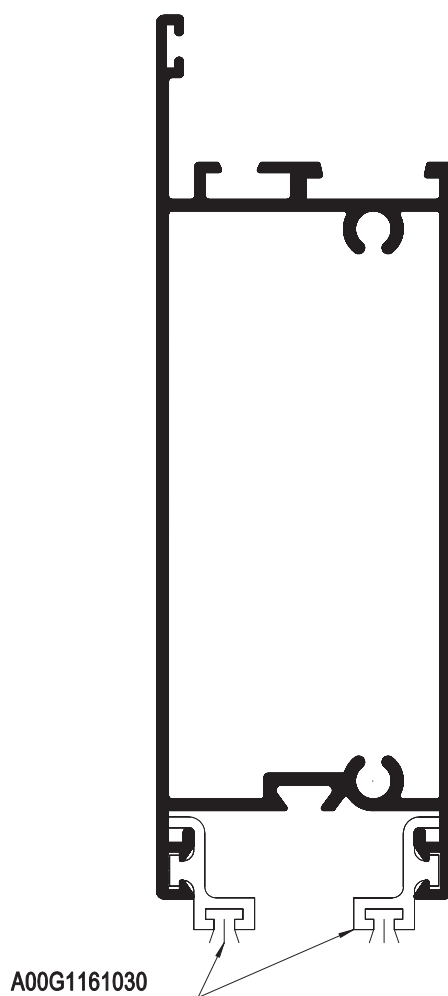


DETALLE F



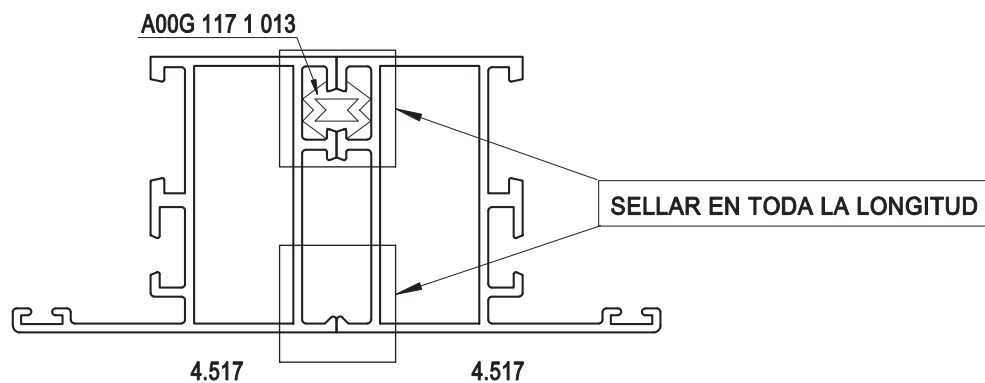
- 11.- Una vez montado las hojas colocar (detalle G) :
- Coloca burlete A00G1161030

DETALLE G

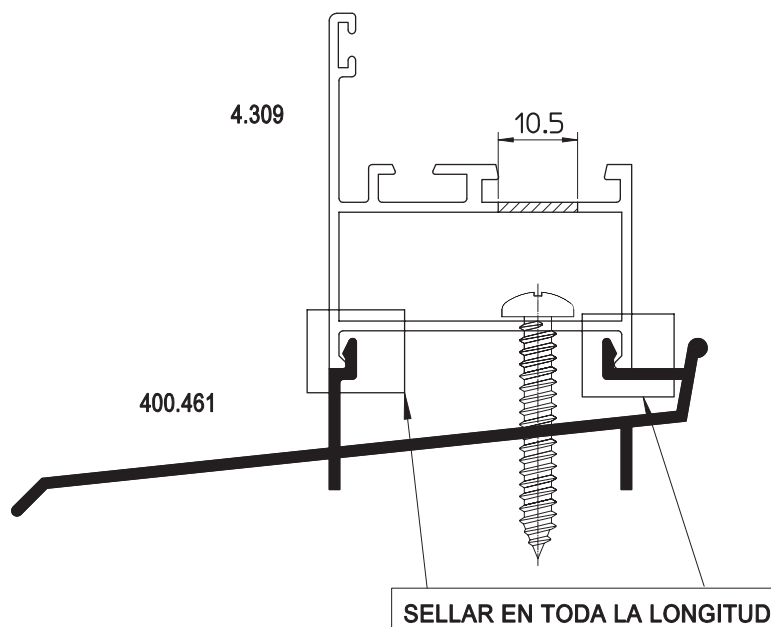


- 12.- Acristalar.
13.- Colocación de los junquillos.

DETALLE FIJACIÓN UNIÓN DE MARCOS

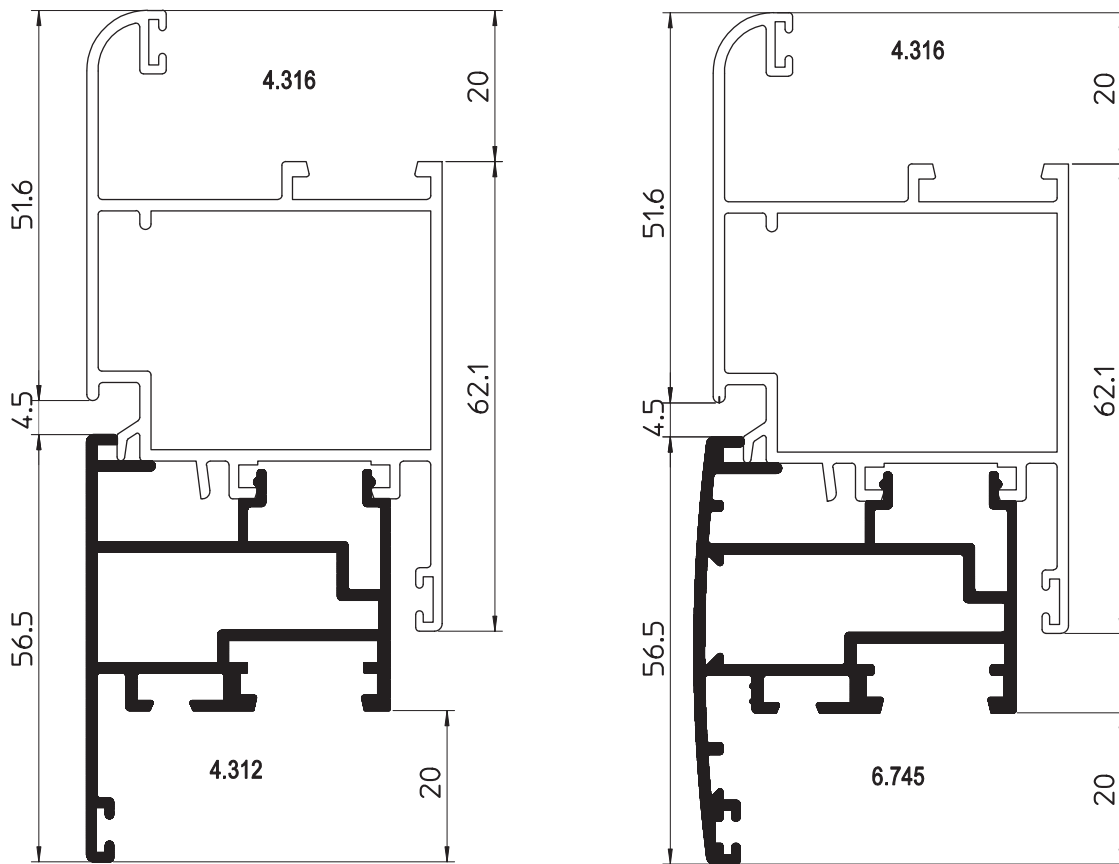


DETALLE FIJACIÓN PERFIL DE CONDENSACION

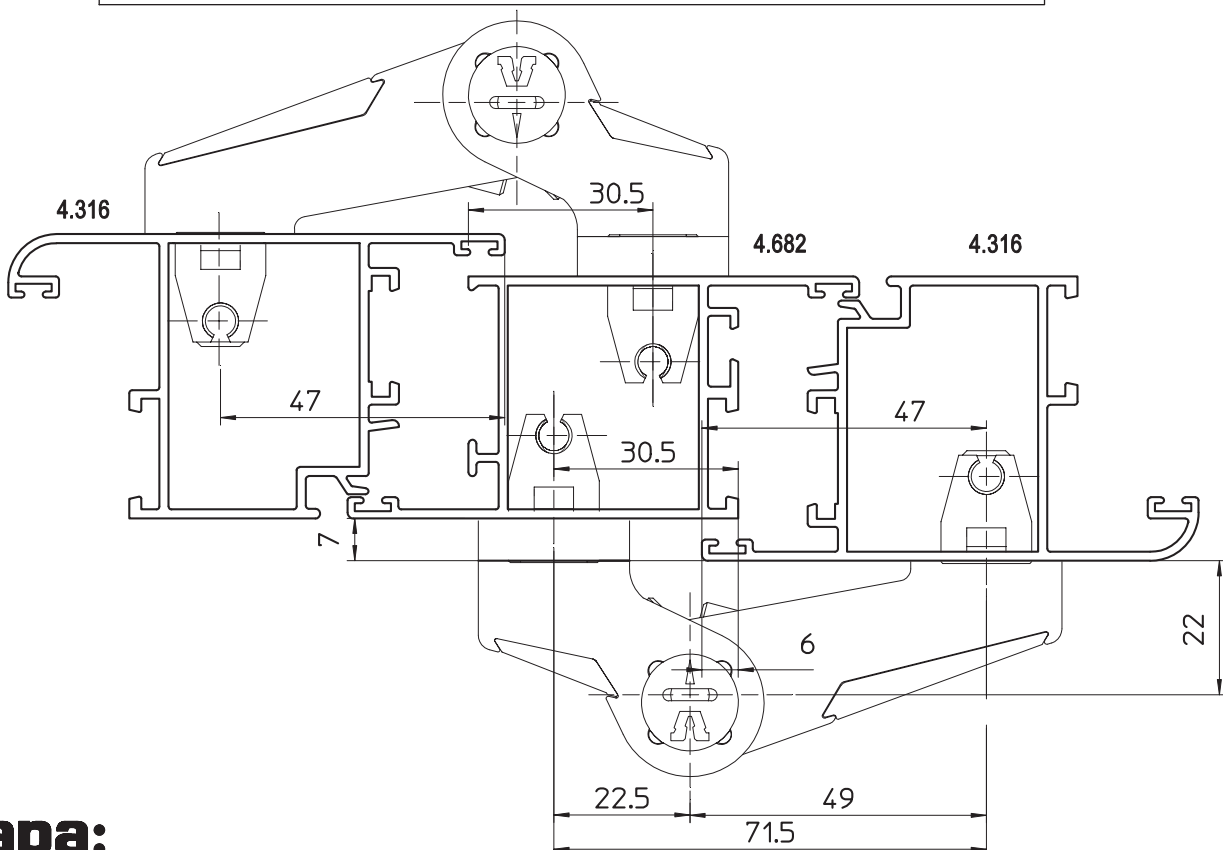


- Taladrar con broca $\varnothing$ 10,5
- Fijar con tornillo $\varnothing$ 4,8 x 32 mm

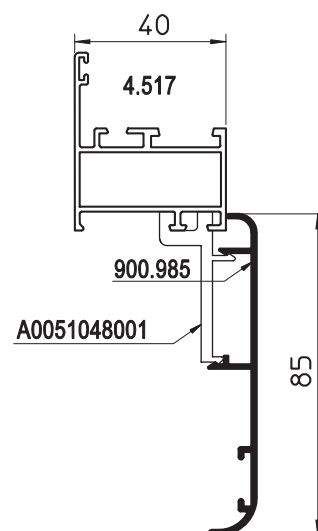
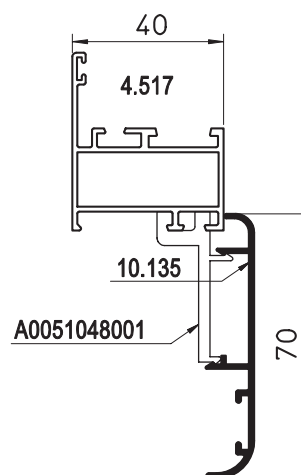
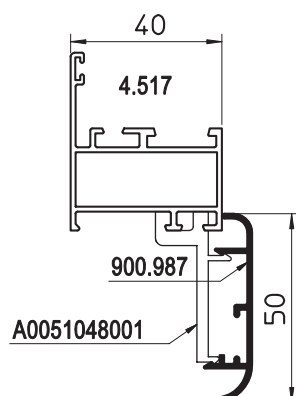
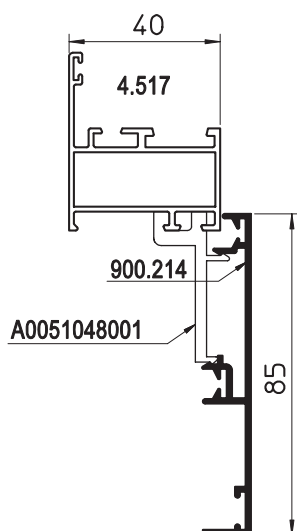
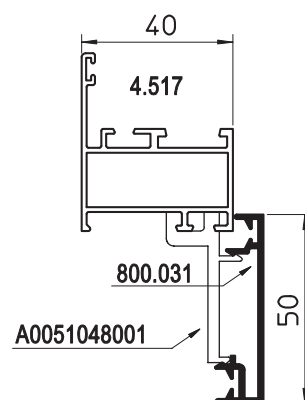
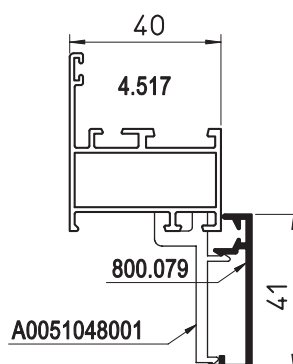
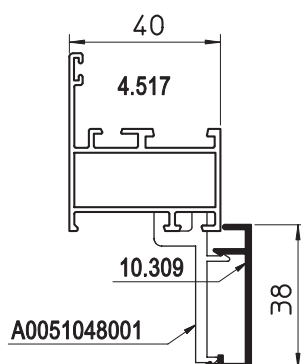
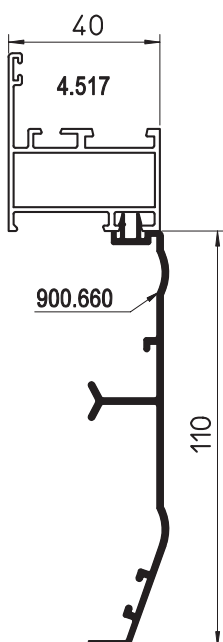
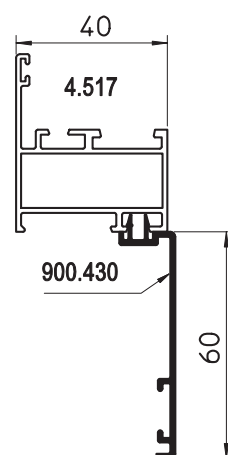
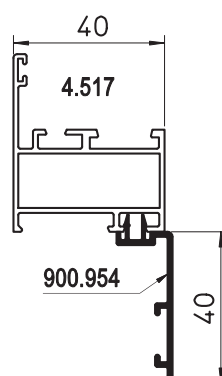
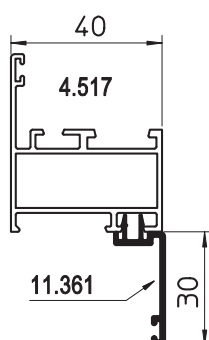
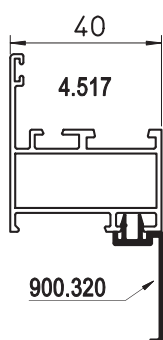
DETALLE FIJACIÓN INVERSOSES

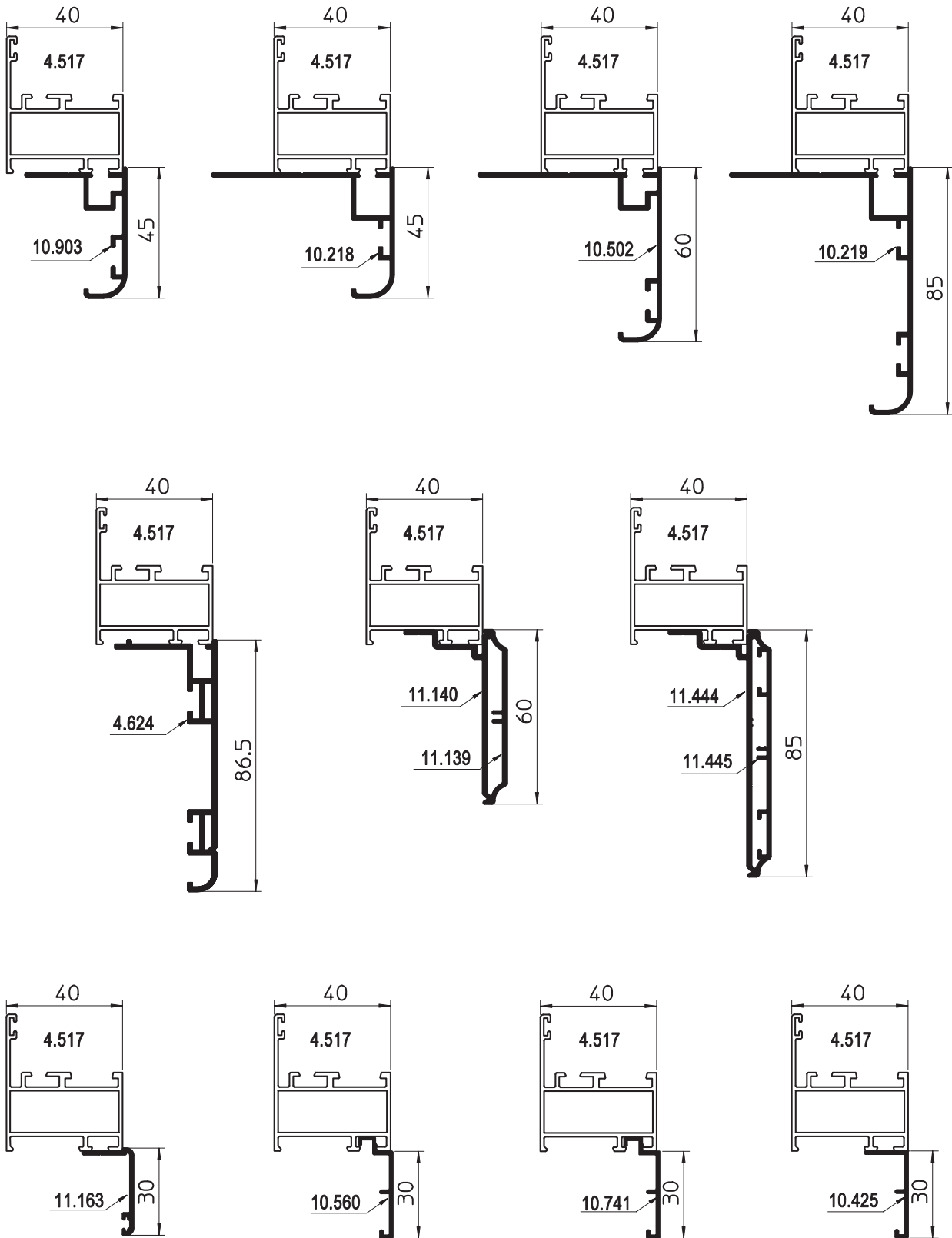


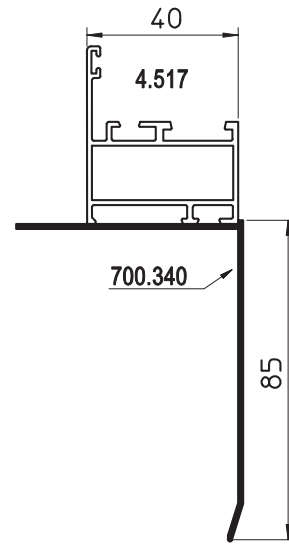
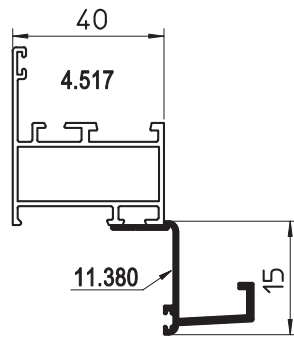
DETALLE CAMBIO APERTURA INTERIOR A EXTERIOR CON 4.682



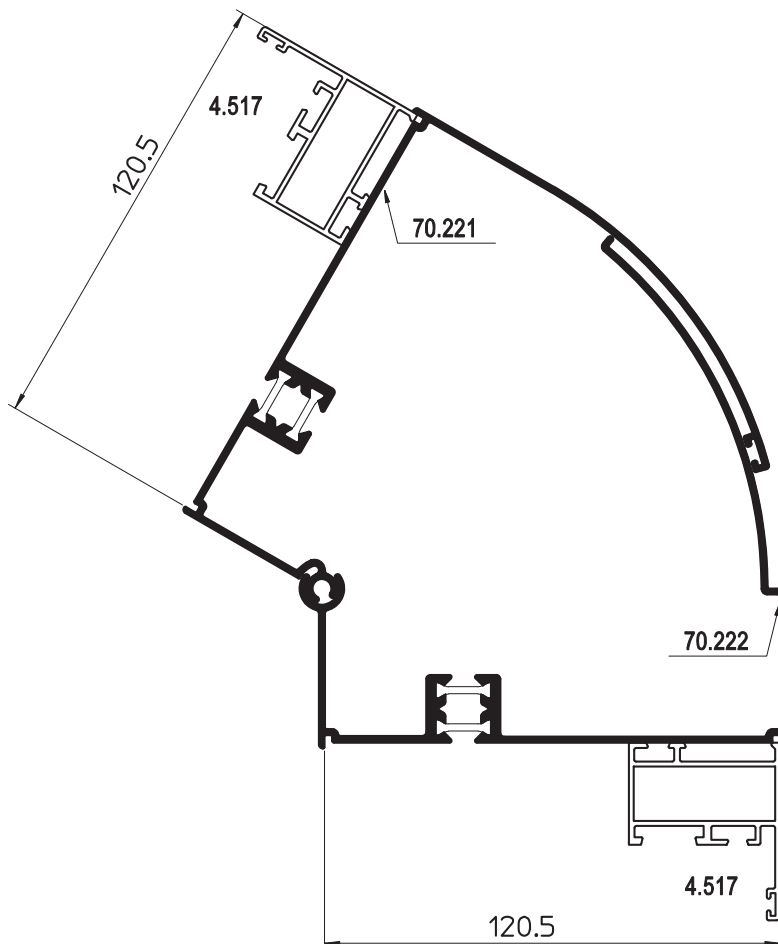
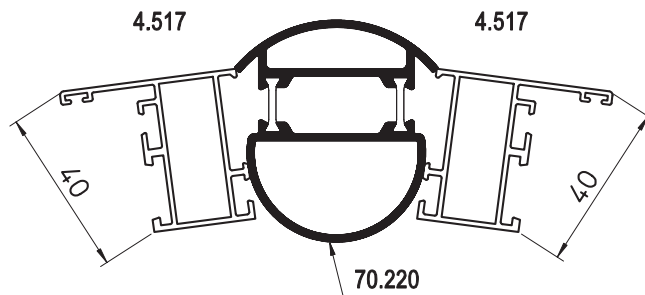
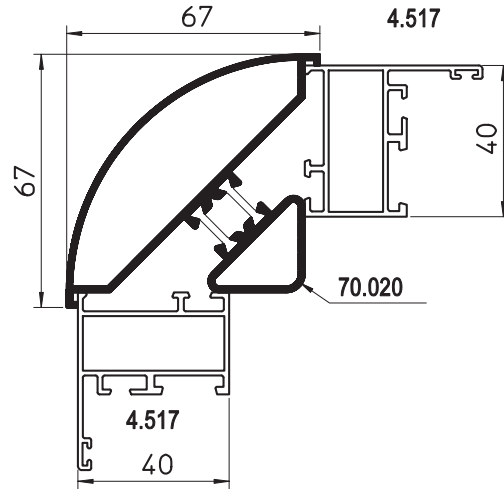
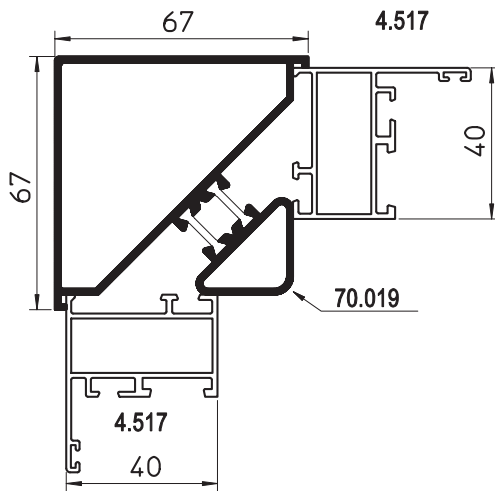
MONTAJE PERFILES COMPLEMENTARIOS DETALLE MONTAJE TAPAJUNTAS



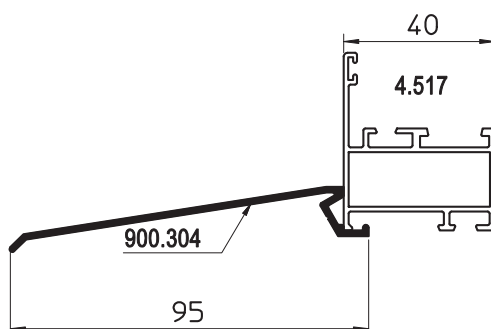
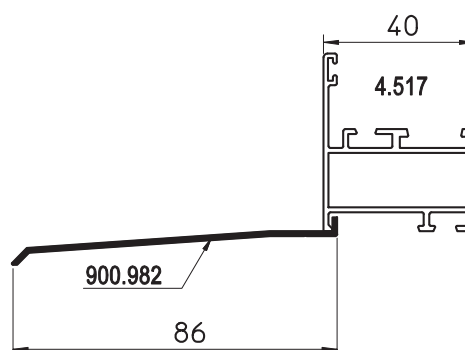
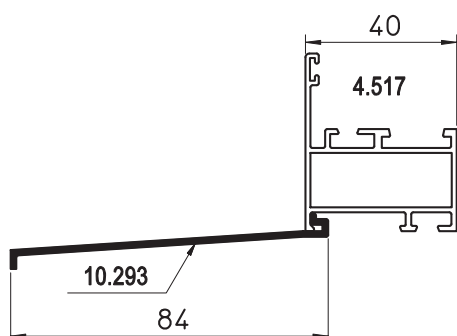
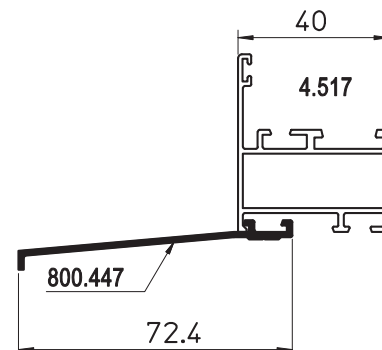
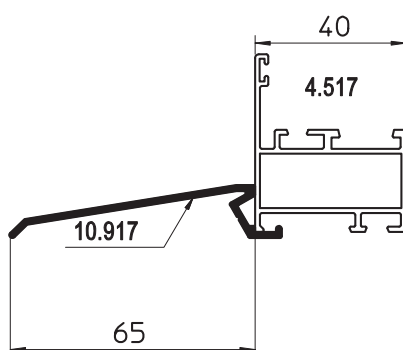
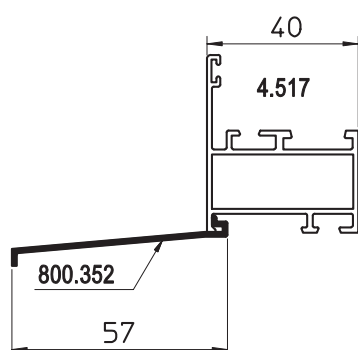




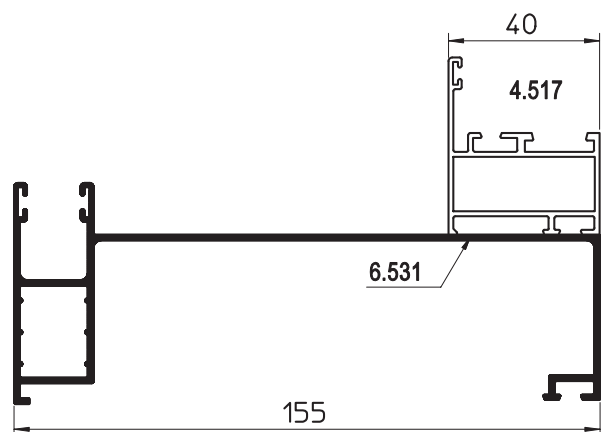
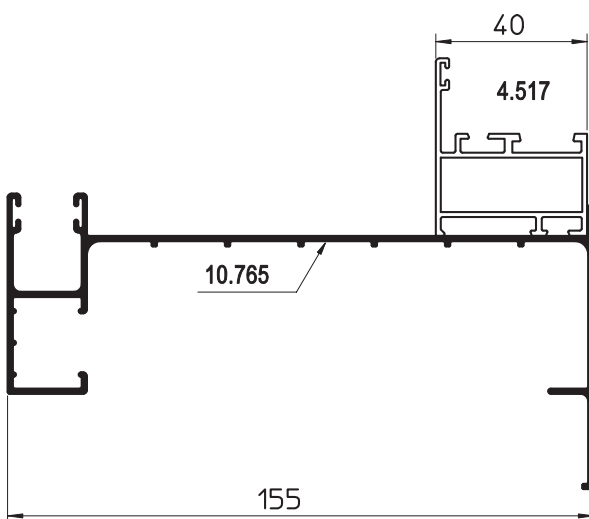
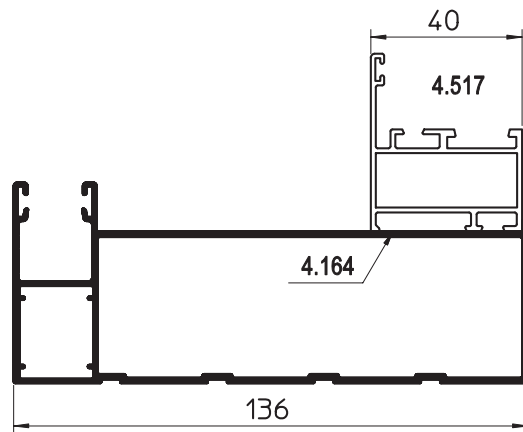
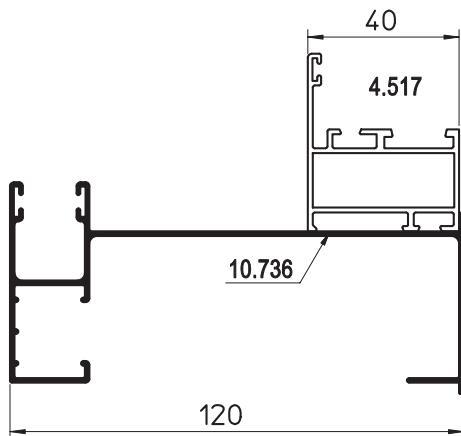
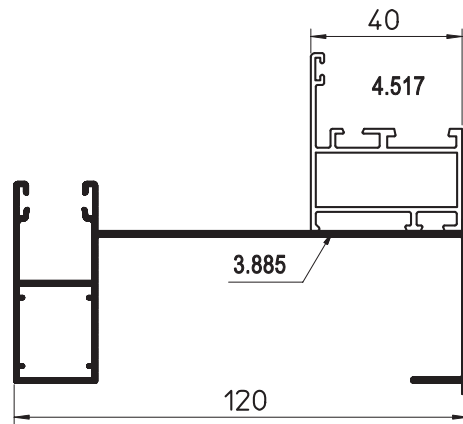
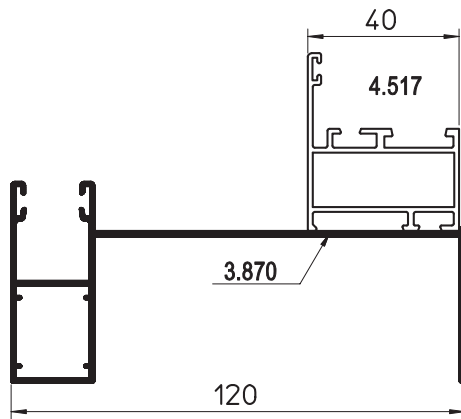
MONTAJE PERFILES COMPLEMENTARIOS DETALLE MONTAJE PERFILES DE UNION

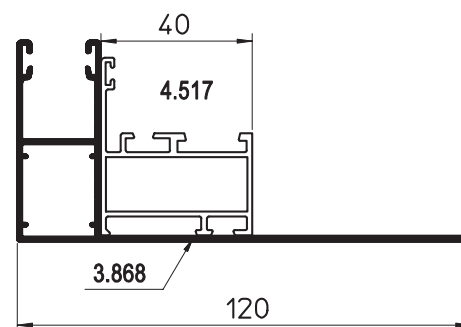
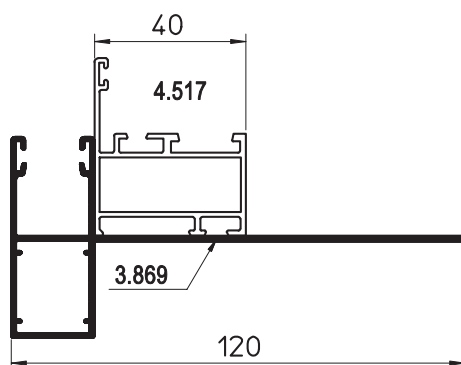
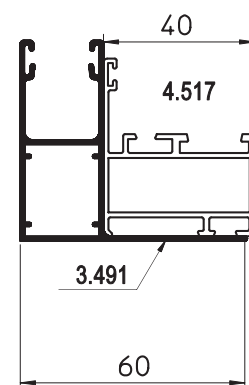
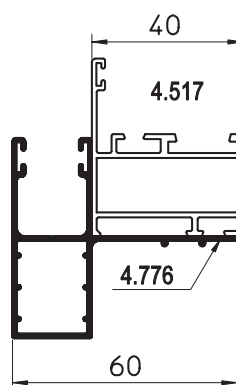
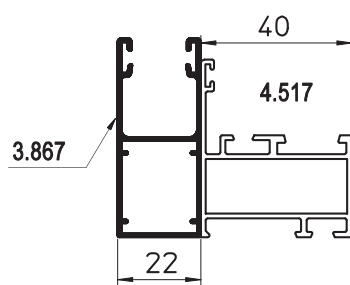
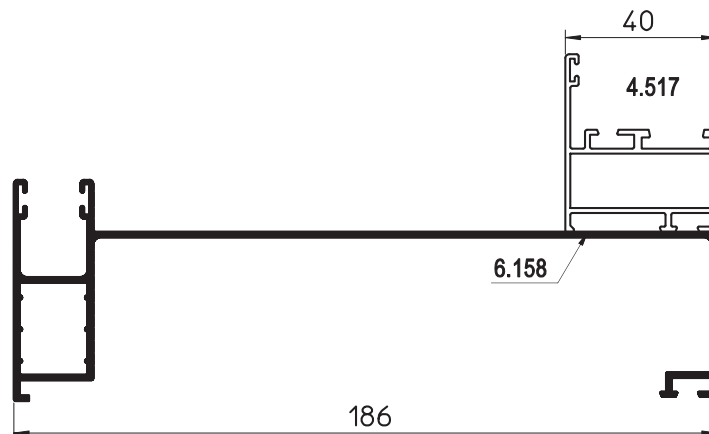


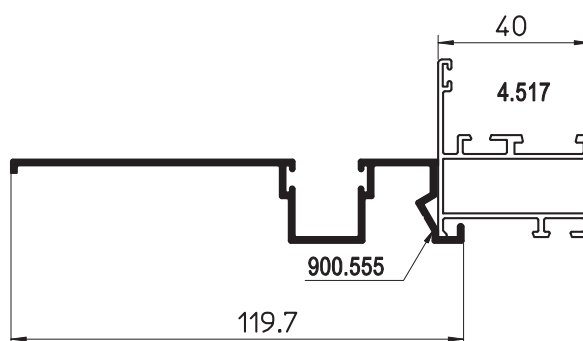
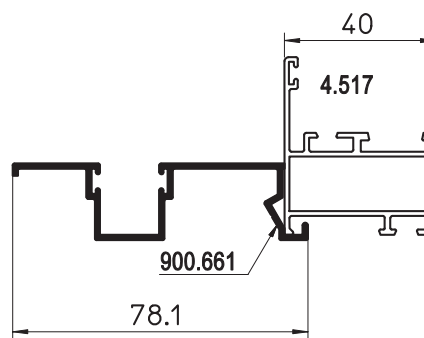
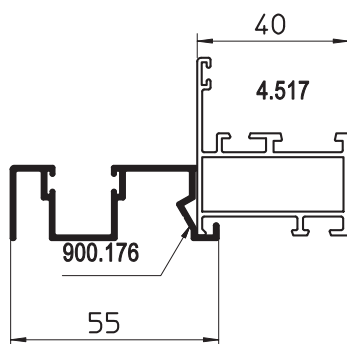
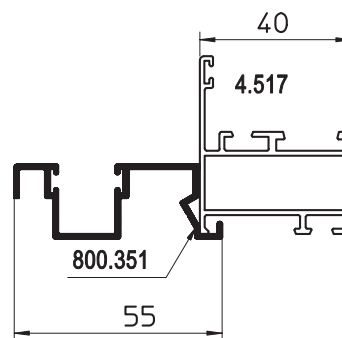
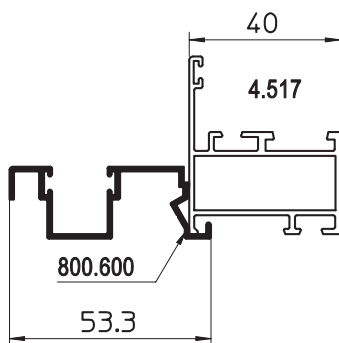
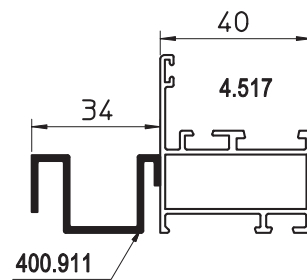
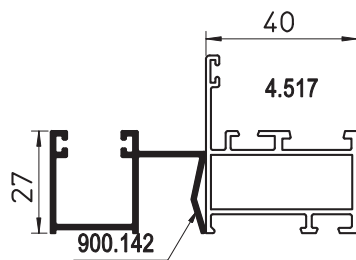
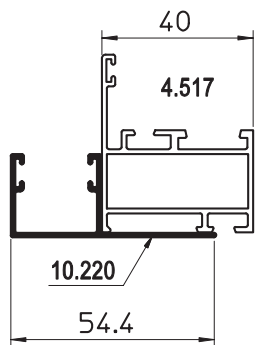
MONTAJE PERFILES COMPLEMENTARIOS DETALLE MONTAJE PERFILES COMPLEMENTARIOS

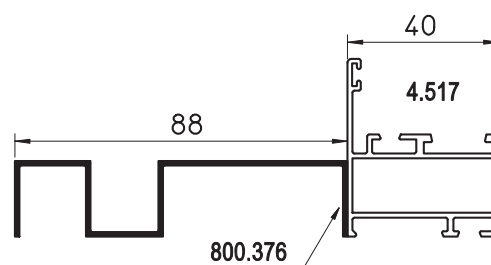
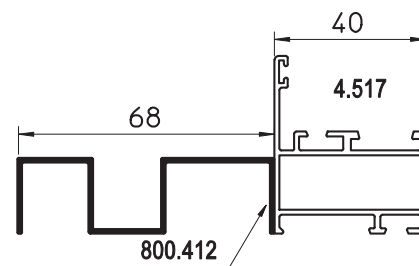
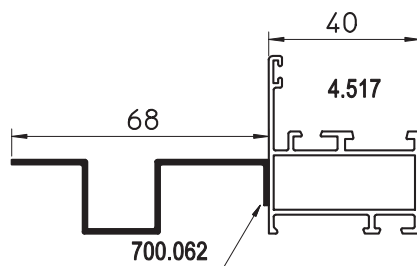
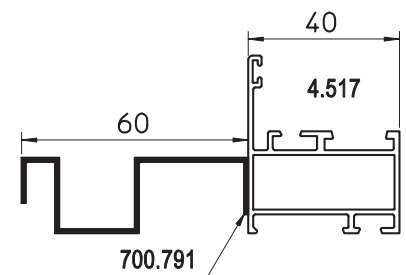
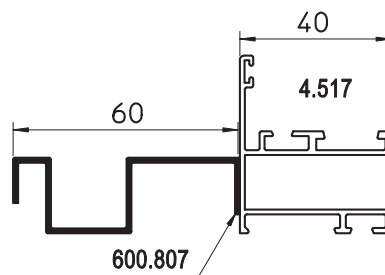
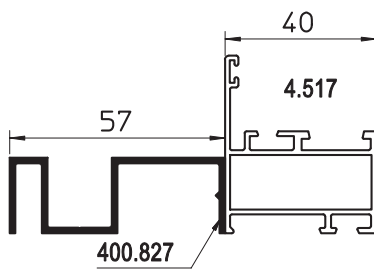
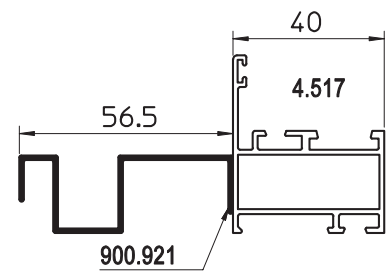
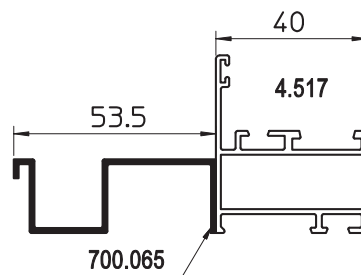
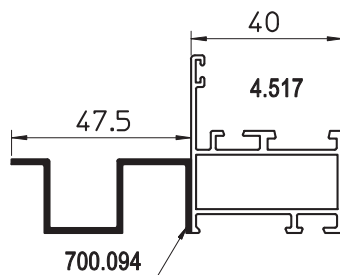
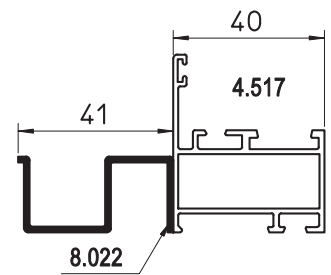
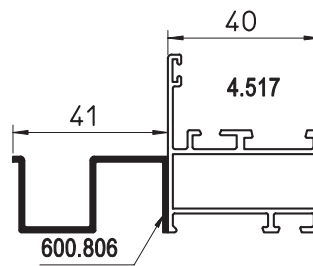
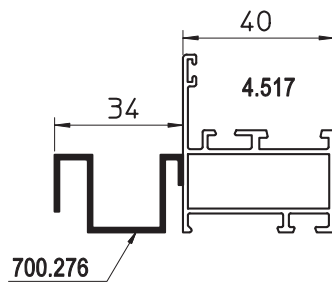


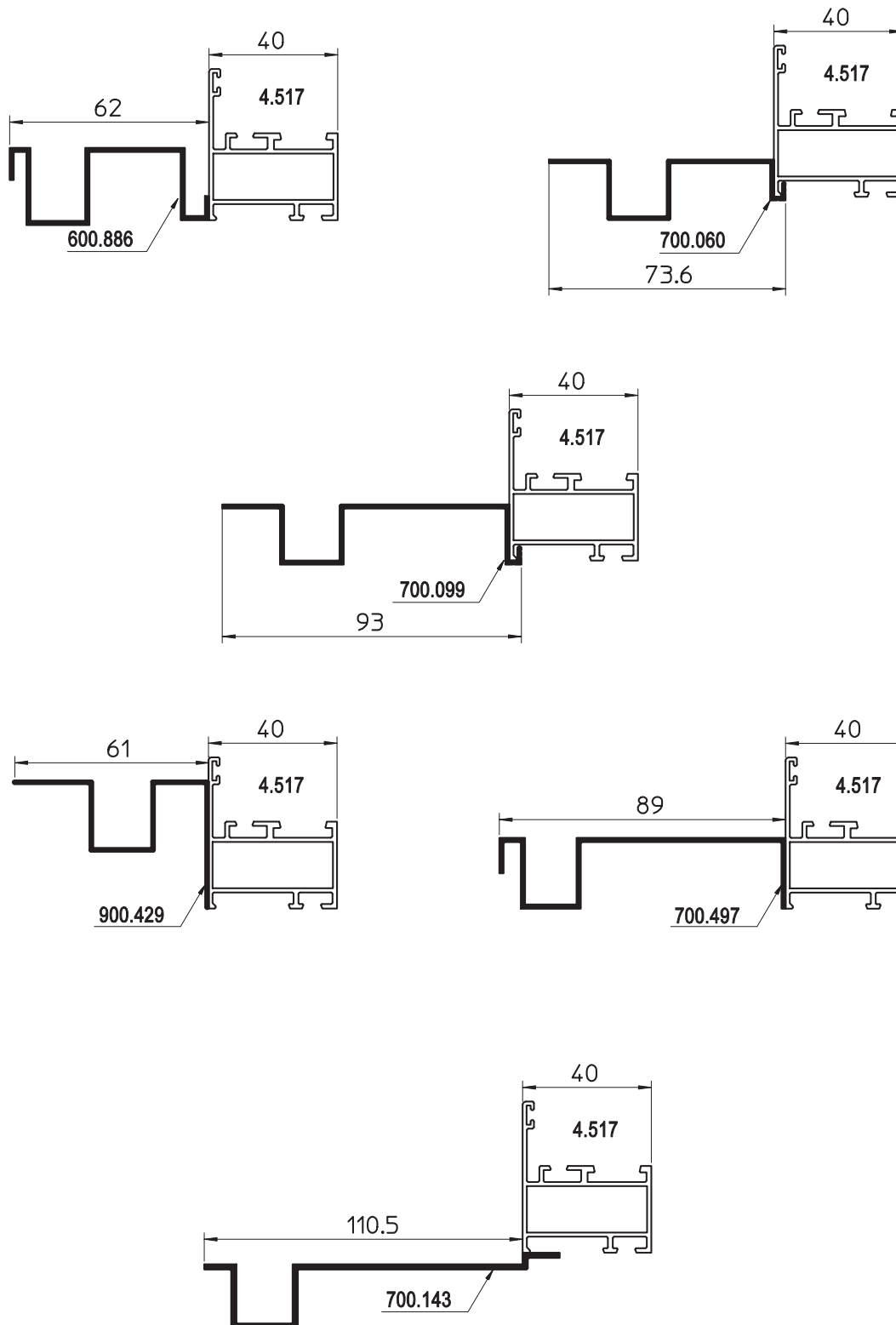
MONTAJE PERFILES COMPLEMENTARIOS DETALLE MONTAJE GUIAS

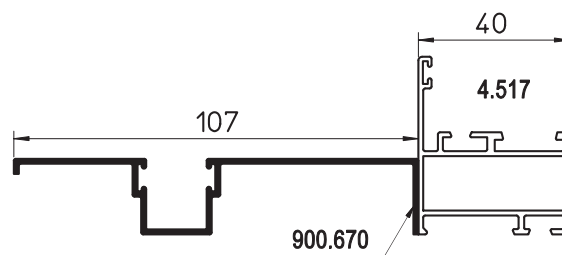
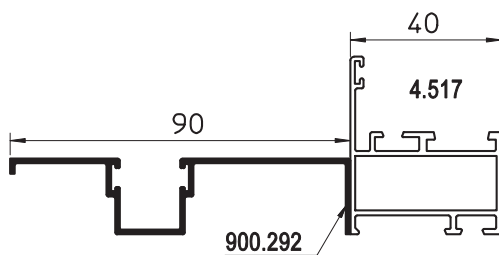
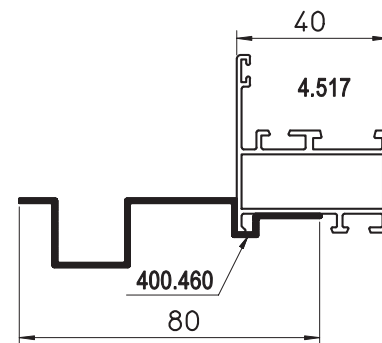
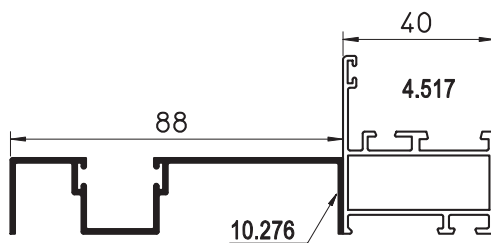
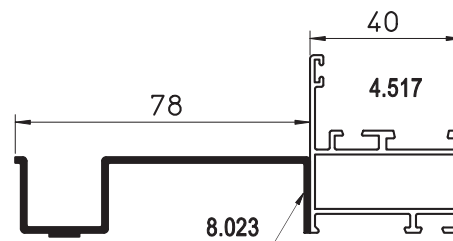
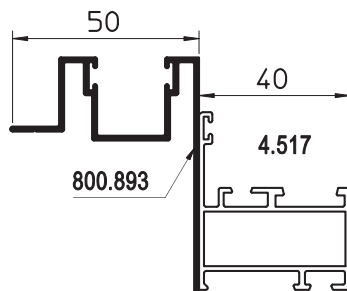
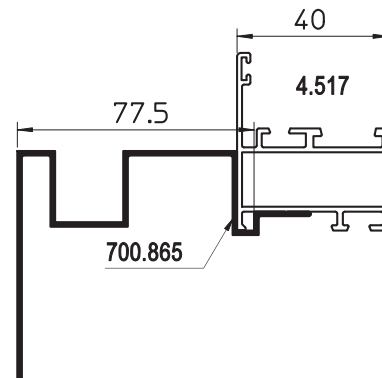
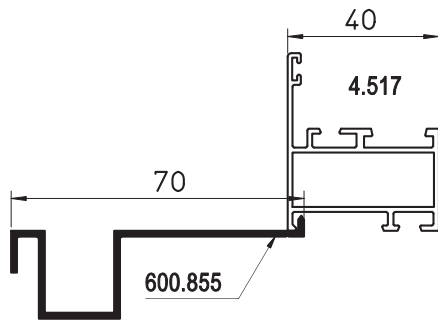


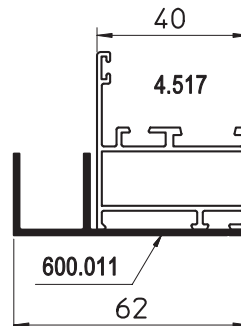
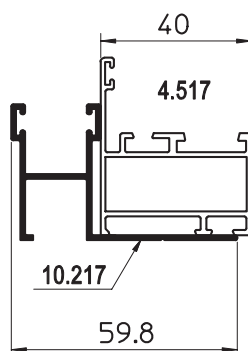
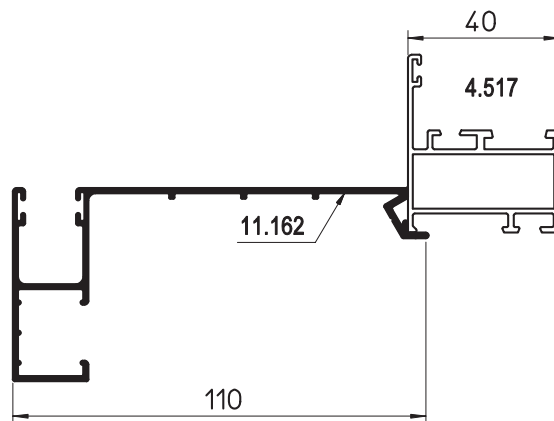
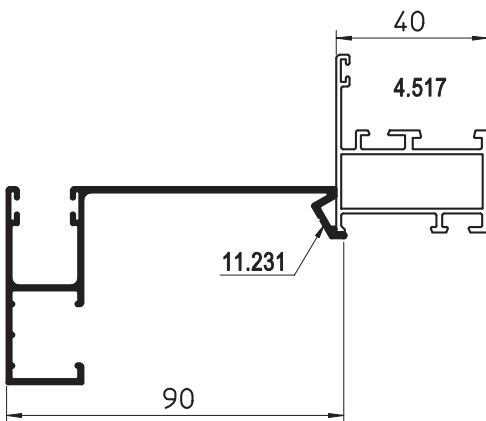
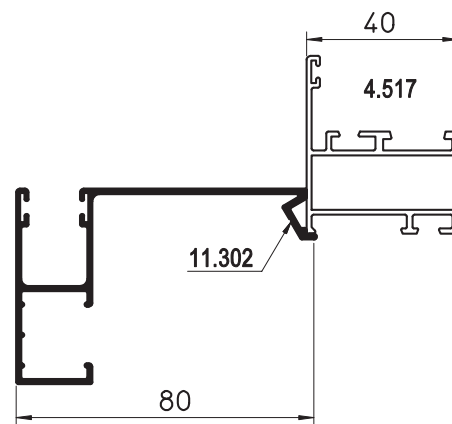
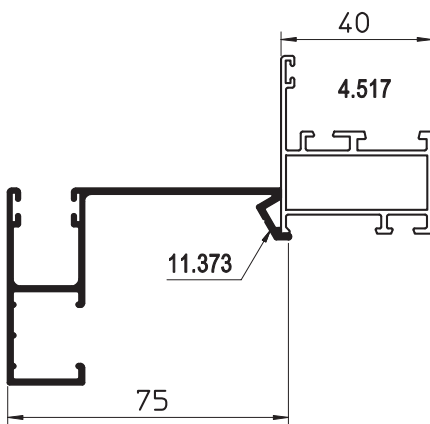
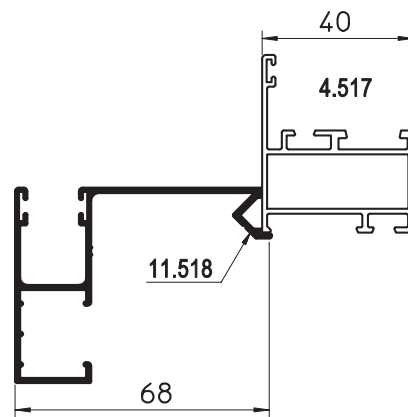
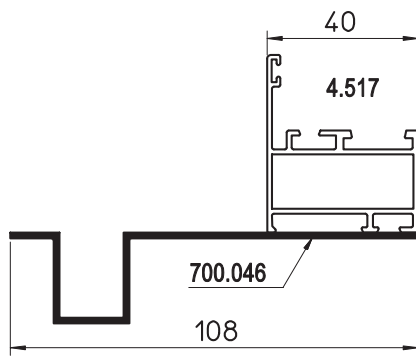






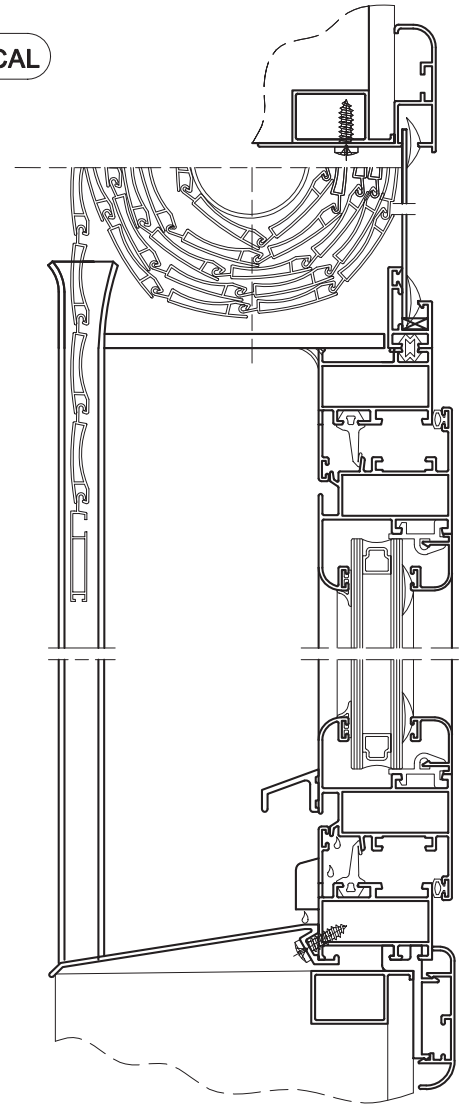
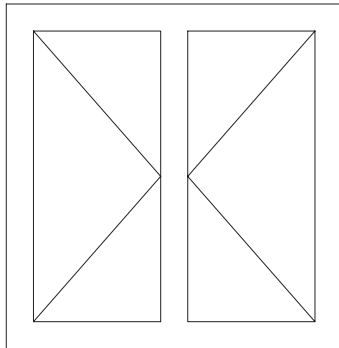




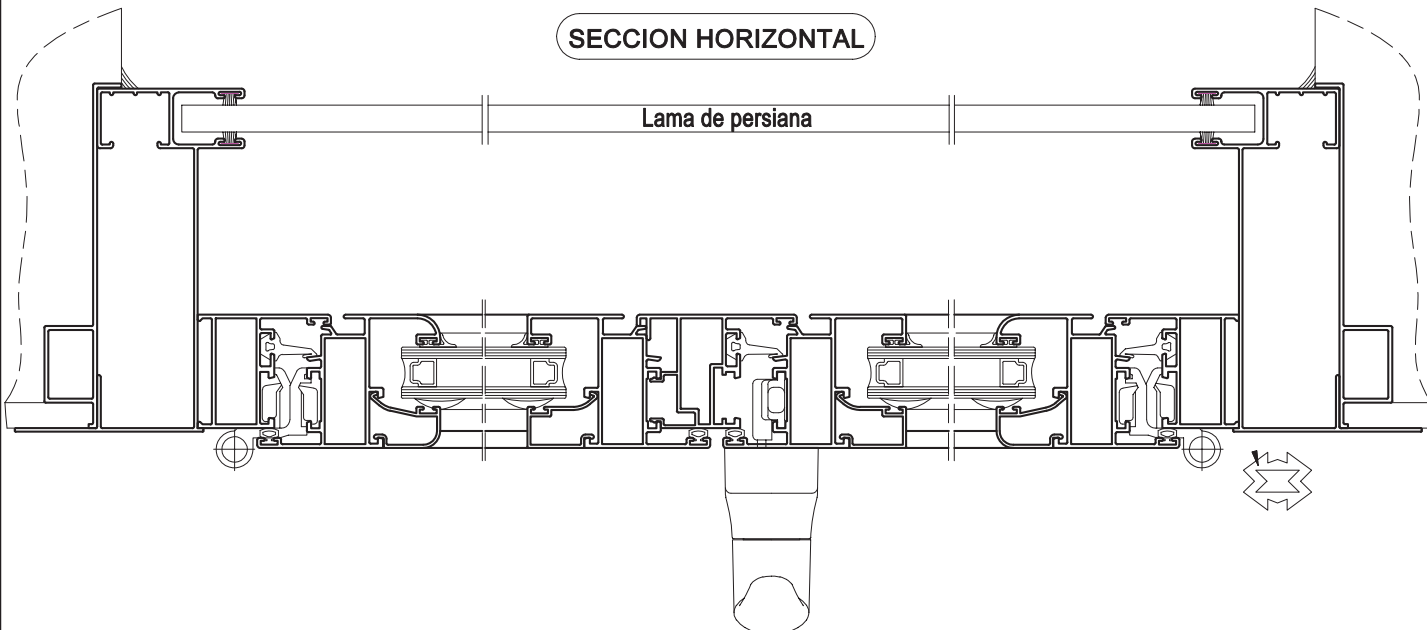


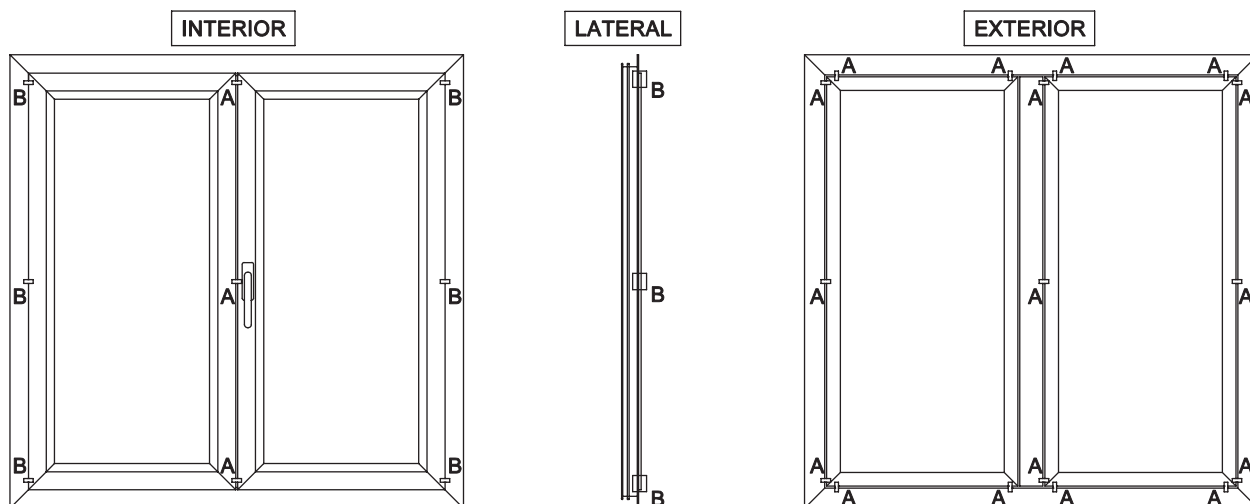
CUADRO DE ELEMENTOS DE PERSIANA

SECCION VERTICAL



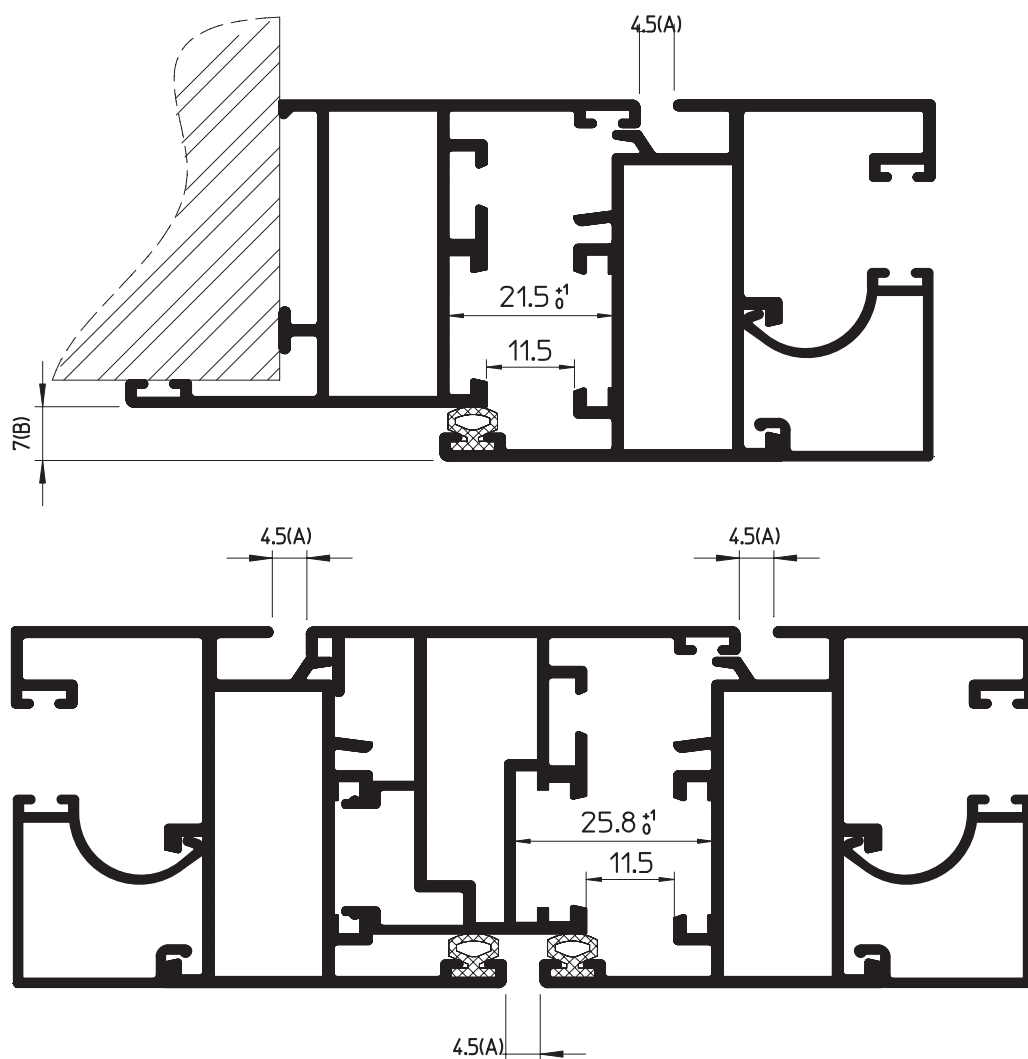
SECCION HORIZONTAL





Cotas a controlar marcadas con (A) 4.5 ± 0.5 mm

Cotas a controlar marcadas con (B) $7 + 0.8$ mm, -0.5 mm



Tolerancia en cotas marcadas con (A) ± 0.5 mm

Tolerancia en cotas marcadas con (B) $+0.8$ mm, -0.5 mm