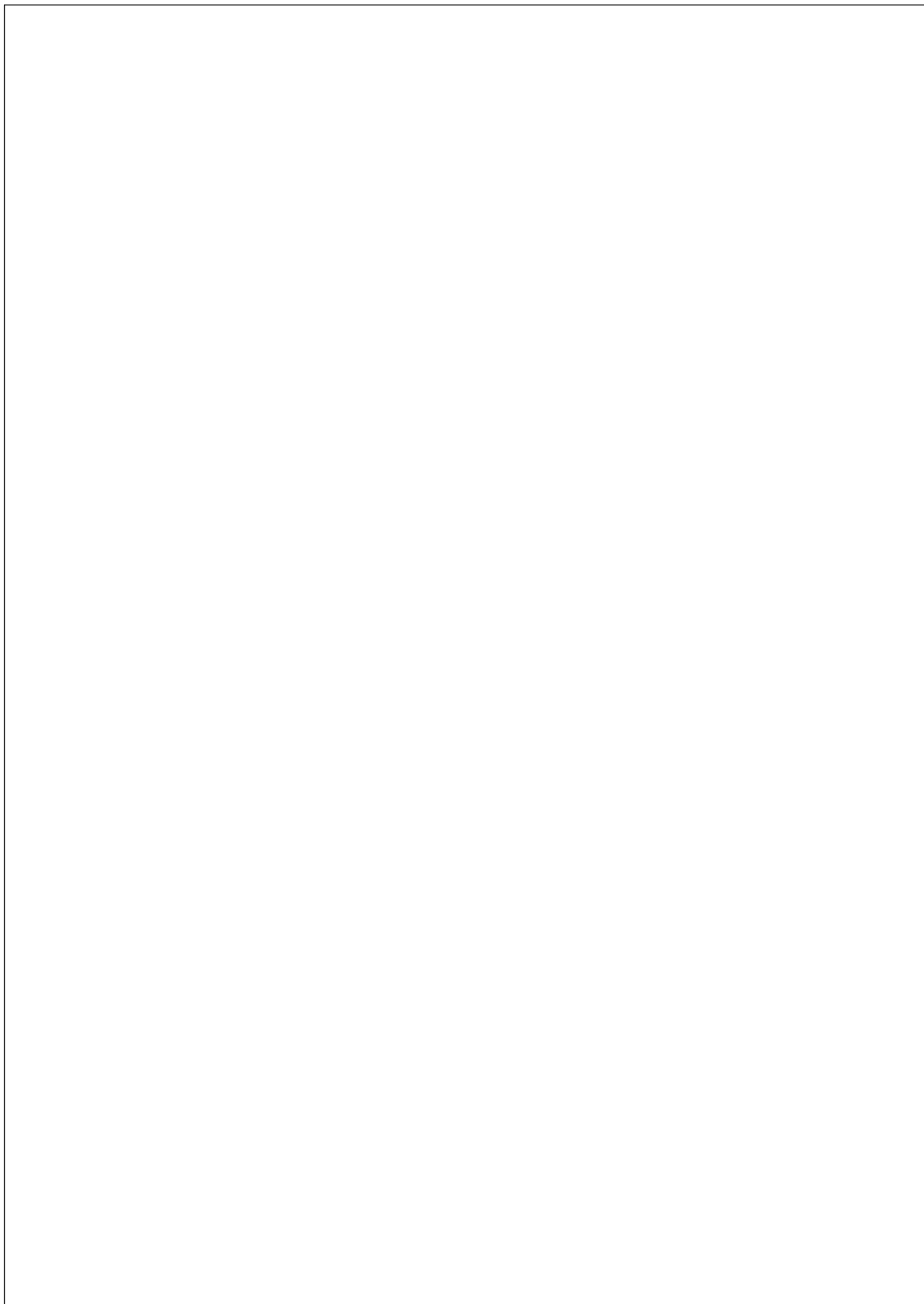


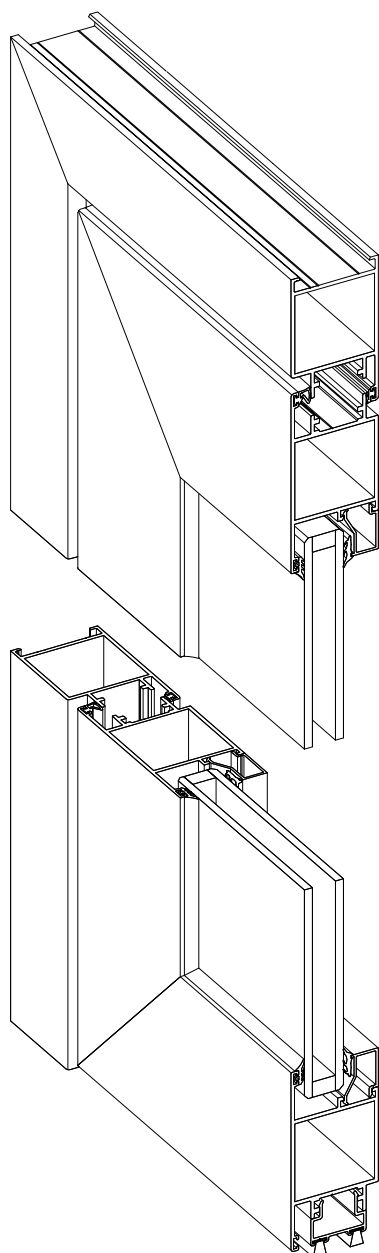


serie 45

EXTRUAL

sistemas ■ ■ ■





Sistema de Puerta diseñada especialmente para entradas de tráficos medios e intensivos.

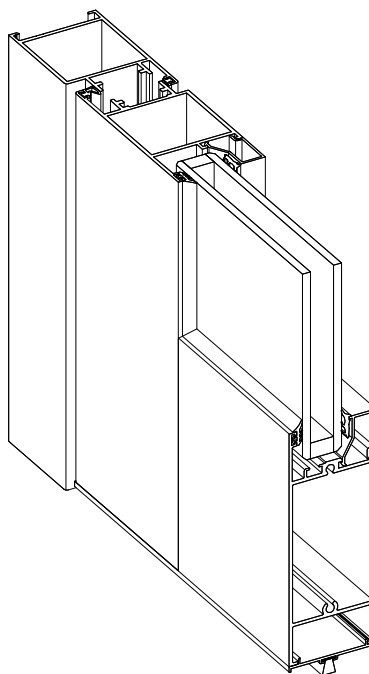
Marcos y hojas de 45mm coplanares al interior y al exterior.

Posibilidad de cualquier tipo de apertura en 1 ó 2 hojas; al interior, al exterior y de vaiven, con cierrapuertas exteriores o empotrados a suelo. Se integra con el Sistema E-22, con el que comparte toda su gama de perfiles complementarios, para la realización de multiples composiciones con paños fijos, ventanas, parteluces...

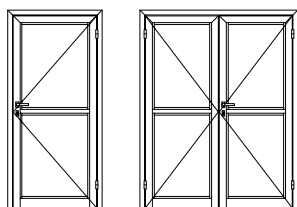
Amplia gama de cerraduras de 1 y 3 puntos de cierre, antipánicos, tiradores y pasadores para hojas pasivas.

Estanqueidad por juntas de EPDM interior y exterior y felpudos de polypropileno para la parte baja con piezas de continuidad especialmente diseñadas para conseguir un cierre total en todo su perímetro, se utilice o no marco inferior.

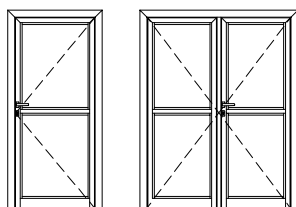
Acristalamientos de hasta 32mm. Junta de acristalamiento exterior de EPDM con hilo de alta tenacidad en su interior que permite su montaje de forma perimetral sin cortes en los ángulos, e interiores tipo "cuña" de EPDM precortadas que facilitan su montaje perimetral sin necesidad de hacer cortes en los ángulos.



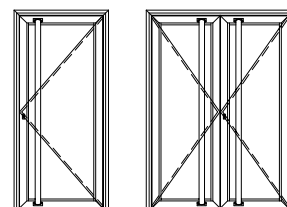
PUERTAS DE APERTURA INTERIOR DE 1 ó 2 HOJAS



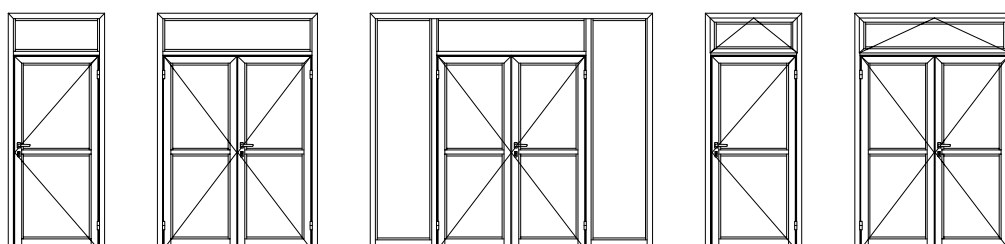
PUERTAS DE APERTURA EXTERIOR DE 1 ó 2 HOJAS



PUERTAS DE APERTURA VAIVEN DE 1 ó 2 HOJAS



MULTIPLES COMPOSICIONES



Perfilería extruida en aluminio de primera fusión en aleación 6063, tratamiento térmico T5, según normas EN 515, EN 573-3 y EN 755-2, bajo certificación ISO 9001. Las tolerancias dimensionales y de espesor se ajustan a la norma UNE-EN 12020-2

Protección superficial; Lacado con garantía QUALICOAT-SEASIDE con un espesor mínimo de 60 micras, o Anodizado con un espesor mínimo de 15 micras con garantía QUALANOD (EWAA-EURAS)

Los herrajes han sido diseñados o seleccionados por EXTRUAL, a través de los distintos ensayos realizados aseguran la calidad del producto final.

La estanqueidad esta garantizada por sistema de doble junta, facilmente sustituibles según norma UNE-EN 14351-1:2006, fabricadas en EPDM conforme a la norma EN 12365.

Las dimensiones de corte indicadas en este catálogo son teóricas, y pueden verse afectadas minimamente por las tolerancias de extrusión de los perfiles o por los tratamientos de lacado y anodizado, asi mismo deben ser adaptadas a la precisión de las máquinas de corte de cada taller, por lo que es aconsejable fabricar una muestra para su control dimensional.

Es fundamental realizar las salidas de evacuación de agua en marcos y cámaras de acristalamiento, colocar vierteaguas en las hojas y sellar correctamente los cortes e ingletes de perfiles y juntas para evitar infiltraciones.

Sólo se garantiza el correcto funcionamiento del sistema si se han utilizado los perfiles y accesorios propios del mismo recogidos en este catálogo o en su caso recomendados por EXTRUAL.

Los momentos de inercia de los perfiles compuestos RPT son teóricos y orientativos y corresponden a los momentos de la sección equivalente de aluminio, estan calculados respecto a los ejes X-Y con origen en el centro de gravedad de la sección transversal del perfil.

Las dimensiones máximas de los cerramientos, su fabricación, acristalamiento y puesta en obra de los productos construidos con los sistemas EXTRUAL deben cumplir la Normativa UNE e Instrucciones Técnicas vigentes.

Todos los perfiles y accesorios que aparecen en este catálogo son propios de EXTRUAL, no pudiendo ser copiados o modificados sin autorización.

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COEFICIENTES DE TRANSMISION TERMICA $U_H(W/m^2K)$ Según CTE (Feb. 2015) y UNE-EN 10077-1

$U_{H,V}$	PUERTA 1 HOJA		PUERTA 2 HOJAS				
	2,00m ²	2,50m ²	2,50m ²	3,00m ²	3,50m ²	4,00m ²	5,00m ²
1,1	3,1	2,8	3,5	3,2	3,0	2,8	2,7
1,2	3,2	2,9	3,5	3,2	3,1	2,9	2,8
1,3	3,2	3,0	3,6	3,3	3,2	3,0	2,8
1,4	3,3	3,0	3,6	3,4	3,2	3,0	2,9
1,5	3,3	3,1	3,7	3,4	3,3	3,1	3,0
1,6	3,4	3,2	3,7	3,5	3,3	3,2	3,0
1,7	3,4	3,2	3,8	3,5	3,4	3,2	3,1
1,8	3,5	3,3	3,8	3,6	3,5	3,3	3,2
1,9	3,6	3,4	3,9	3,6	3,5	3,4	3,2
2,0	3,6	3,4	3,9	3,7	3,6	3,4	3,3
2,1	3,7	3,5	4,0	3,8	3,6	3,5	3,4
2,2	3,7	3,6	4,0	3,8	3,7	3,6	3,4
2,3	3,8	3,6	4,1	3,9	3,8	3,6	3,5
2,4	3,9	3,7	4,1	3,9	3,8	3,7	3,6
2,5	3,9	3,7	4,2	4,0	3,9	3,7	3,6
2,6	4,0	3,8	4,2	4,0	3,9	3,8	3,7
2,7	4,0	3,8	4,2	4,0	3,9	3,8	3,7
2,8	4,0	3,9	4,3	4,1	4,0	3,9	3,8
2,9	4,1	3,9	4,3	4,1	4,1	3,9	3,8
3,3	4,3	4,2	4,5	4,4	4,3	4,2	4,1

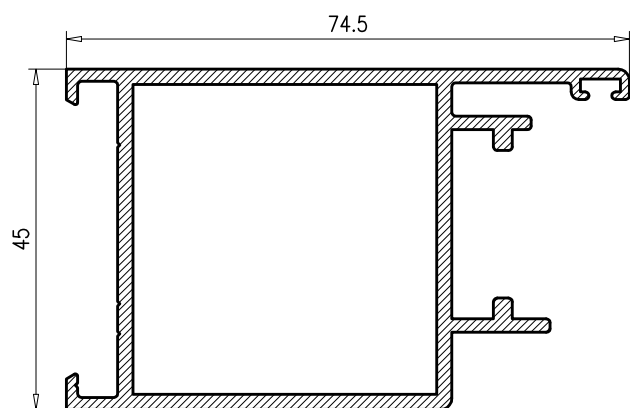
U_H Coeficiente de Transmisión Térmica de la ventana completa ($W/m^2 K$)

$U_{H,V}$ Coeficiente de Transmisión Térmica del vidrio ($W/m^2 K$)

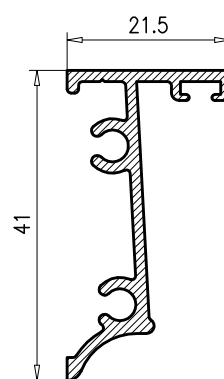
El Coeficiente de Transmisión Térmica es el flujo de calor (W) dividido por la superficie (m^2) y por la diferencia de temperatura (K) a cada lado de la puerta.

REFERENCIA	DENOMINACION	DISEÑO	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	REFERENCIA	DENOMINACION	DISEÑO	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
1.749	Tubo $\varnothing 50$		6.72	6.72	6.180	Junquillo Curvo clip C-25			
2.797	Premarco de Obra 36mm				6.181	Junquillo Redondo clip C-13			
3.354	Marco Ventana		8.34	4.14	6.182	Junquillo Redondo clip C-25			
3.358	Junquillo Recto C-10				7.056	Marco Ventana con solape 25mm		10.25	7.66
3.360	Junquillo Recto C-19				7.057	Esquinero 45°		3.95	2.29
3.491	Marco Puerta 63mm		10.01	9.26	7.058	Esquinero 90°		8.99	9.00
3.494	Solape clipado 40mm				7.059	Unión de marcos reforzada		58.48	5.15
3.558	Pilastra Ventana autorroscada		8.87	7.05	7.060	Unión de marcos			
3.686	Pletina Falleba				7.569	Pilastra puerta autorroscada		10.86	14.61
3.916	Pilastra Zócalo		16.50	57.29	7.992	Panelado 12mm		0.87	44.87
4.145	Hoja Ventana		12.80	7.76	8.425	Tapeta refuerzo pilastra		0.11	1.74
4.525	Unión de marcos				8.426	refuerzo pilastra		14.95	13.26
4.750	Esquinero regulable				8.431	Portafelpudos inferior			
5.070	Junquillo Curvo grapa C-13				8.465	Marco Puerta 75mm		13.33	18.64
5.071	Junquillo Curvo grapa C-25				8.466	Pilastra reforzada		92.77	40.84
5.728	Tapeta				8.480	MARCO		14.60	21.29
6.070	Solape clipado 30mm				8.481	HOJA		16.31	27.84
5.612	Junquillo Redondo grapa C-13				8.482	HOJA APERTURA EXTERIOR		15.82	27.84
5.613	Junquillo Redondo grapa C-25				8.483	INVERSOR		4.76	2.63
6.179	Junquillo Curvo clip C-13				8.484	ACOPLE MARCO		3.72	1.08

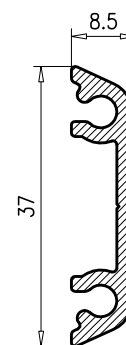
REFERENCIA	DENOMINACION	DISEÑO	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	REFERENCIA	DENOMINACION	DISEÑO	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
8.485	ACOPLE MARCO APERTURA EXTERIOR		6.33	3.81	9.484	Panelado 8.5mm			
8.486	MARCO INFERIOR		0.30	2.59	9.619	Vierteaguas Hoja			
8.487	MARCO INFERIOR		0.07	1.63	9.624	Pefuerzo Pilastra 50		8.07	11.31
8.489	MARCO VAIVEN		3.51	0.64	9.771	Solape clipado 40mm			
8.490	ACOPLE HOJA VAIVEN		4.16	0.31	10.056	Marco 48.5mm		8.78	4.62
8.491	Solape 25mm				10.115	Juquillo Redondo grapa C-28			
8.493	ZOCALO INFERIOR		21.03	74.05	10.116	Juquillo Redondo clip C-28			
8.512	PORTAFELPUDOS ZOCALO INFERIOR		1.30	0.006	10.252	Juquillo Recto C-28			
8.564	Panelado 20mm		2.41	34.70	10.815	Junquillo Curvo grapa C-10			
8.570	PORTAFELPUDOS HOJA INFERIOR		1.17	0.43	11.139	Junquillo Recto C-31			
8.611	HOJA VAIVEN		13.48	20.04	12.207	Junquillo Recto C-35.5			
9.007	Junquillo Curvo grapa C-19								
9.008	Junquillo Curvo clip C-19								
9.009	Junquillo Redondo grapa C-19								
9.010	Junquillo Redondo clip C-19								
9.025	Junquillo Recto C-13								
9.026	Junquillo Recto C-25								
9.027	Junquillo Curvo grapa C-31								
9.028	Junquillo Curvo clip C-31								
9.213	Premarco de Obra 36mm								



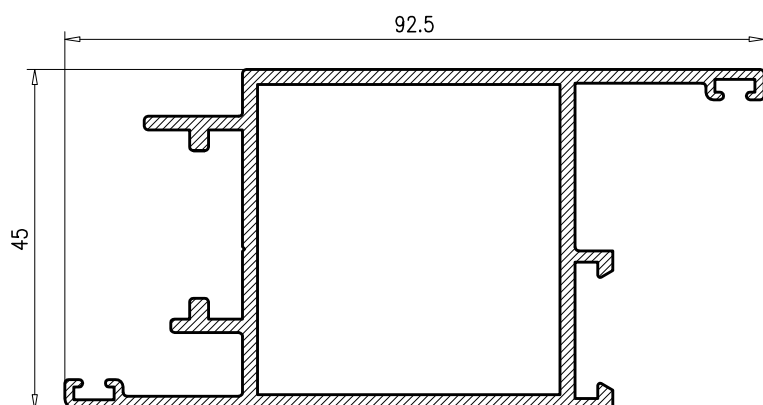
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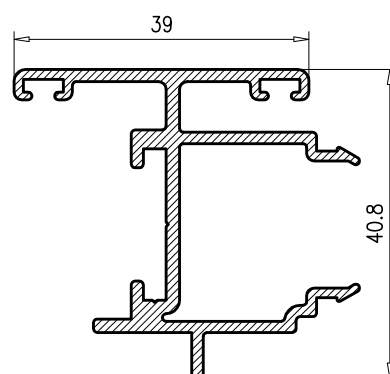
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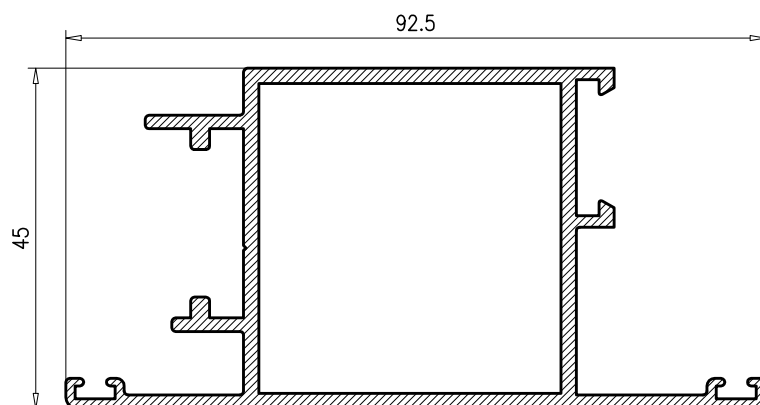
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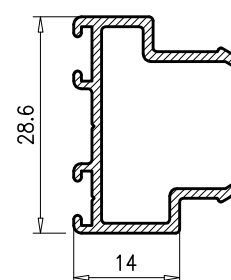
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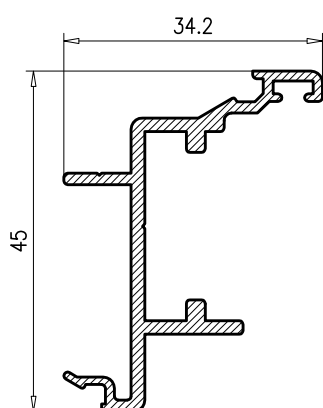
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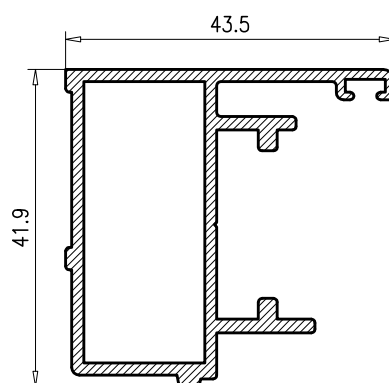
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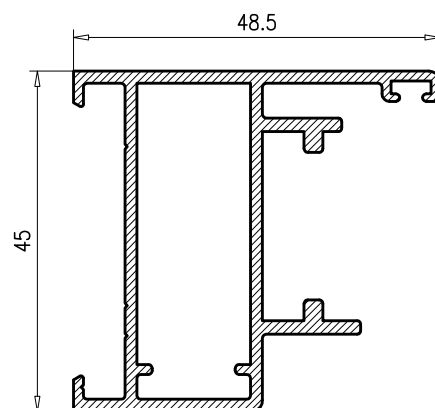
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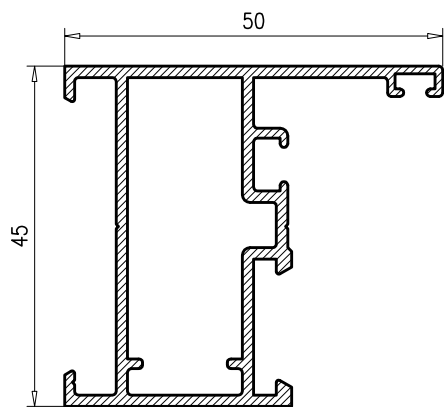
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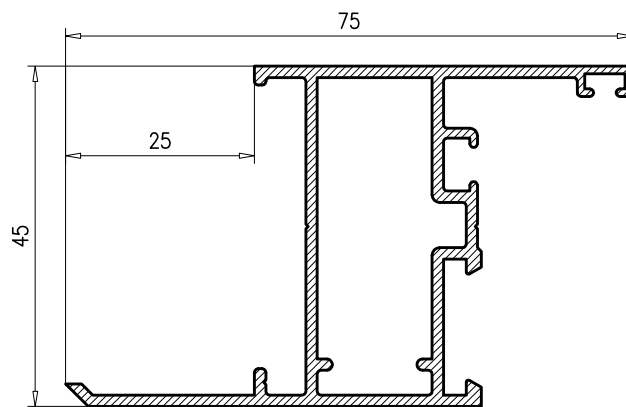
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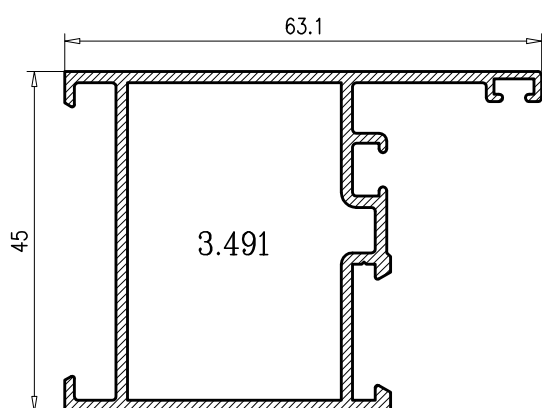
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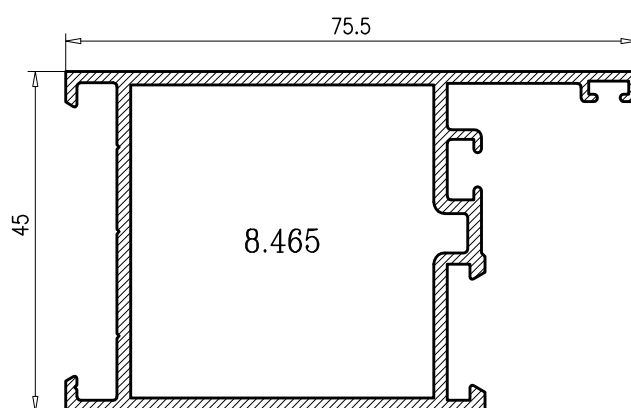
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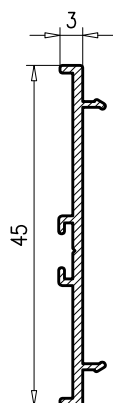
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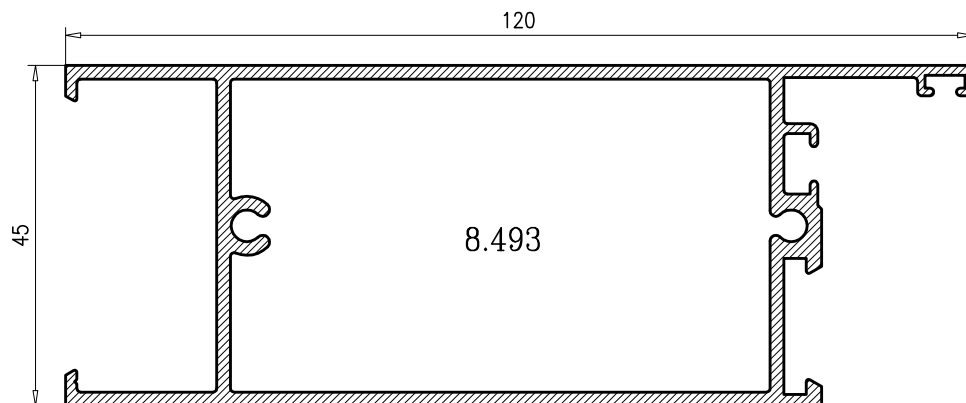
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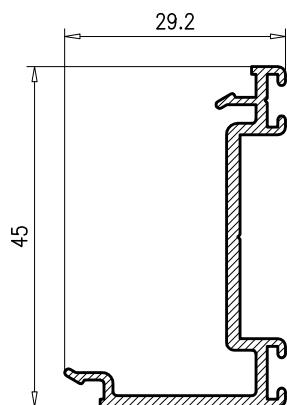
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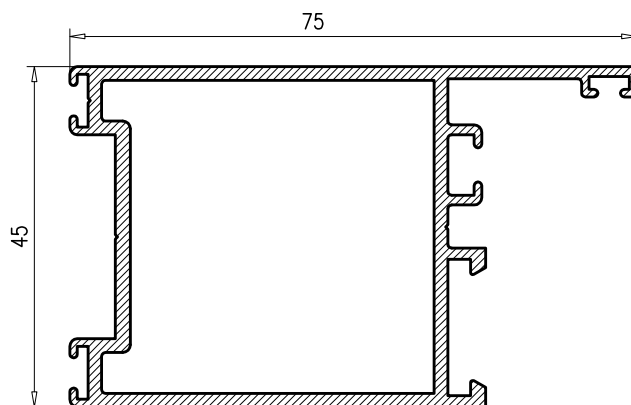
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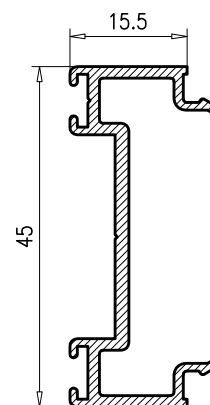
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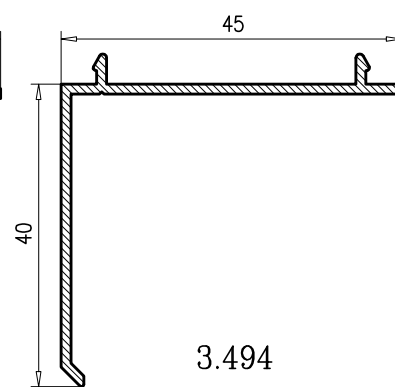
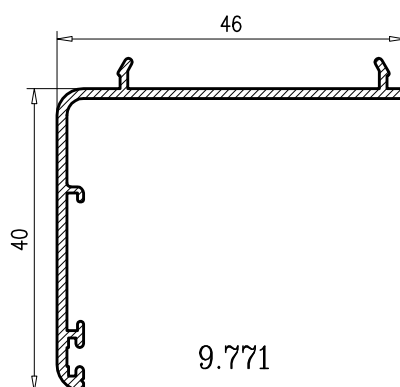
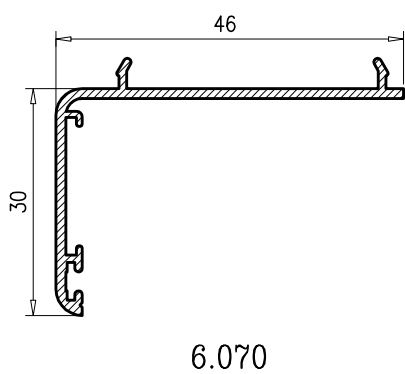
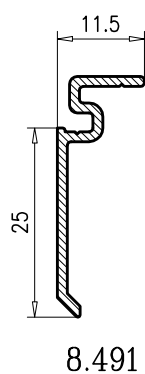
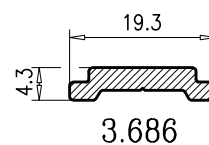
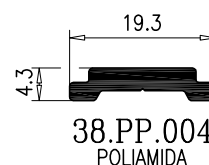
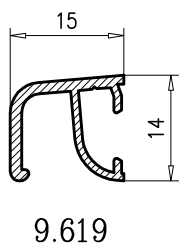
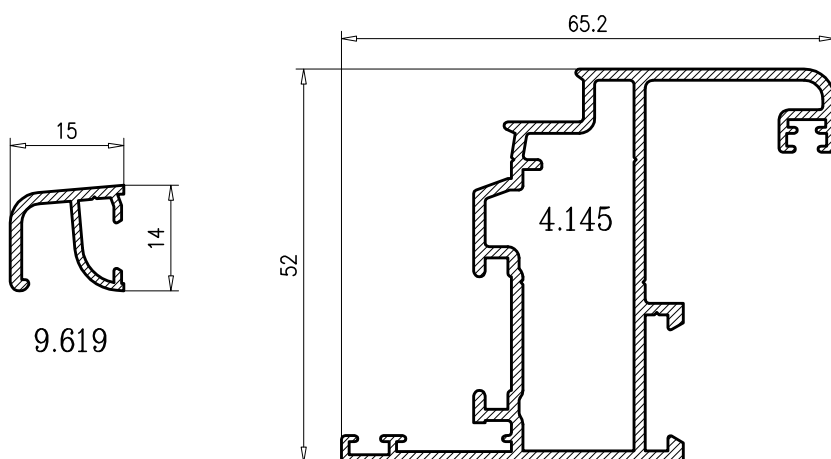
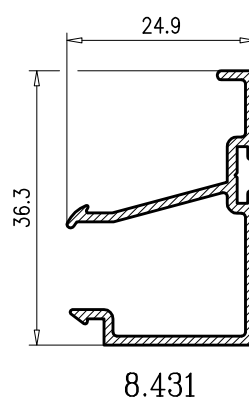
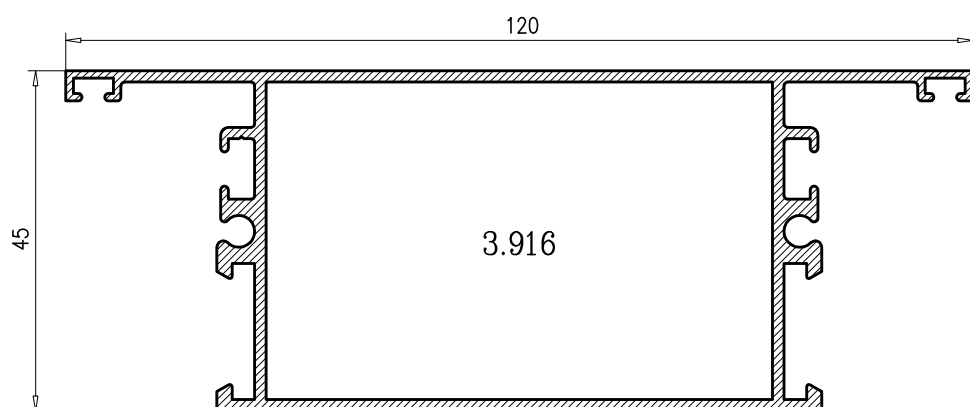
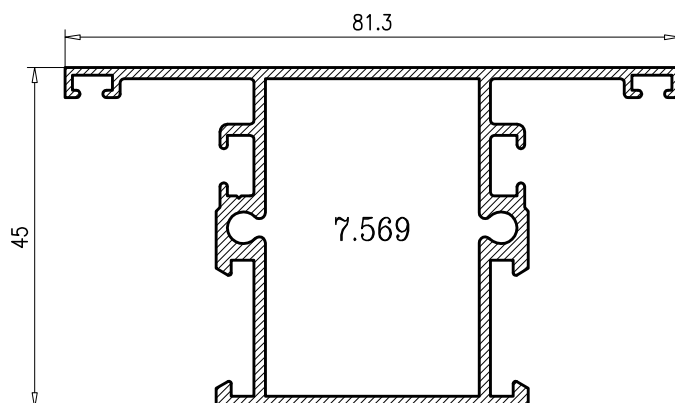
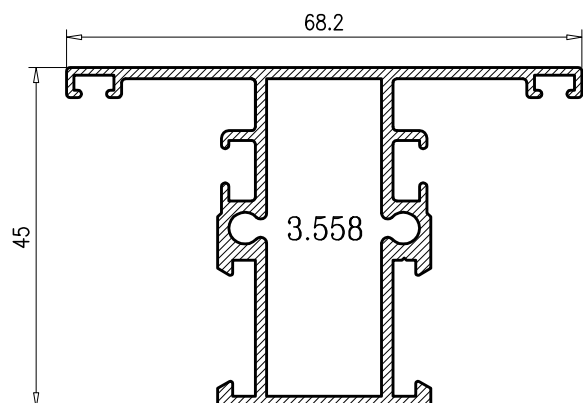
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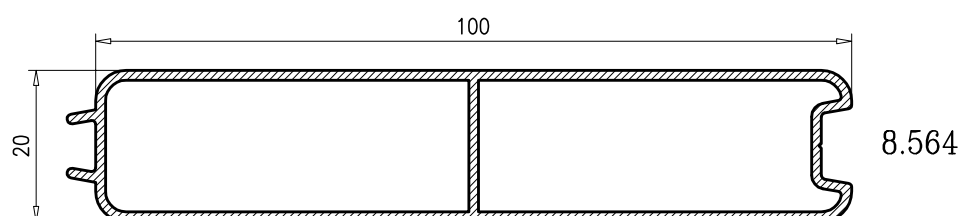
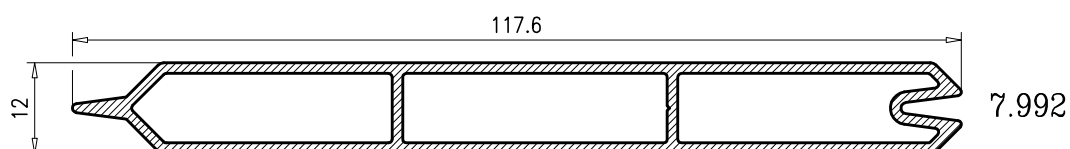
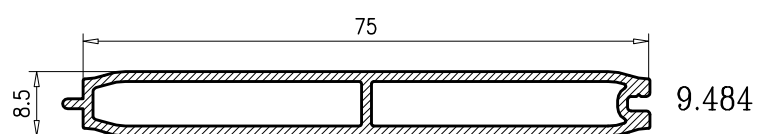
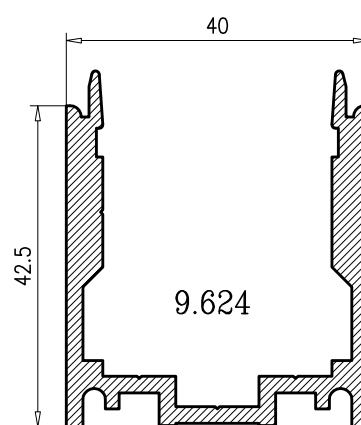
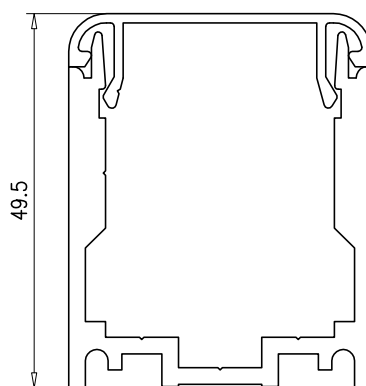
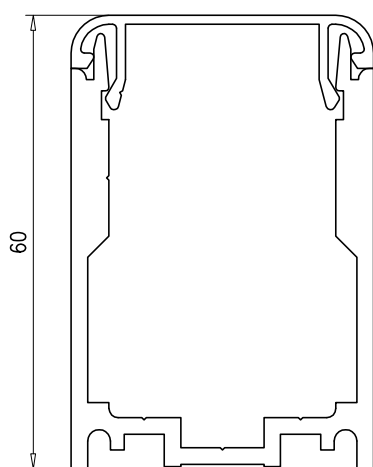
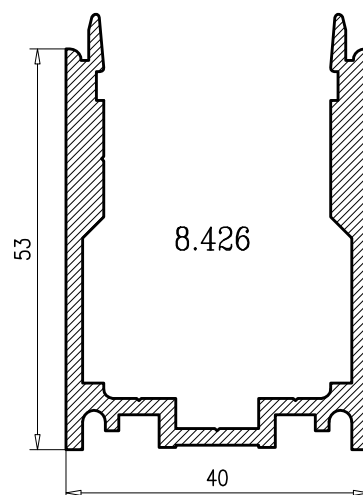
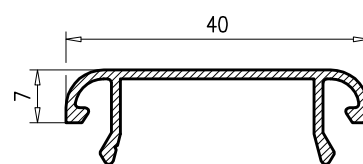
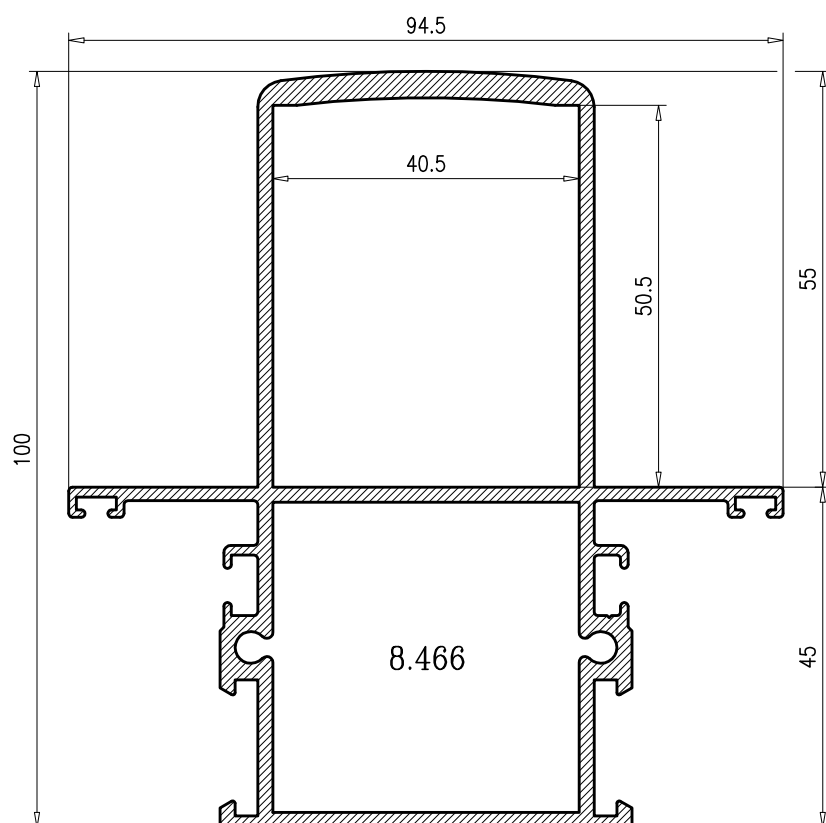


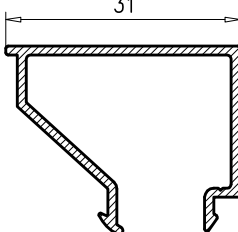
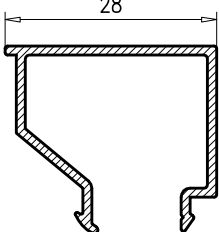
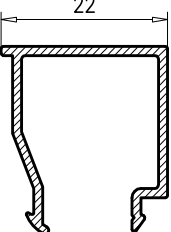
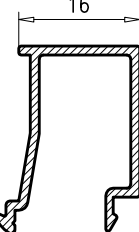
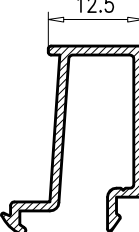
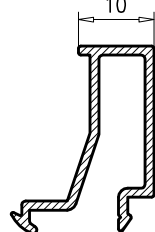
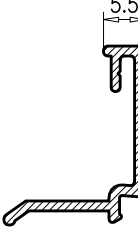
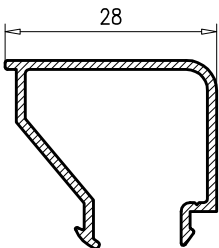
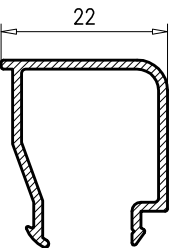
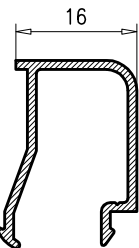
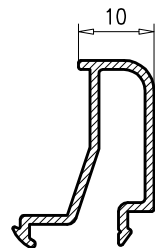
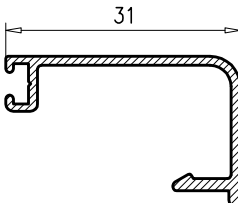
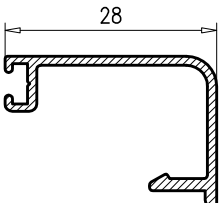
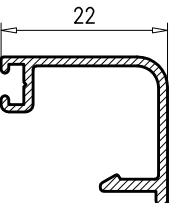
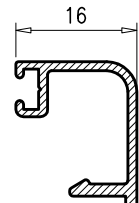
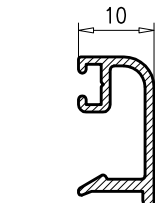
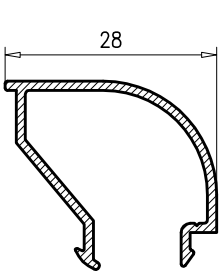
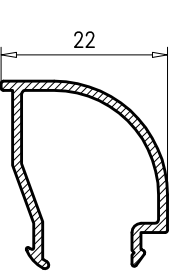
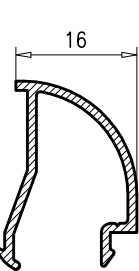
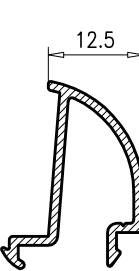
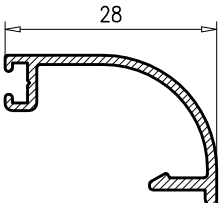
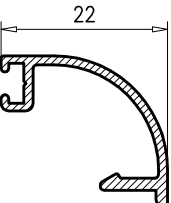
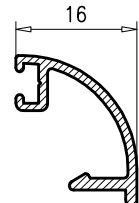
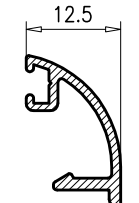
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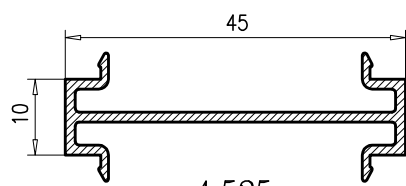


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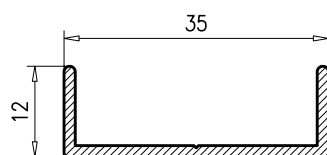




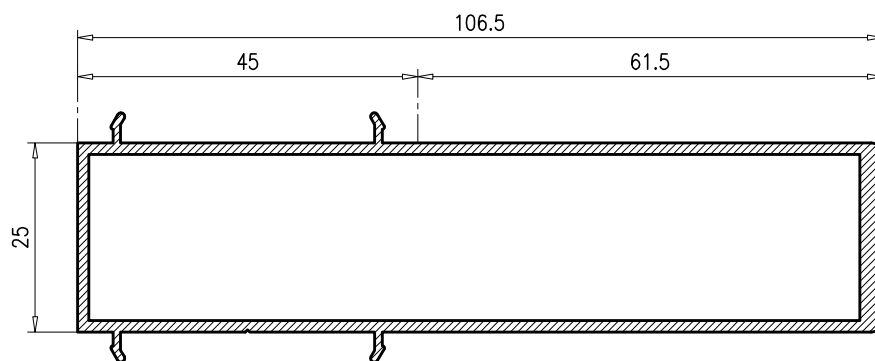
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 31 10.815	 28 5.070	 22 9.007	 16 5.071		 10 9.027	
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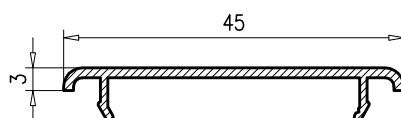
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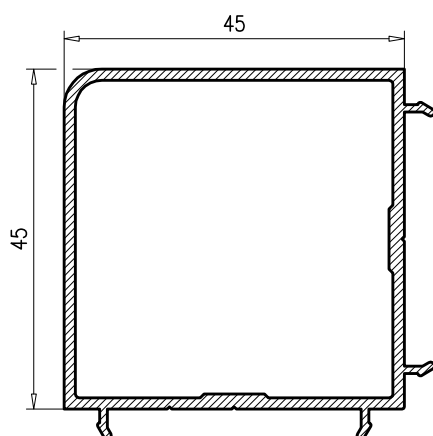
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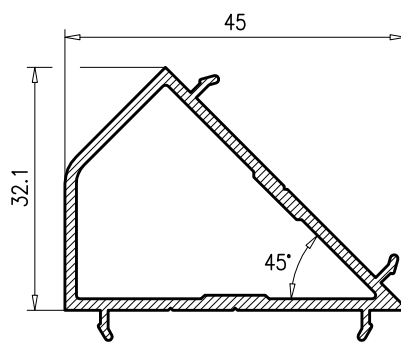
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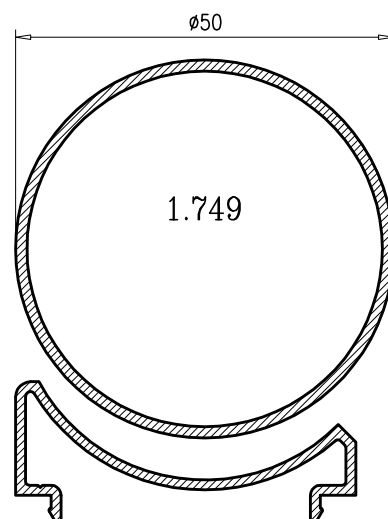
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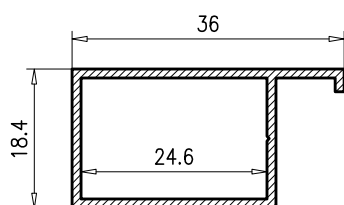
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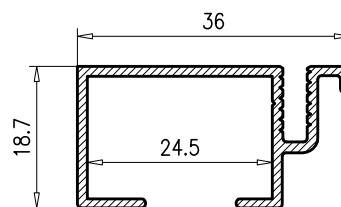
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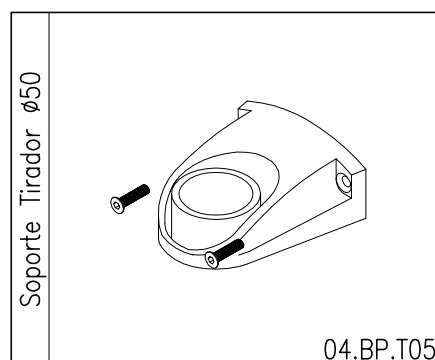
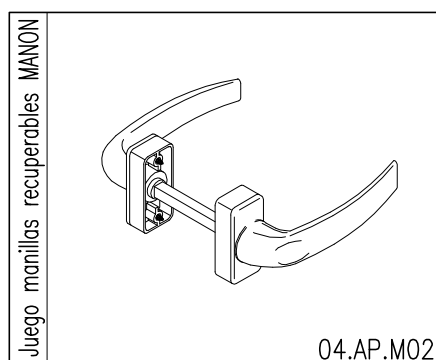
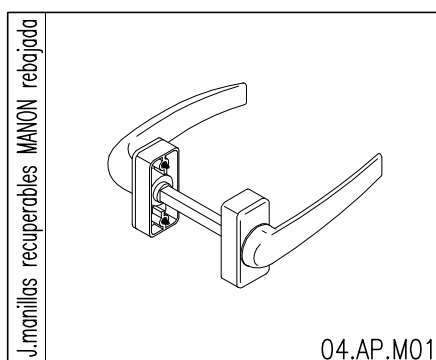
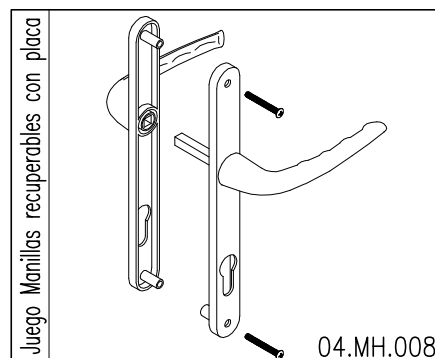
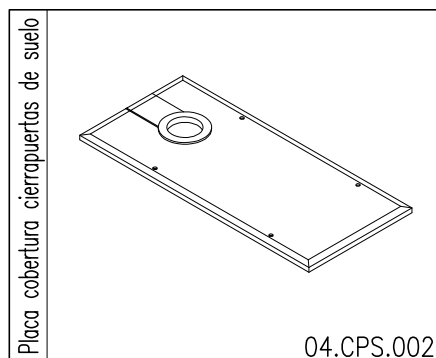
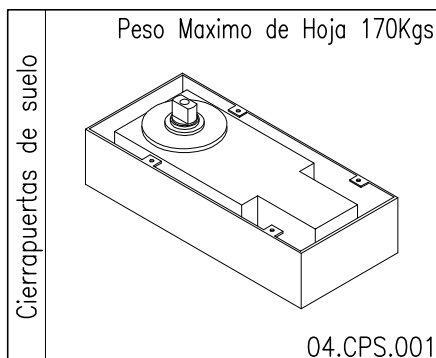
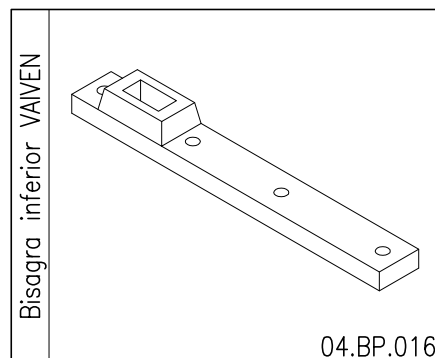
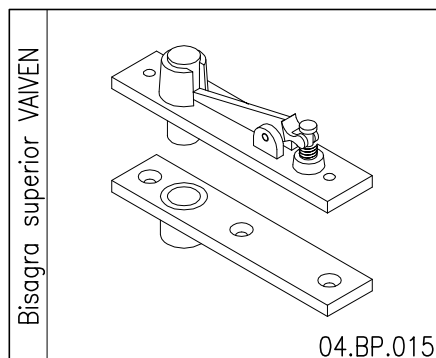
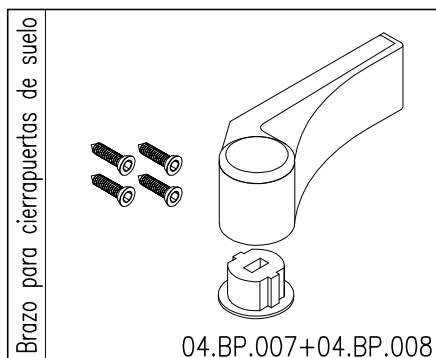
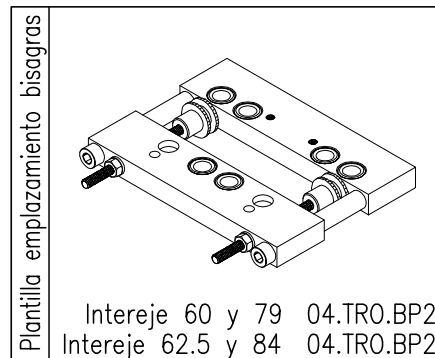
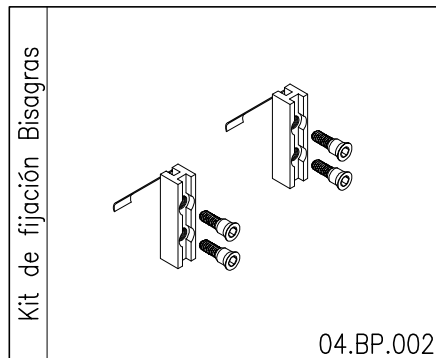
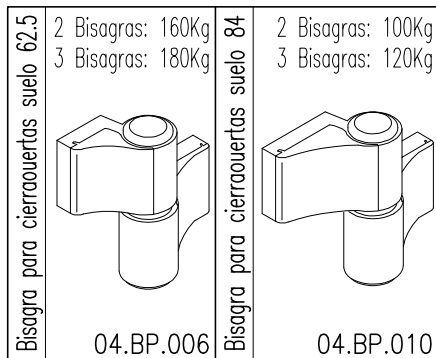
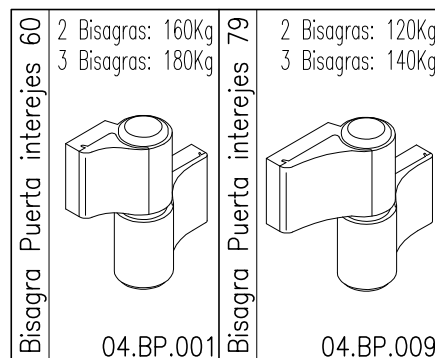
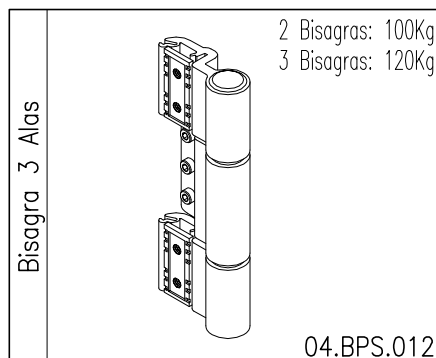
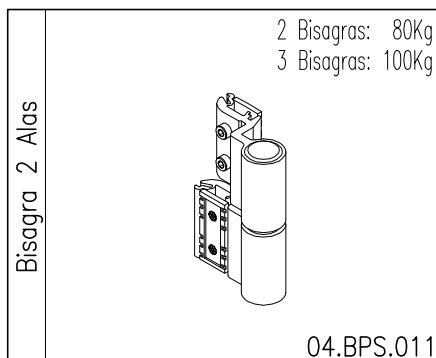
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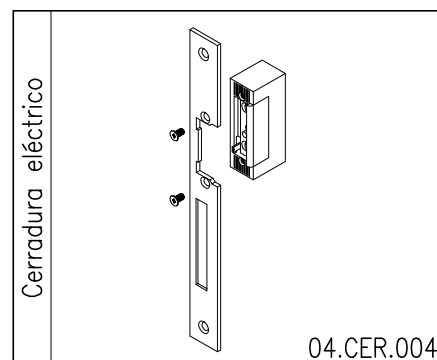
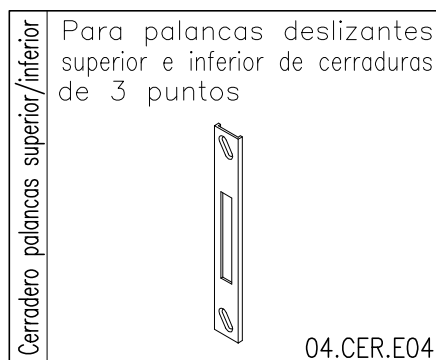
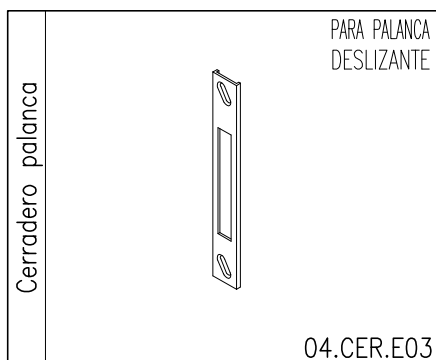
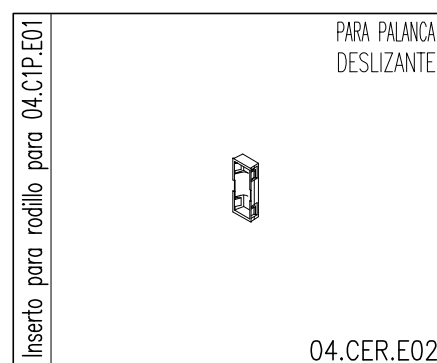
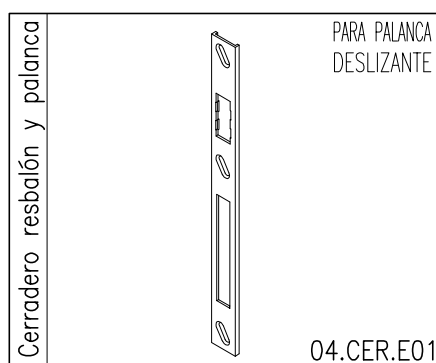
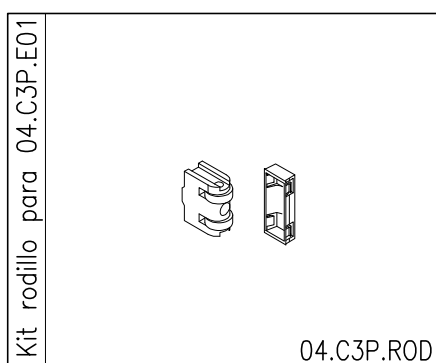
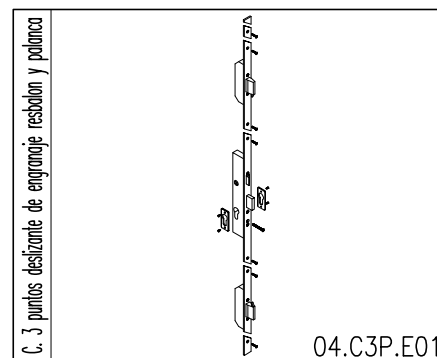
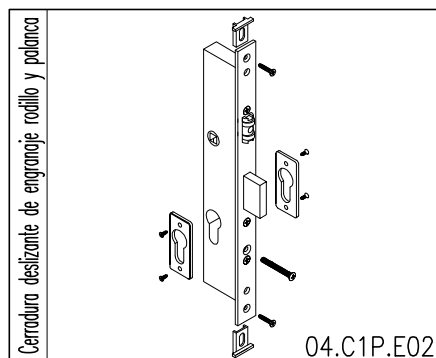
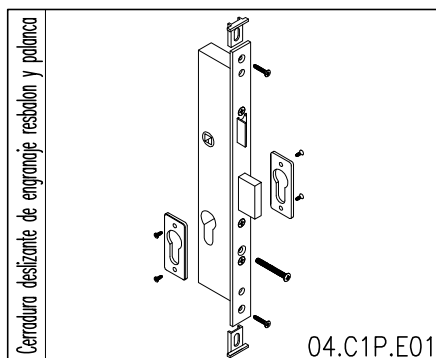
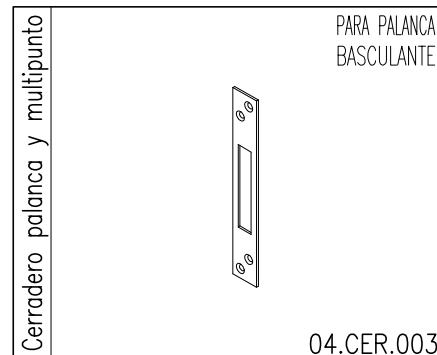
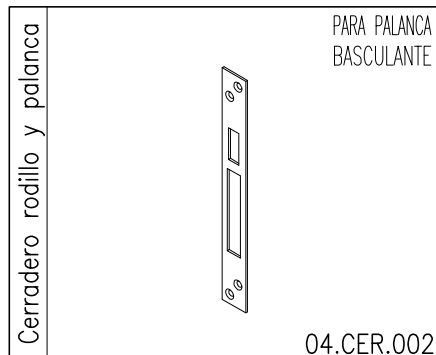
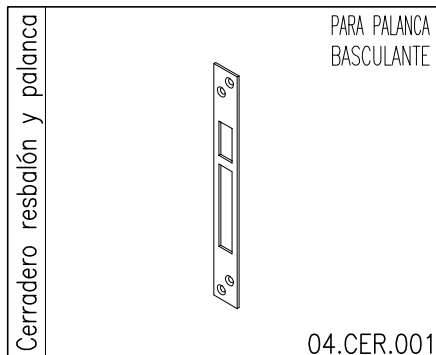
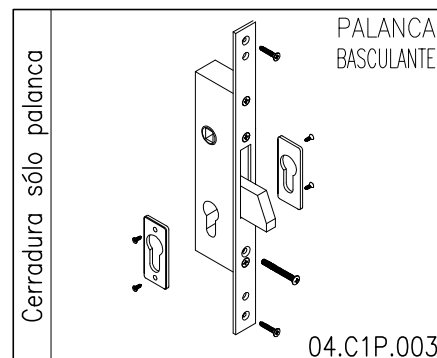
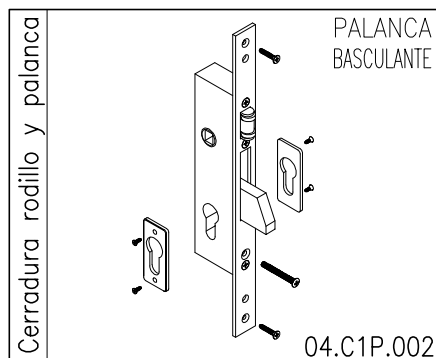
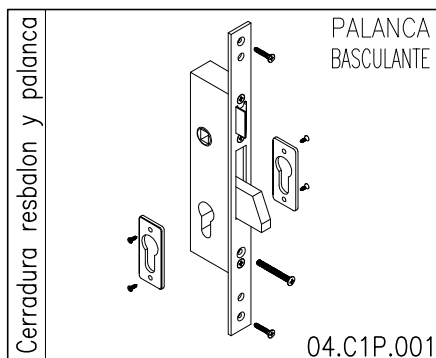


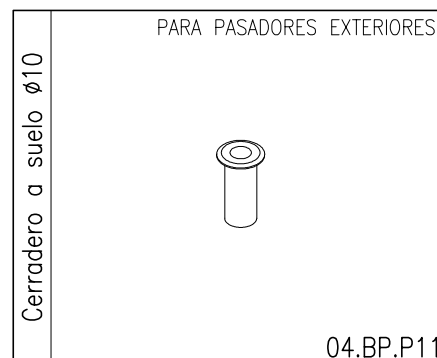
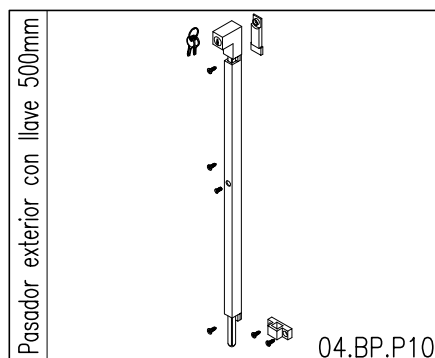
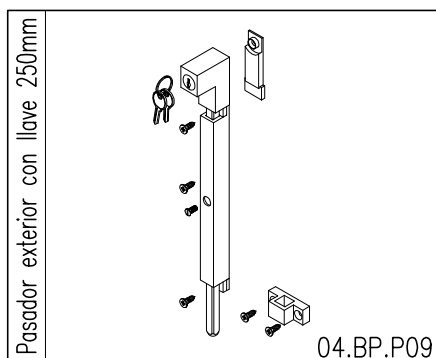
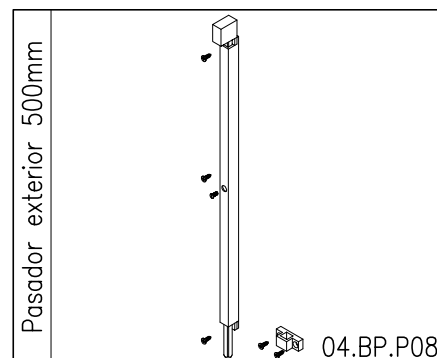
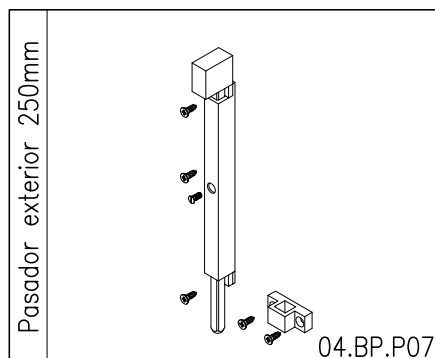
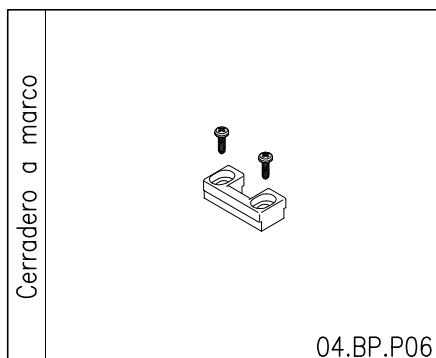
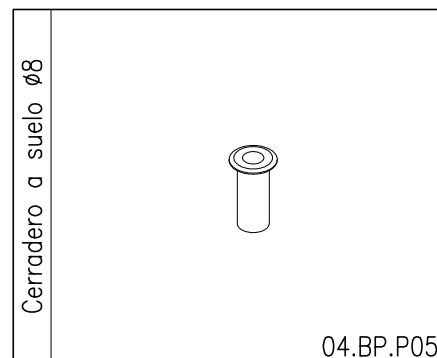
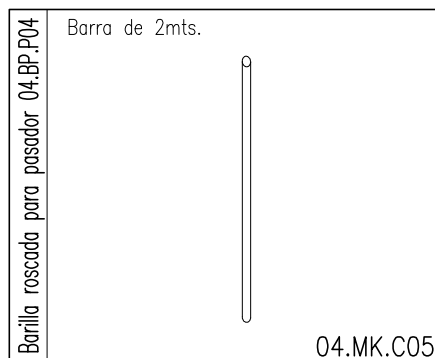
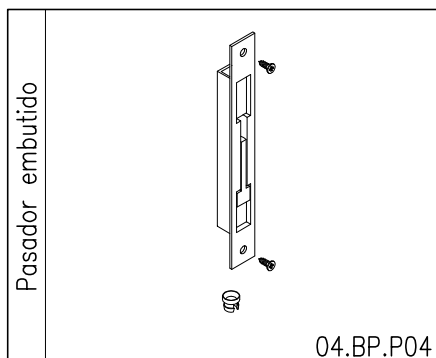
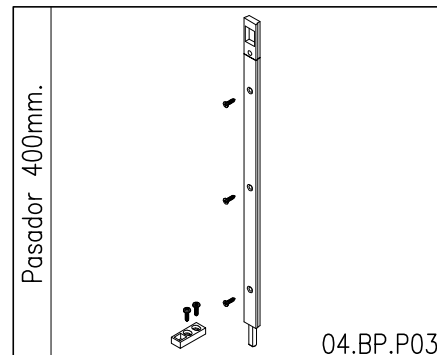
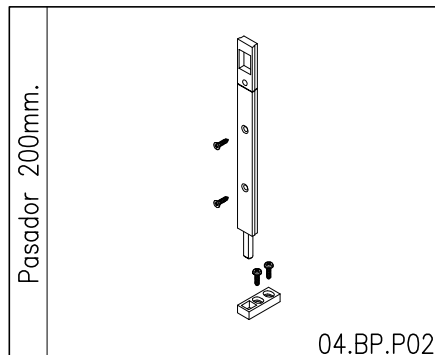
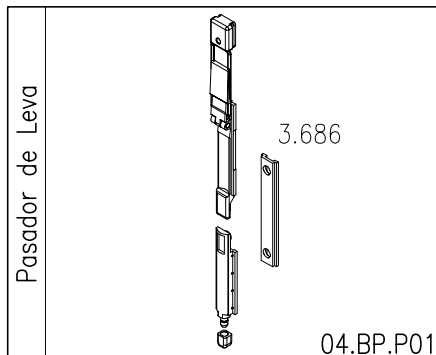
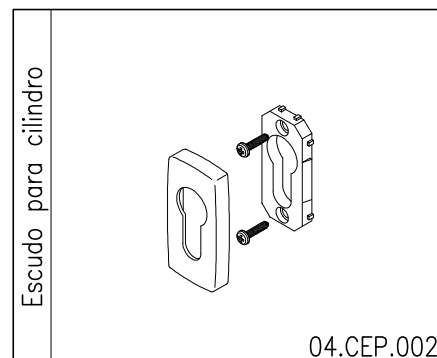
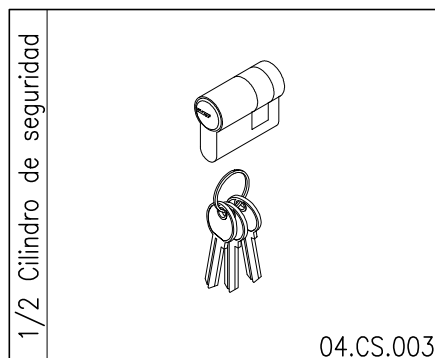
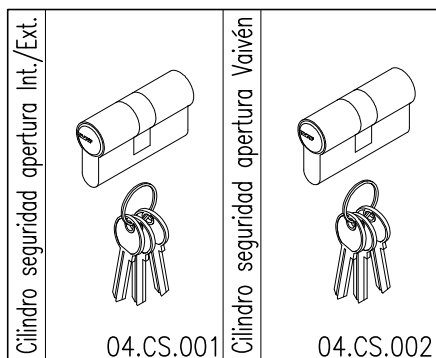
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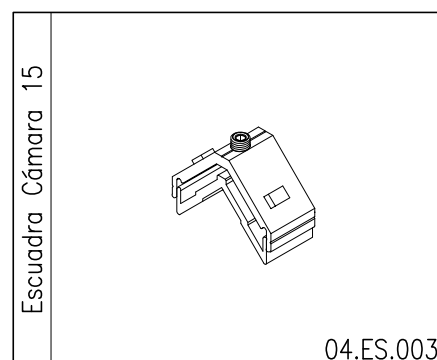
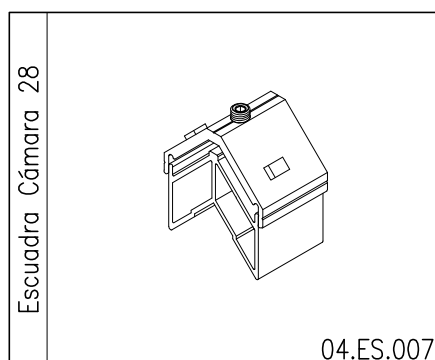
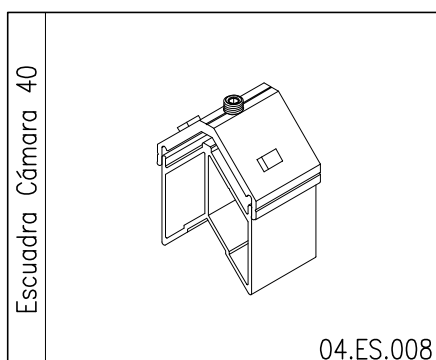
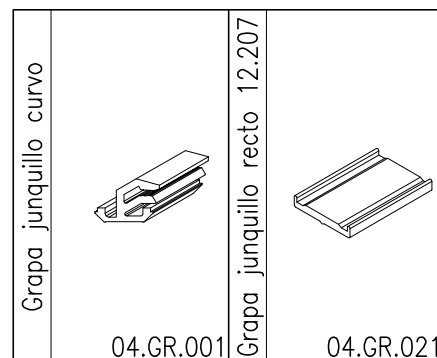
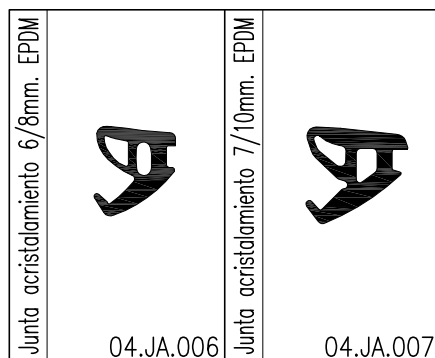
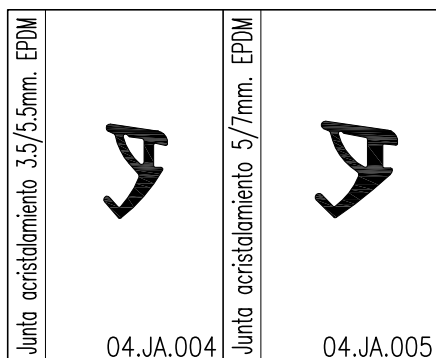
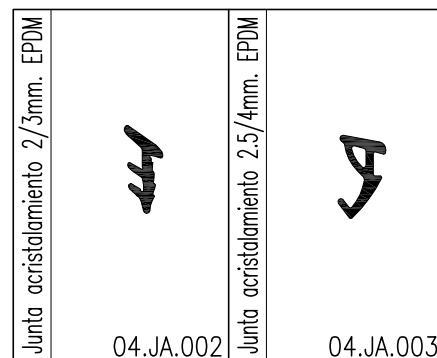
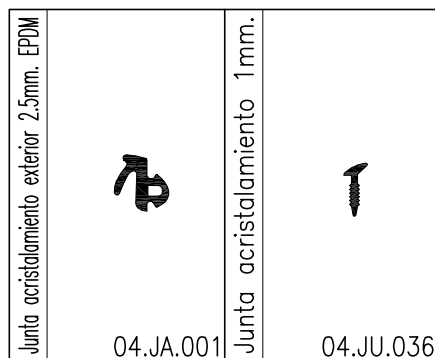
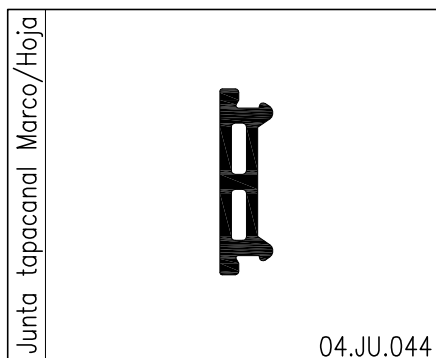
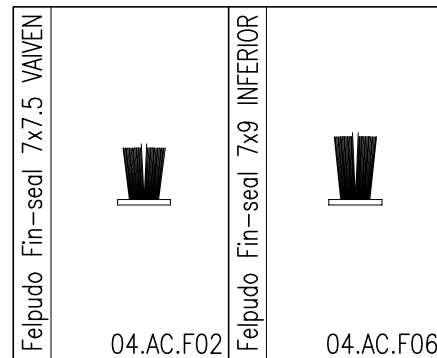
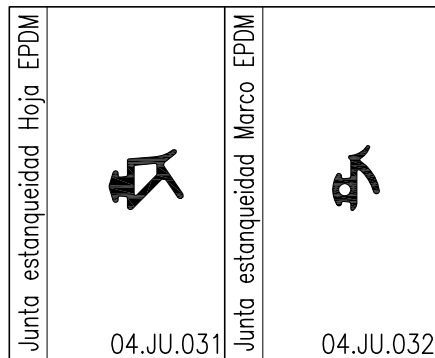
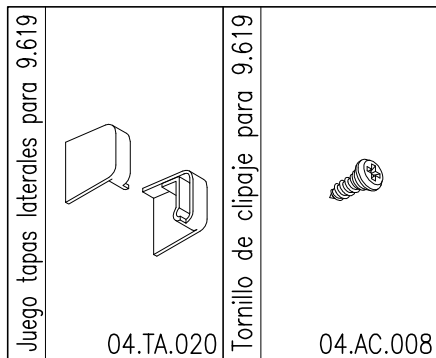
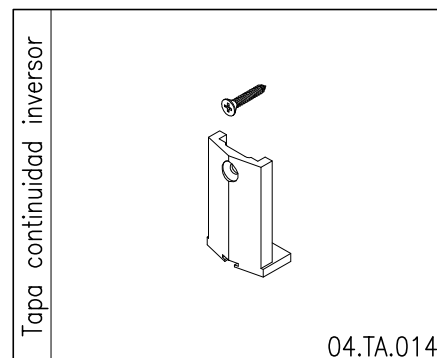
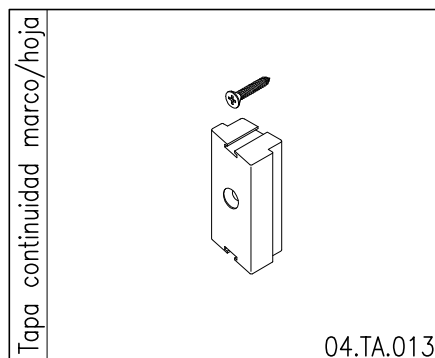
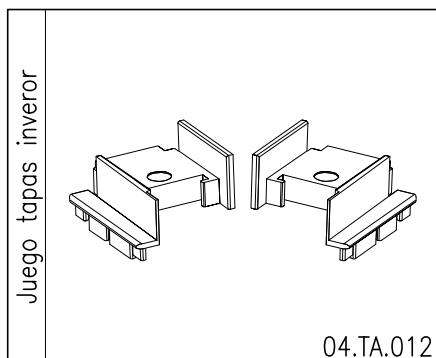


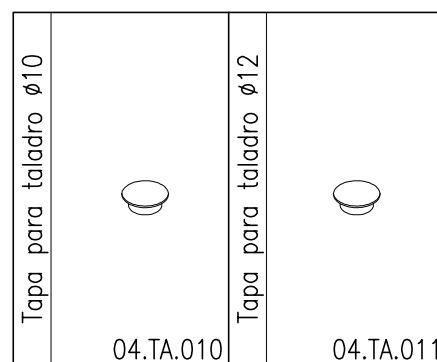
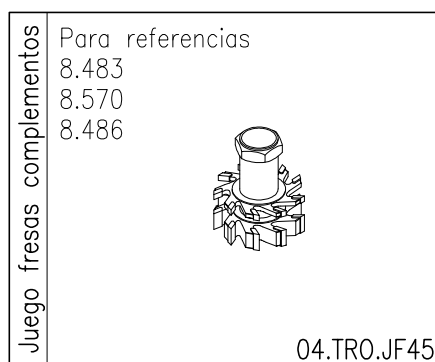
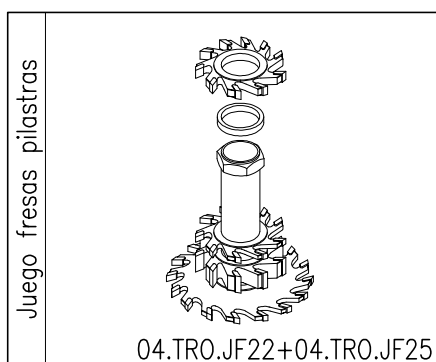
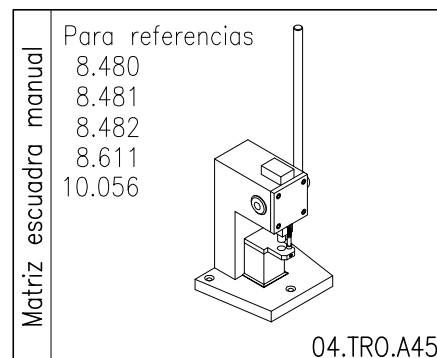
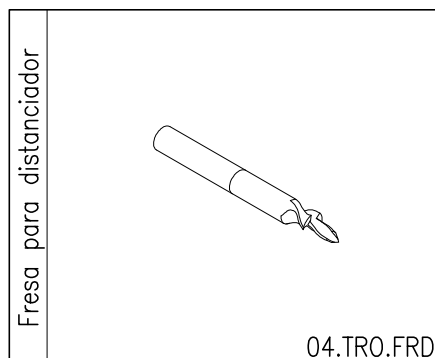
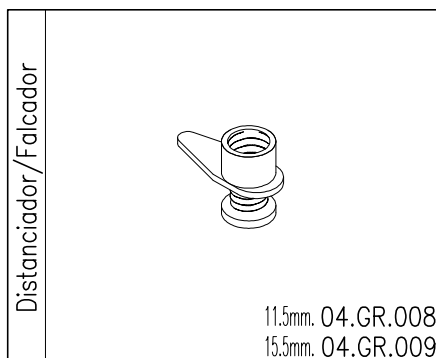
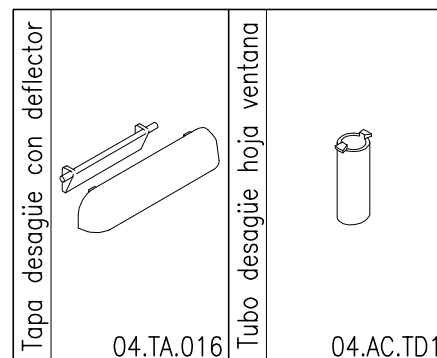
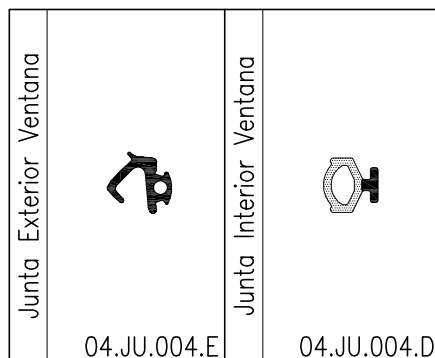
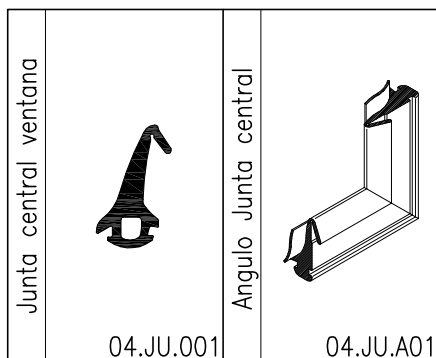
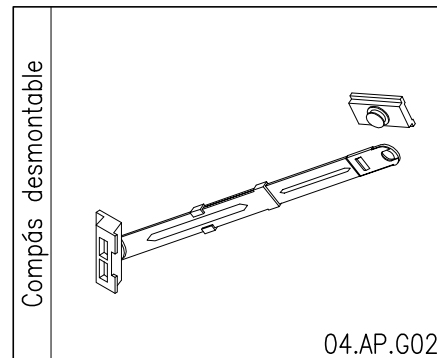
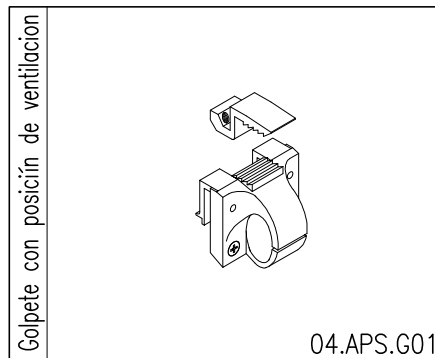
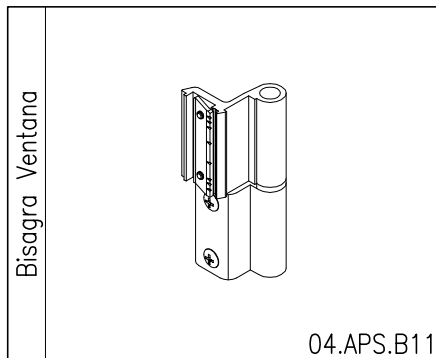
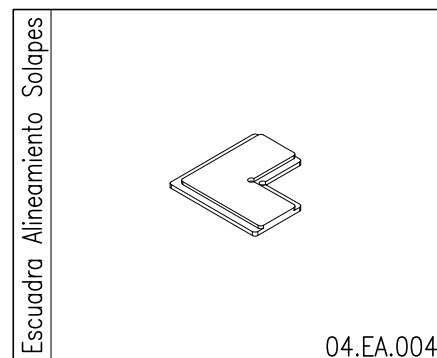
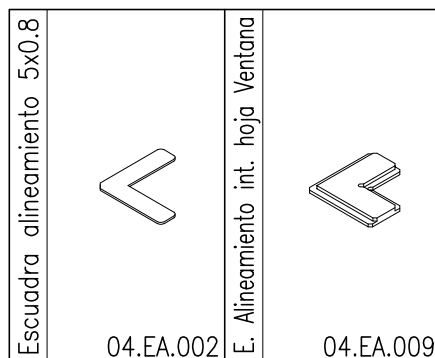
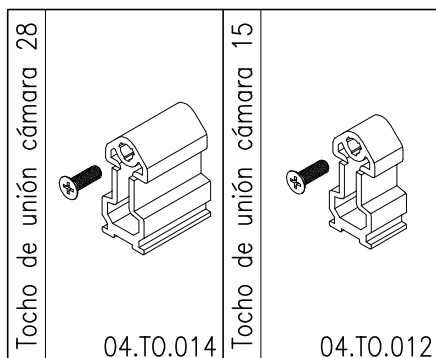
9.213









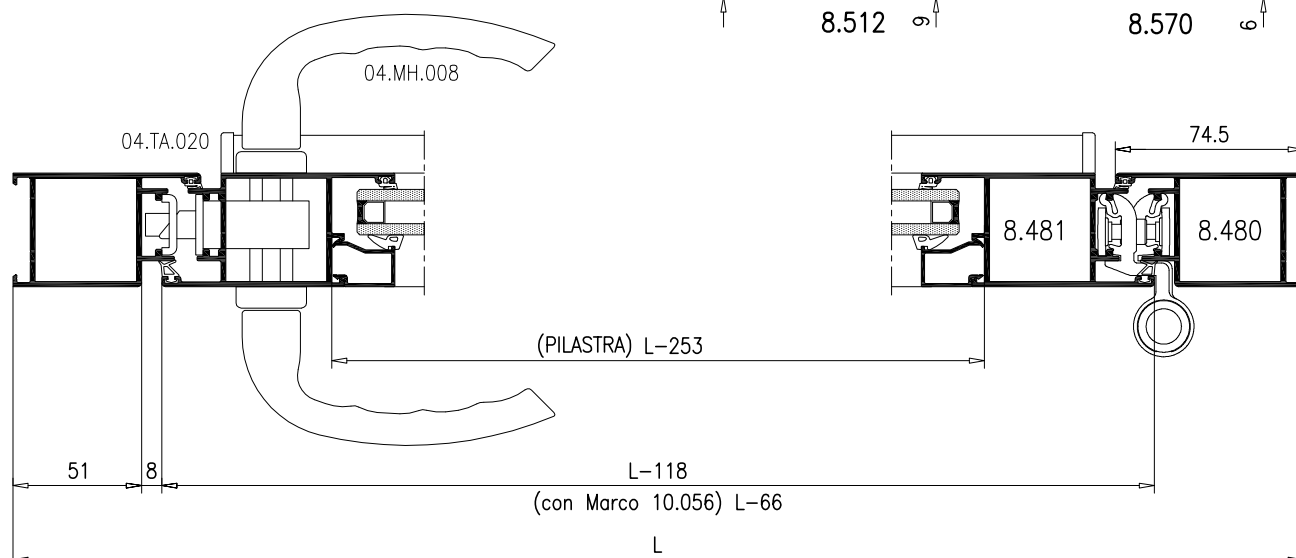
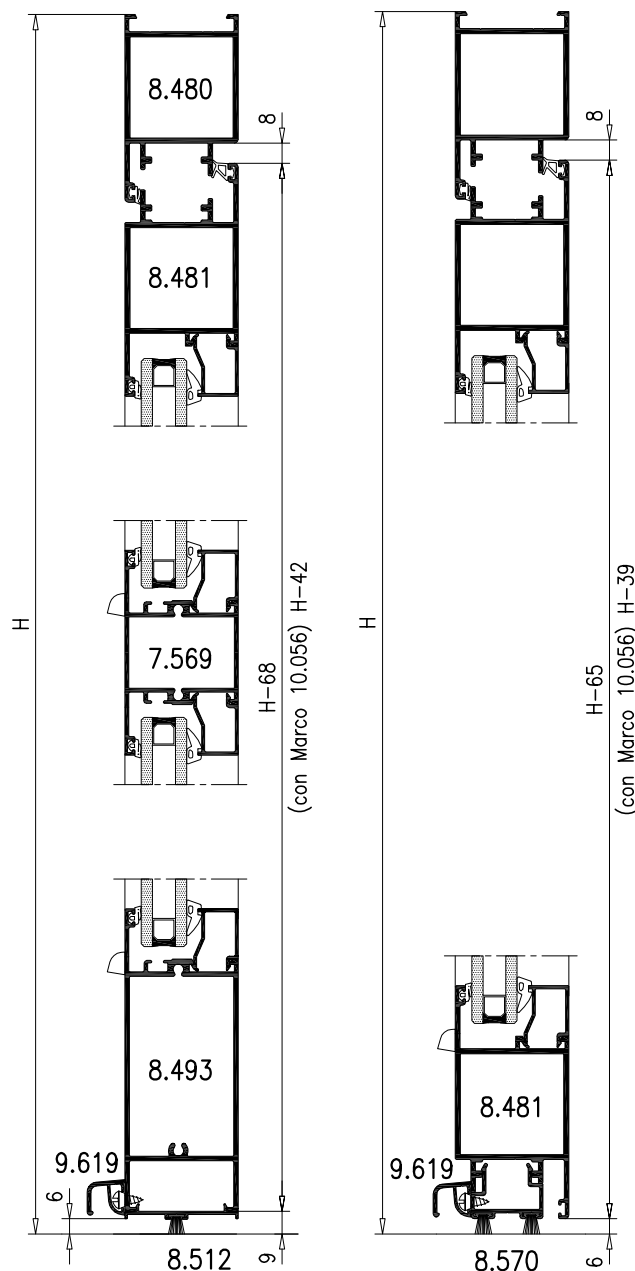
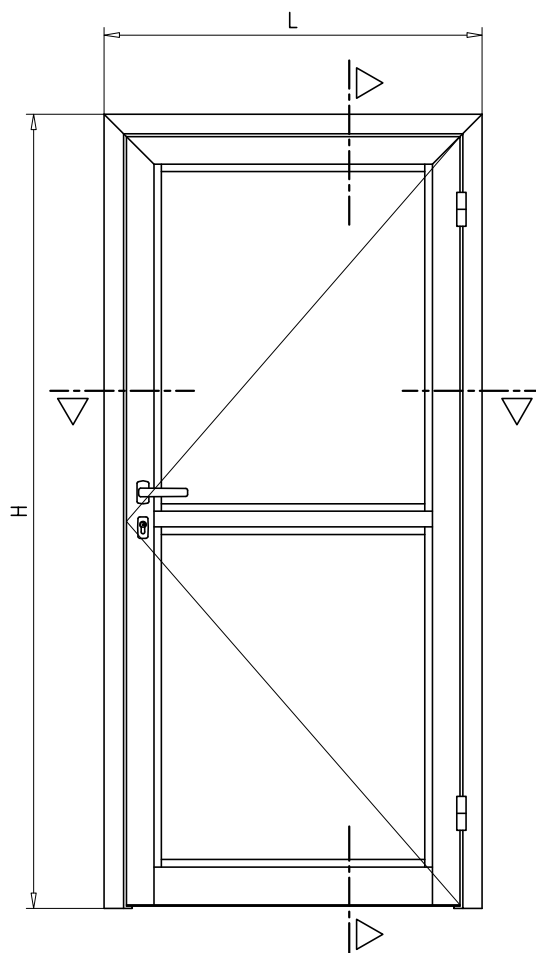


Operaciones Troquel 04.TRO.A22

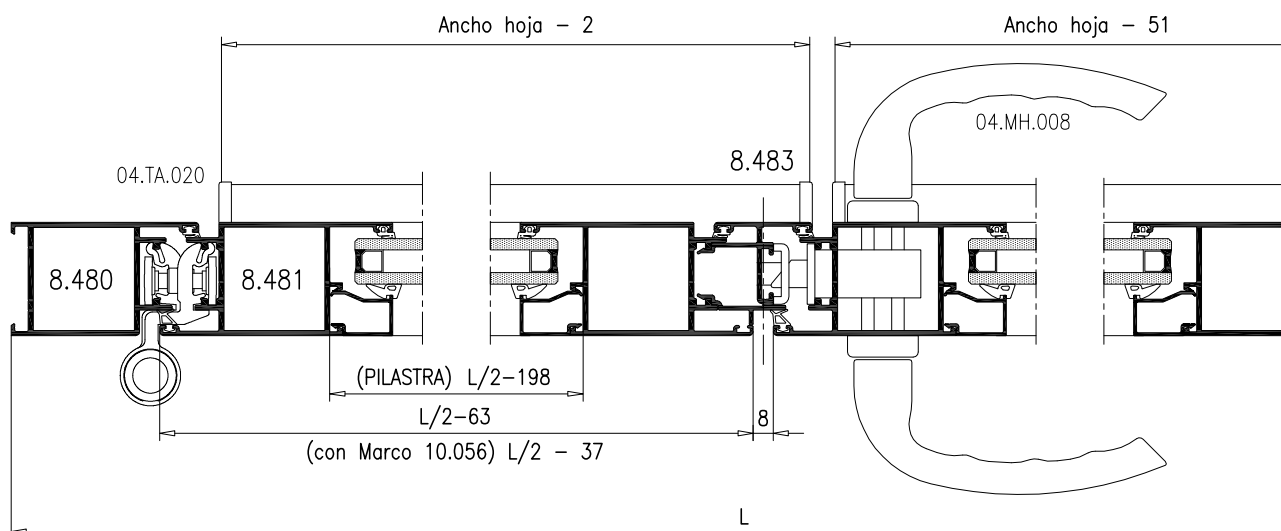
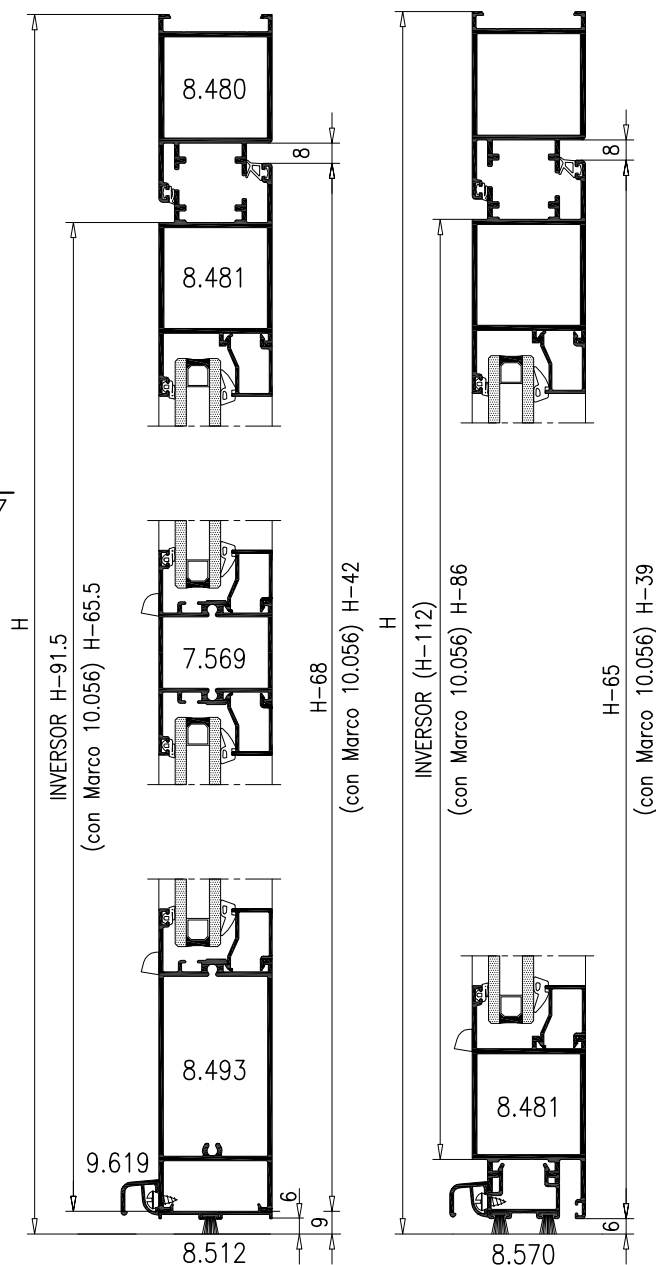
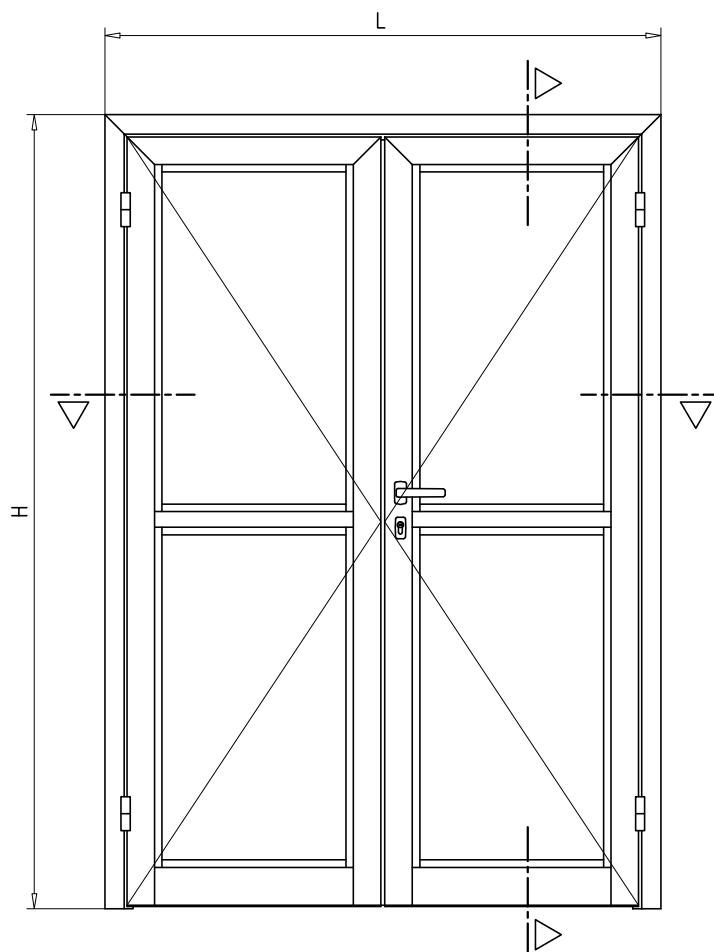
- Punzonado para Escuadra en Marcos y Hojas
- Punzonado para Pilastras
- Desagüe en Hojas y Pilastras
- Cremona en Hoja de ventana
- Despunte de los nervios guía falleba en Hoja Ventana
- Punzonado en los extremos de la pletina falleba

ESTE TROQUEL SE UTILIZA TAMBIEN PARA LOS SISTEMAS E16, E22, E25, E25/70, E28, E36, E54 y KIKAU

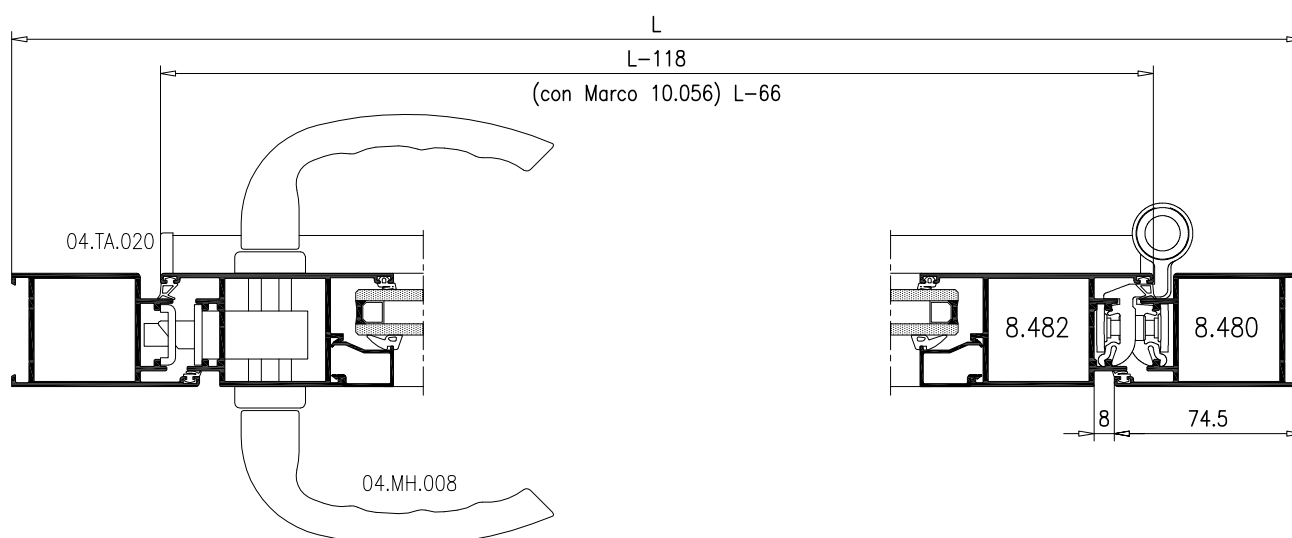
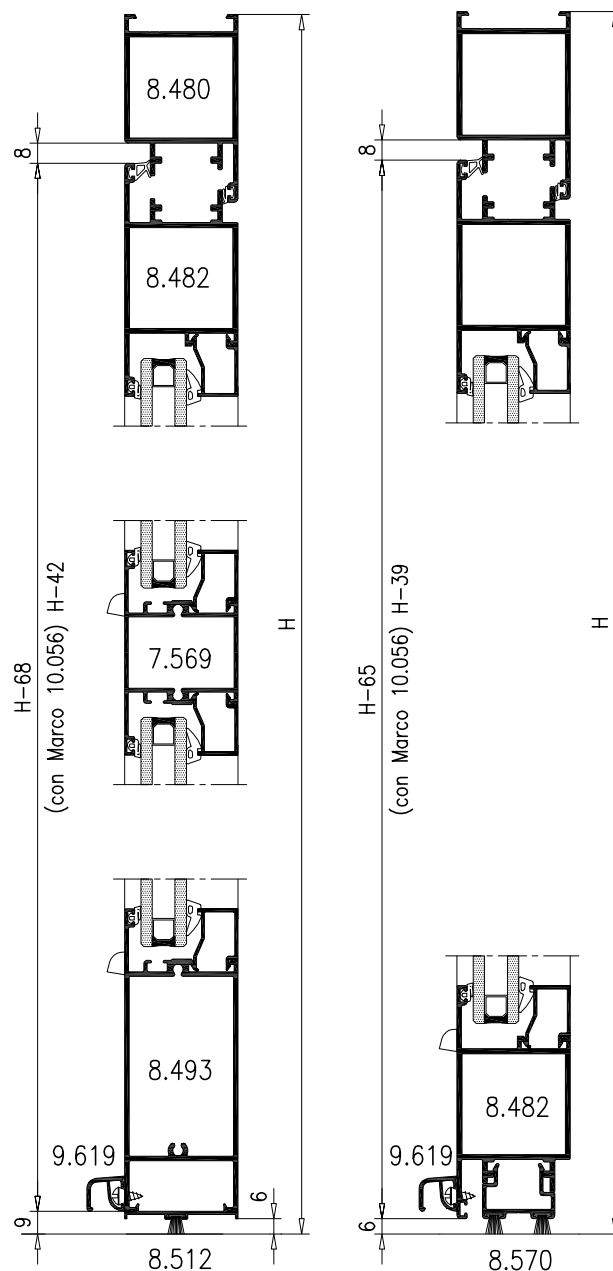
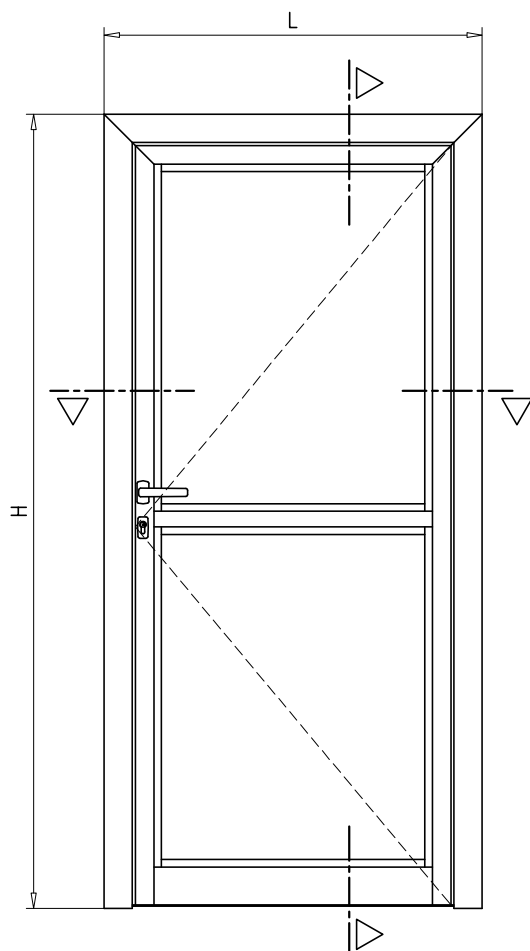
**PUERTA 1 HOJA
APERTURA INTERIOR**



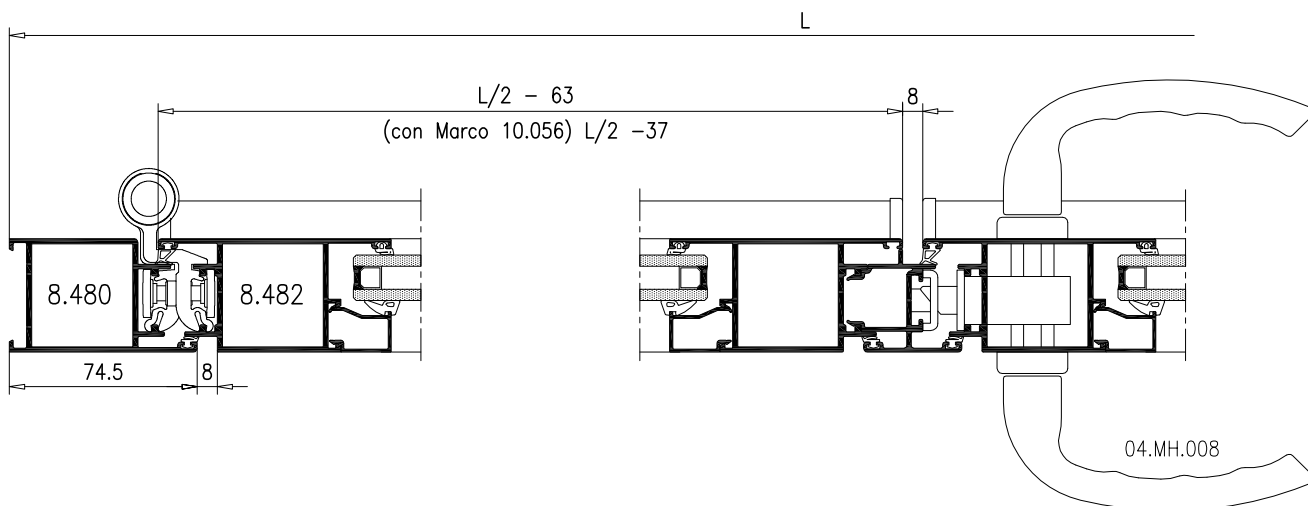
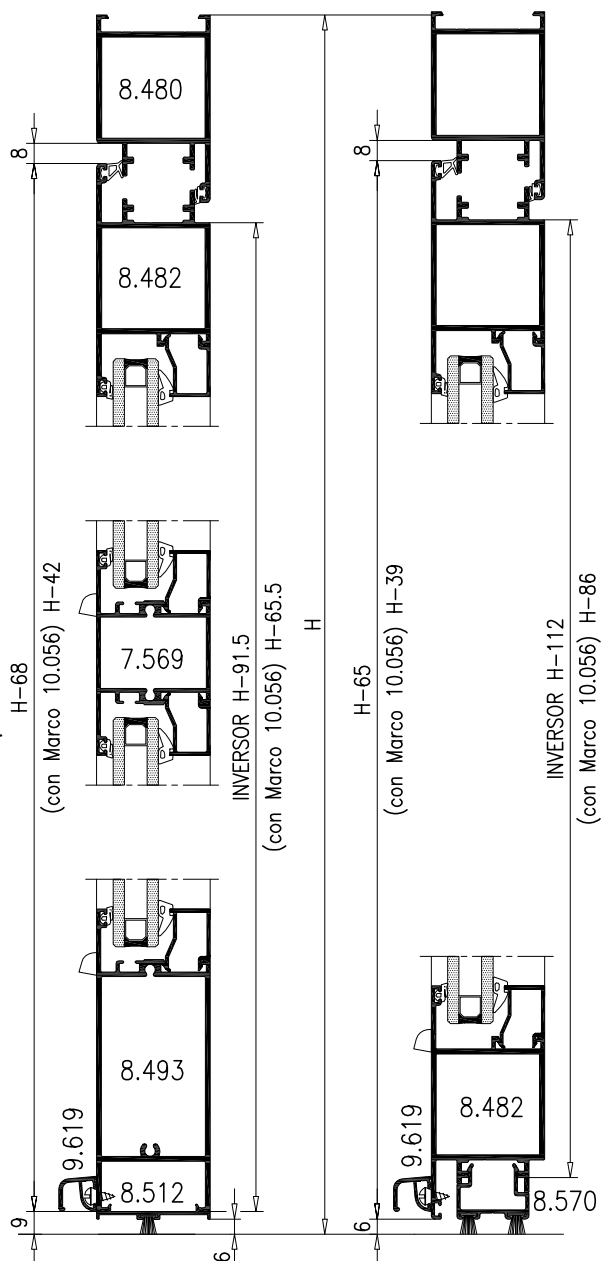
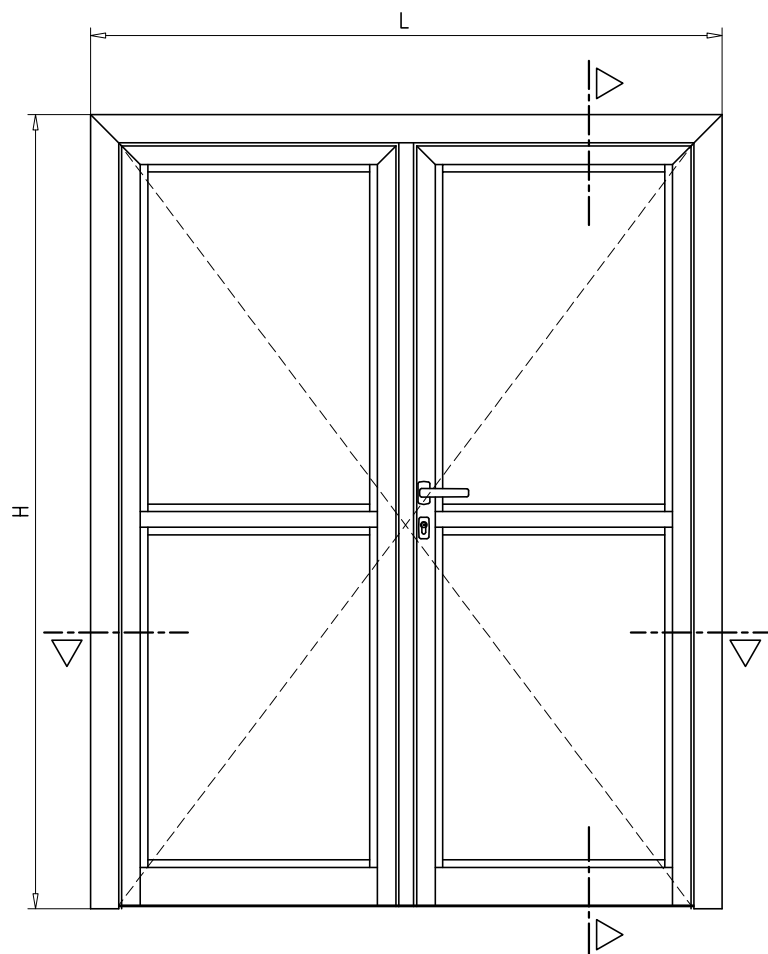
**PUERTA 2 HOJAS
APERTURA INTERIOR**



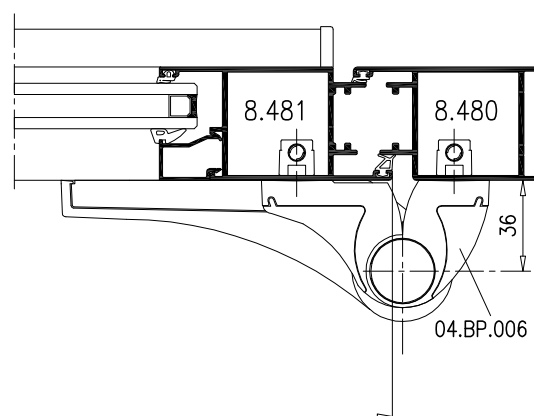
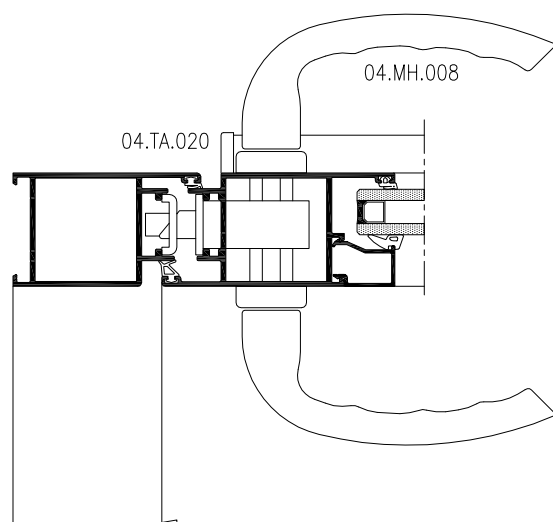
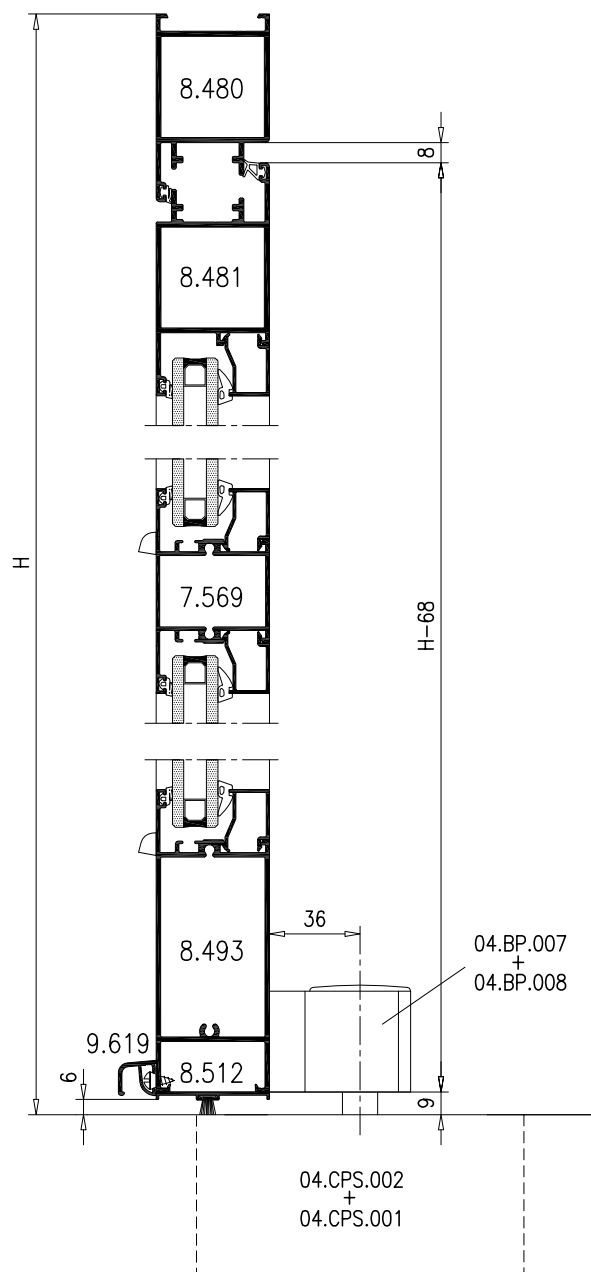
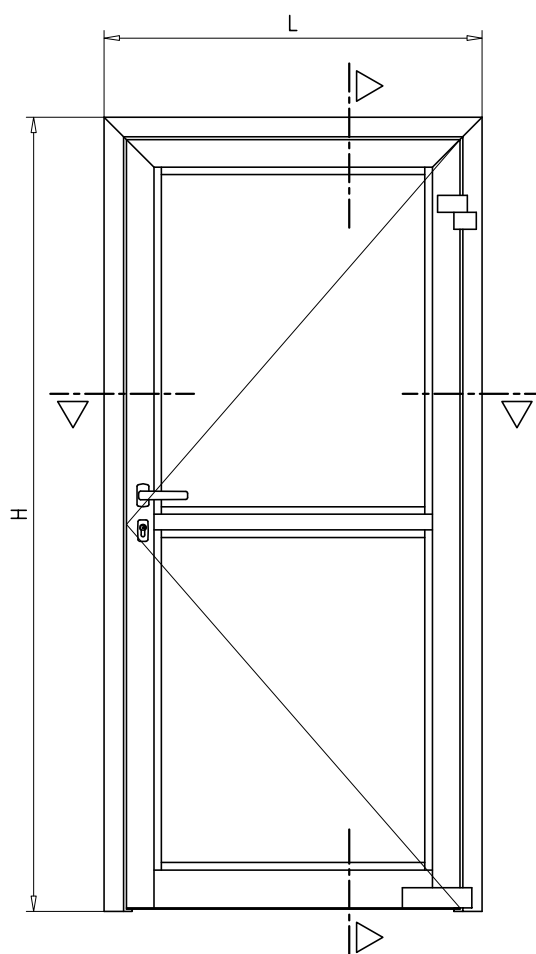
**PUERTA 1 HOJA
APERTURA EXTERIOR**



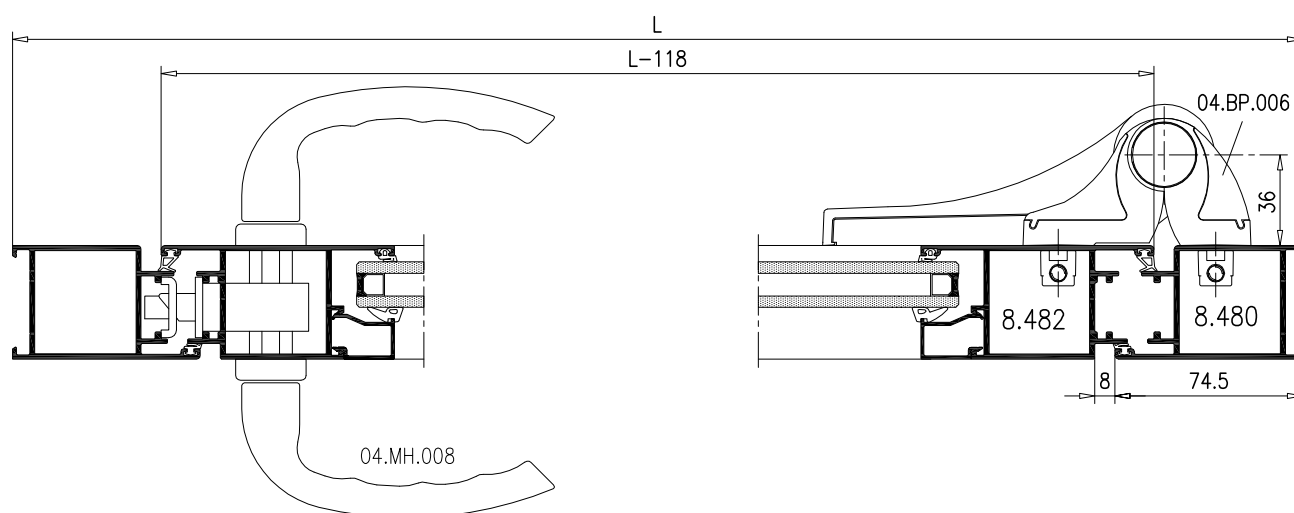
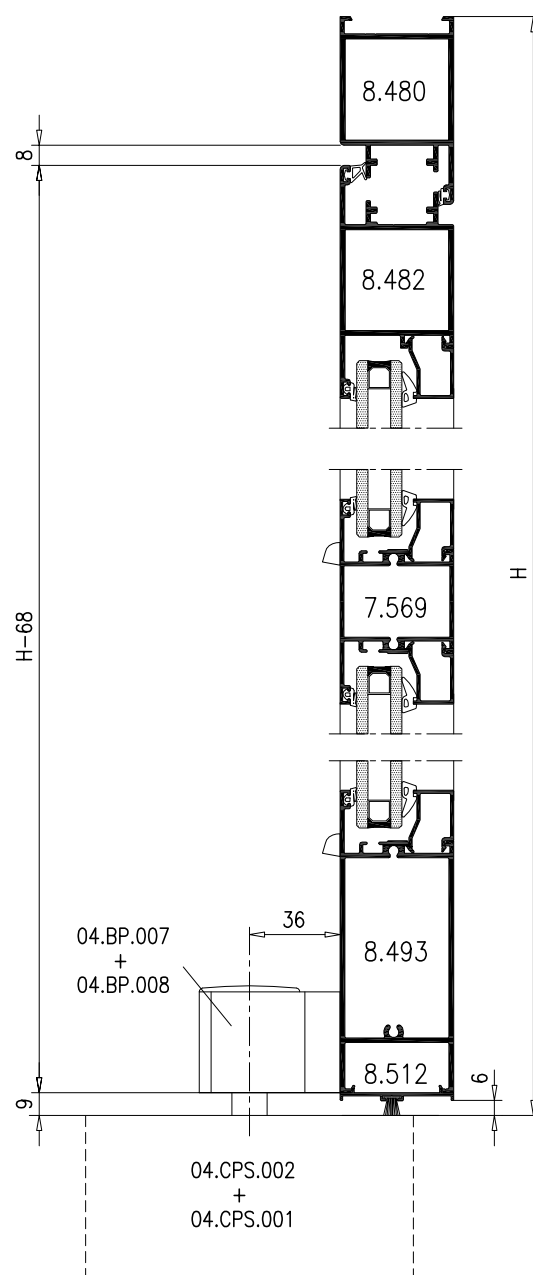
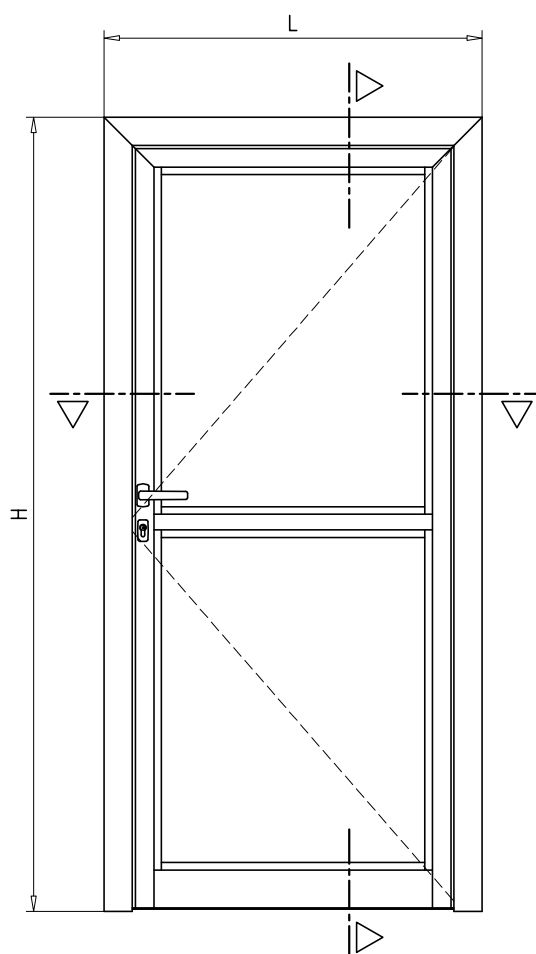
**PUERTA 2 HOJAS
APERTURA EXTERIOR**

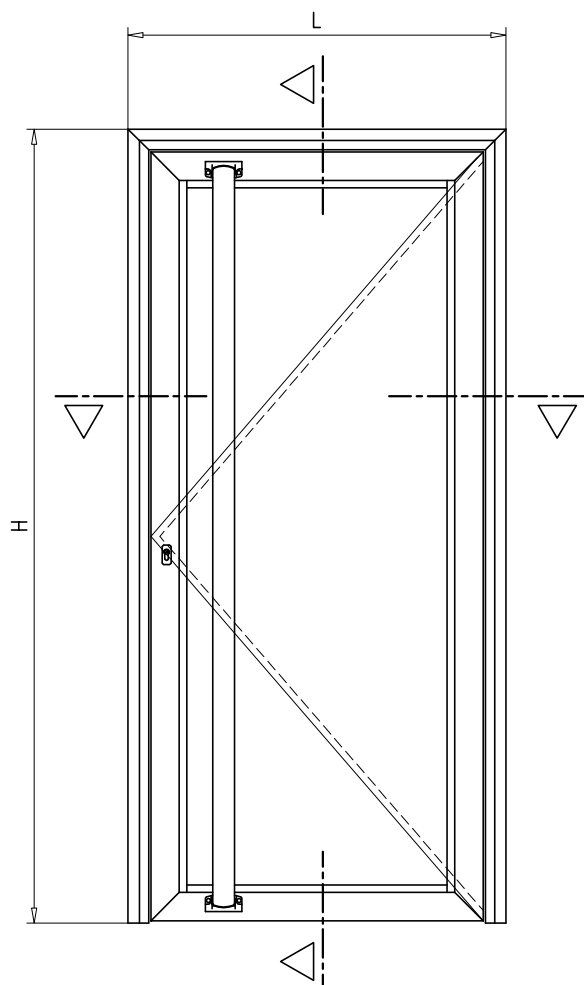


**PUERTA 1 HOJA
CON CIERRAPUERTAS A SUELO
APERTURA INTERIOR**

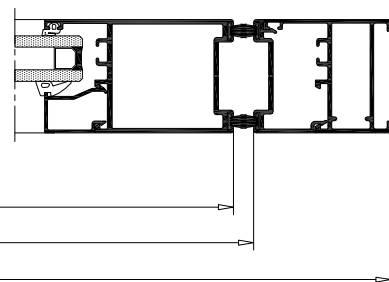
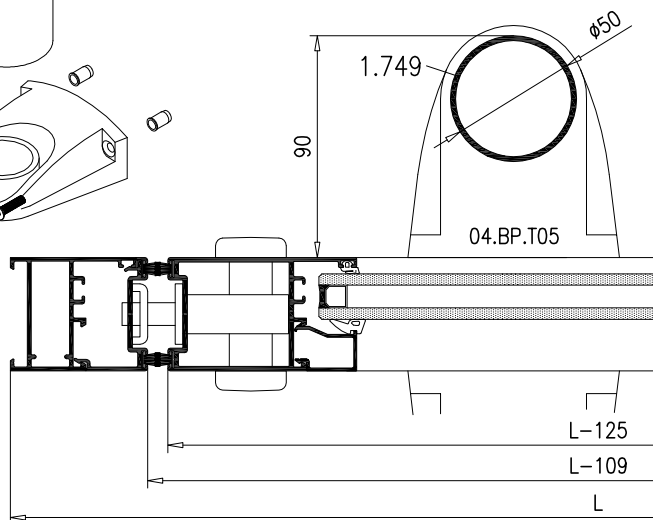
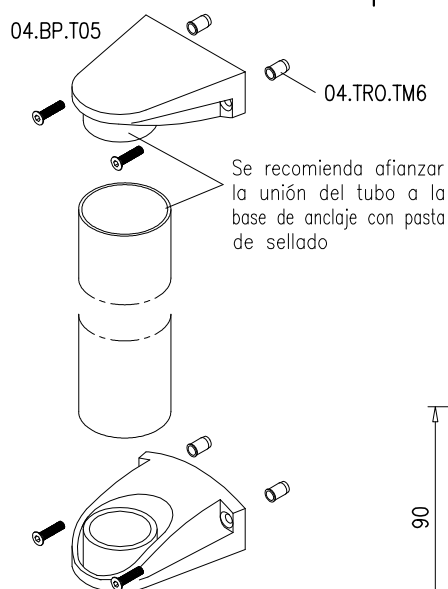
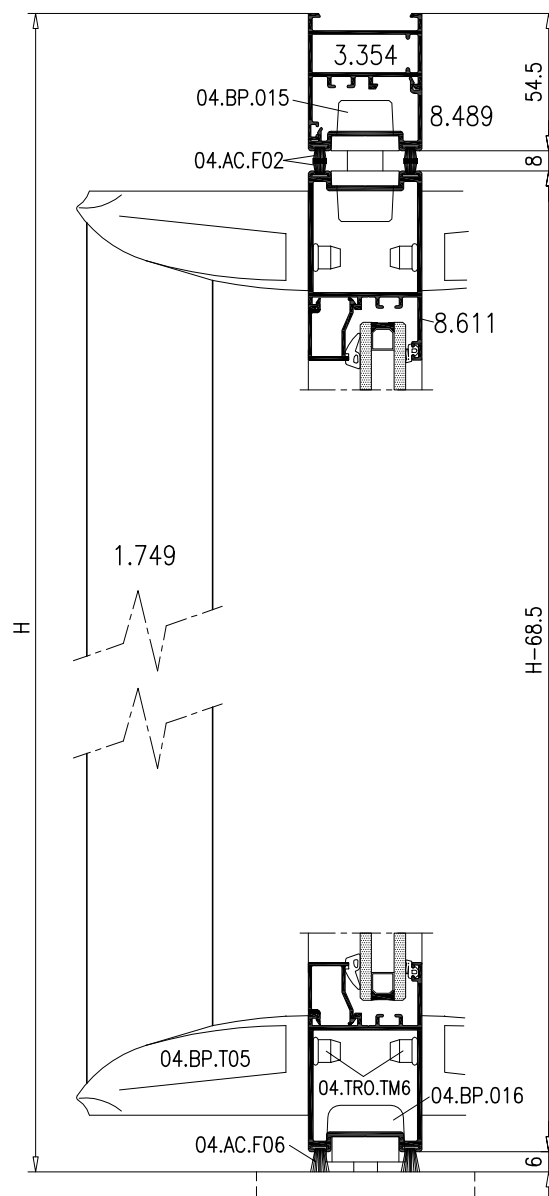


**PUERTA 1 HOJA
CON CIERRAPUERTAS A SUELO
APERTURA EXTERIOR**

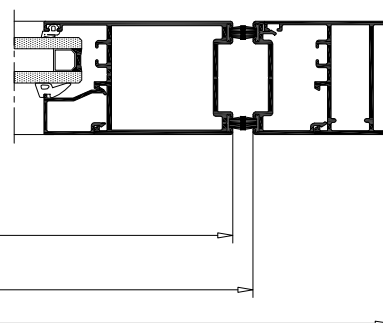
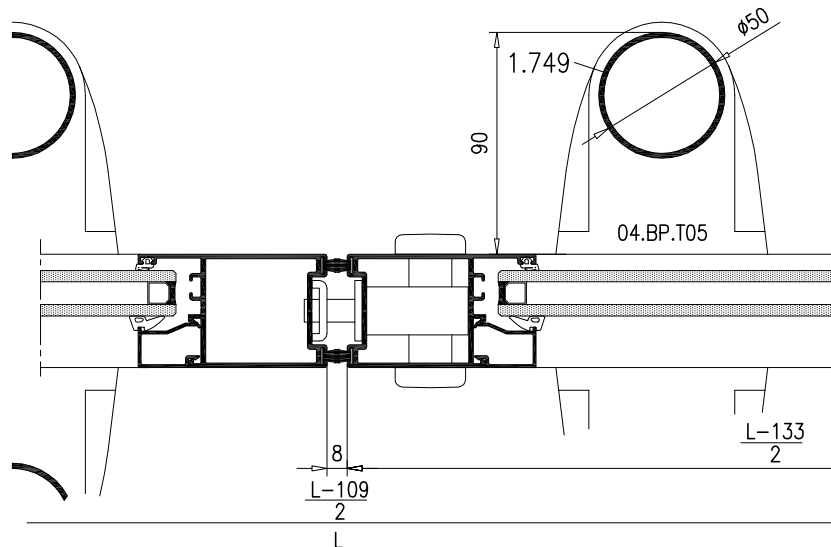
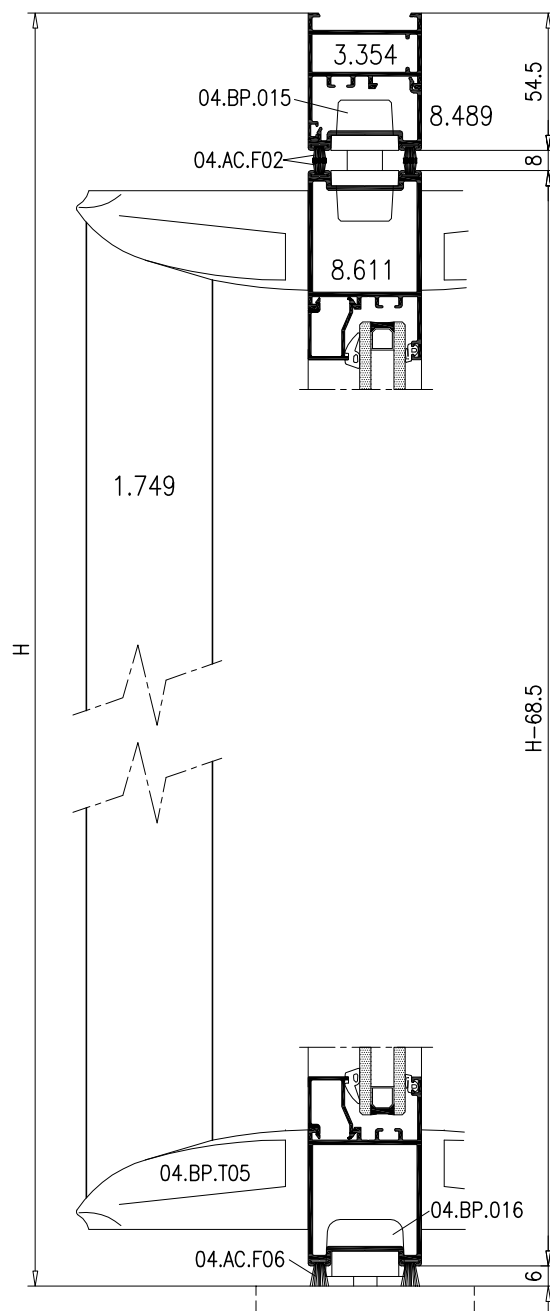
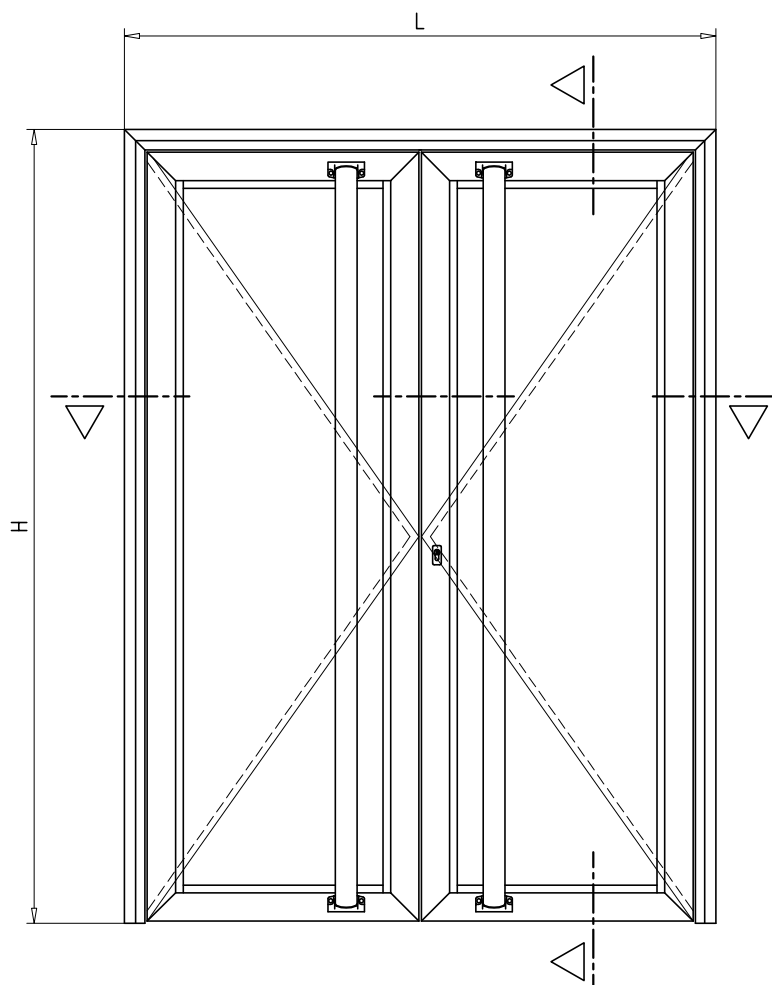


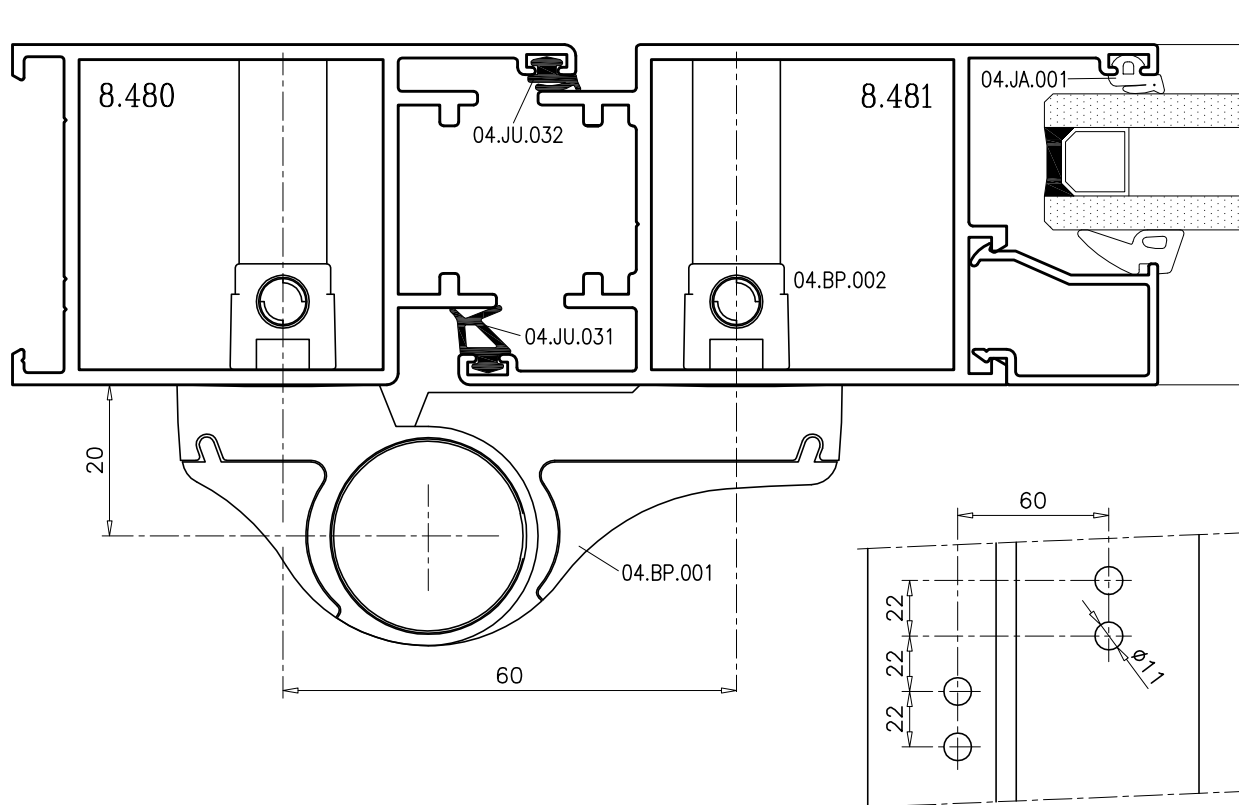
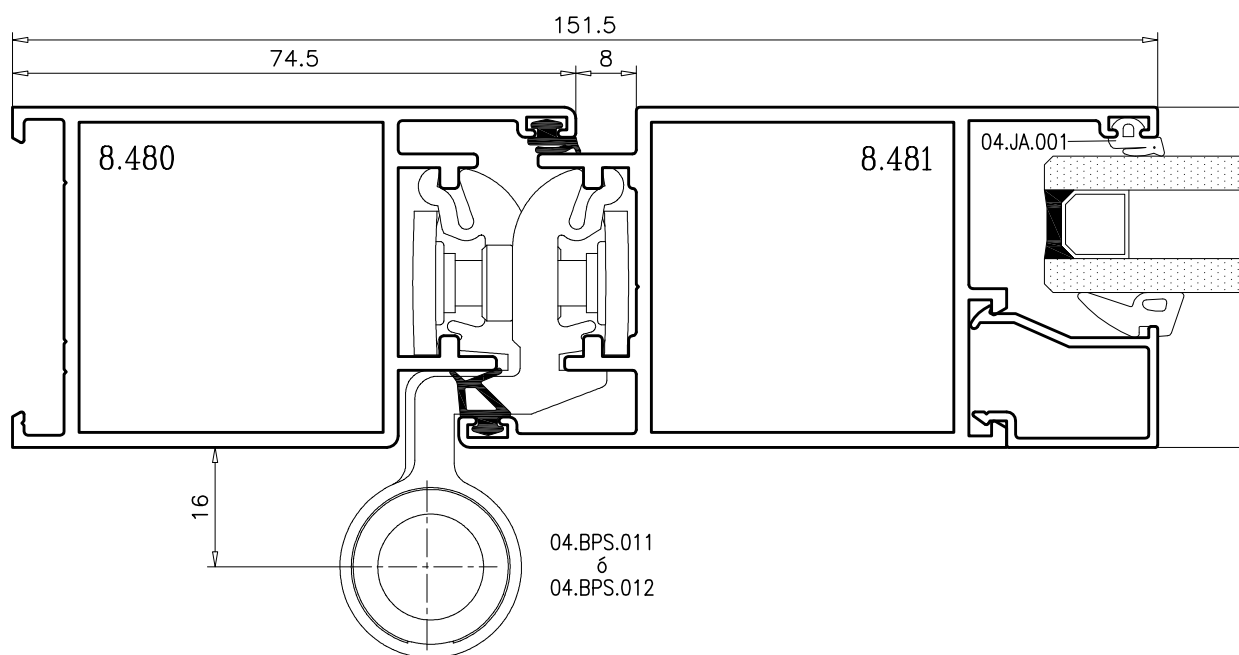
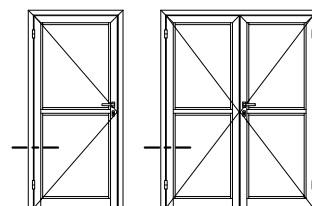


**PUERTA 1 HOJA
APERTURA VAIVEN**

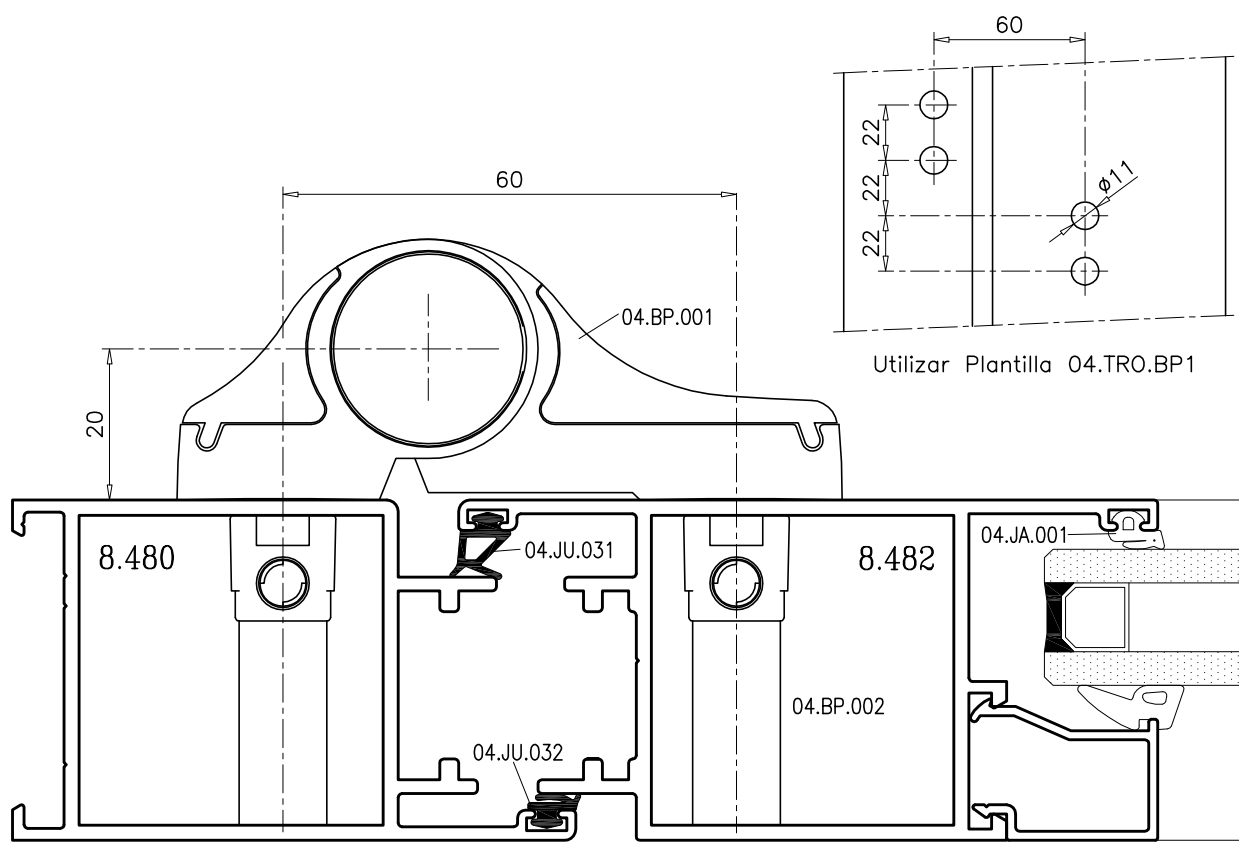
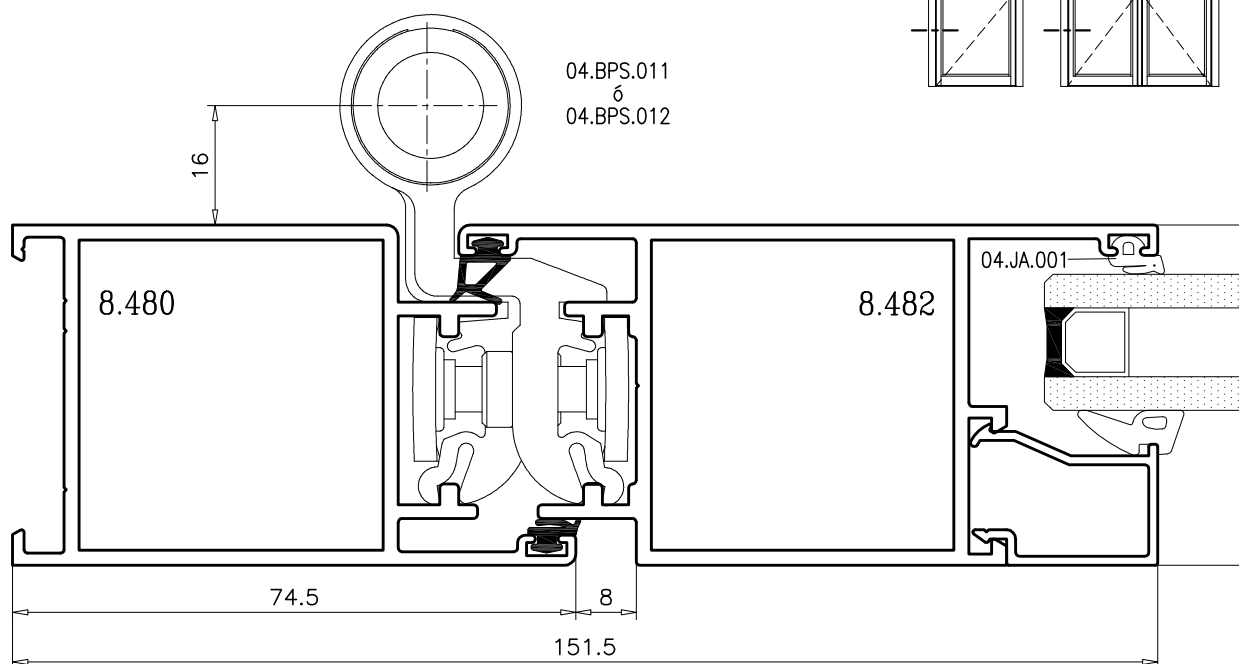


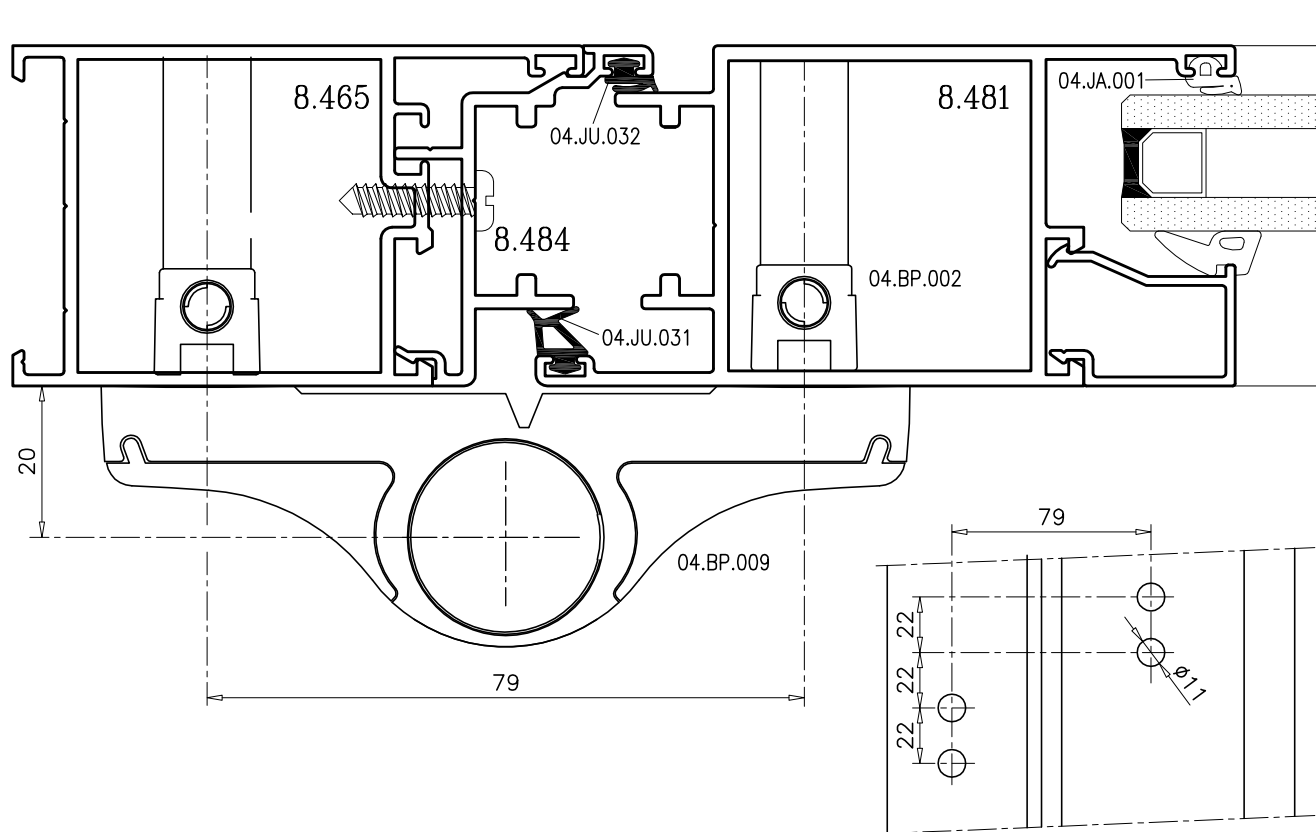
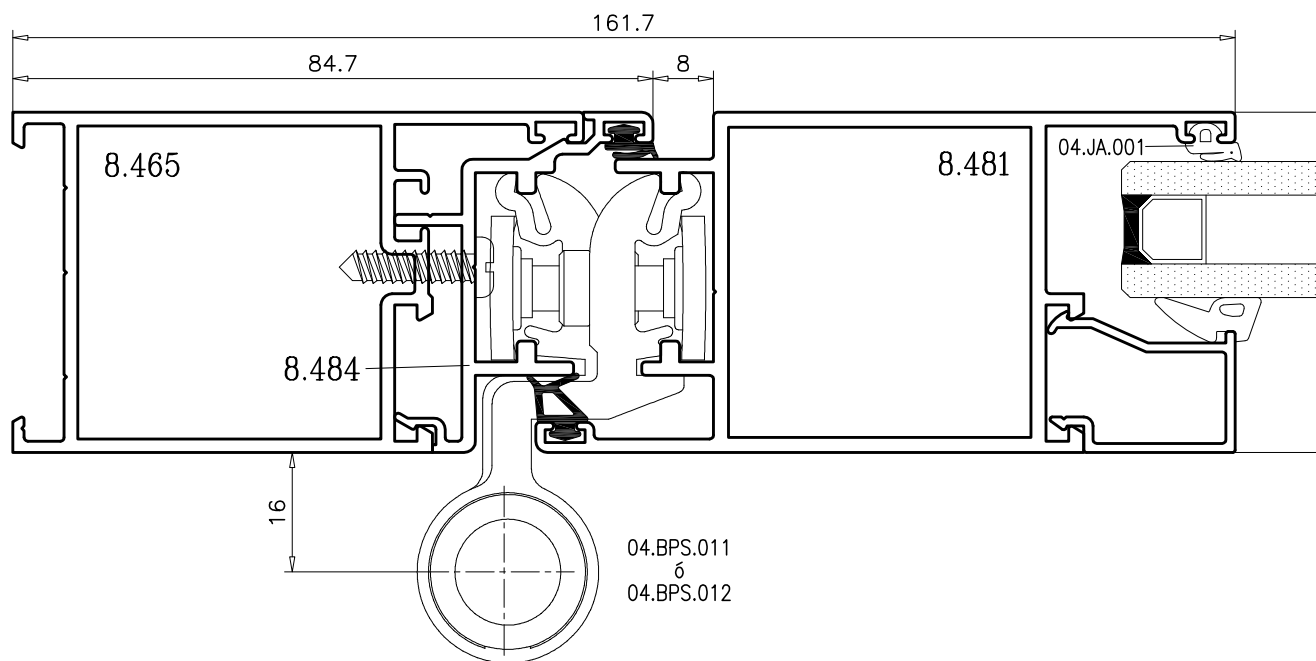
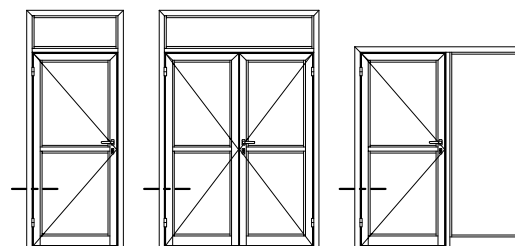
**PUERTA 2 HOJAS
APERTURA VAIVEN**



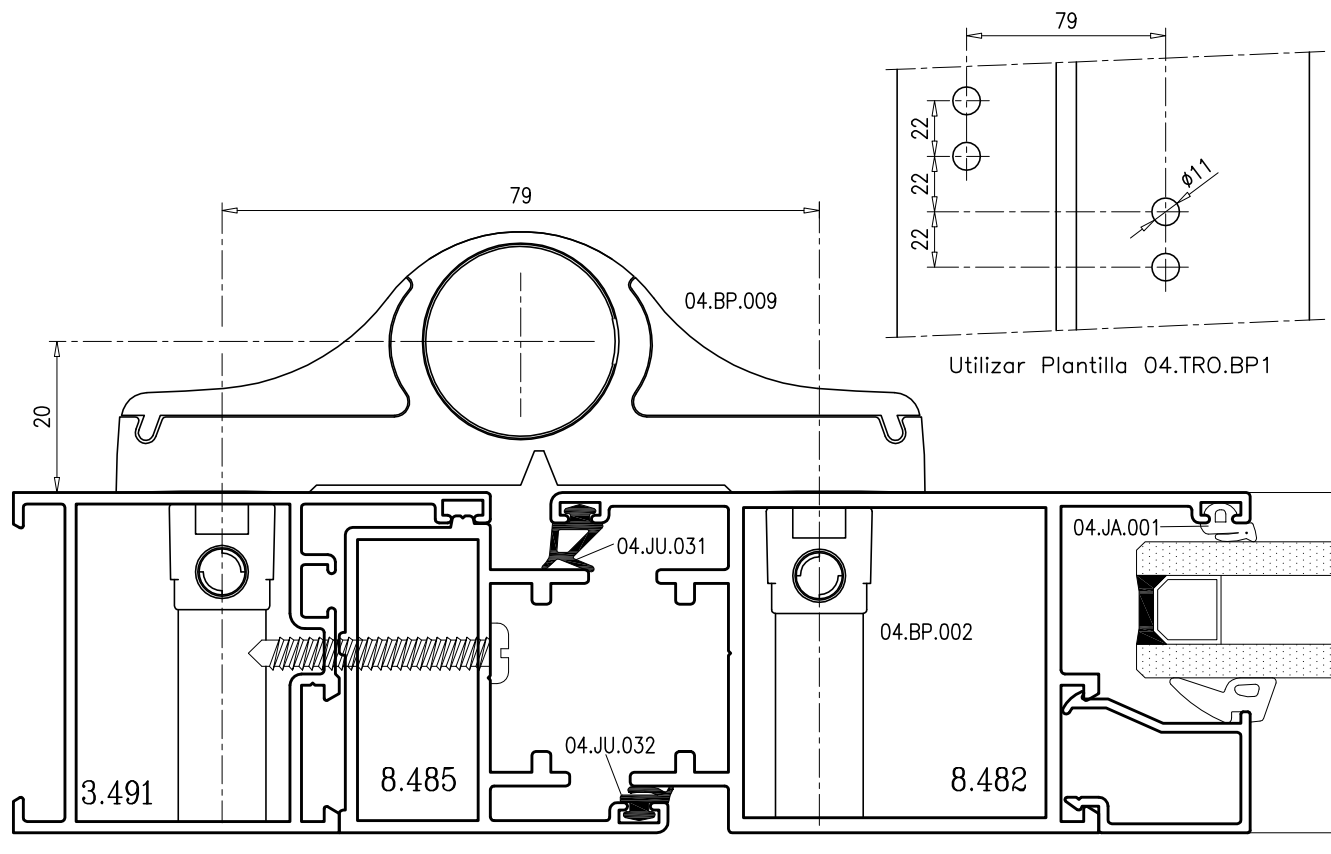
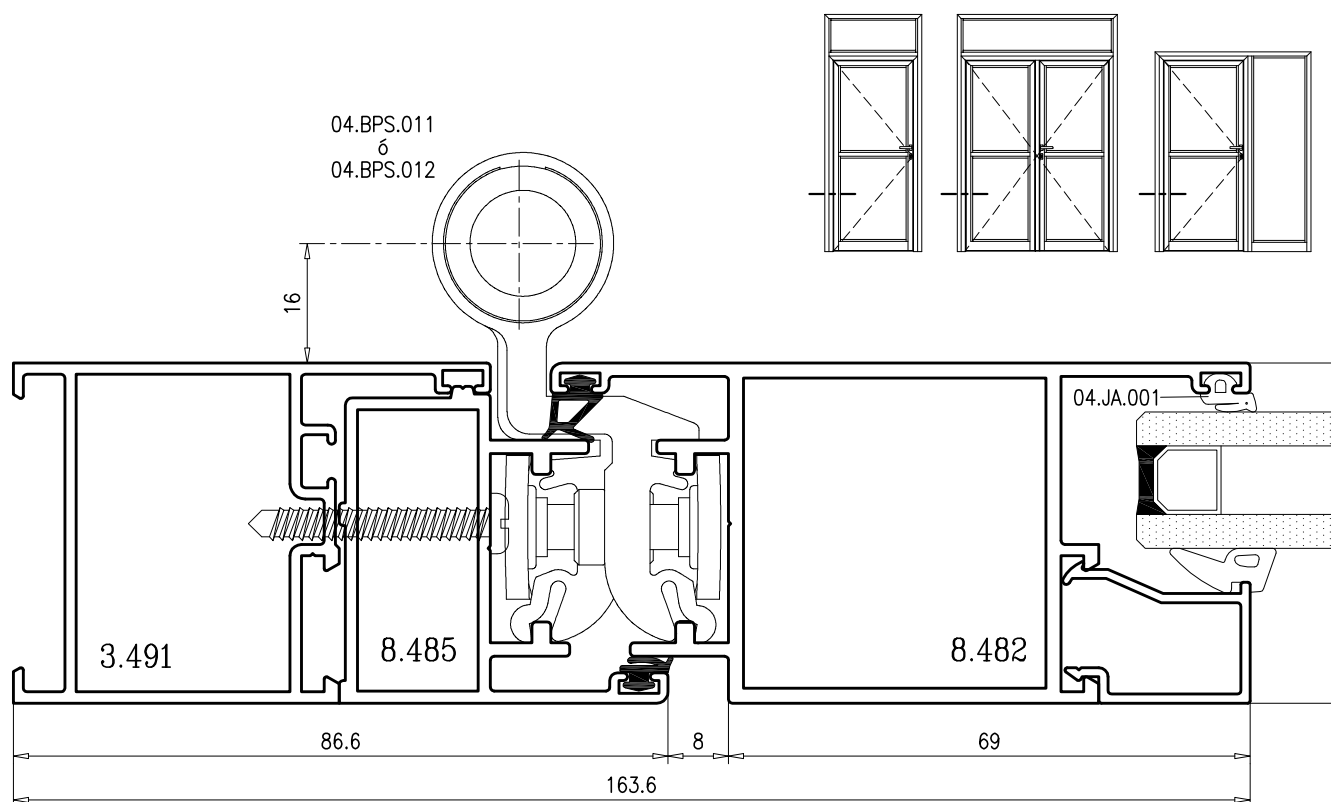


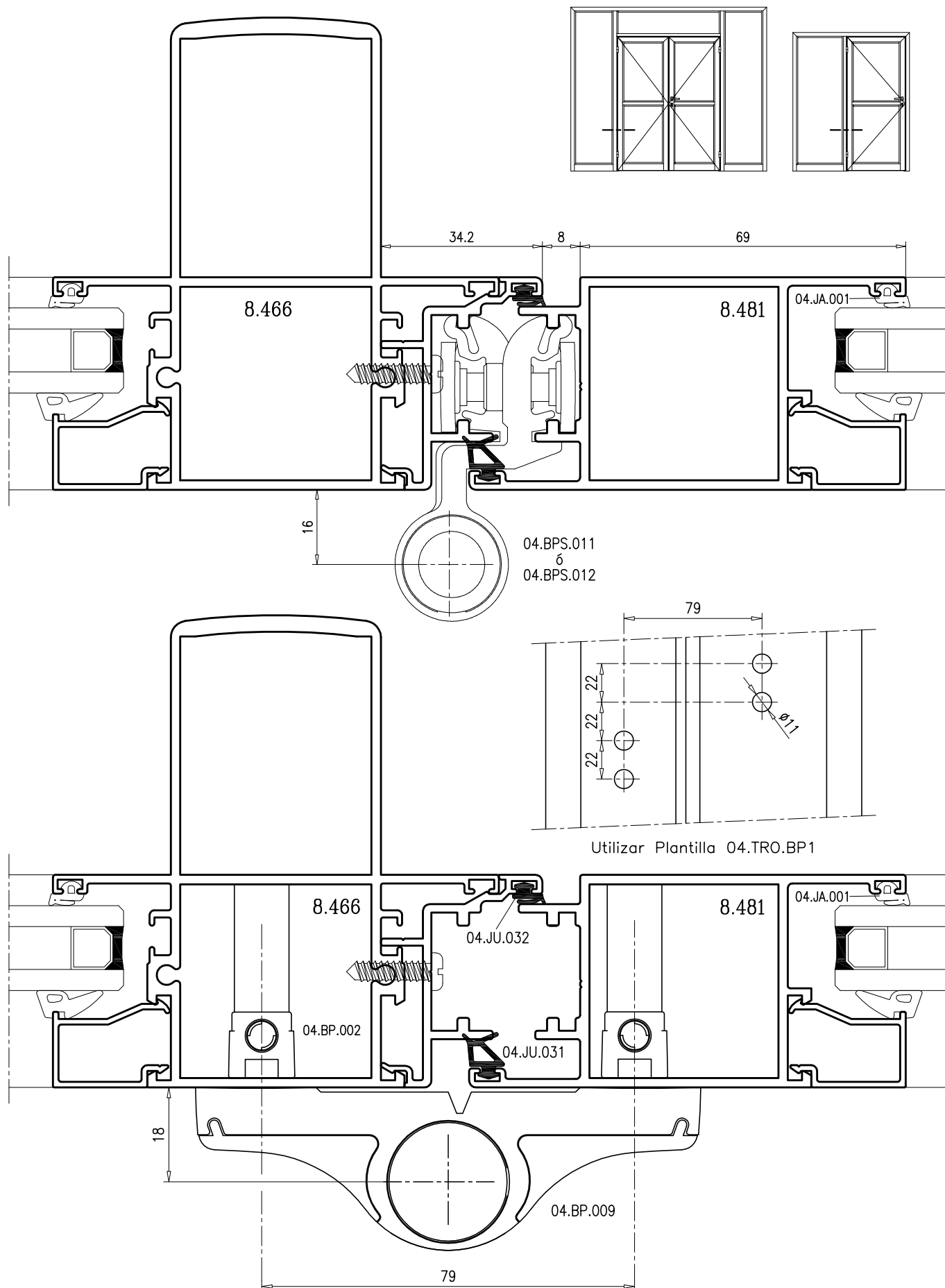
Utilizar Plantilla 04.TRO.BP1

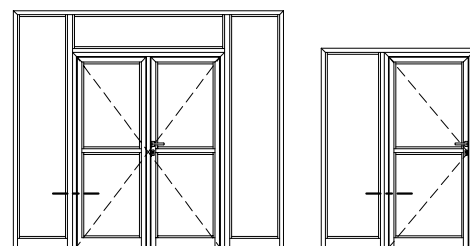




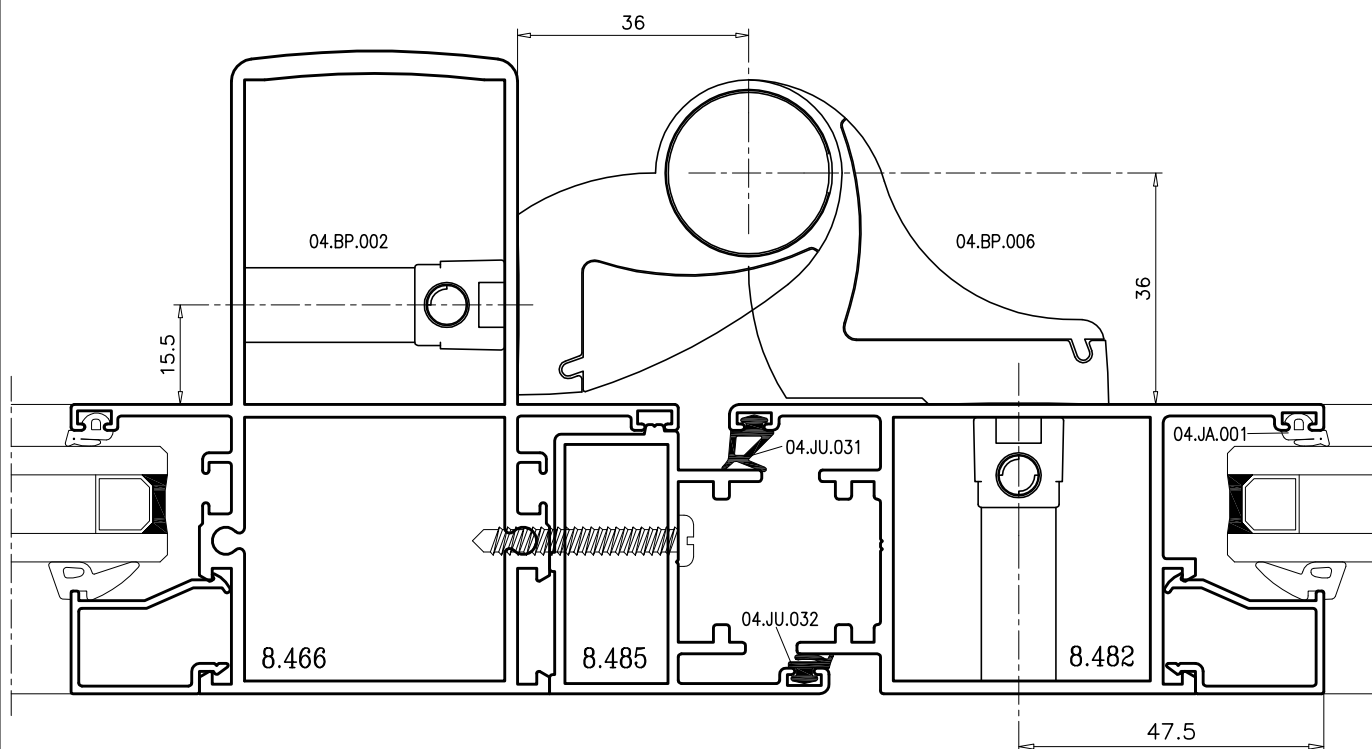
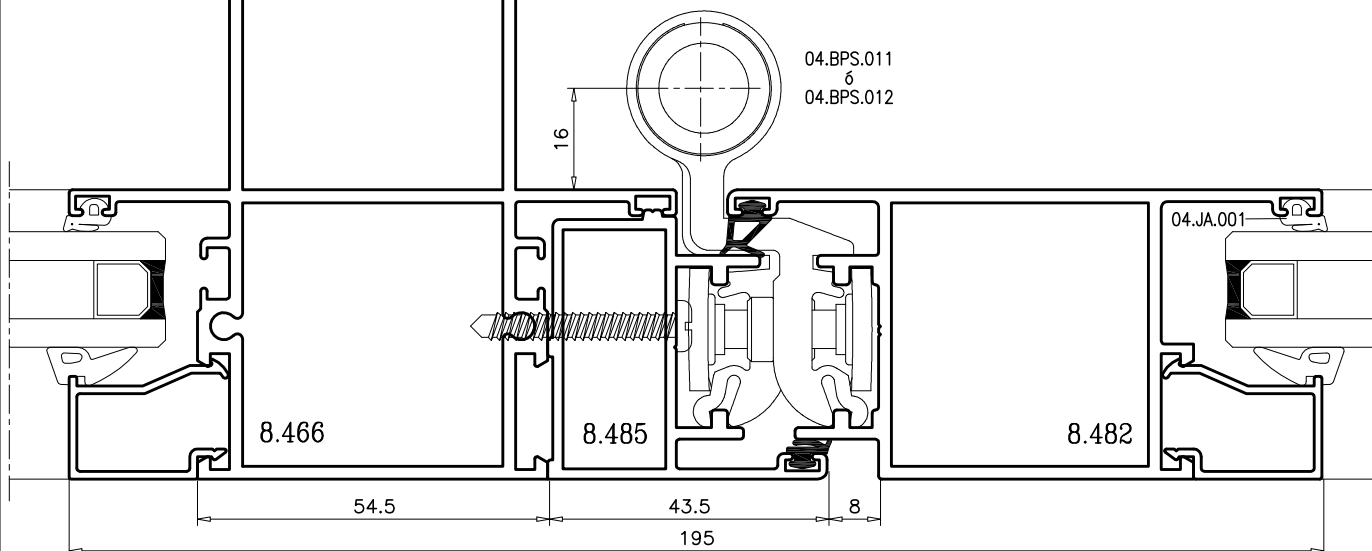
Utilizar Plantilla 04.TRO.BP1

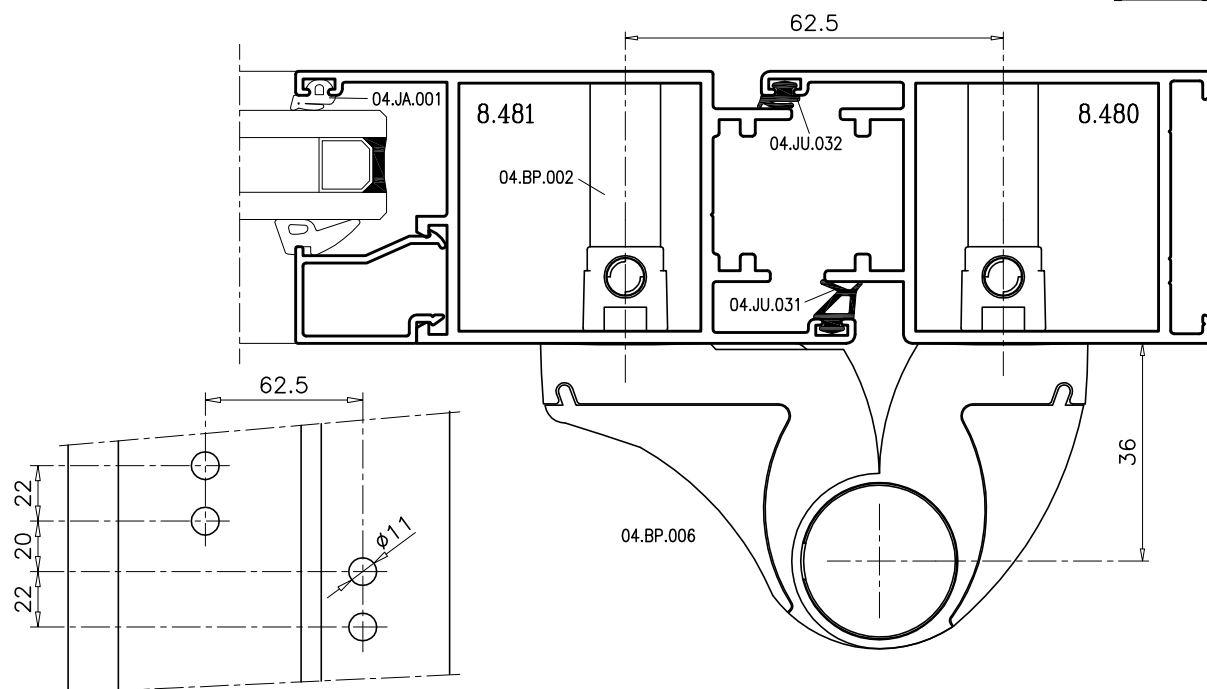




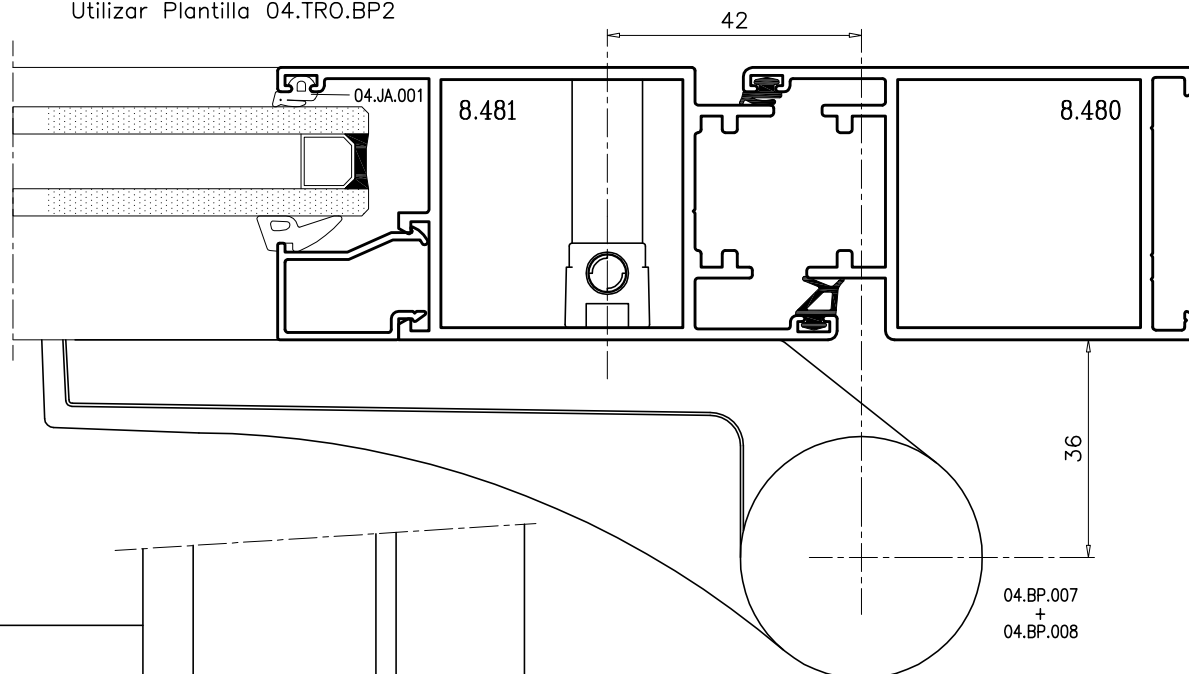


04.BPS.011
6
04.BPS.012

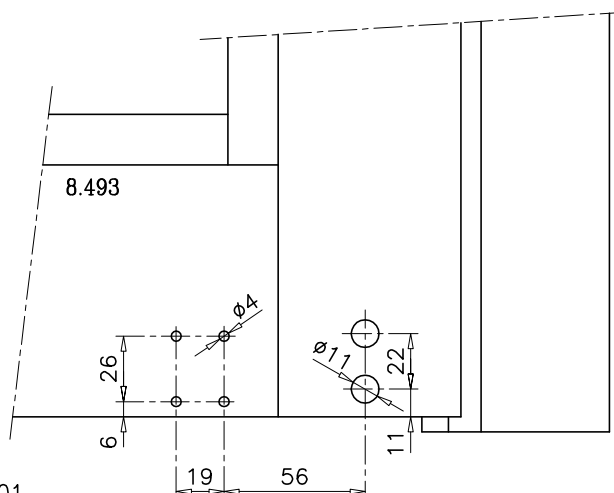




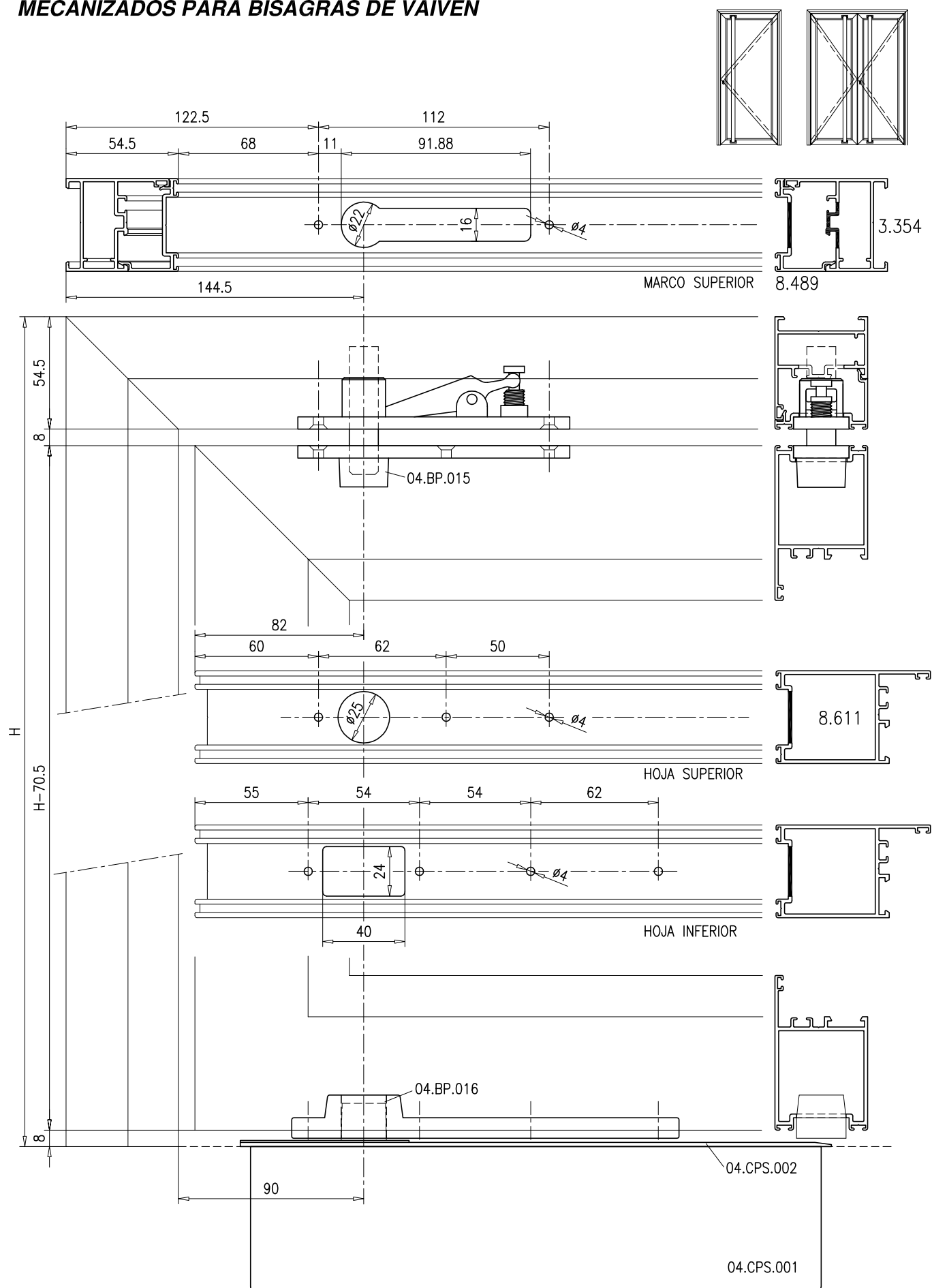
Utilizar Plantilla 04.TRO.BP2



04.BP.007
+
04.BP.008



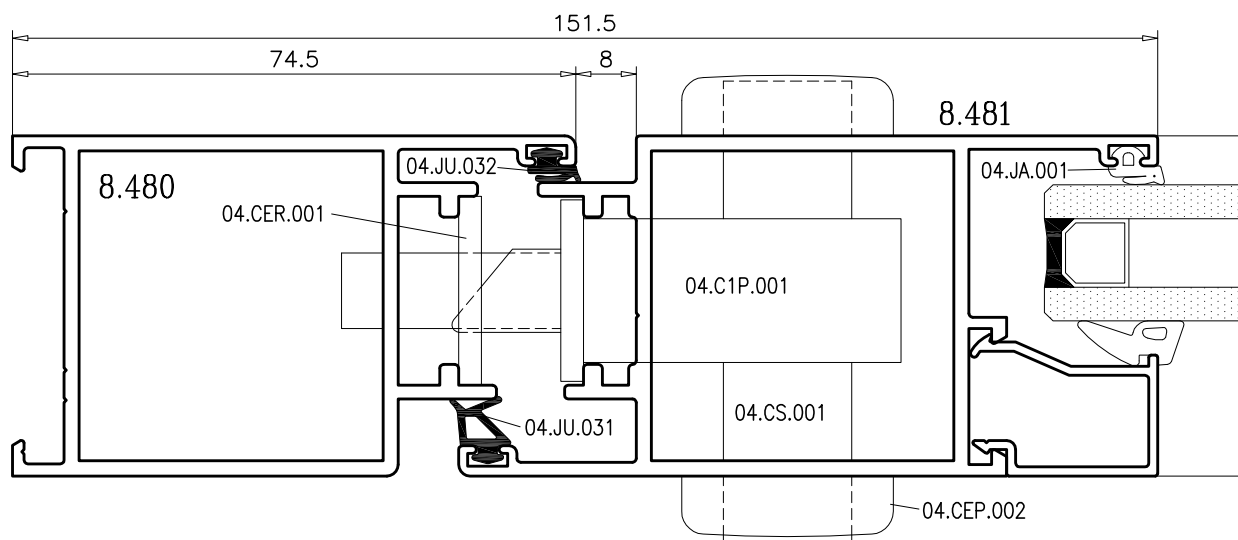
MECANIZADOS PARA BISAGRAS DE VAIVEN



OPCIONES DE CERRADURAS PARA PUERTAS DE APERTURA INTERIOR Y EXTERIOR

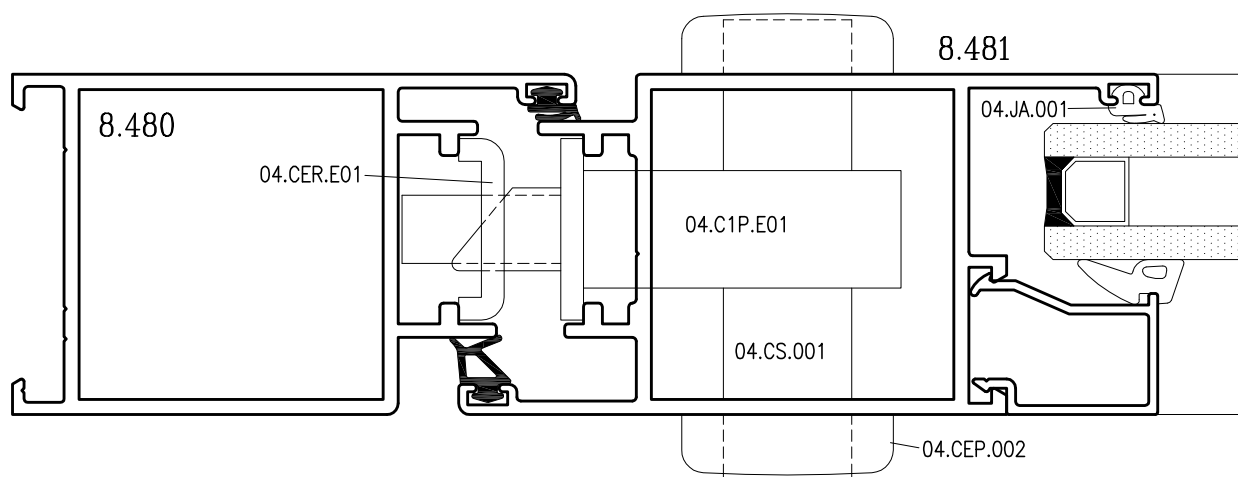
CERRADURAS DE PALANCAS BASCULANTES

	TIPO	REF. CERRRADURA	REF. CERRRADERO
1 PUNTO	Resbalon y palanca	04.C1P.001	04.CER.001
	Rodillo y palanca	04.C1P.002	04.CER.002
	Sólo palanca	04.C1P.003	04.CER.003



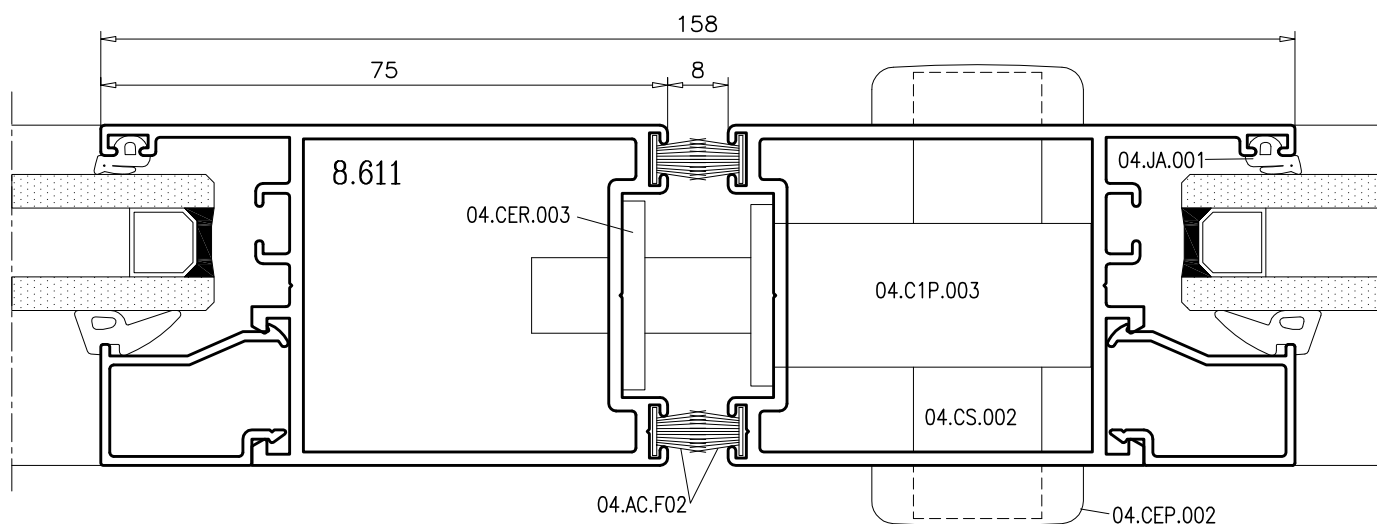
CERRADURAS DE PALANCAS DESLIZANTES

	TIPO	REF. CERRRADURA	REF. CERRRADERO
1 PUNTO	Resbalon y palanca	04.C1P.E01	04.CER.E01
	Rodillo y palanca	04.C1P.E02	04.CER.E01+04.CER.E02
	Sólo palanca	04.C1P.E01	04.CER.E03
3 PUNTOS	Resbalon y palanca	04.C3P.E01	04.CER.E01+(2)04.CER.E04
	Rodillo y palanca		04.C3P.ROD+04.CER.E01+(2)04.CER.E04
	Sólo palanca		04.CER.E03+(2)04.CER.E04

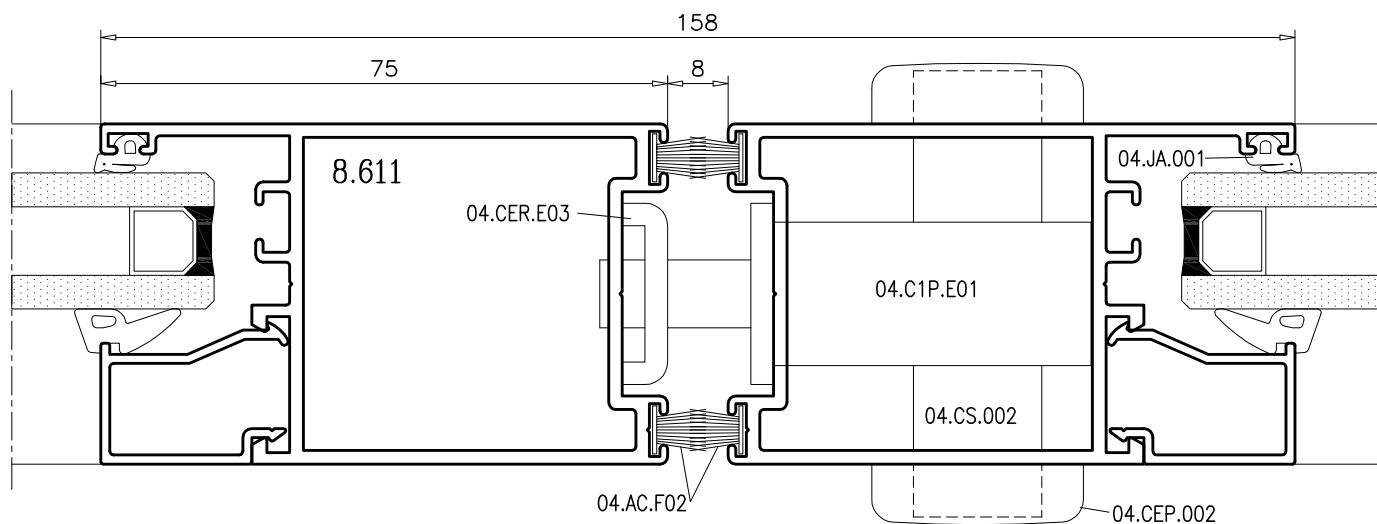


OPCIONES DE CERRADURAS PARA PUERTAS DE APERTURA INTERIOR Y EXTERIOR

CERRADURAS DE PALANCAS BASCULANTES



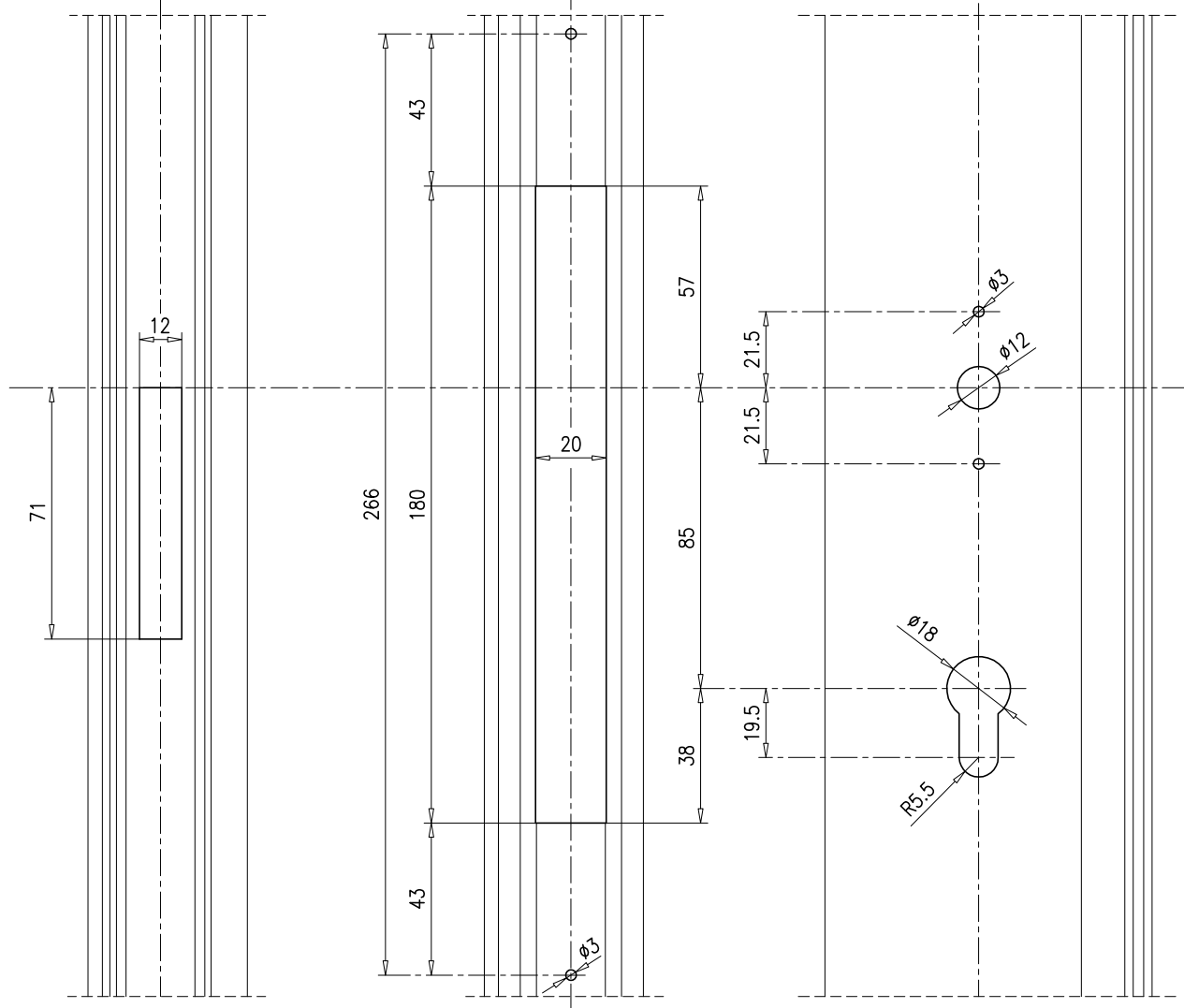
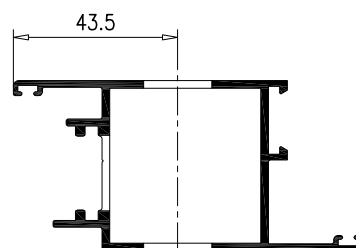
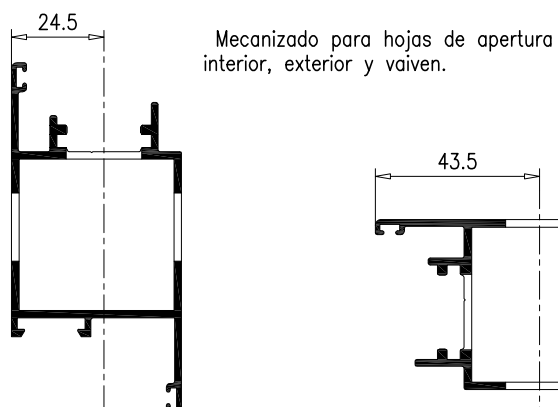
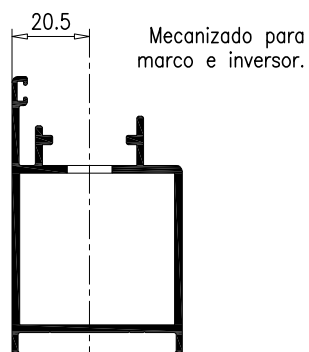
CERRADURAS DE PALANCAS DESLIZANTES



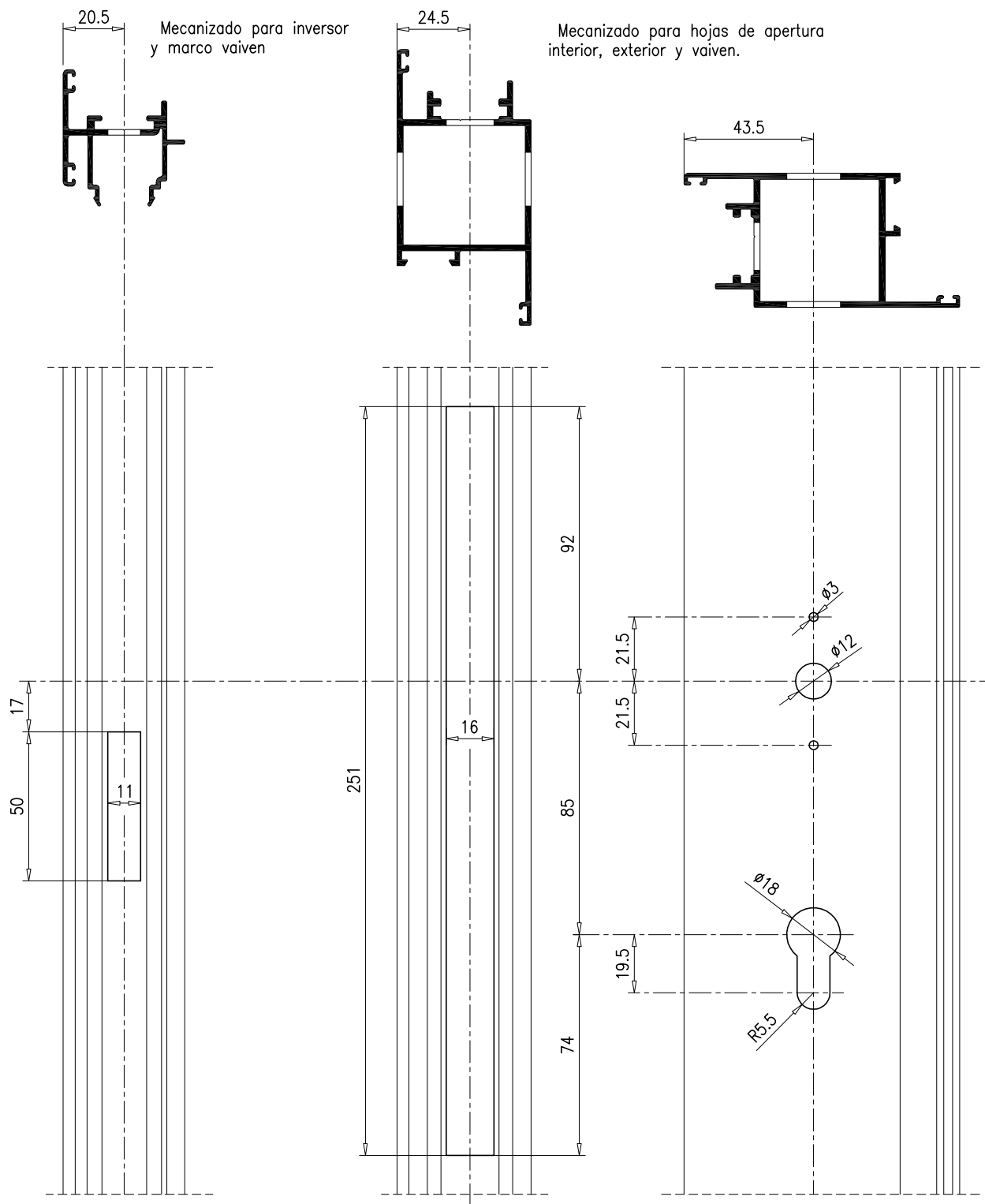
CERRADURA DE 3 PUNTOS: 04.C3P.E01

CERRADEROS PARA CERRADURA 3 PUNTOS: 04.CER.E03+(2)04.CER.E04

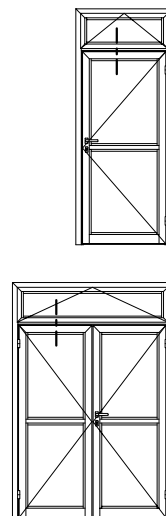
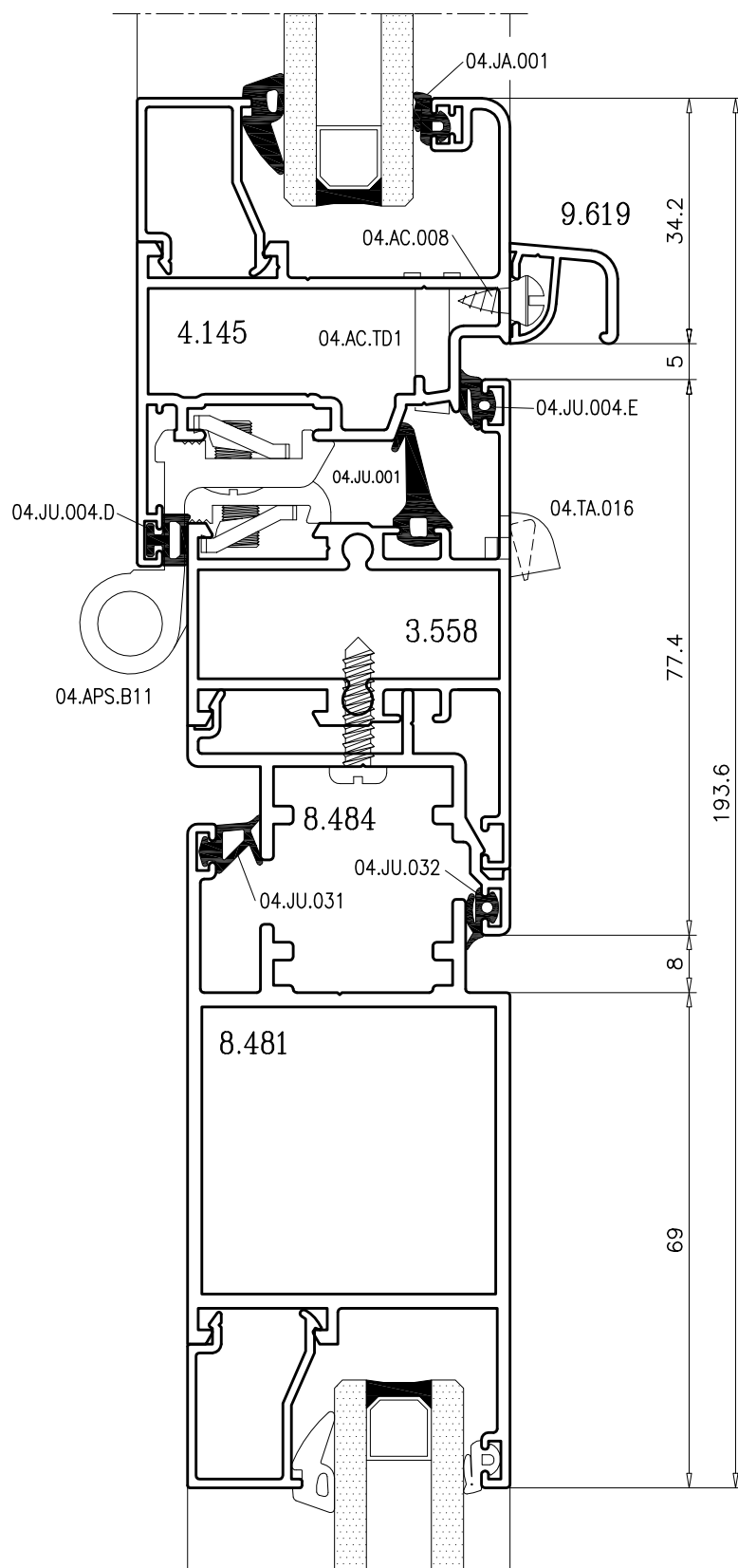
MECANIZADO DE MARCO Y HOJA PARA CERRADURAS DE 1 PUNTO DE PALANCA BASCULANTE; 04.C1P.001, 04.C1P.002 Y 04.C1P.003

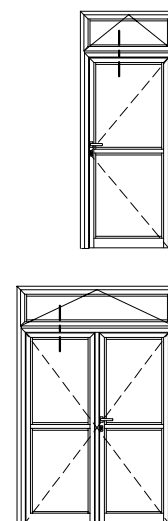
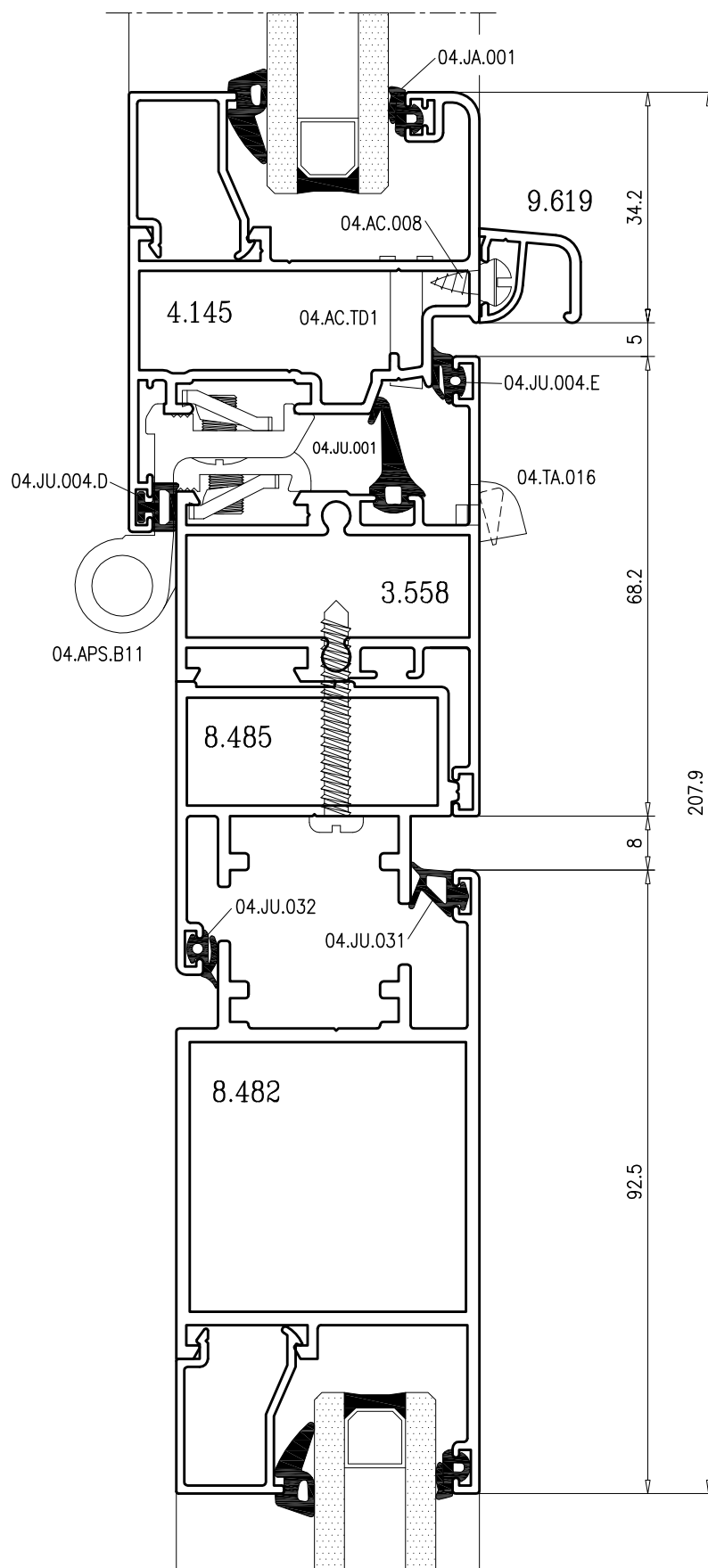


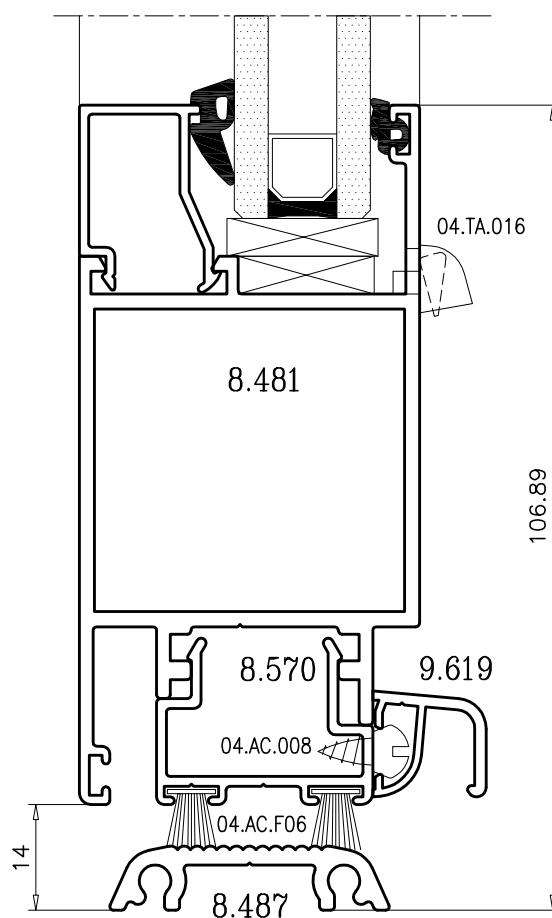
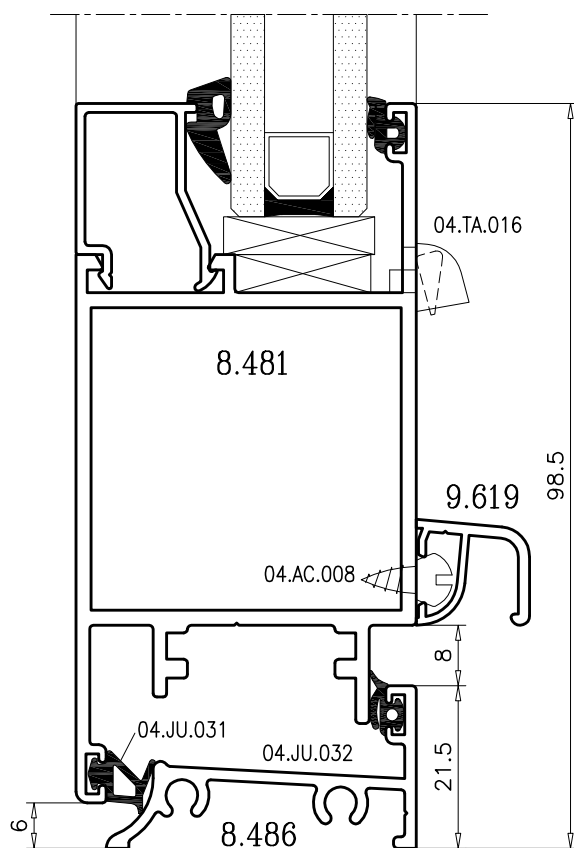
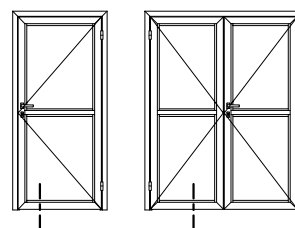
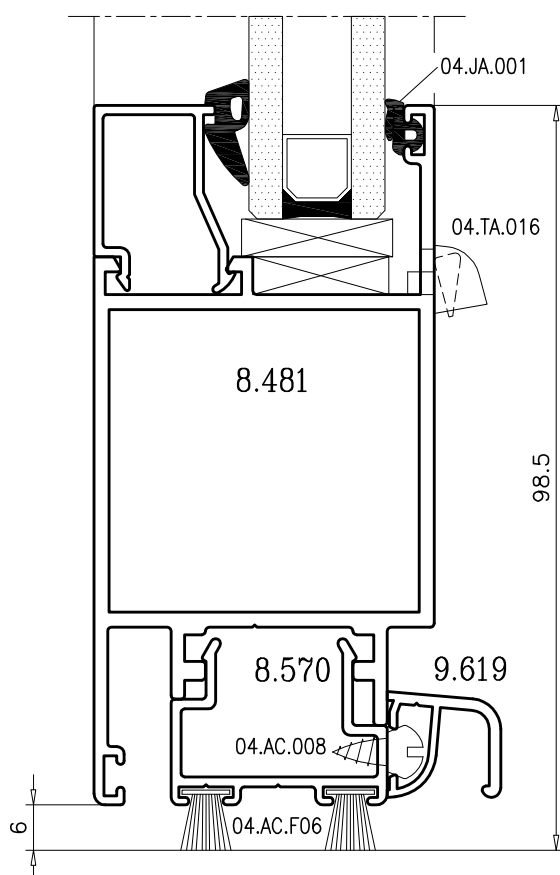
MECANIZADO DE MARCO Y HOJA PARA CERRADURAS DE 1 PUNTO DE PALANCA DESLIZANTE; 04.C1P.E01 Y 04.C1P.E02

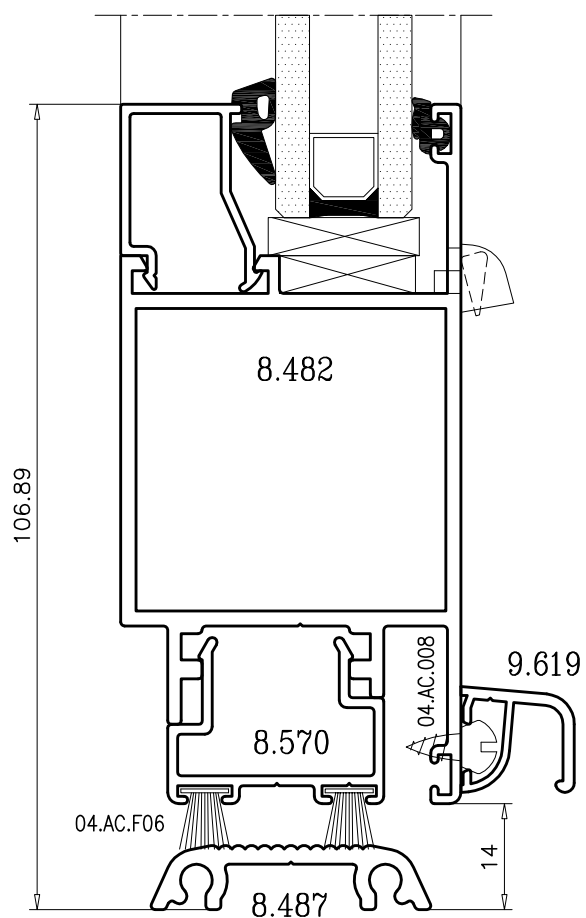
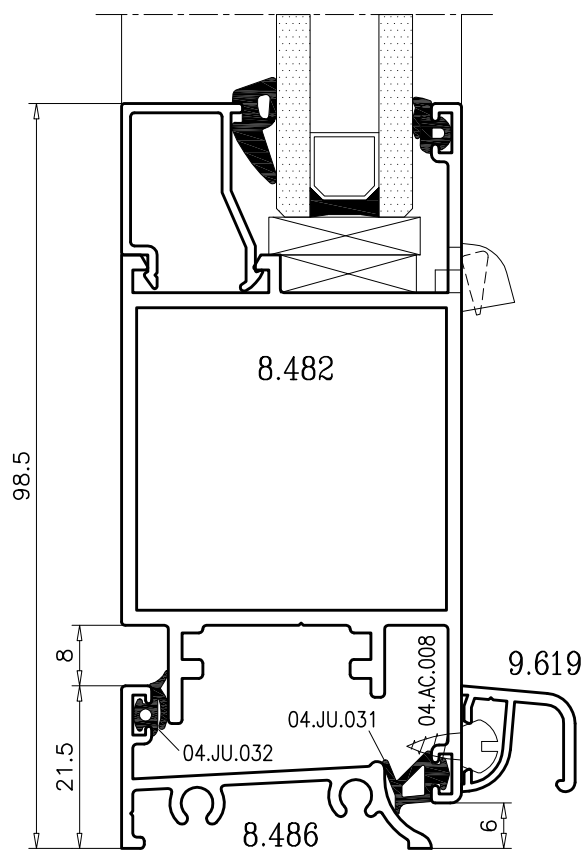
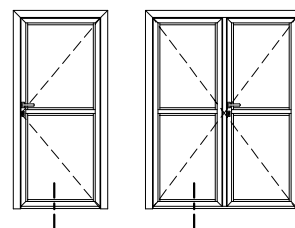
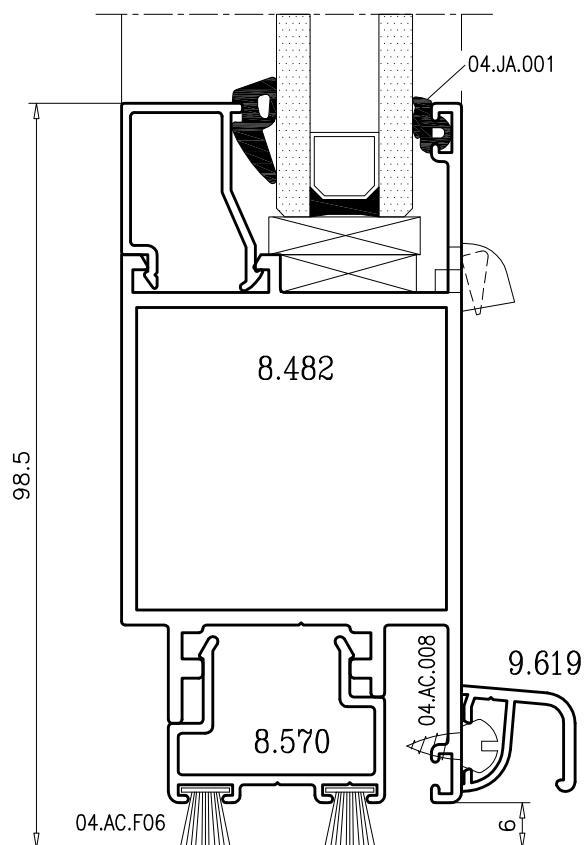


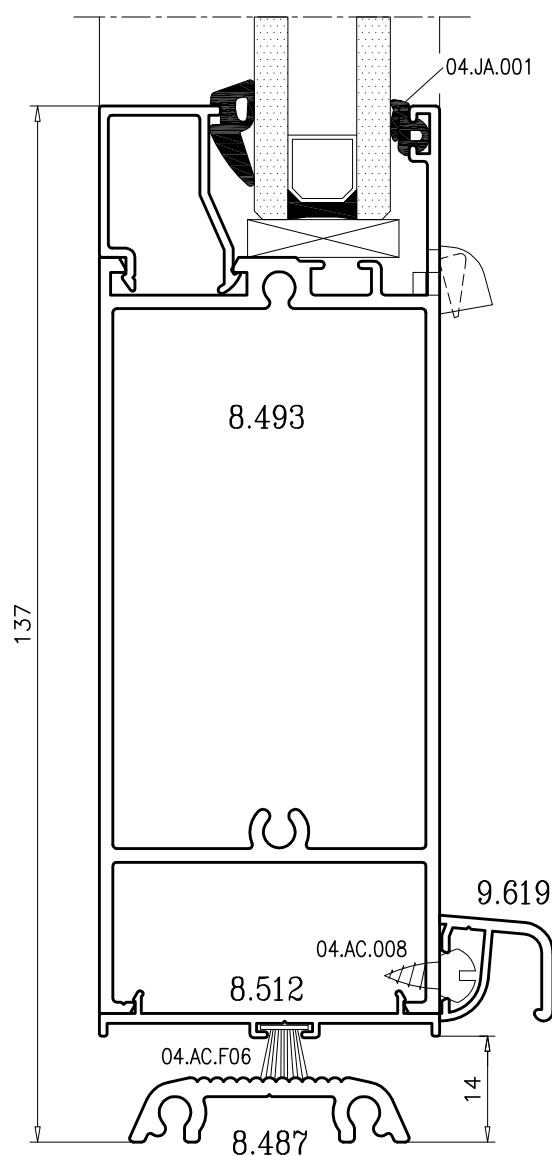
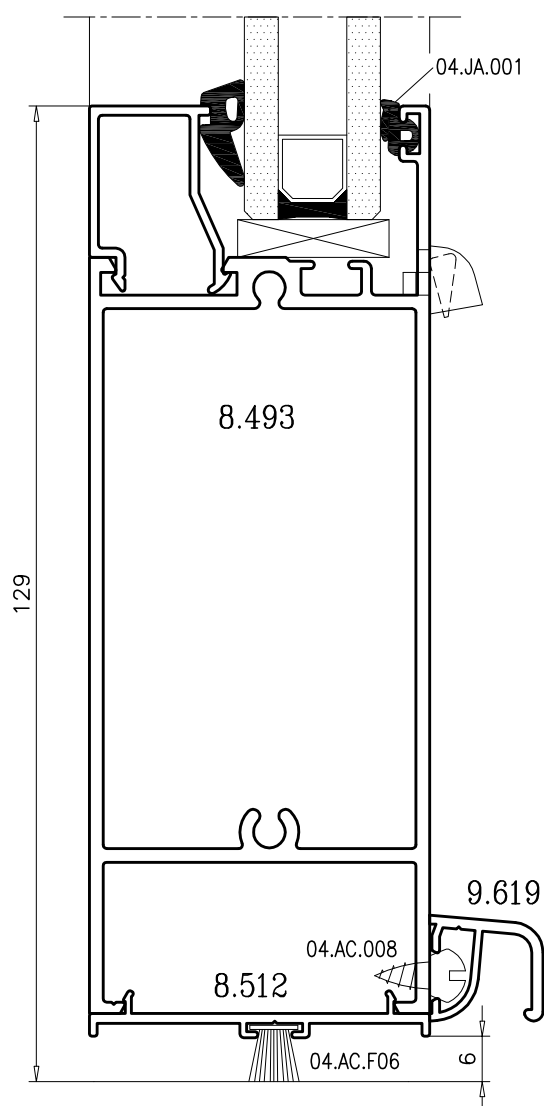
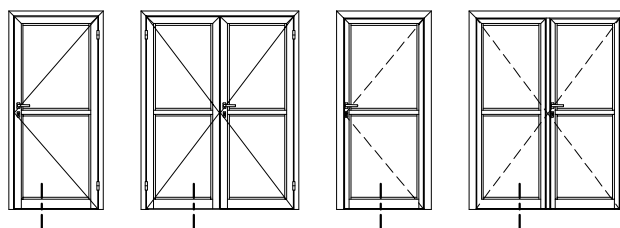




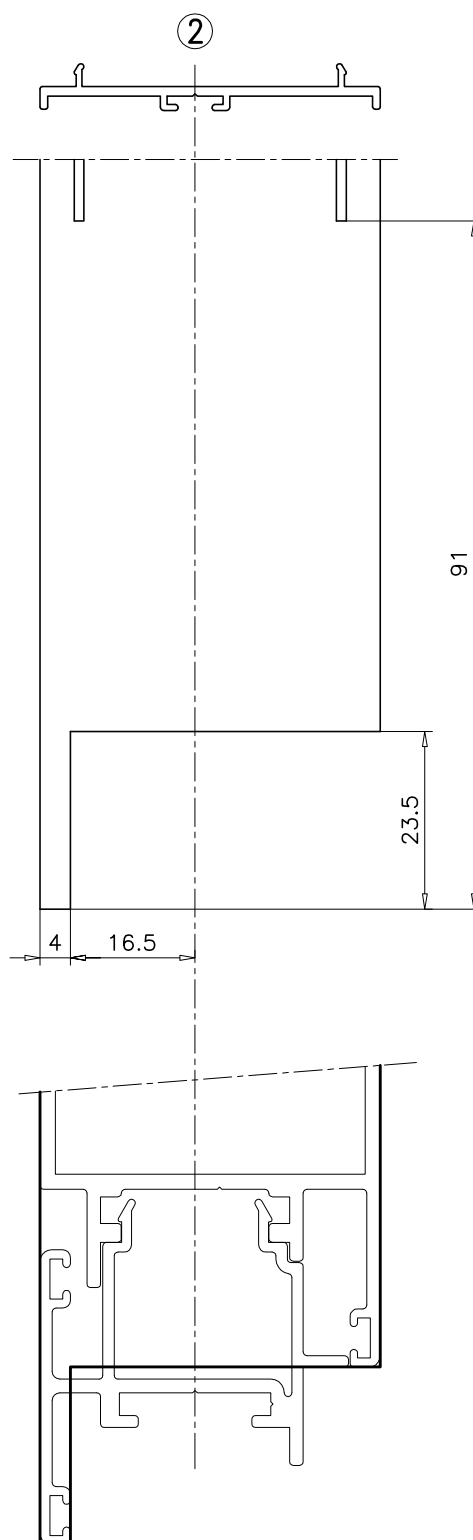
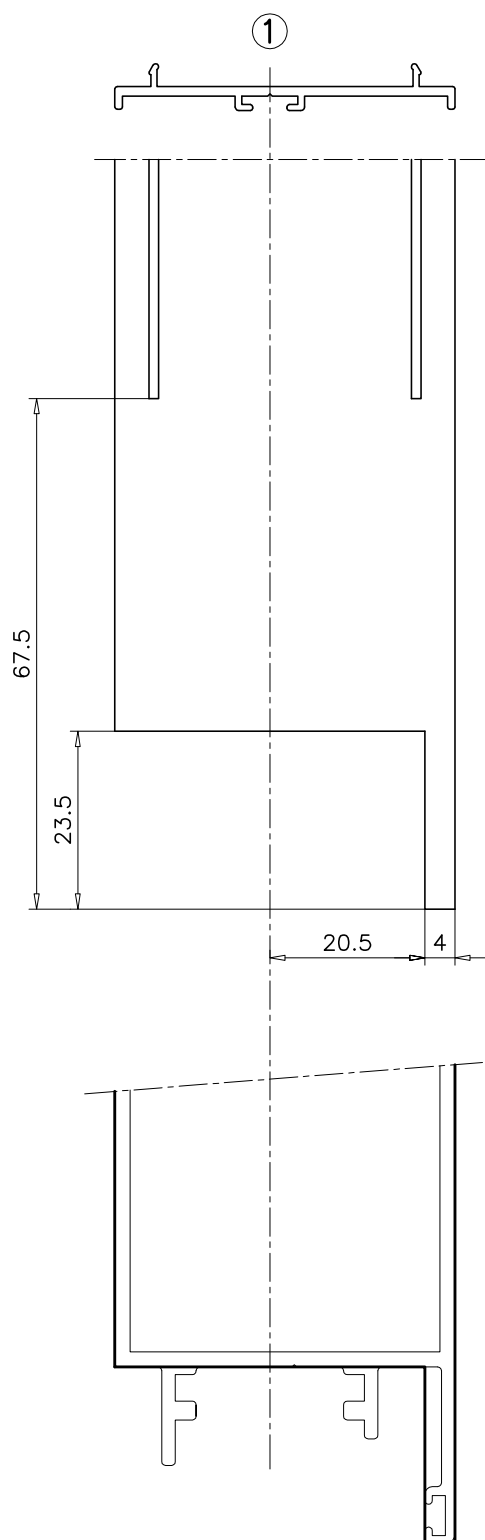
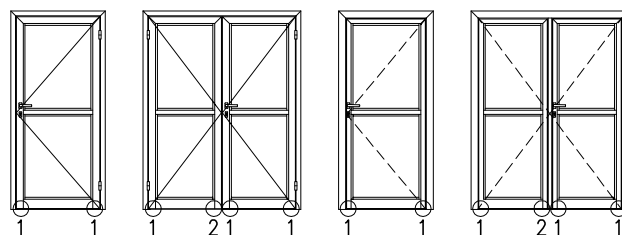




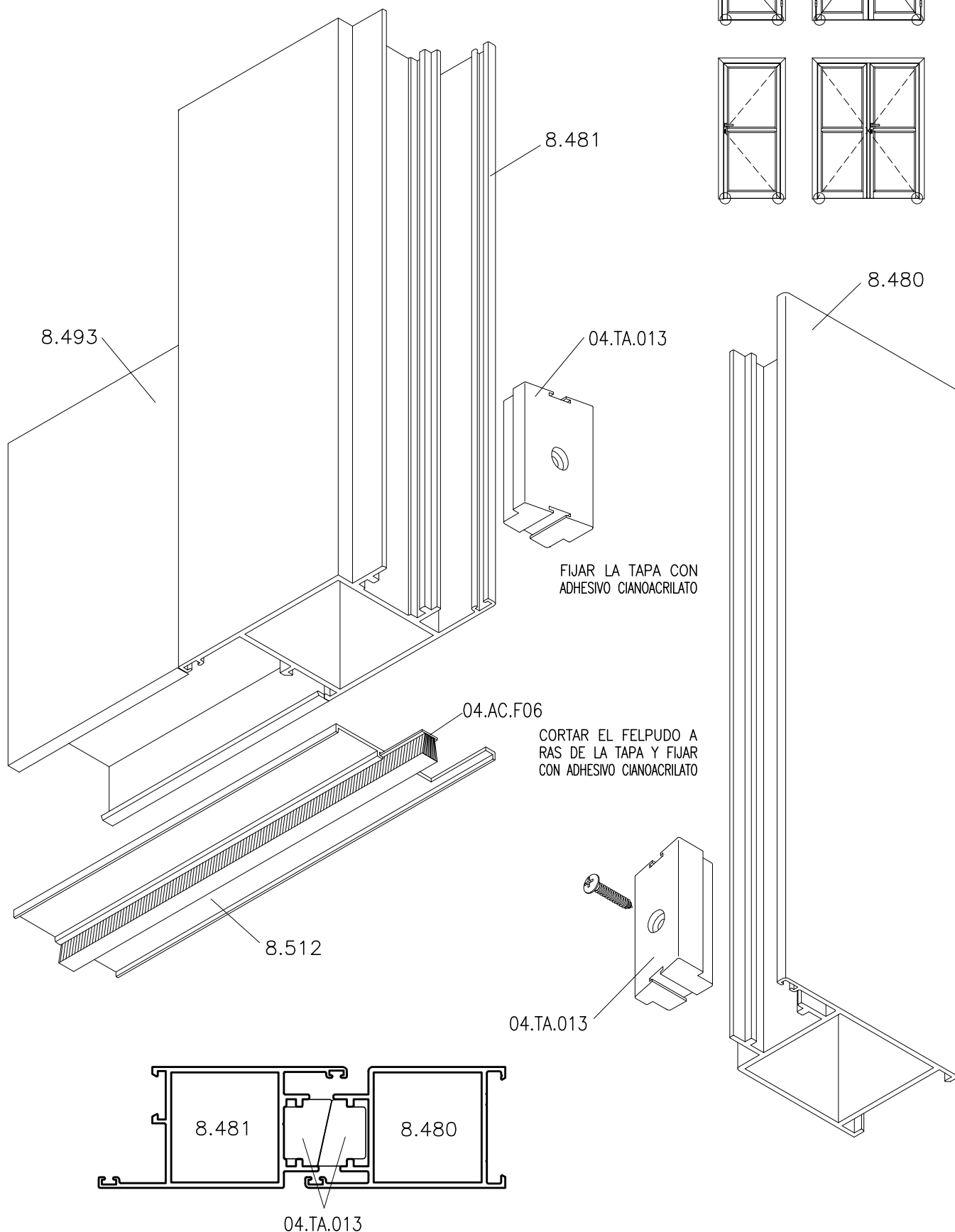
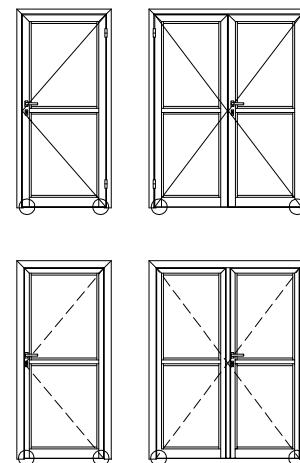




MECANIZADO TAPA CORTAVIENTOS INFERIOR 8.512

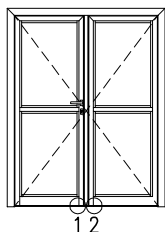
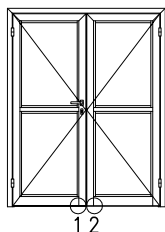


MONTAJE DE TAPAS INFERIORES PARA CONTINUIDAD DE ESTANQUEIDAD

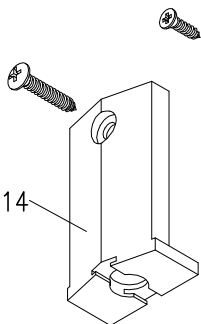


MONTAJE DE TAPAS INFERIORES PARA CONTINUIDAD DE ESTANQUEIDAD

PUERTA DE 2 HOJAS CON ZOCALO INFERIOR
OPCIONES DE PASADORES OCULTOS: 04.BP.P01
04.BP.P02
04.BP.P03
04.BP.P04



04.BP.P02



04.TA.014

SI SE UTILIZA EL PASADOR 04.BP.P01, LA TAPA SE FIJA CON ADHESIVO CIANOACRILATO, Y NO SE COLOCAN LOS TERMINALES DE PLASTICO AL PASADOR.

8.481

8.493

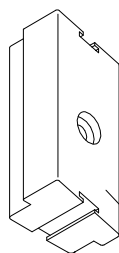
8.483

2

04.AC.F06



04.BP.P05



04.TA.013

FIJAR LA TAPA CON ADHESIVO CIANOACRILATO

1

04.AC.006

CORTAR LOS FELPUDOS A RAS DE LAS TAPAS Y FIJAR CON ADHESIVO CIANOACRILATO

8.512

04.TA.013

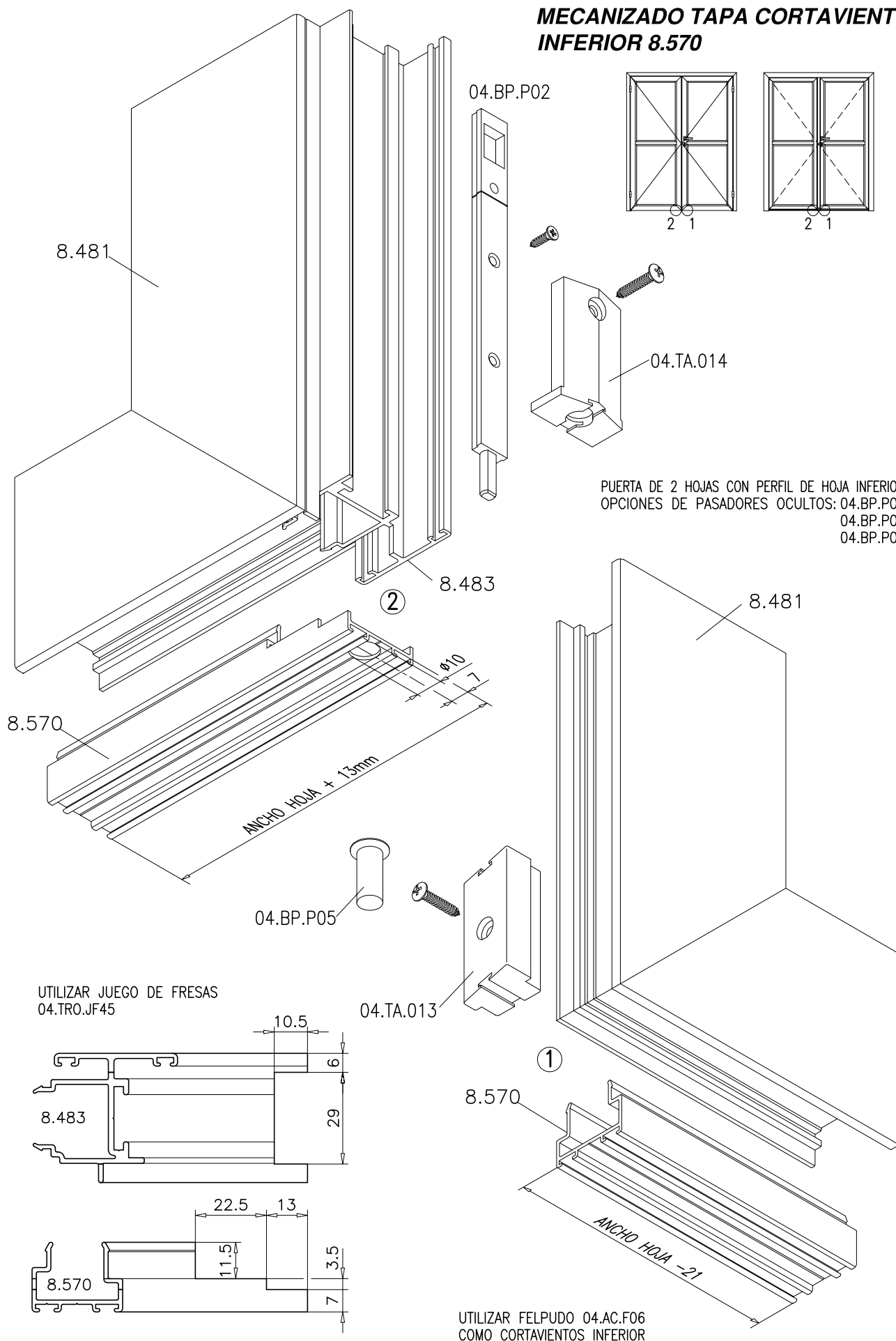
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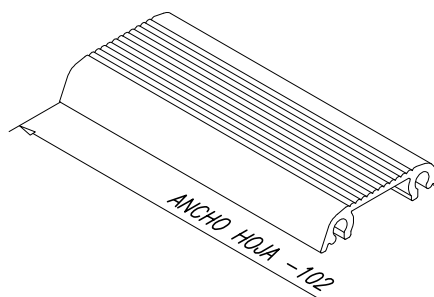
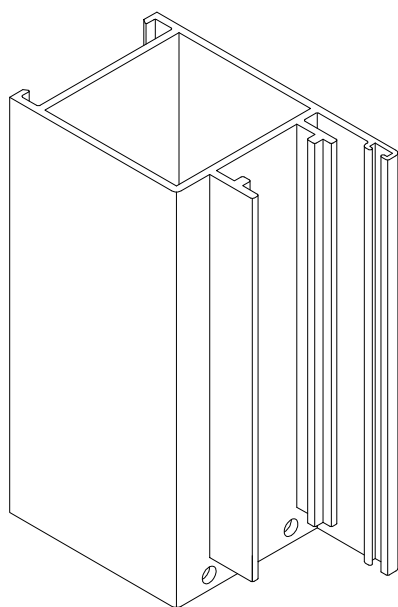
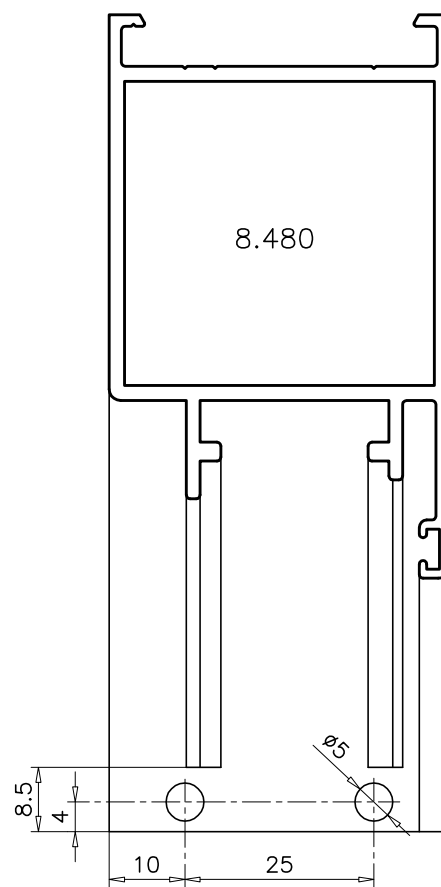
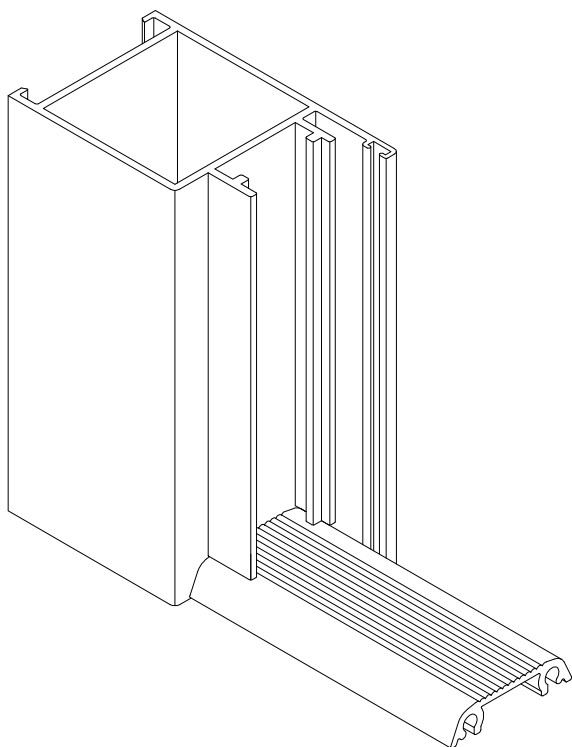
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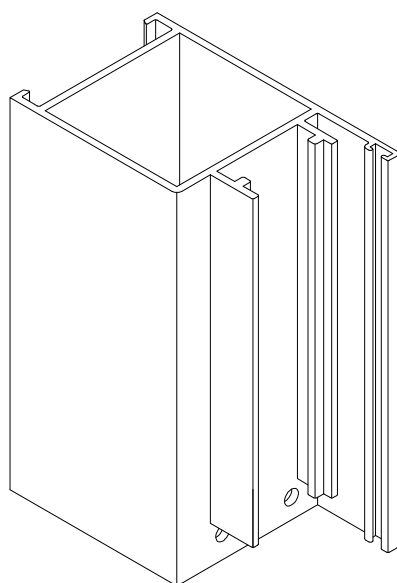
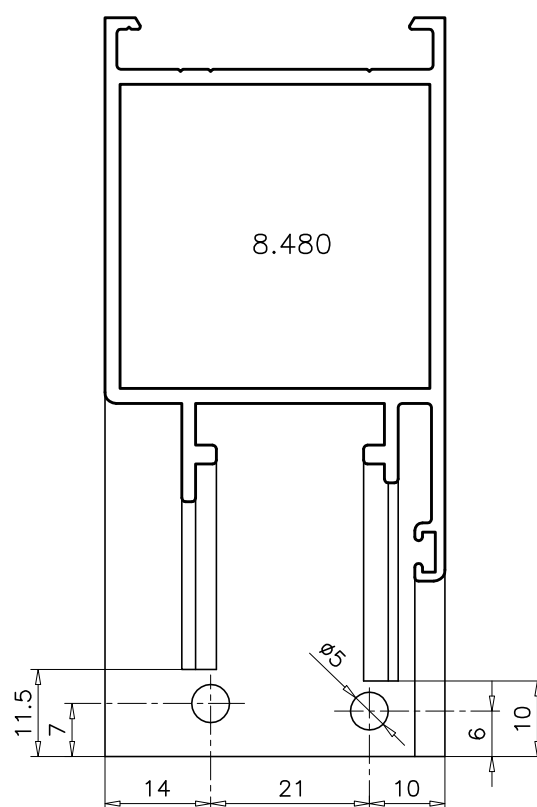
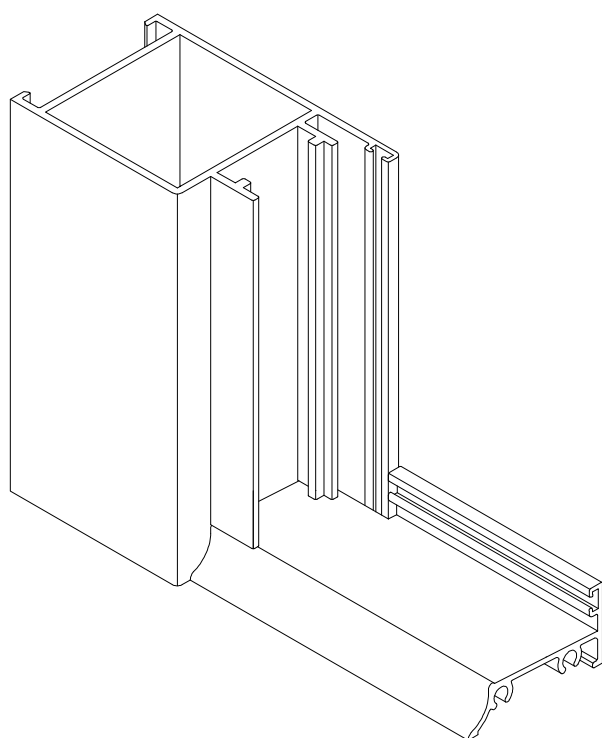
8.481

8.481

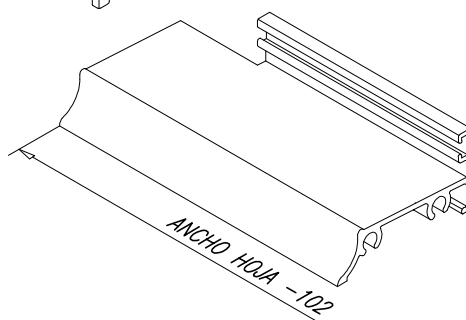
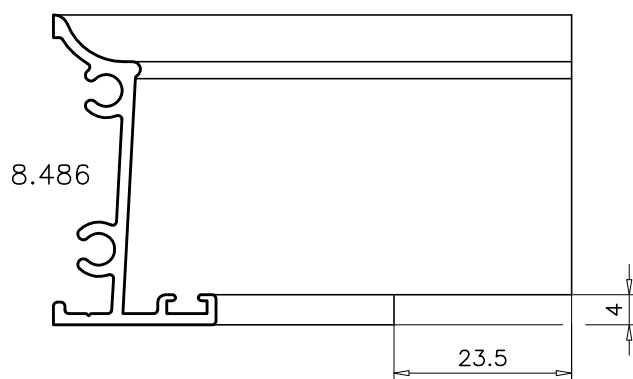
MECANIZADO TAPA CORTAVIENTOS INFERIOR 8.570







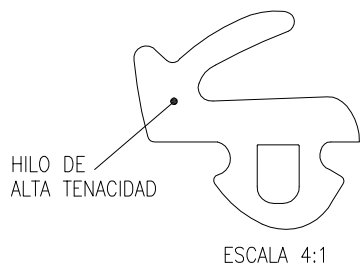
UTILIZAR JUEGO DE FRESAS
04.TRO.JF45



JUNTAS DE ACRISTALAMIENTO PERIMETRALES

JUNTA EXTERIOR: Fabricada en EPDM peróxido, incorpora en su interior un hilo resistente de alta tenacidad que permite ser montada de forma perimetral. (sin cortes en los ángulos).

REFERENCIA		ANCHO
04.JA.001		2.5 mm

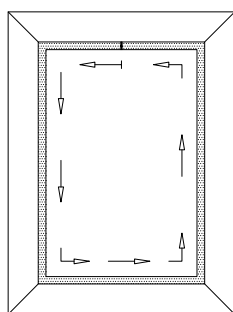


CARACTERISTICAS	CONSECUENCIAS
EPDM blando Dureza 50°ShA	1. Duración prolongada en perfecto estado. 2. No transmite al vidrio las dilataciones del aluminio. 3. Rebaja notablemente la transmisión acústica. 4. Muy buen comportamiento a los rayos ultravioleta.
JUNTA PERIMETRAL	5. Estanqueidad perfecta. 6. Sencilla colocación: –Un solo corte recto. –Se monta por clipado. –Permite su sustitución. –Ahorro de materia y tiempo. 7. Mejora la estética.
HILO INTERIOR	8. Facilita la colocación. 9. Elimina los estiramientos y su posterior encogimiento.

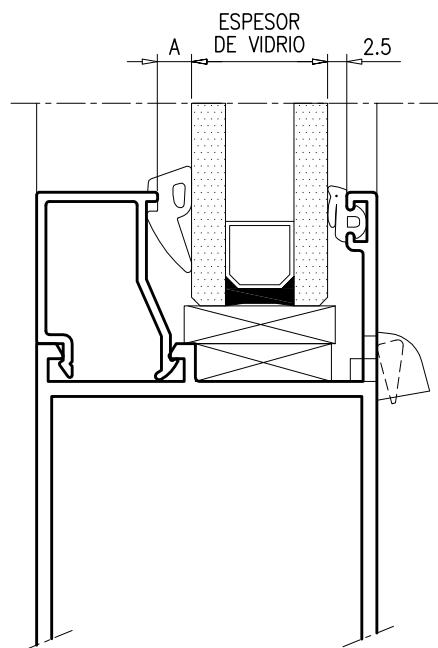
CUÑAS INTERIORES: Fabricadas en EPDM flexible con geometría basada en una parte superior con cámara y una inferior precortada que permite su colocación perimetral. (sin cortes en los ángulos).

REFERENCIA		A (mm)
04.JA.002		2.0/3.0
04.JA.003		2.5/4.0
04.JA.004		3.5/5.5
04.JA.005		5.0/7.0
04.JA.006		6.0/8.0
04.JA.007		7.0/10.0

CARACTERISTICAS	CONSECUENCIAS
EPDM	1. Duración prolongada en perfecto estado. 2. No transmite al vidrio las dilataciones del aluminio. 3. Rebaja notablemente la transmisión acústica.
CÁMARA SUPERIOR	4. Perfecto acoplamiento al vidrio 5. Independencia vidrio-carpintería
PRE – CORTADA	6. Un solo corte recto.
PERIMETRAL	7. Perfecta estanqueidad. 8. Ahorro de materia y tiempo. 9. Mejora la estética.



Tanto la junta exterior como la interior se colocan comenzando por la mitad del travesaño superior, rodeando el marco sin cortarlas en las esquinas para terminar pegando con cianoacrilato el único corte que llevan las juntas en la parte superior.



REFERENCIA	DENOMINACION	Peso Teórico Kg/m	Perímetro m ² /m		REFERENCIA	DENOMINACION	Peso Teórico Kg/m	Perímetro m ² /m	
			Total	Exterior				Total	Exterior
1.749	Tubo Ø50	0.617	0.31	0.16	8.487	MARCO INFERIOR	0.348	0.12	
2.797	Premarco de Obra 36mm	0.313	0.19	0.11	8.489	MARCO VAIVEN	0.397	0.20	
3.354	Marco Ventana	0.786	0.40	0.27	8.490	ACOPLE HOJA VAIVEN	0.419	0.21	
3.358	Junquillo Recto C-10	0.284	0.18		8.491	Tapajuntas 25mm	0.167	0.10	
3.360	Junquillo Recto C-19	0.238	0.15		8.493	ZOCALO INFERIOR	1.655	0.69	0.43
3.491	Marco Puerta 63mm	0.888	0.44	0.30	8.512	PORTAFELPUDOS ZOCALO INFERIOR	0.194	0.12	
3.494	Tapajuntas 40mm	0.324	0.19		8.564	Panelado 20mm	0.913	0.52	0.25
3.558	Pilastra Ventana autorroscada	0.959	0.47	0.34	8.570	PORTAFELPUDOS HOJA INFERIOR	0.302	0.18	
3.686	Pletina Falleba	0.157	0.10		8.611	HOJA VAIVEN	1.175	0.51	0.33
4.145	Hoja Ventana	0.953	0.49	0.35	9.007	Junquillo Curvo grapa C-19	0.194	0.12	
3.916	Pilastra Zócalo	1.536	0.68	0.46	9.008	Junquillo Curvo clip C-19	0.235	0.15	
4.525	Unión de marcos	0.316	0.19		9.009	Junquillo Redondo grapa C-19	0.178	0.11	
4.750	Esquinero Regulable	0.308	0.18		9.010	Junquillo Redondo clip C-19	0.219	0.14	
5.070	Junquillo Curvo grapa C-13	0.213	0.13		9.025	Junquillo Recto C-13	0.270	0.17	
5.071	Junquillo Curvo grapa C-25	0.173	0.11		9.026	Junquillo Recto C-25	0.221	0.14	
5.612	Junquillo Redondo grapa C-13	0.203	0.12		9.027	Junquillo Curvo grapa C-31	0.157	0.10	
5.613	Junquillo Redondo grapa C-25	0.162	0.10		9.028	Junquillo Curvo clip C-31	0.213	0.13	
5.728	Tapeta	0.197	0.12		9.213	Premarco de Obra 36mm	0.329	0.20	
6.070	Tapajuntas 30mm	0.297	0.18		9.484	Panelado 8.5mm	0.605	0.33	0.17
6.179	Junquillo Curvo clip C-13	0.262	0.16		9.619	Vierteaguas hoja	0.157	0.10	
6.180	Junquillo Curvo clip C-25	0.216	0.13		9.624	Refuerzo pilastra 50	1.142	0.30	
6.181	Junquillo Redondo clip C-13	0.246	0.15		9.771	Solape clipado 40mm	0.343	0.21	
6.182	Junquillo Redondo clip C-25	0.200	0.13		10.056	MARCO 48.5mm	0.878	0.40	0.28
7.056	Marco Ventana con tapajuntas	0.896	0.45	0.32	10.115	Junquillo Redondo grapa C-28	0.143	0.10	
7.057	Esquinero 45°	0.559	0.27	0.16	10.116	Junquillo Redondo clip C-28	0.203	0.13	
7.058	Esquinero 90°	0.764	0.38	0.21	10.252	Junquillo Recto C-28	0.224	0.14	
7.059	Unión de marcos reforzada	1.172	0.54	0.29	10.815	Junquillo Curvo grapa C-10	0.243	0.13	
7.060	Unión de marcos	0.224	0.11		11.139	Junquillo Recto C-31	0.219	0.14	
7.569	Pilastra puerta reforzada	1.085	0.52	0.36	11.207	Junquillo Recto C-35.5	0.181	0.10	
7.992	Panelado 12mm	1.026	0.53	0.26					
8.425	Tapeta refuerzo pilastra	0.254	0.15						
8.426	Refuerzo pilastra	1.299	0.35						
8.431	Portafelpudos inferior	0.324	0.20						
8.465	Marco Puerta 75mm	1.136	0.49	0.32					
8.466	Pilastra reforzada	2.395	0.85	0.49					
8.480	MARCO	1.274	0.49	0.33					
8.481	HOJA	1.380	0.54	0.38					
8.482	HOJA APERTURA EXTERIOR	1.380	0.54	0.38					
8.483	INVERSOR	0.713	0.33						
8.484	ACOPLE MARCO	0.500	0.22						
8.485	ACOPLE MARCO APERTURA EXTERIOR	0.780	0.35	0.24					
8.486	MARCO INFERIOR	0.383	0.18						