

**TÜM TEKNİK PARAMETRELER,**

**KAPEDAM TARAFINDAN TS EN 14351 'A UYGUN OLARAK TEST EDİLMİŞTİR.**

**TÜM HESAP DEĞERLERİ TS EN 14351'A UYGUN OLARAK YAPILMALIDIR.**

**KATALOGDA YER ALAN AĞIRLIK BİLGİLERİ TEORİK AĞIRLIKLARDIR. PROFİL AĞIRLIKLARININ BELİRLENMESİNDE ÇUHADAROĞLU KANTAR KAYITLARI ESAS ALINACAKTIR. TEORİK VE PRATİK AĞIRLIKLAR ARASINDA  $\pm\%5$  SAPMA GÖZLENEBİLMEKTEDİR.**

**BU KATALOGTAKİ ÜRÜNLER ÇUHADAROĞLU BÜNYESİNDE TASARLANMIŞ ÖZGÜN FİKİR ÜRÜNLERİ OLUP TÜRK PATENT ENSTİTÜSÜ TARAFINDAN TESCİL EDİLMİŞ. ÜRÜNLERİMİZİN İZİNSİZ KULLANILMASI, ÜRETİLMESİ, ÇOĞALTILMASI, SATILMASI YASALARA AYKIRI DAVRANIŞ OLACAĞINDAN, BU GİBİ HAKSIZ EYLEMLERE KARŞI YASAL YAPTIRIMLAR UYGULANACAKTIR.**

**ÇUHADAROĞLU METAL SAN. VE PAZ. A.Ş.**

**BASIM TARİHİ: AĞUSTOS 2011**

Isı Yalıtımsız Pencere ve Kapı Sistemleri  
*Non - Insulated Windows and Doors Systems*

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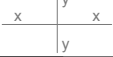
















## Profil Listesi

## List of the Profiles

Profil Şekli / Profile 	Kodu / Code	Profil Adı / Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia		Sayfa No Page
				$J_x$ (cm <sup>4</sup> )	$J_y$ (cm <sup>4</sup> )	
	03-1913	Kayıt Profili Transom-Mullion Profile	1,242	14,42	10,84	3-1
	03-1918	Kayıt Profili Transom-Mullion Profile	1,417	23,41	18,35	3-1
	03-1914	Kasa Profili Frame Profile	1,255	16,27	15,74	3-1
	03-1923	Kanat Profili (Dar) Vent Profiles	1,238	20,22	11,45	3-1
	03-2038	Kayıt Profili (Geniş) Transom-Mullion Profile	1,093	13,61	9,77	3-2
	03-1921	Kapı Kanat Profili Vent Profiles	1,533	28,29	37,39	3-2
	03-1922	Kapı Kanat Profili Vent Profiles	1,549	27,40	37,43	3-2
	03-1935	Çift Kanat Adaptör Profili Adapter Profile	1,107	13,48	8,98	3-4
	03-1915	Adaptör Profili Adapter Profile	0,570	----	----	3-4
	03-2039	Adaptör Profili Adapter Profile	0,354	----	----	3-2
	04-2056	Adaptör Profili Adapter Profile	0,411	----	----	3-2
	03-1934	90° Köşe Profili 90° Corner profile	1,130	14,67	14,67	3-3
	03-1941	90° Köşe Profili 90° Corner profile	1,404	20,82	41,89	3-3
	03-1920	135° Geniş Köşe Profili 135° Corner profile	1,360	21,63	33,13	3-3
	03-1940	135° Geniş Köşe Profili 135° Corner profile	1,151	12,90	17,90	3-3
	03-1919	135° Geniş Köşe Profili 135° Corner profile	0,980	9,67	6,79	3-3
	03-1917	Etek Profili Bottom Rail Profile	1,846	116,31	30,65	3-4
	03-1916	Takviyeli Orta Kayıt Profili Transom-Mullion Profile	1,964	112,84	21,85	3-5
	04-2066	D Kasa Profili Shaped Profile	2,520	232,05	25,99	3-4

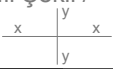








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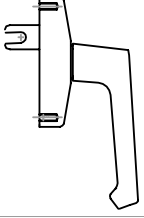
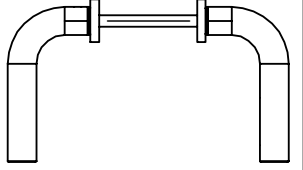
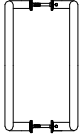

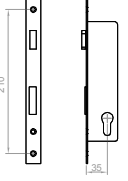

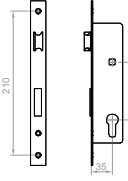
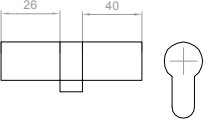
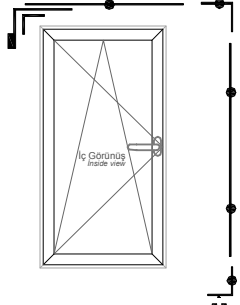
## List of the Profiles

Profil Şekli / Profile 	Kodu / Code	Profil Adı / Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia		Sayfa No Page
				$J_x$ (cm <sup>4</sup> )	$J_y$ (cm <sup>4</sup> )	
	05-2245	109° Geniş Köşe Profili 109° Joint Profile	1,188	11,19	21,01	3-3
	50 E 98	Dilli Kilit Karşılığı Plate	0,421	----	----	3-5
	00-1322	T Profili T Profile	0,186	----	----	3-5
	40 E 71	Cam Çıtası Glazing Bead	0,202	----	----	3-6
	3144	Cam Çıtası Glazing Bead	0,223	----	----	3-6
	3145	Cam Çıtası Glazing Bead	0,235	----	----	3-6
	2606	Cam Çıtası Glazing Bead	0,286	----	----	3-6
	3108	Cam Çıtası Glazing Bead	0,306	----	----	3-6
	3109	Cam Çıtası Glazing Bead	0,310	----	----	3-6
	3110	Cam Çıtası Glazing Bead	0,322	----	----	3-6
	3111	Cam Çıtası Glazing Bead	0,336	----	----	3-6
	3112	Cam Çıtası Glazing Bead	0,354	----	----	3-6
	3113	Cam Çıtası Glazing Bead	0,383	----	----	3-6
	3114	Cam Çıtası Glazing Bead	0,396	----	----	3-6
	3088	Köşe Takoğu Profili Corner Cleat Profile	6,099	----	----	3-8
	3091	Köşe Takoğu Profili Corner Cleat Profile	3,013	----	----	3-8
	3098	Köşe Takoğu Profili Corner Cleat Profile	4,362	----	----	3-8
	3097	Köşe Takoğu Profili Corner Cleat Profile	3,530	----	----	3-8
	3086	Köşe Takoğu Profili Corner Cleat Profile	2,068	----	----	3-8








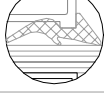

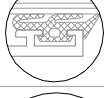



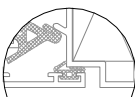





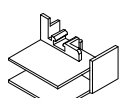

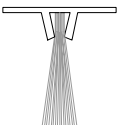
## Profil Listesi

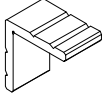

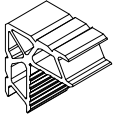
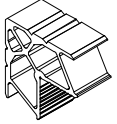
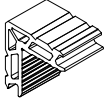
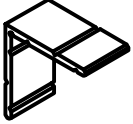






## List of the Profiles



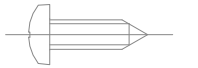
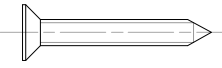
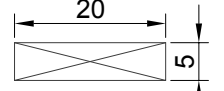
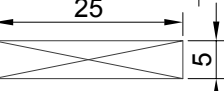
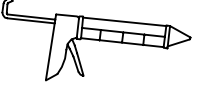
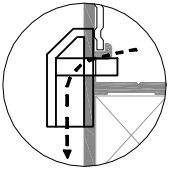
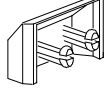
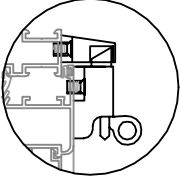
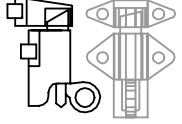
Profil Şekli / Profile 	Kodu / Code	Profil Adı / Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia		Sayfa No Page
				J <sub>x</sub> (cm <sup>4</sup> )	J <sub>y</sub> (cm <sup>4</sup> )	
39 	3093	Köşe Takozu Profili Corner Cleat Profile	3,663	----	----	3-8
40 	03-1983	Çektirme Profili Transom-Mullion Cleat	0,776	----	----	3-8
41 	97-936	Çektirme Profili Transom-Mullion Cleat	0,412	----	----	3-8
42 	04-2115	Tij Profili Push Rod Profile	0,099	----	----	3-5
43 	05-2166	T Profili T Profile	0,258	----	----	3-5
44 	04-2179	Takviye Profili Reinforcement Profile	1,172	----	----	3-5
45 	07-2703	Takviye Profili Reinforcement Profile	0,748	----	----	3-5
46 	04-2178	Takviye Profili Kapağı Cover Profile	0,256	----	----	3-5
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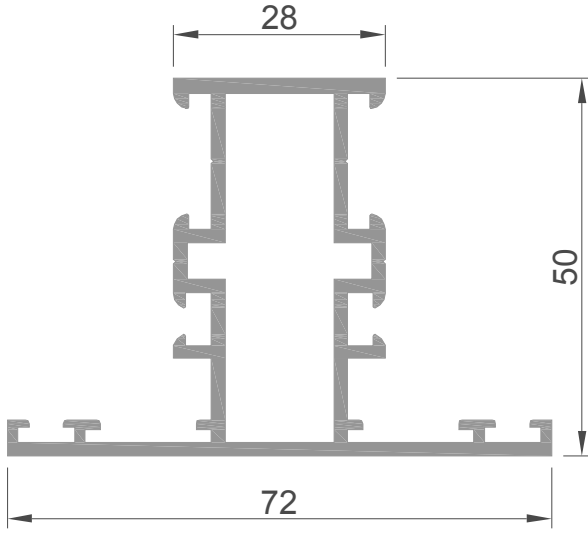
No	Aksesuar Adı Accessories Name	Kodu Code	Kullanıldığı Profiller Profiles	İmalat Ölçüleri Dimensions for Assembling	Aksesuar Accessories									
58	İspanyolet Kol Espagnolette Handle	40 D 24	03-1923	----										
59	Basma Kol Handle with Spindle	40 D 70	03-1923	----										
60	Çekme Kol C Shaped Handle	40 D 60	03-1923	----										
61	Dilli Kilit (35mm) Lock	40 D 7003	03-1923											
62	Makaralı Kilit (35mm) Lock	40 D 7004	03-1923											
63	Barel (26 x 10 x 40) Cylinder	B01 004	03-1923	----										
64	<p style="text-align: center;"><b>LM 2200</b> <b>ÇİFT EKSEN MEKANİZMASI</b> <b>(takım)</b></p> <p style="text-align: center;"><b>LM 2200 Teknik Özellikleri</b></p> <table border="1"> <thead> <tr> <th></th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>Çerçeve Genişliği</td> <td>375 mm</td> <td>1600 mm</td> </tr> <tr> <td>Çerçeve Yüksekliği</td> <td>550 mm</td> <td>2400 mm</td> </tr> <tr> <td>Çerçeve Ağırlığı</td> <td>-</td> <td>80 kg</td> </tr> </tbody> </table>		Min.	Max.	Çerçeve Genişliği	375 mm	1600 mm	Çerçeve Yüksekliği	550 mm	2400 mm	Çerçeve Ağırlığı	-	80 kg	
	Min.	Max.												
Çerçeve Genişliği	375 mm	1600 mm												
Çerçeve Yüksekliği	550 mm	2400 mm												
Çerçeve Ağırlığı	-	80 kg												

No	Aksesuar Adı Accessories Name	Kodu Code	Kullanıldığı Profiller Profiles	İmalat Ölçüleri Dimensions for Assembling	Aksesuar Accessories
65	Menteşe Hinge	40 D 22	03-1913 03-1923		
66	Menteşe Hinge	40 D 27	03-1918 03-1921		
67	Menteşe (İçe açılır) (DÜBELLİ) Hinge	40D77	03-1920 03-1922		
68	Menteşe (Dışa açılır) (YAYLI) Hinge	40D76	03-1920 03-1941		
69	Vasistas Makas (13 cm) Friction Hinge (13 cm)	40 D 26	-----	-----	
70	Vasistas Makas (22cm) Friction Hinge (22 cm)	40 D 18			
71	Vasistas Makas (30 cm) Friction Hinge (30 cm)	40 D 45			
72	Çarpma Kapı Mentеше Both Side Opening Hinge	52-111	-----		
73	İspanyolet takımı (İçe açılır kapı) Espagnolette kit (Inward opening door)	M-72	1 takım / Paket 1 kit / Pocket		
74	İspanyolet takımı (İçe açılır pencere max. 1400 mm) Espagnolette kit (Inward opening window)	M-71	1 takım / Paket 1 kit / Pocket		
75	Üstten Gömme Sürgü Bolt burying	40 D 53	-----	-----	

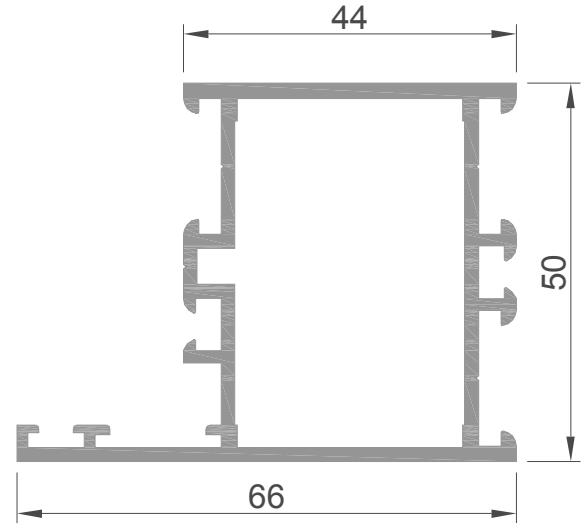
No	Aksesuar Adı Accessories Name	Kodu Code	Kullanıldığı Profiller Profiles	İmalat Ölçüleri Dimensions for Assembling	Aksesuar Accessories
76	Gömme Sürgü (Kromajlı) Bolt burying	361-068	-----	-----	
77	5 mm İç Cam Fitili 5 mm Inside Glazing Gasket	MN-201	-----		
78	4 mm İç Cam Fitili 4 mm Inside Glazing Gasket	40 D 05	-----		
79	3 mm İç Cam Fitili 3 mm Inside Glazing Gasket	40 D 03	-----		
80	2 mm İç Cam Fitili 2 mm Inside Glazing Gasket	HY-18	-----		
81	3 mm Dış Cam Fitili 3 mm Outside Glazing Gasket	40 D 02	-----		
82	4 mm EPDM İç Bini Fitili 4 mm EPDM Internal Gasket	F 04 003	-----		
83	EPDM Dış Bini Fitili EPDM External Gasket	40 D 08	-----		
84	EPDM Kasa Takoz Fitili EPDM Central Gasket	50 D 23	-----		
85	Fırça Fitili Brush Gasket	40 D 04	-----		
86	Adaptör Plastiği-(Alt-Üst) Adapter Plastic - (Bottom-Top)	50 D 61	03-1913	-----	
87	Kapı Altı Fırçası Brush Weather Strip	40 D 30	03-1917		

No	Aksesuar Adı Accessories Name	Kodu Code	Kullanıldığı Profiller Profiles	İmalat Ölçüleri Dimensions for Assembling	Aksesuar Accessories
88	Köşe Takozu Corner Cleat	X1 93 45	04-2066	---	
89	Köşe Takozu Corner Cleat	X1 91 45	03-1913	---	
90	Köşe Takozu Corner Cleat	X1 98 45	03-1914 03-1918 03-2038	---	
91	Köşe Takozu Corner Cleat	X1 88 45	03-1921 03-1922	---	
92	Köşe Takozu Corner Cleat	X1 97 45	03-1923	---	
93	Köşe Takozu Corner Cleat	X1 86 40	04-2066	---	
94	Köşe Gönyesi Mitre Joint Angle	G01 008	---	---	
95	Çelik Kör Kasa (40x20x2 mm) Steel Subframe	03-1898	---	---	
96	Isı Yalıtım Bandı Thermally Insulation Tape	ST-7-200	---	---	
97	Çelik Kör Kasa (40x30x2 mm) Steel Subframe	---	---	---	
98	YSB Saç Vidası Socket Head Screw	V1 48 50	---	---	
99	YSB Saç Vidası Socket Head Screw	V2 48 25	---	---	

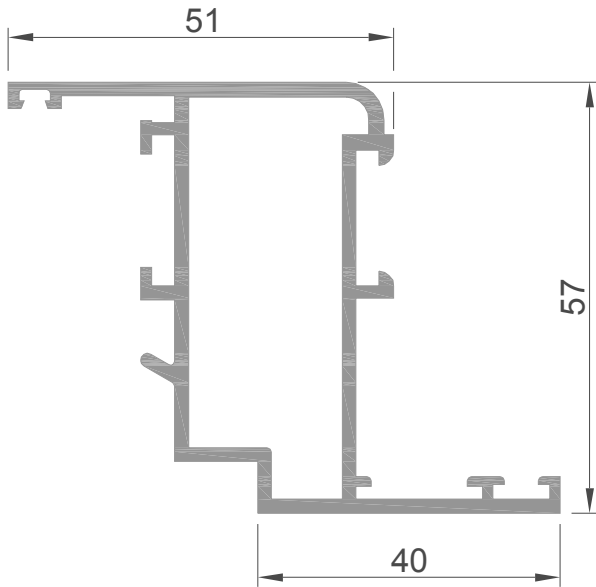
No	Aksesuar Adı Accessories Name	Kodu Code	Kullanıldığı Profiller Profiles	İmalat Ölçüleri Dimensions for Assembling	Aksesuar Accessories
100	YSB Saç Vidası Socket Head Screw	V2 42 16	----	----	
101	YSB Saç Vidası Socket Head Screw	V2 42 13	----	----	
102	YSB Saç Vidası Socket Head Screw	V2 39 13	----	----	
103	YHB Saç Vidası Countersink Screw	V1 39 25	----	----	
104	5x20 mm Plastik Cam Takoza 5 x 20 mm plastic setting block	C01 006	03-1923	----	
105	5x25 mm Plastik Cam Takoza 5 x 25 mm plastic setting block	C01 008	03-1917	----	
106	Derz dolgu silikonu WS 605 Silicone	<b>D06 001</b>	----	----	
107	Tahliye Tapası Cover Cap	40 D 13	----		
108	Vasistas Çarpma (HAM) (Eloksele uygun değildir)	40 D 19	03-1913 03-1923		
109					
110					
111					
112					



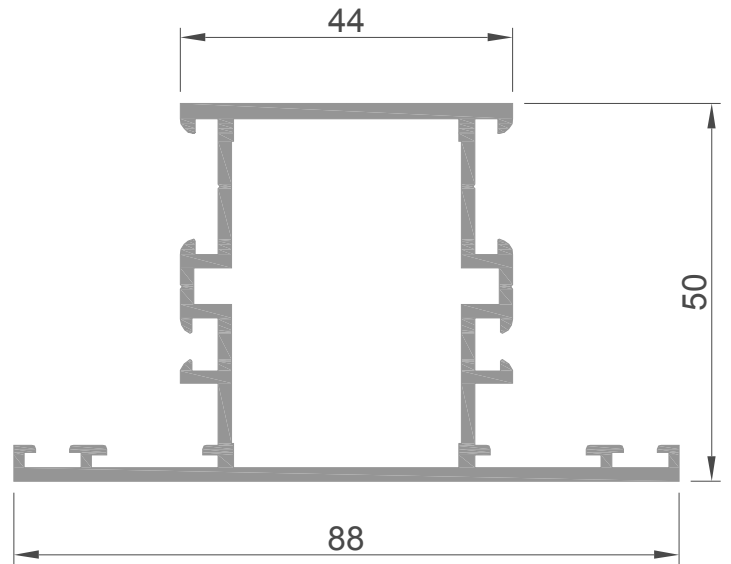
**03-1913**  
**Kayıt Profili (Dar)**  
AĞIRLIK : 1.242 kg/m  
JX: 14.42 cm<sup>4</sup>  
JY: 10.84 cm<sup>4</sup>



**03-1914**  
**Kasa Profili (Geniş)**  
AĞIRLIK : 1.255 kg/m  
JX: 16,27 cm<sup>4</sup>  
JY: 15,74 cm<sup>4</sup>



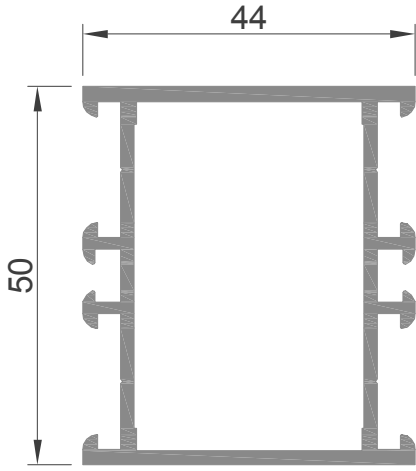
**03-1923**  
**Kanat Profili (Dar)**  
AĞIRLIK : 1.238 kg/m  
JX: 20,22 cm<sup>4</sup>  
JY: 11,45 cm<sup>4</sup>



**03-1918**  
**Kayıt Profili (Geniş)**  
AĞIRLIK : 1.417 kg/m  
JX: 23.41 cm<sup>4</sup>  
JY: 18.35 cm<sup>4</sup>

Kayıt Profilleri

Frame Profiles



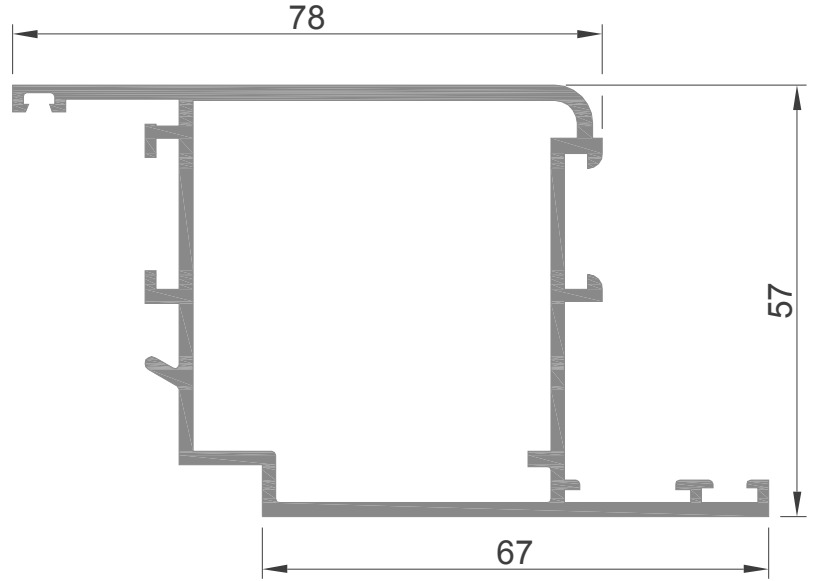
**03-2038**

Kayıt Profili (Geniş)

Ağırlık: 1.093 kg/m

JX: 13.61 cm<sup>4</sup>

JY: 9.77 cm<sup>4</sup>



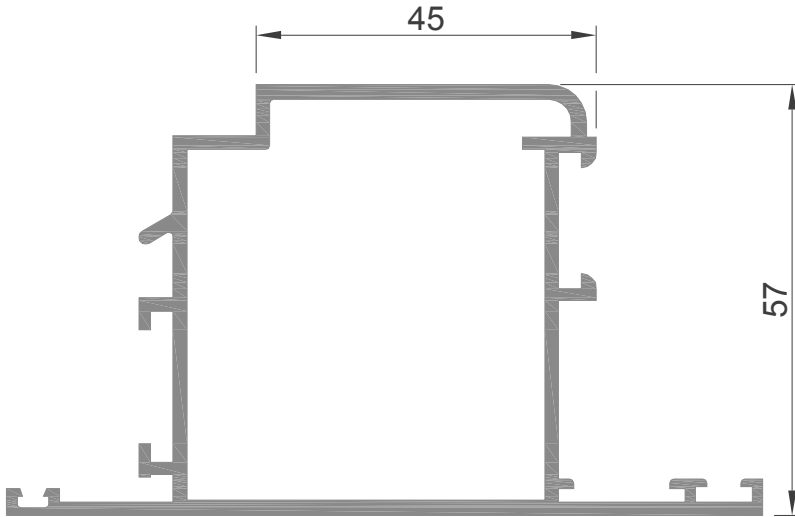
**03-1921**

İçe Açılan Kapı Kanat Profili

AĞIRLIK : 1.533 kg/m

JX: 28,29 cm<sup>4</sup>

JY: 37,39 cm<sup>4</sup>



**03-1922**

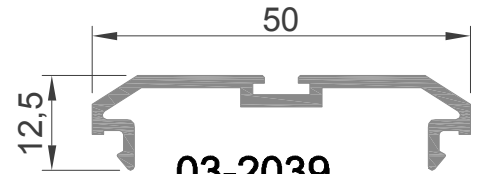
Dışa Açılan Kapı

Kanat Profili

AĞIRLIK : 1.549 kg/m

JX: 27,40 cm<sup>4</sup>

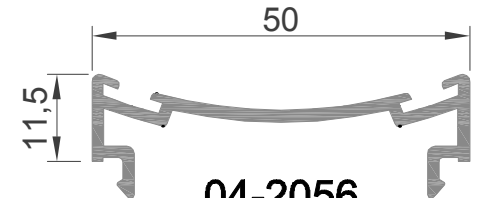
JY: 37,43 cm<sup>4</sup>



**03-2039**

Adaptör Profili

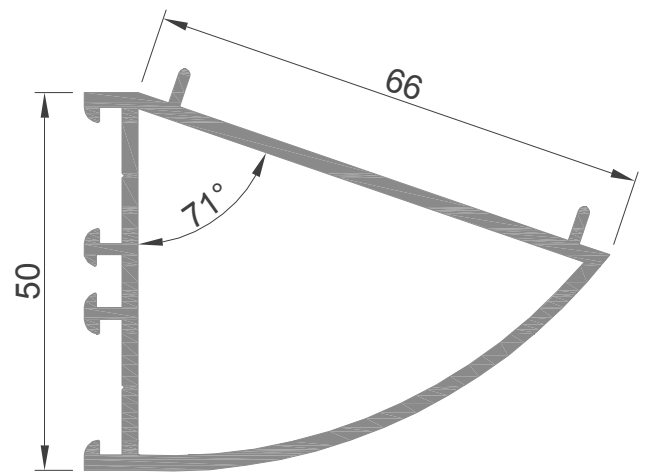
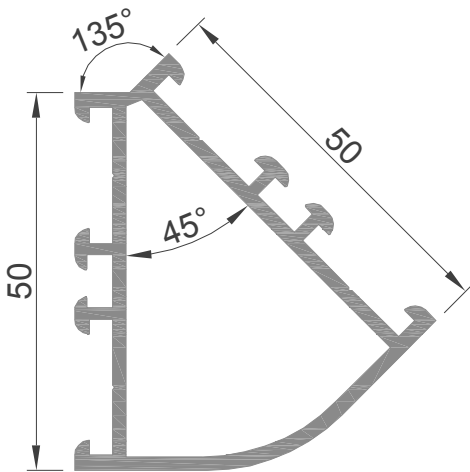
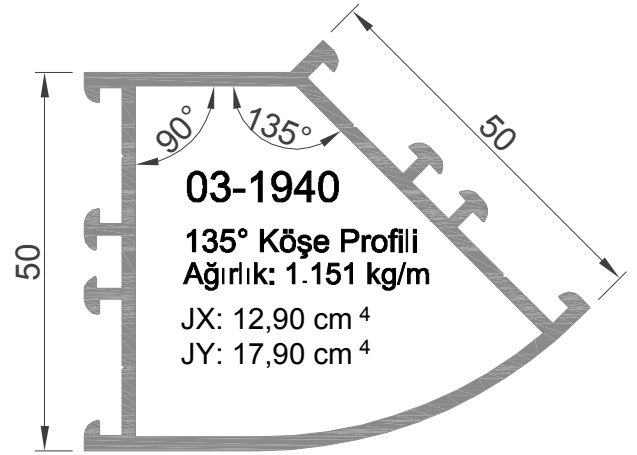
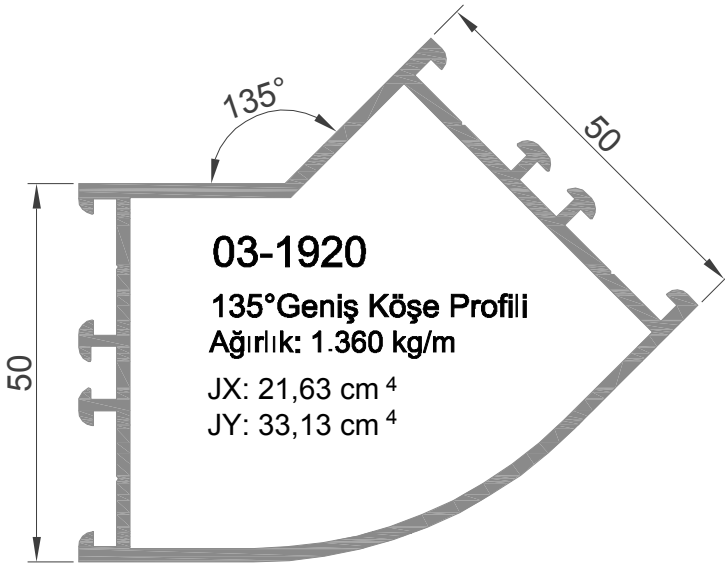
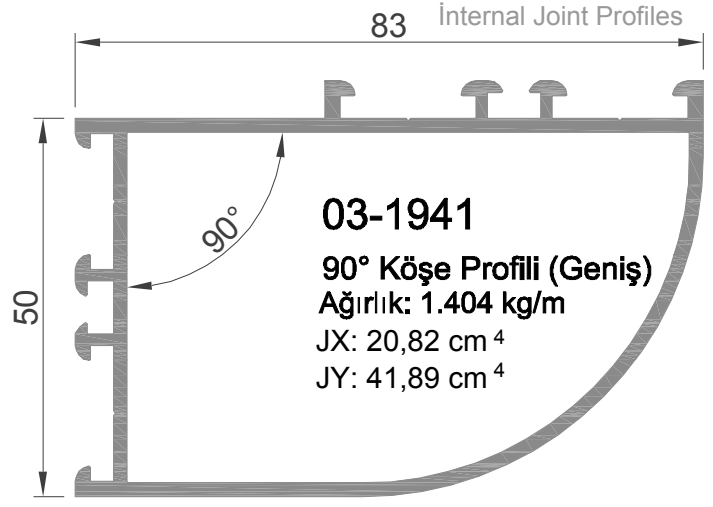
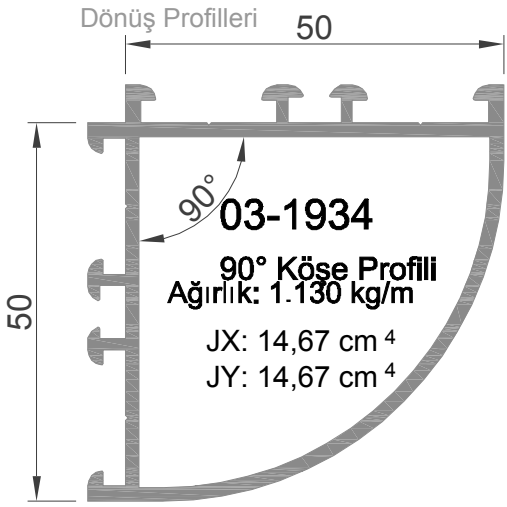
AĞIRLIK : 0.354 kg/m



**04-2056**

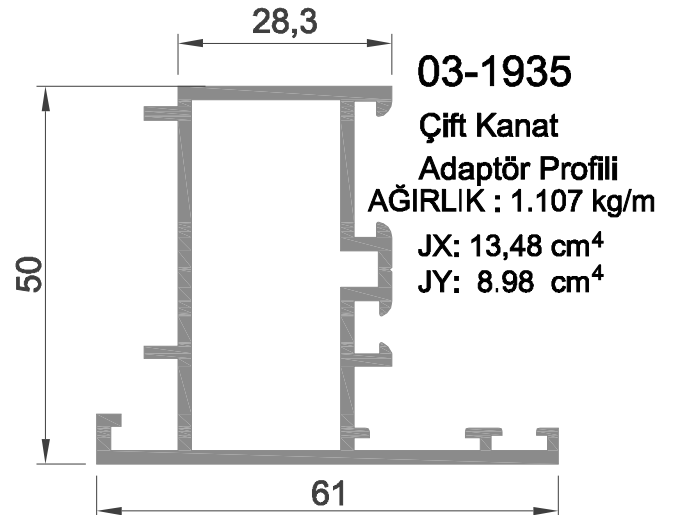
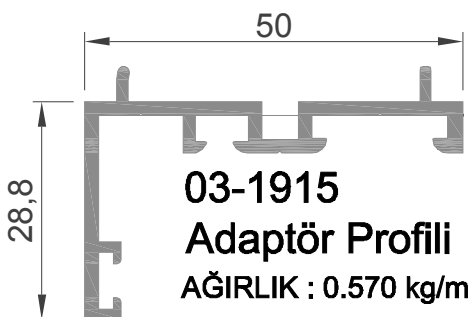
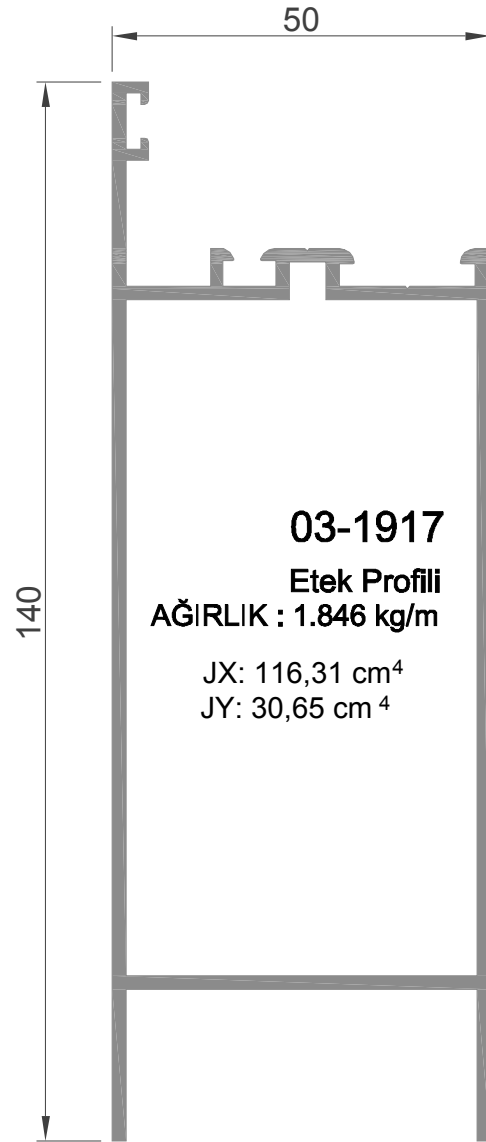
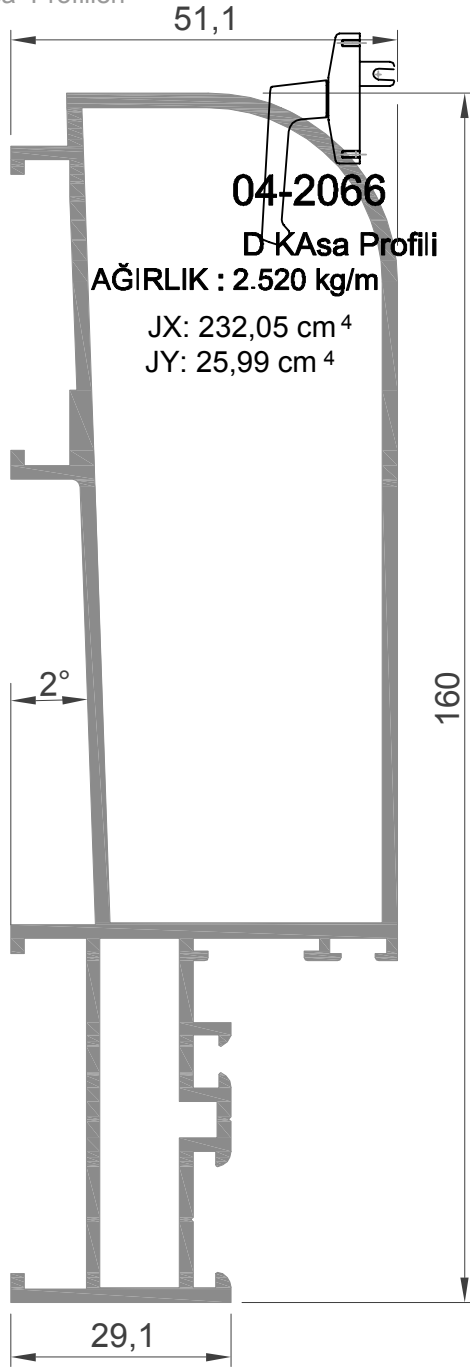
Adaptör Profili

AĞIRLIK : 0.411 kg/m



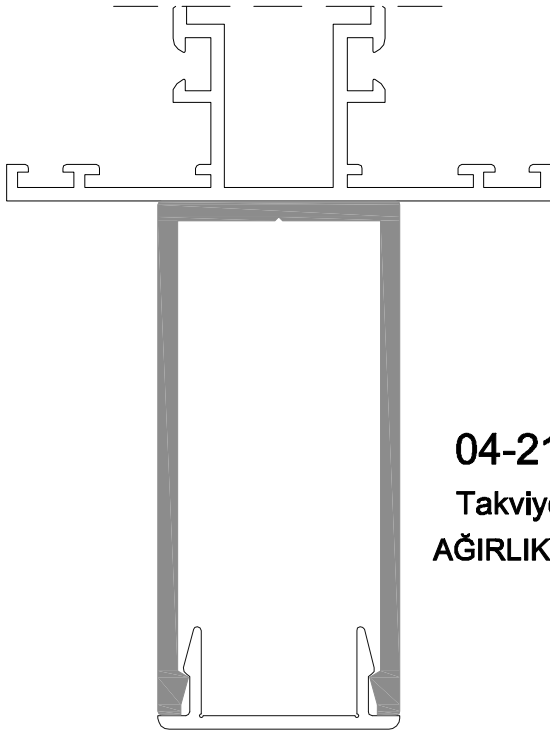
Kasa Profilleri

Frame Profiles

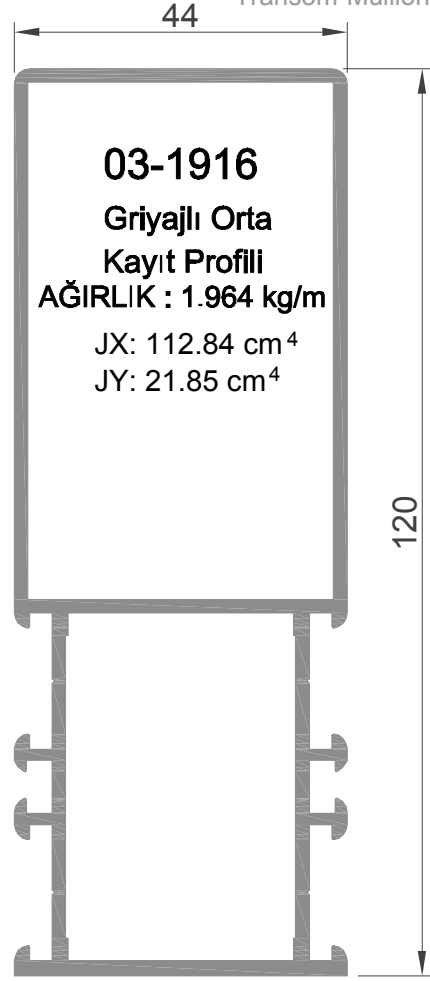


Orta Kayıt Profilleri

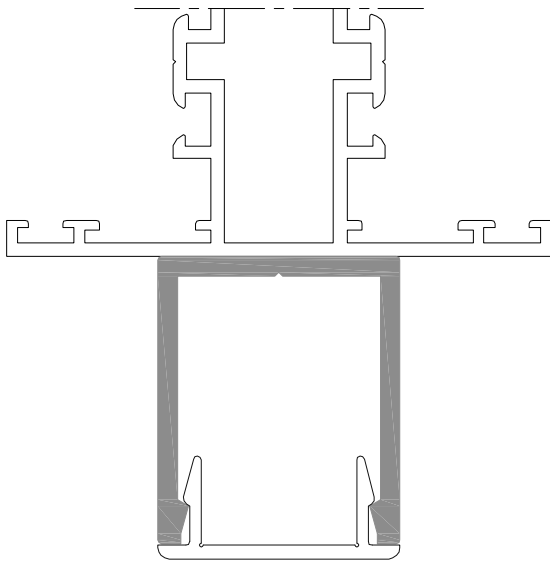
Transom-Mullion Profiles



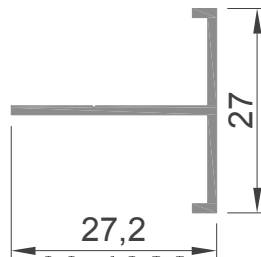
**04-2179**  
Takviye Profili  
AĞIRLIK : 1.172 kg/m



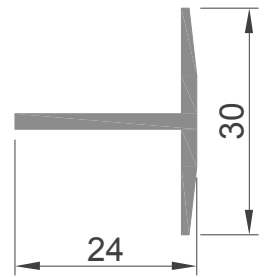
**03-1916**  
Griyajlı Orta  
Kayıt Profili  
AĞIRLIK : 1.964 kg/m  
JX: 112.84 cm<sup>4</sup>  
JY: 21.85 cm<sup>4</sup>



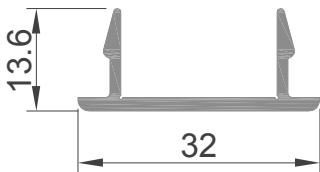
**07-2703**  
Takviye Profili  
AĞIRLIK : 0.748 kg/m



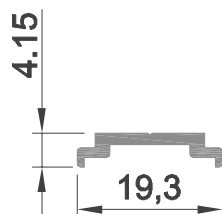
**00-1322**  
Bini Profili  
Ağırlık: 0.186 kg/m



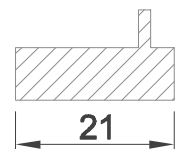
**05 2166**  
Bini Profili  
Ağırlık: 0.258 kg/m



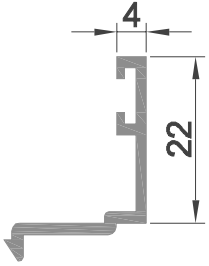
**04-2178**  
Takviye Profili Kapağı  
AĞIRLIK : 0.256 kg/m



**04-2115**  
Tij Profili  
AĞIRLIK : 0.099 kg/m  
Ağustos 2011

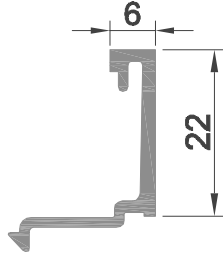


**50 E 98**  
Kilit Karşılığı Profili  
Ağırlık: 0.421 kg/m



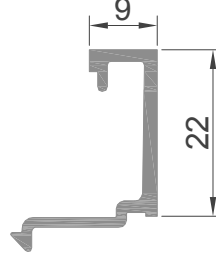
**40 E 71**

AĞIRLIK : 0.197kg/m



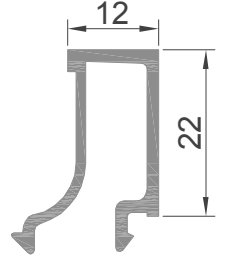
**3144**

AĞIRLIK : 0.223 kg/m



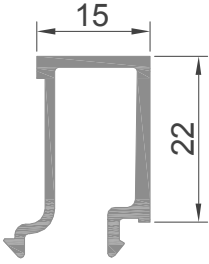
**3145**

AĞIRLIK : 0.236 kg/m



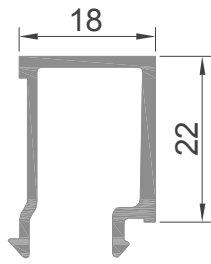
**2606**

AĞIRLIK : 0.287kg/m



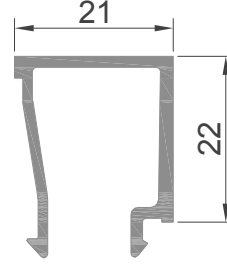
**3108**

AĞIRLIK : 0.306 kg/m



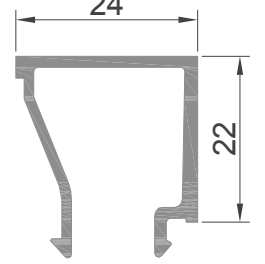
**3109**

AĞIRLIK : 0.310 kg/m



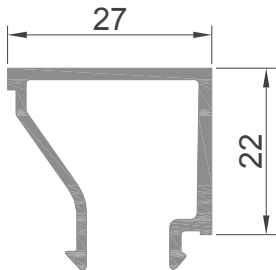
**3110**

AĞIRLIK : 0.322 kg/m



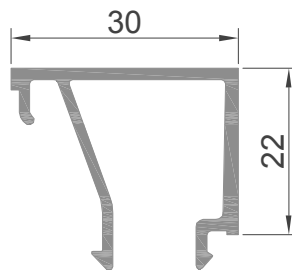
**3111**

AĞIRLIK : 0.337 kg/m



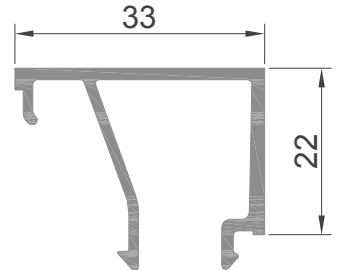
**3112**

AĞIRLIK : 0.354 kg/m



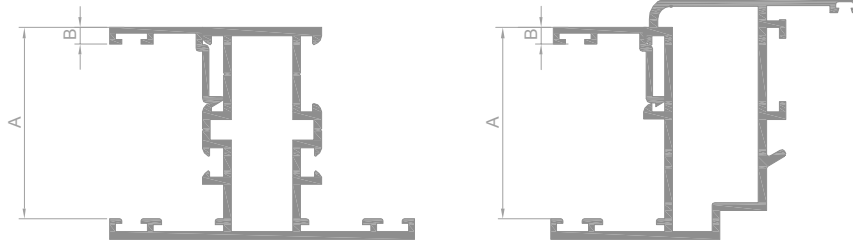
**3113**

AĞIRLIK : 0.383 kg/m



**3114**

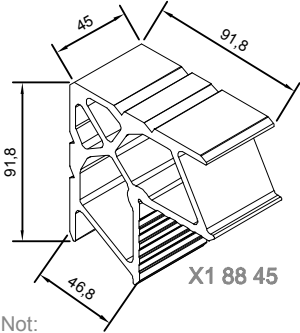
AĞIRLIK : 0.396 kg/m



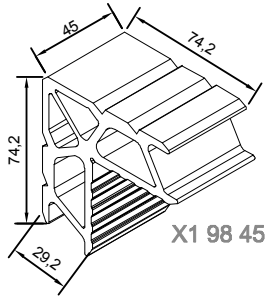
PENCERE & KAPI PROFİLLERİ / WINDOW & DOOR PROFILES (03-1913)- (03-1914) - (03-1918) - (03-1921)- (03-1922)- (03-1923)				
A = 45 mm Montaj Yüksekliği / Construction Depth				
Cam (Glass)	Cam Çıtası (Glazing Bead)	B(mm)	İç Cam Fıtlı (Internal Glazing Gasket)	Dış Cam Fıtlı (External Glazing Gasket)
3	3115	36	40D03	40 D 02
4	3114	33	MN201	40 D 02
5	3114	33	40D05	40 D 02
6	3114	33	40D03	40 D 02
7	3113	30	MN201	40 D 02
8	3113	30	40D05	40 D 02
9	3113	30	40D03	40 D 02
10	3112	27	MN201	40 D 02
11	3112	27	40D05	40 D 02
12	3112	27	40D03	40 D 02
13	3111	24	MN201	40 D 02
14	3111	24	40D05	40 D 02
15	3111	24	40D03	40 D 02
16	3110	21	MN201	40 D 02
17	3110	21	40D05	40 D 02
18	3110	21	40D03	40 D 02
19	3109	18	MN201	40 D 02
20	3109	18	40D05	40 D 02
21	3109	18	40D03	40 D 02
22	3108	15	MN201	40 D 02
23	3108	15	40D05	40 D 02
24	3108	15	40D03	40 D 02
25	2606	12	MN201	40 D 02
26	2606	12	40D05	40 D 02
27	2606	12	40D03	40 D 02
28	3145	9	MN201	40 D 02
29	3145	9	40D05	40 D 02
30	3145	9	40D03	40 D 02
31	3144	6	MN201	40 D 02
32	3144	6	40D05	40 D 02
33	3144	6	40D03	40 D 02

### Köşe Takozları

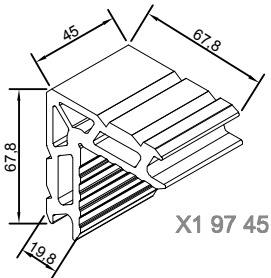
### Corner Cleats



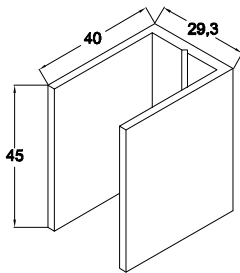
Not:  
Profil kodu : 3088



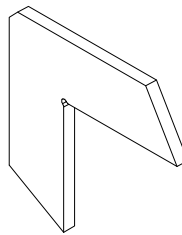
Not:  
Profil kodu : 3098



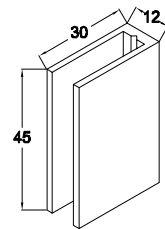
Not:  
Profil kodu : 3097



**03-1983**  
Ağırlık: 0.776 kg/m.

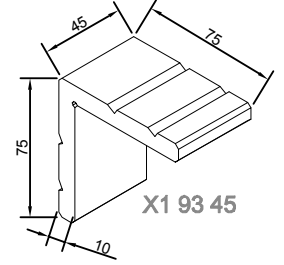


**G01 008**  
Köşe Gönyesi

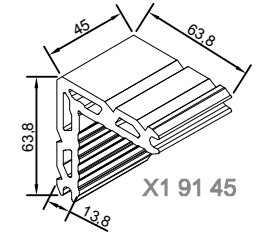


**97-936**  
Ağırlık: 0.412 kg/m.

Köşe Takoz No Corner Cleat No	Sembol Symbol	Profil No Profile Code	x-Kesim Ölçüleri (mm) x-Cutting Dimensions
3093		04-2066	45
3091		03-1913	45
3098		03-1914 03-1918 03-2038	45
3088		03-1921 03-1922	45
3097		03-1923	45
3086		04-2066	40

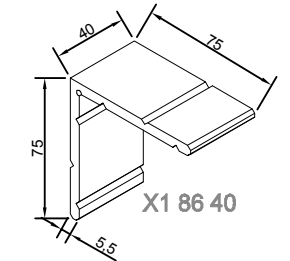


Not:  
Profil kodu : 3093

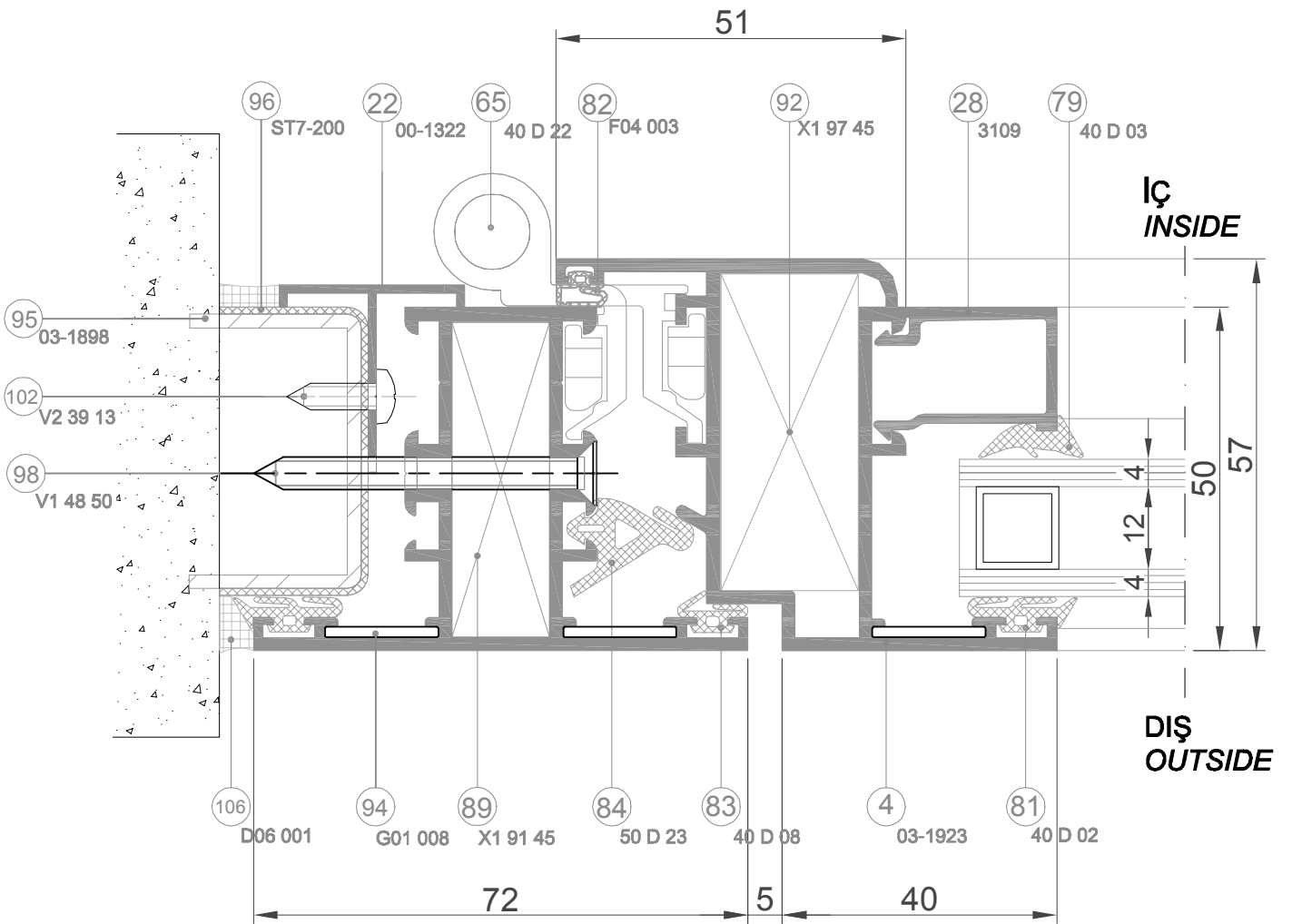
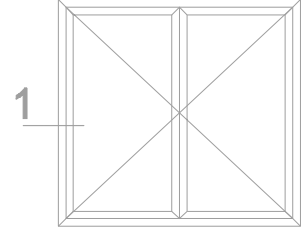


Not:  
Profil kodu : 3091

Çekirge Profili No Transom-Mullion Cleat No	Sembol Symbol	Profil No Profile Code	x-Kesim Ölçüleri (mm) x-Cutting Dimensions
03-1983		03-1917	46
		03-1918	45
		03-2038	45
97-936		03-1913	45

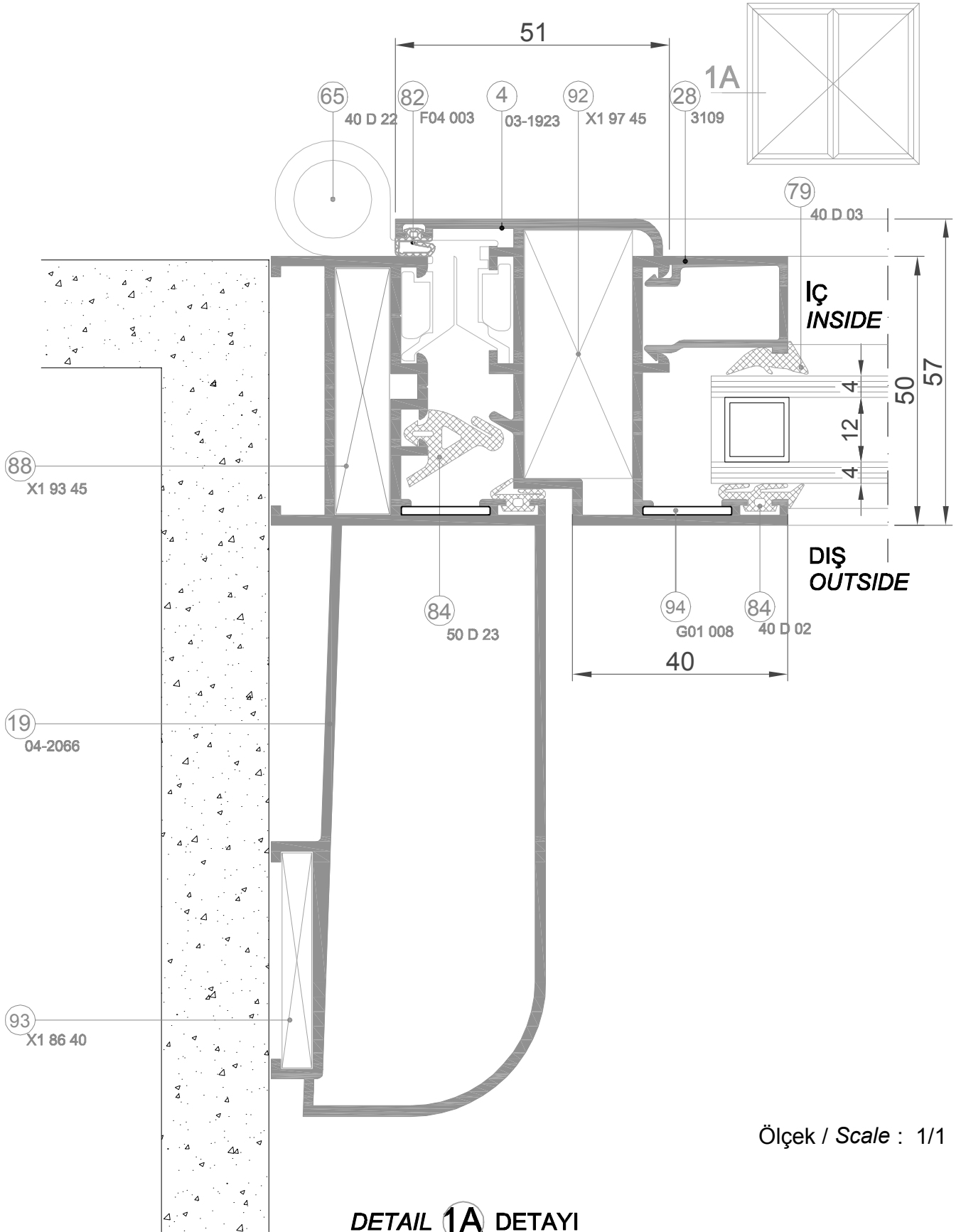


Not:  
Profil kodu : 3086



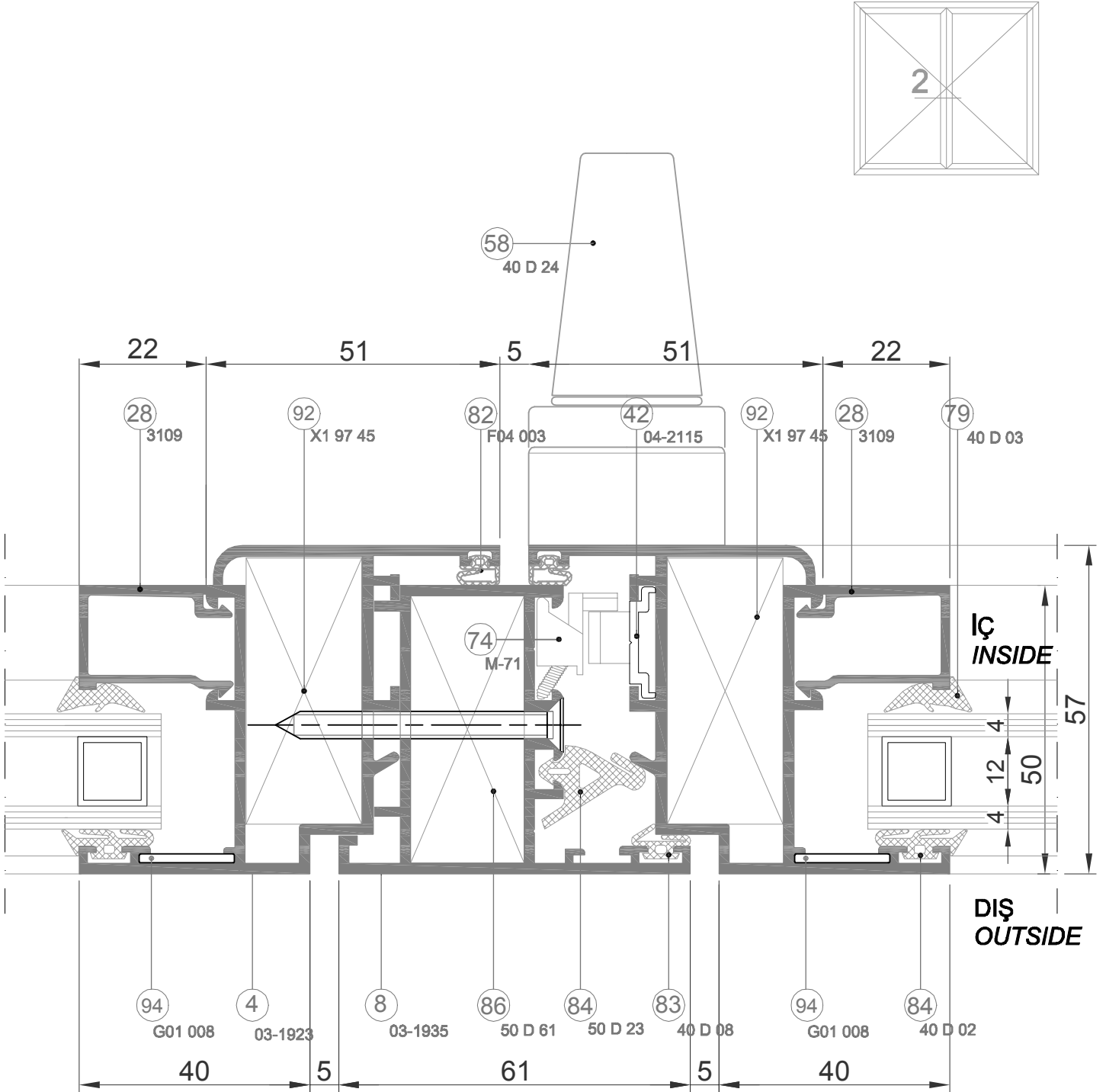
Ölçek / Scale : 1/1

DETAIL 1 DETAYI



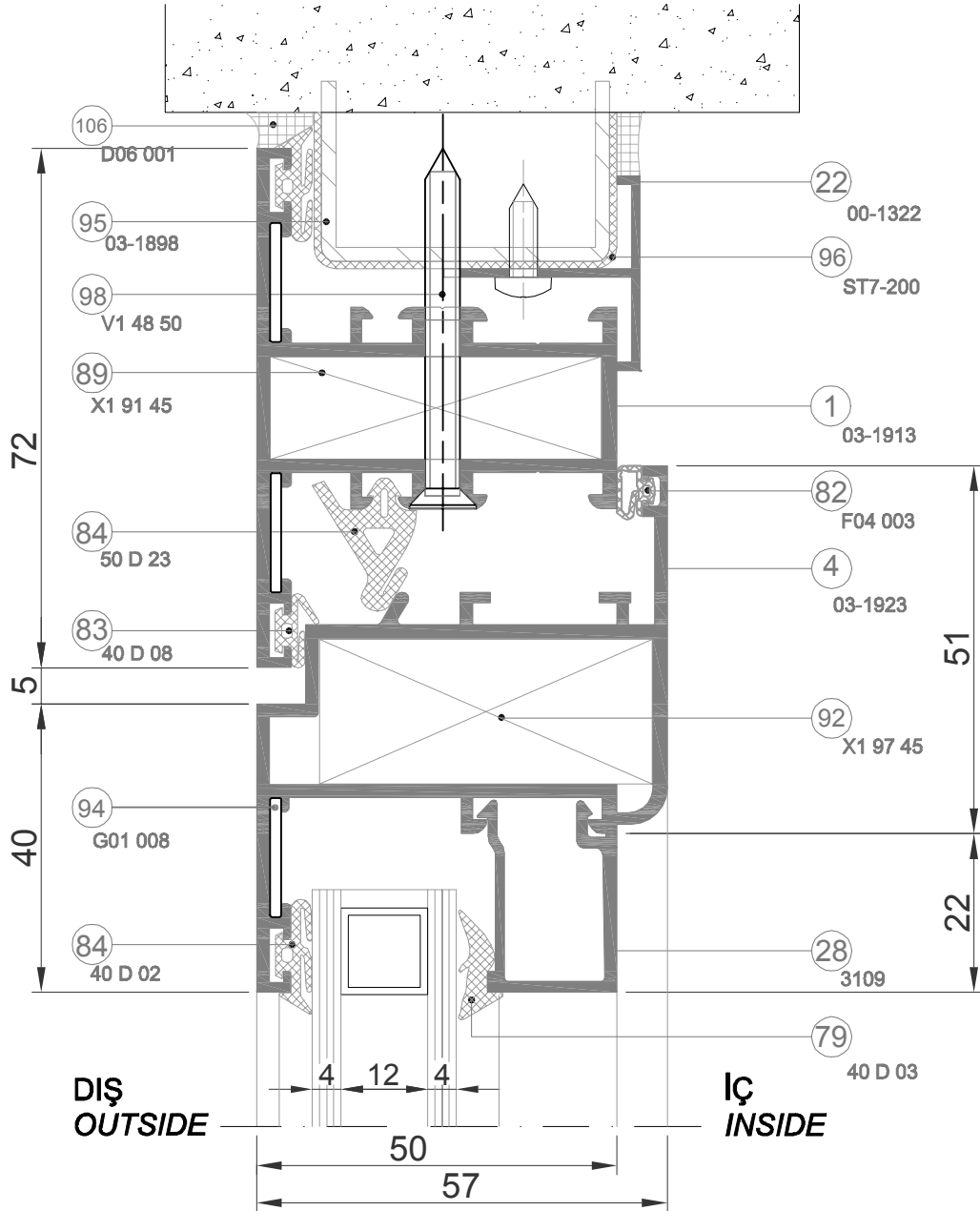
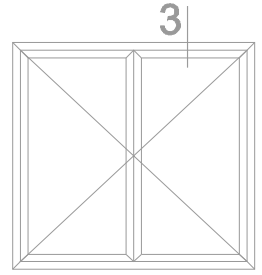
Ölçek / Scale : 1/1

DETAIL 1A DETAYI



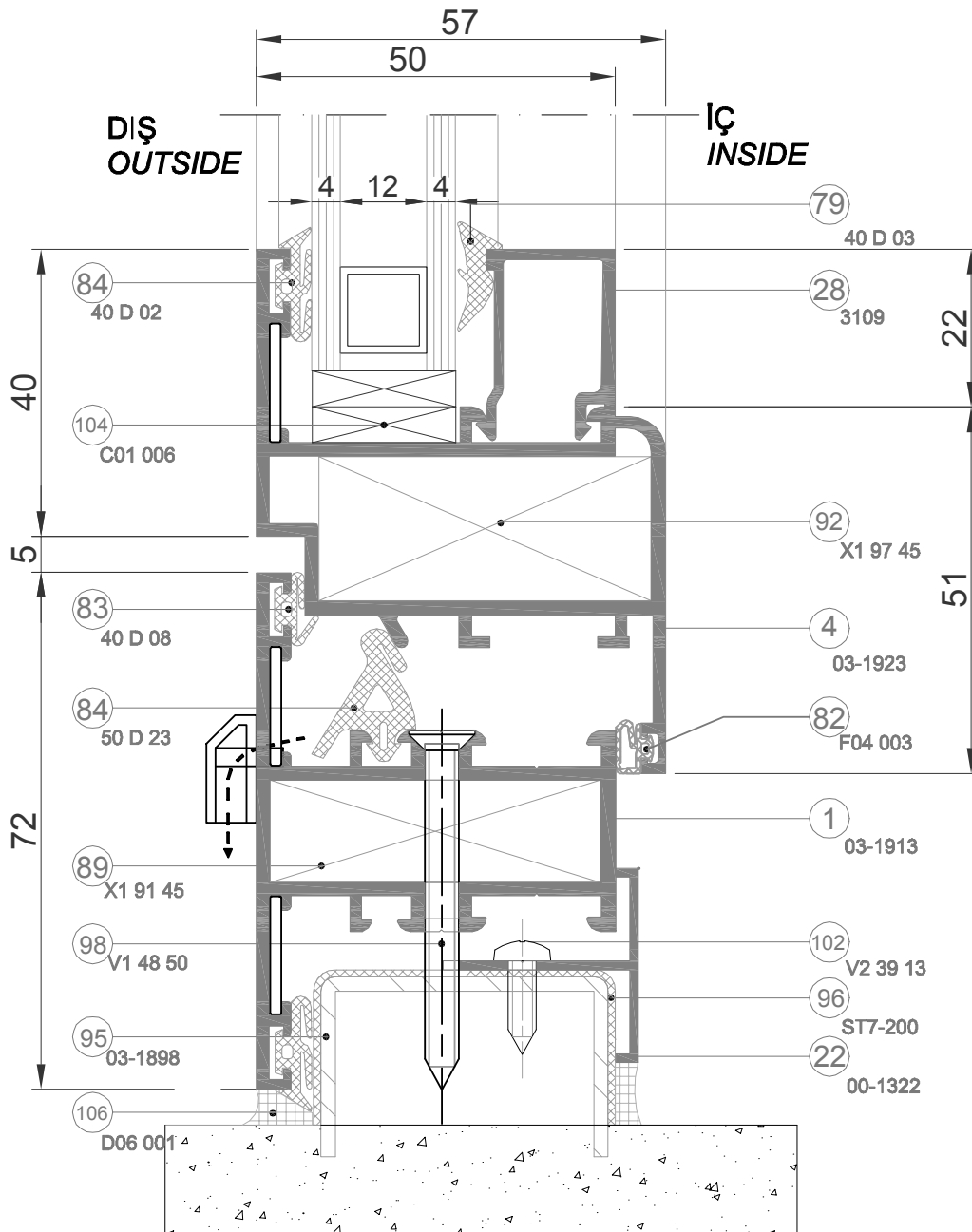
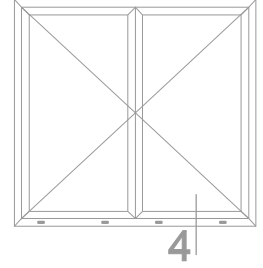
Ölçek / Scale : 1/1

DETAIL 2 DETAYI



Ölçek / Scale : 1/1

DETAIL **3** DETAYI

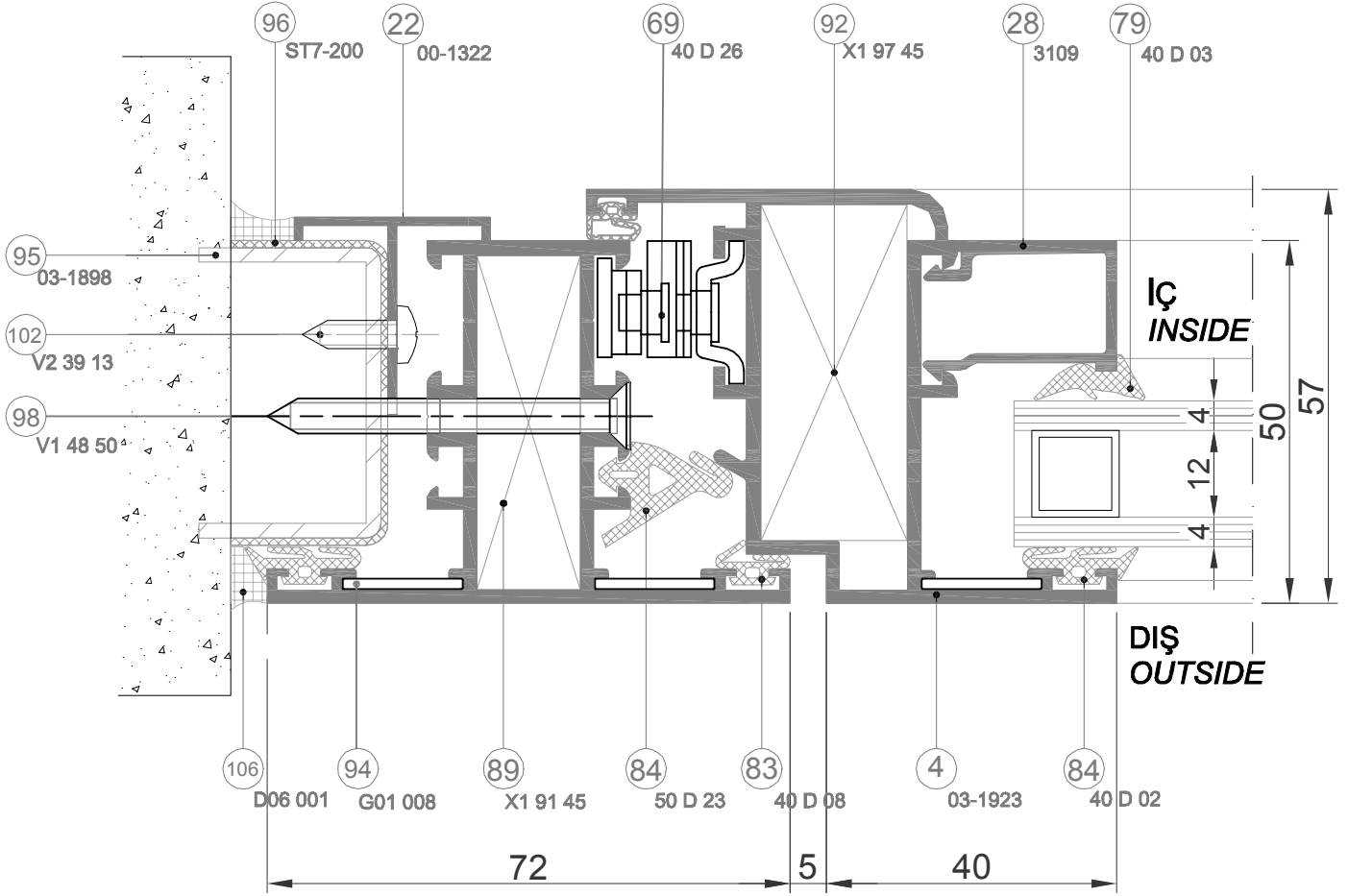
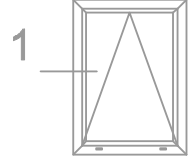


Ölçek / Scale : 1/1

DETAIL **4** DETAYI

Detay Çizimleri  
Section Drawings

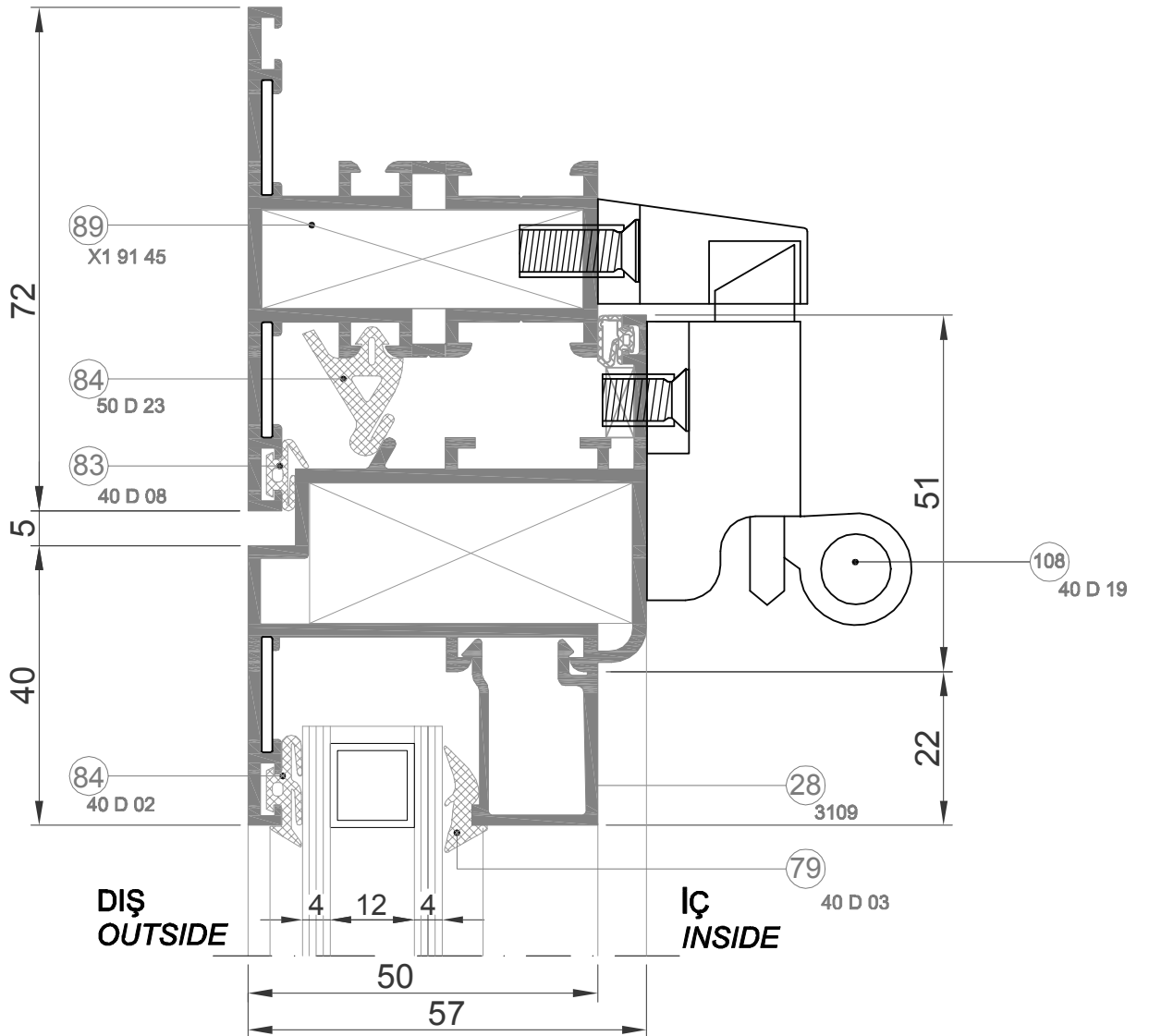
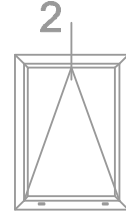
İçe Açılır Pencere  
Inward Opening Window



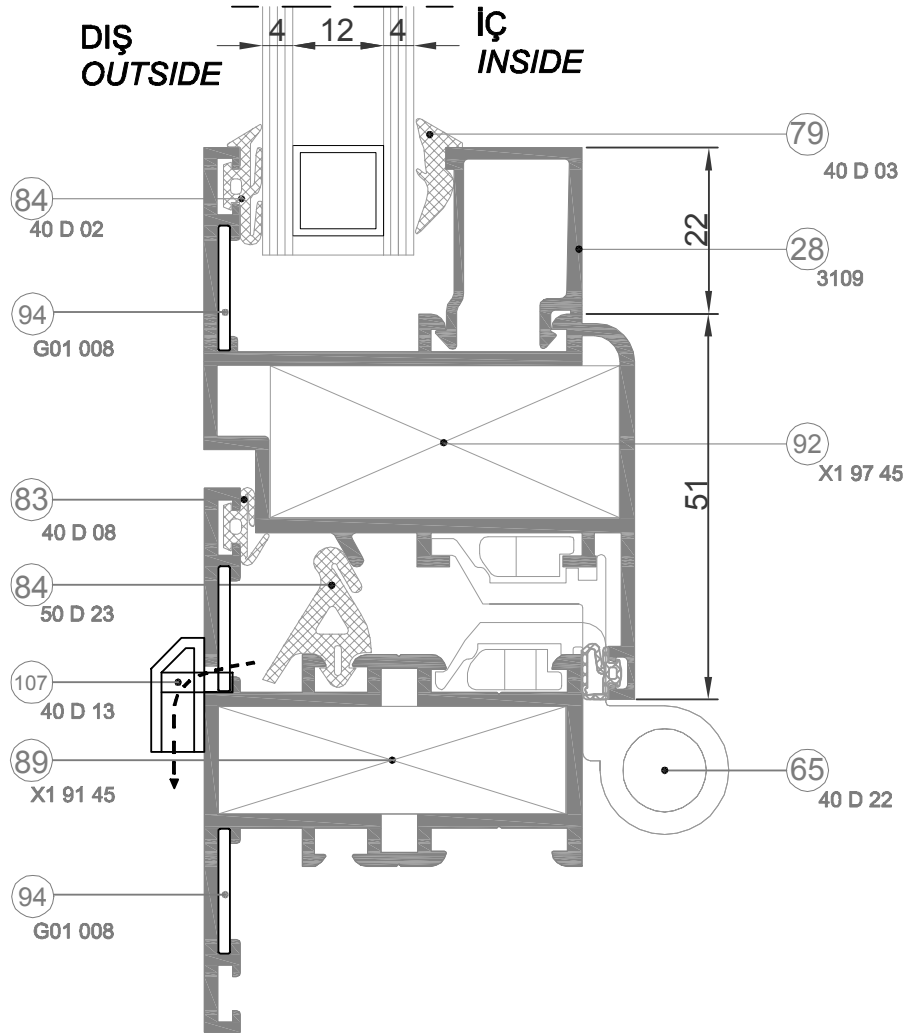
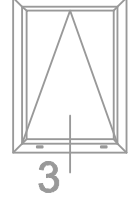
DETAIL 1 DETAYI

Detay Çizimleri  
Section Drawings

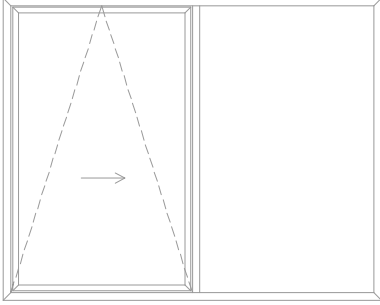
İçe Açılır Pencere  
Inward Opening Window



DETAIL ② DETAYI



DETAIL **3** DETAYI



## SÜRME+VASİSTAS PENCERE-KAPIYA AİT BİLGİLER

MEKANİZMA: SIEGENIA PSK PORTAL-LM

KANAT GENİŞLİĞİ(KG): MIN 700-1650 mm.

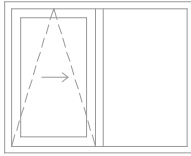
KANAT YÜKSEKLİĞİ(KY): MIN 850-2400 mm.

KANAT AĞIRLIĞI: MAX 150 kg.

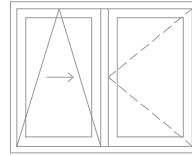
MEKANİZMA RENK: NATUREL ELOKSAL

## UYGULAMA TİPLERİ

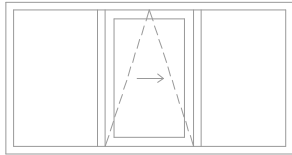
TİP A



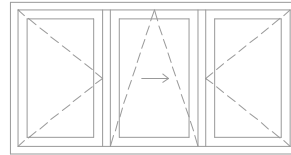
TİP A1



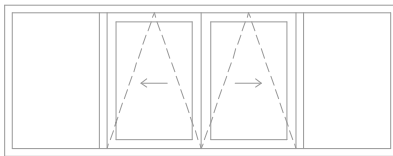
TİP B



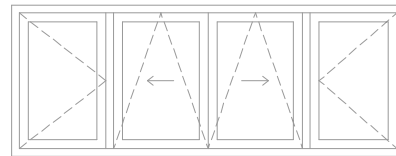
TİP B1



TİP C

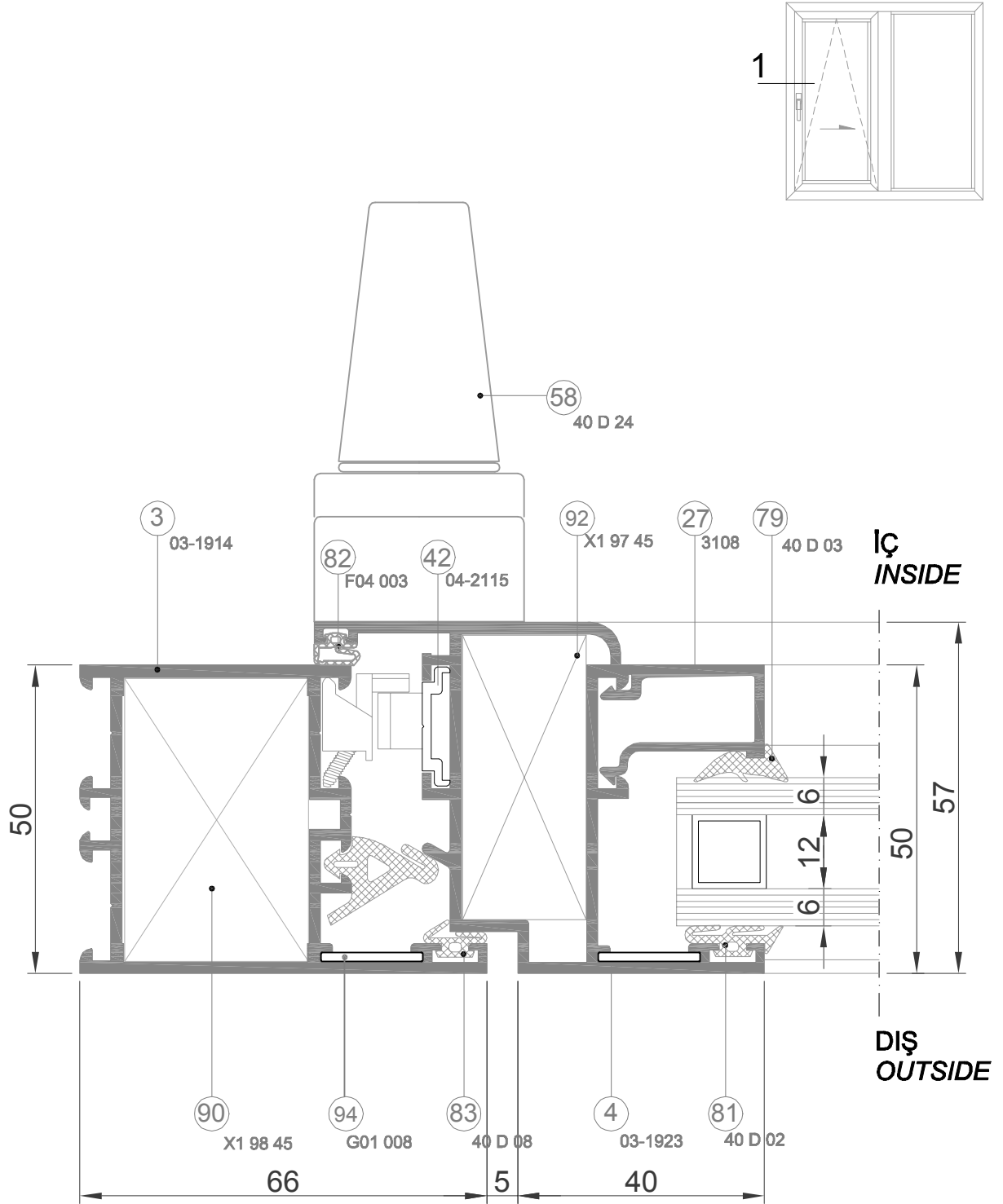


TİP C1



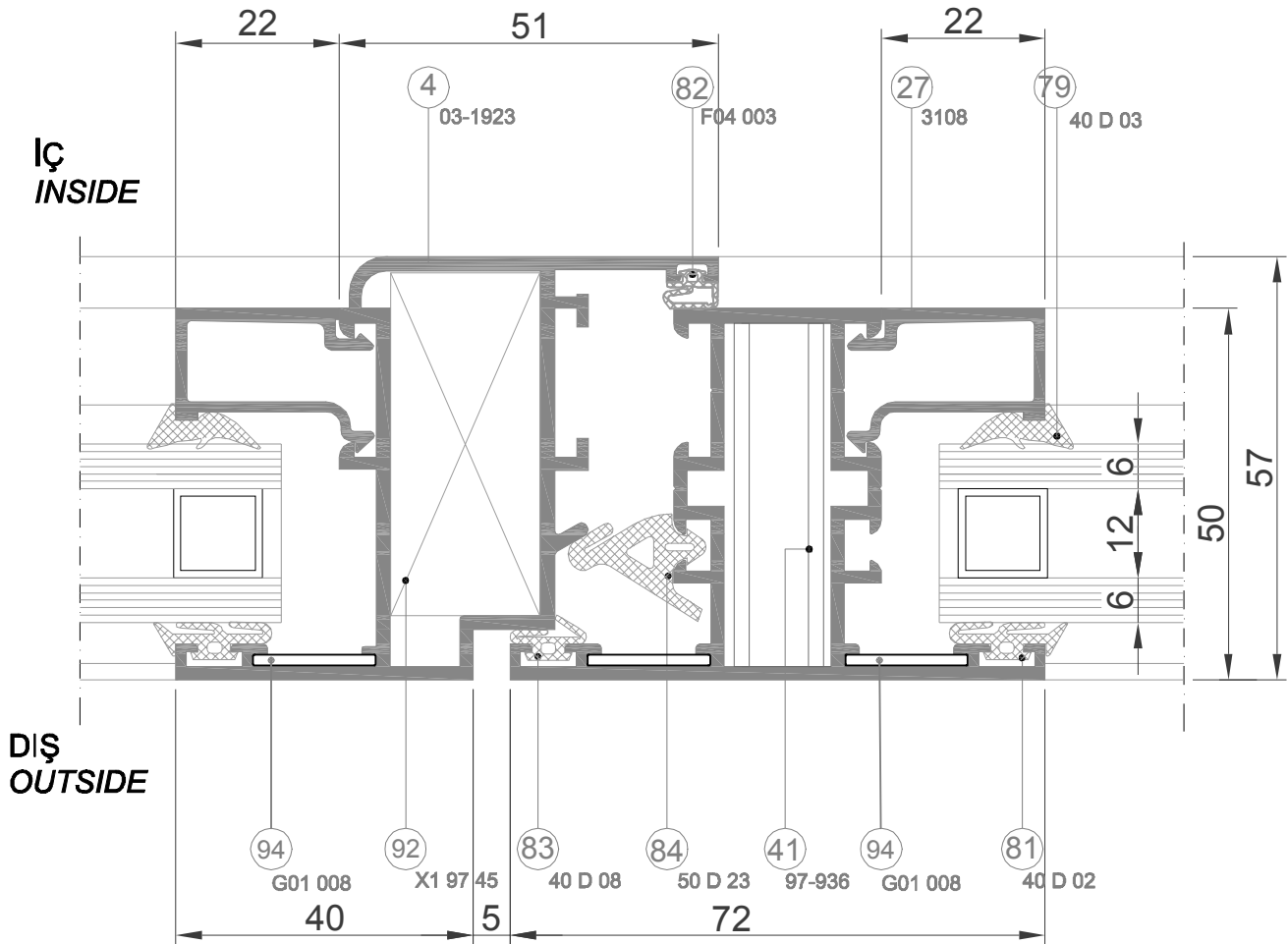
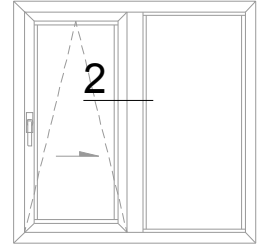
TİP D





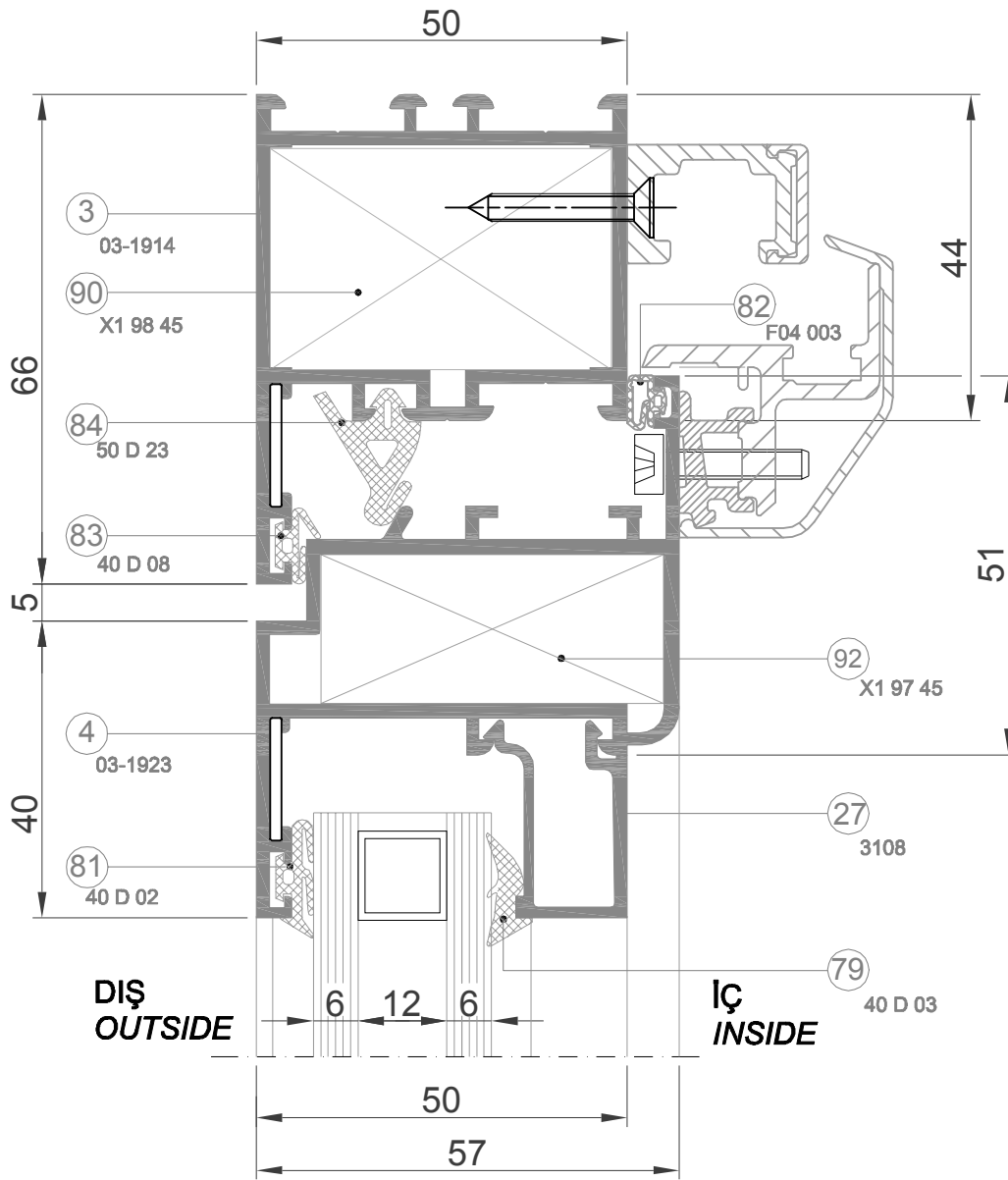
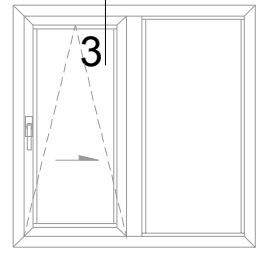
Ölçek / Scale : 1/1

DETAIL 1 DETAYI



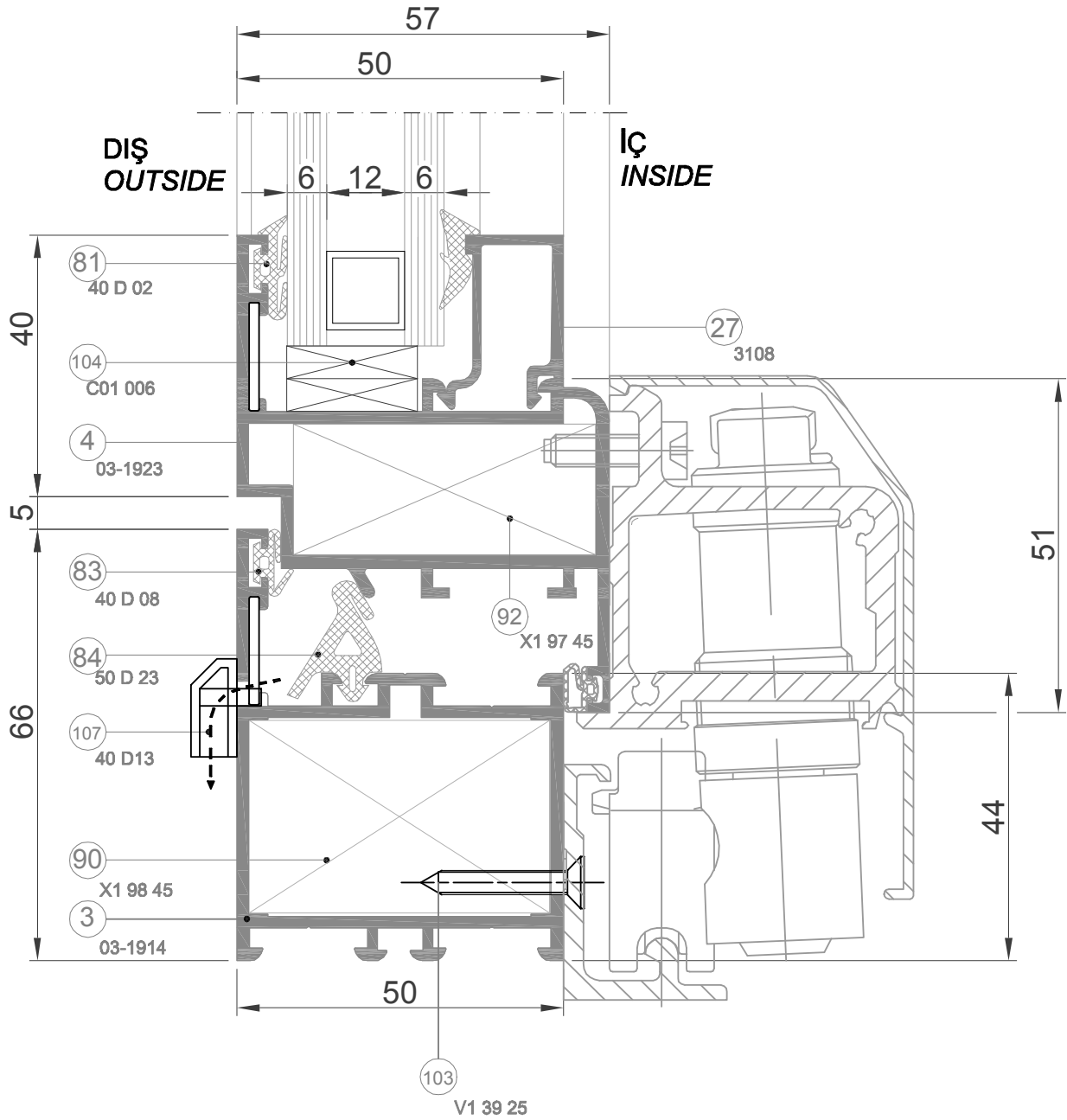
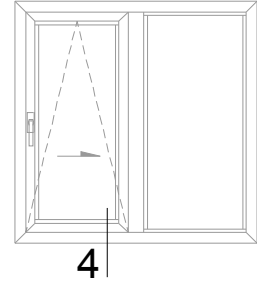
Ölçek / Scale : 1/1

DETAIL 2 DETAYI



Ölçek / Scale : 1/1

DETAIL 3 DETAYI

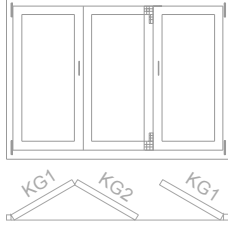


Ölçek / Scale : 1/1

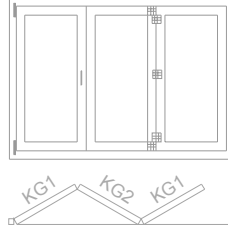
DETAIL 4 DETAYI

## KATLANIR KAPI UYGULAMA TIPLERİ

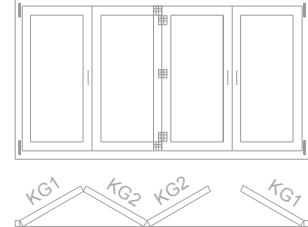
TİP 321



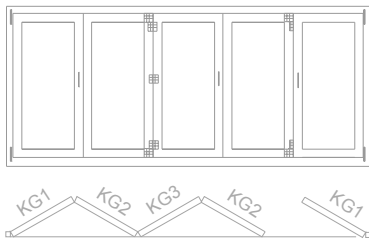
TİP 330



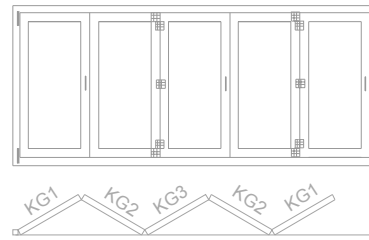
TİP 431



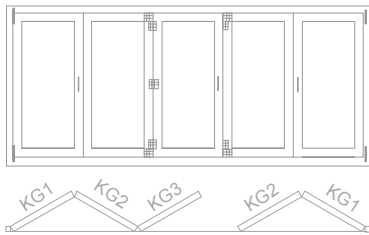
TİP 541



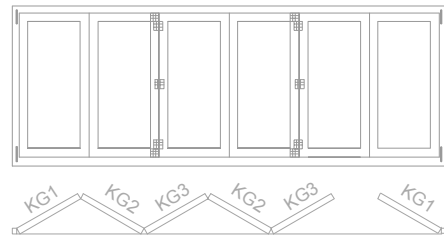
TİP 550



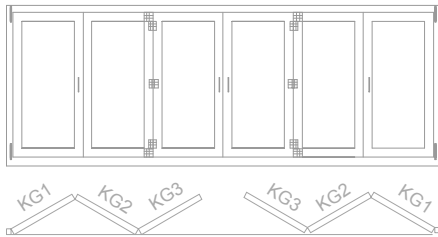
TİP 532



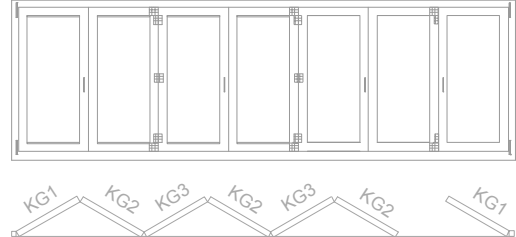
TİP 651



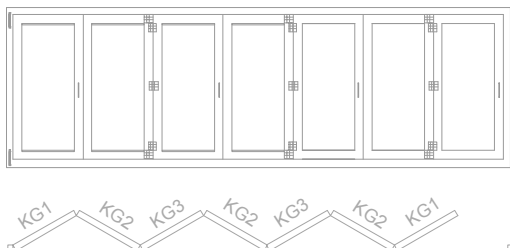
TİP 633



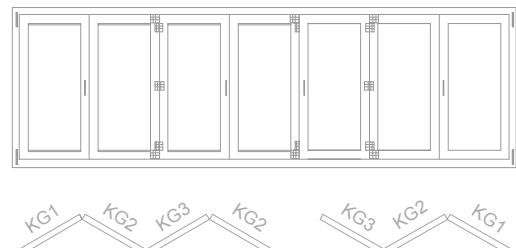
TİP 761



TİP 770



TİP 743



KG:Kanat Geniřliđi

## KATLANIR KAPIYA AİT GENEL BİLGİLER

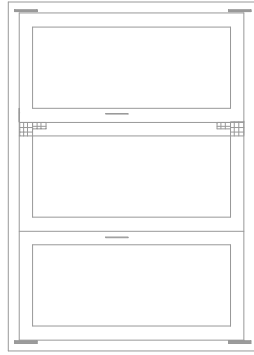
Kanat Geniřliđi Min: 600 mm, Max: 900 mm

Kanat Yüksekliđi Min: 850 mm, Max: 2400 mm

Kanat Ađırlıđı Max: 80 Kg.

Mekanizma Renk : Naturel Eloksal

## TİP 321



TİP	KG1 HESABI
321, 330	KG1: $\frac{TKG + 69}{3}$
431	KG1: $\frac{TKG + 143}{4}$
541, 550, 532	KG1: $\frac{TKG + 150}{5}$
651, 633	KG1: $\frac{TKG + 157}{6}$
761, 770, 743	KG1: $\frac{TKG + 231}{7}$
KG2 VE KG3 HESAPLAMALARI	KG2: KG1 - 79
	KG3: KG1 - 12

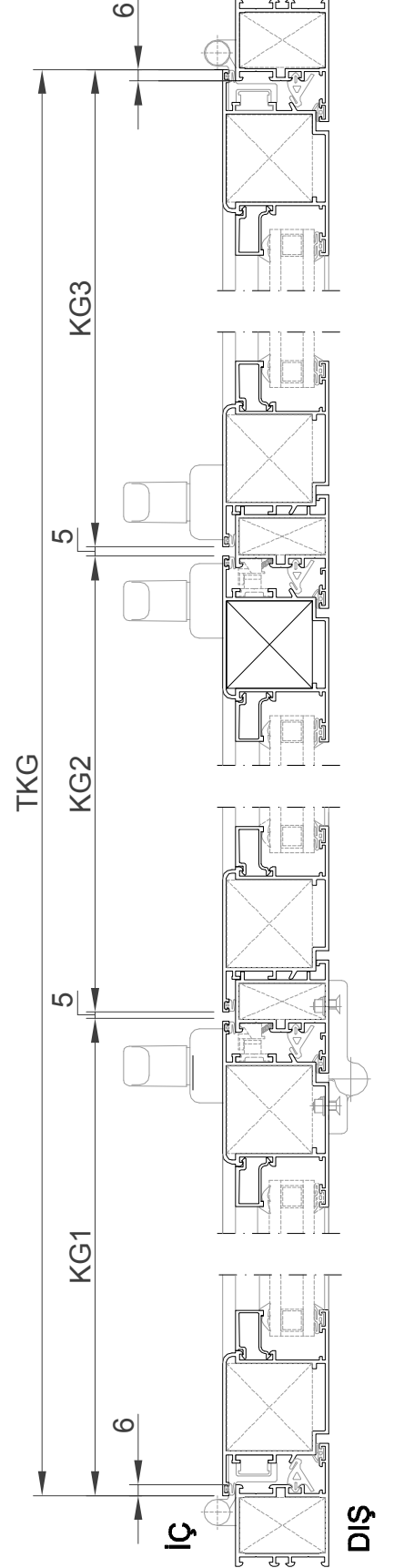
KG1: KANAT GENİŐLİĐİ 1

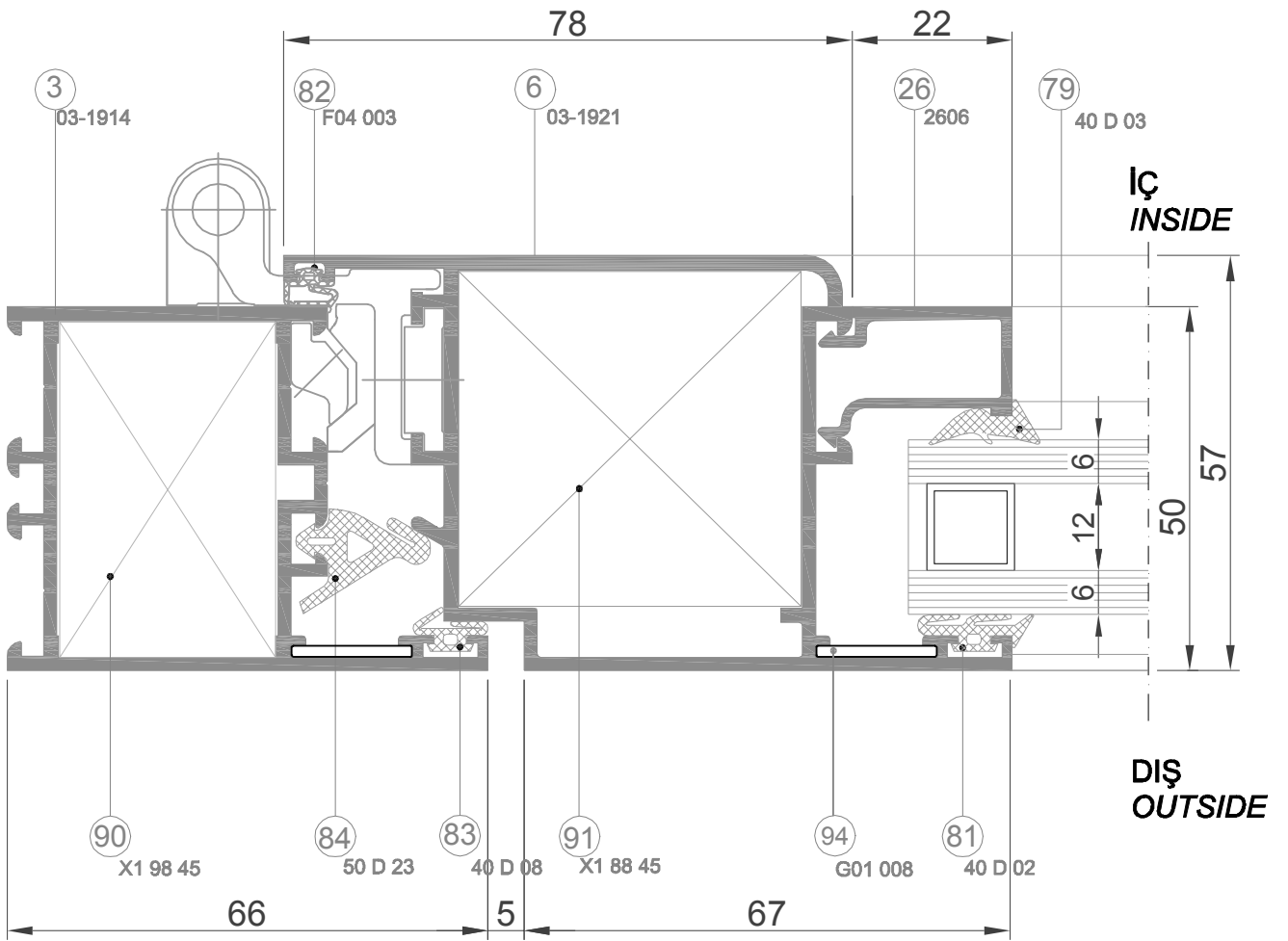
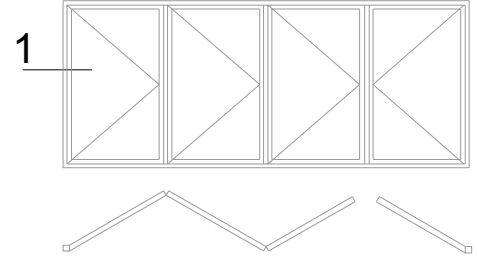
KG2: KANAT GENİŐLİĐİ 2

KG3: KANAT GENİŐLİĐİ 3

TKG: TOPLAM KANAT GENİŐLİĐİ

\* TİP görünüş ve KG1, KG2, KG3 uygulama yerleri için bkz. sf. 22

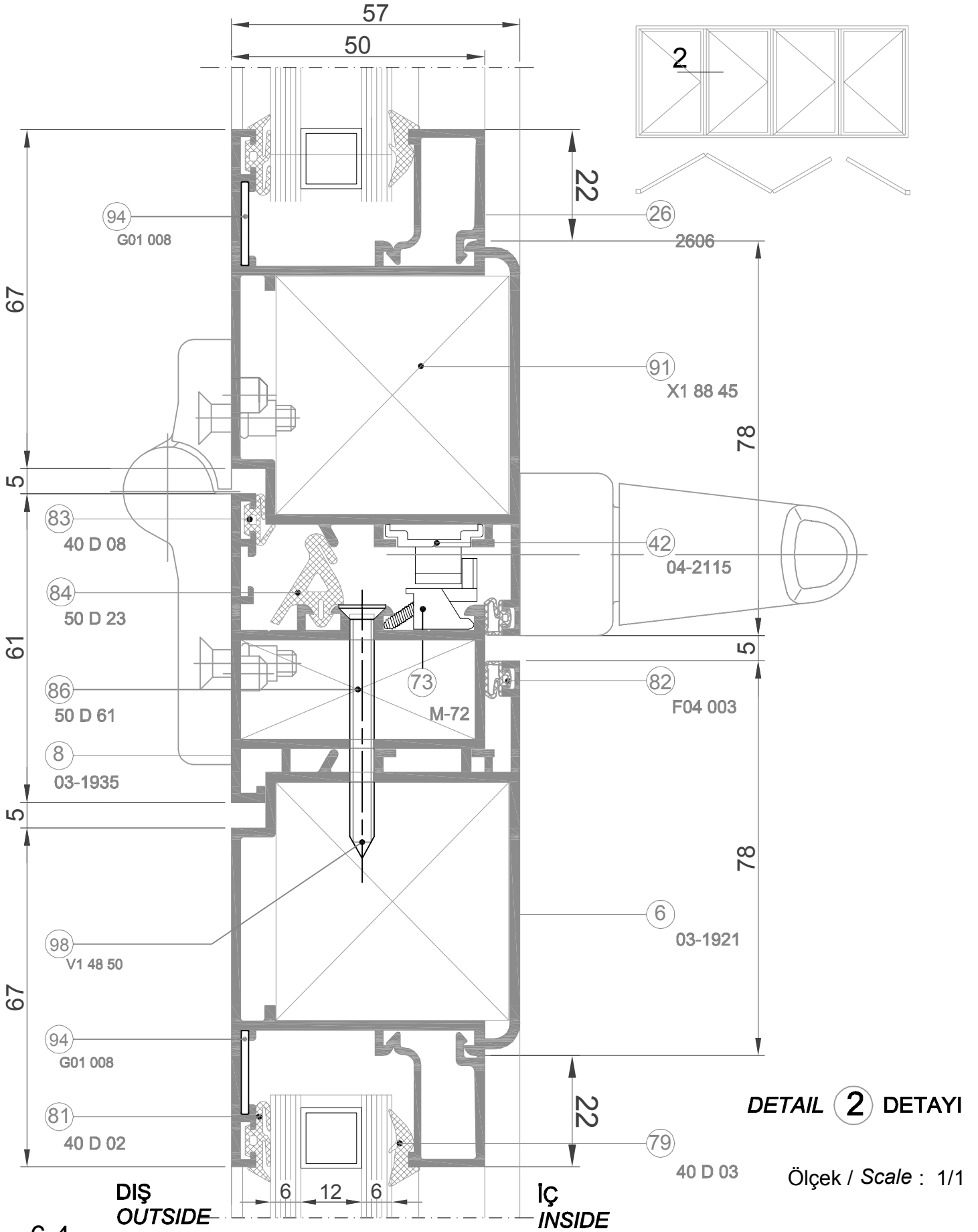




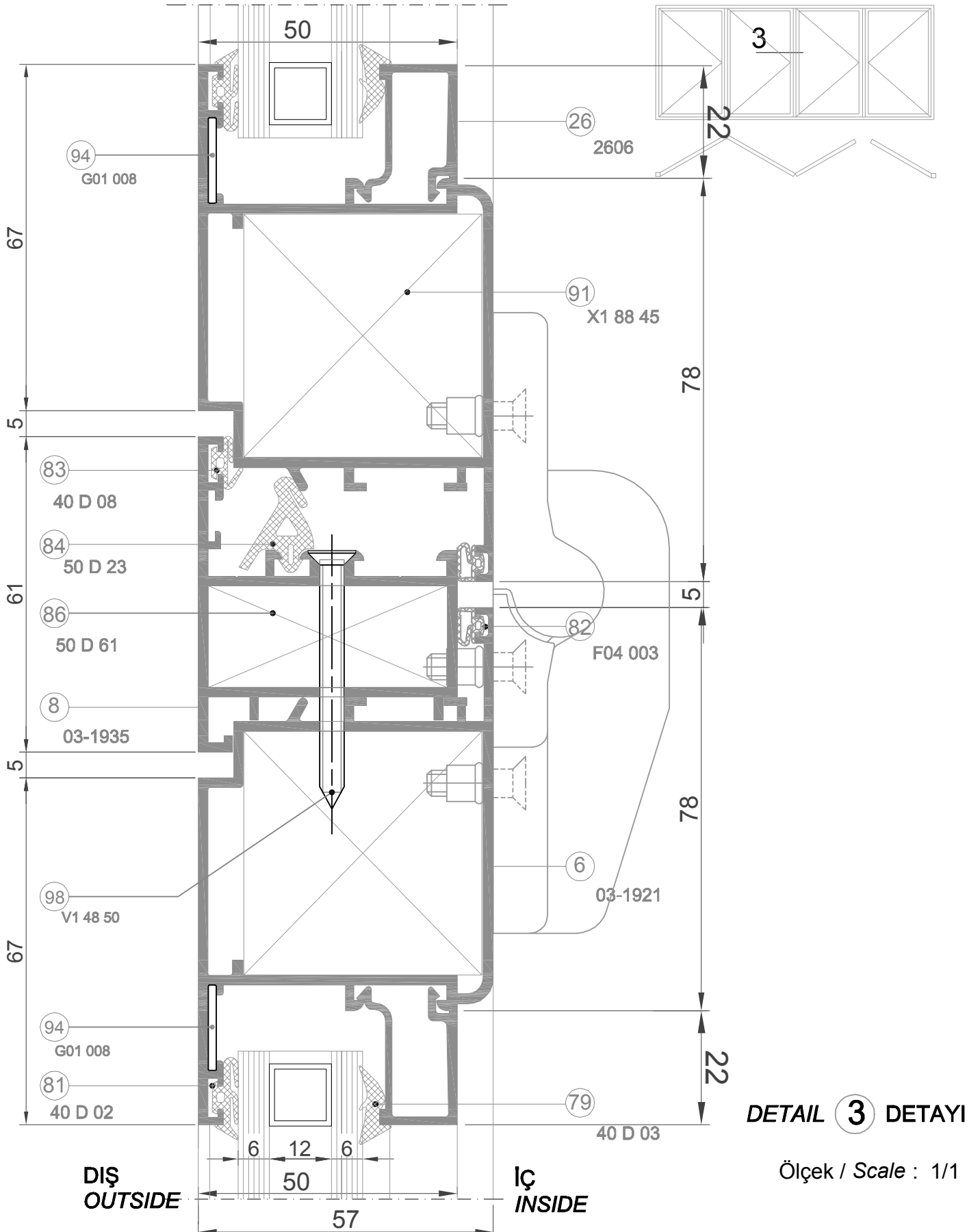
Ölçek / Scale : 1/1

DETAIL 1 DETAYI

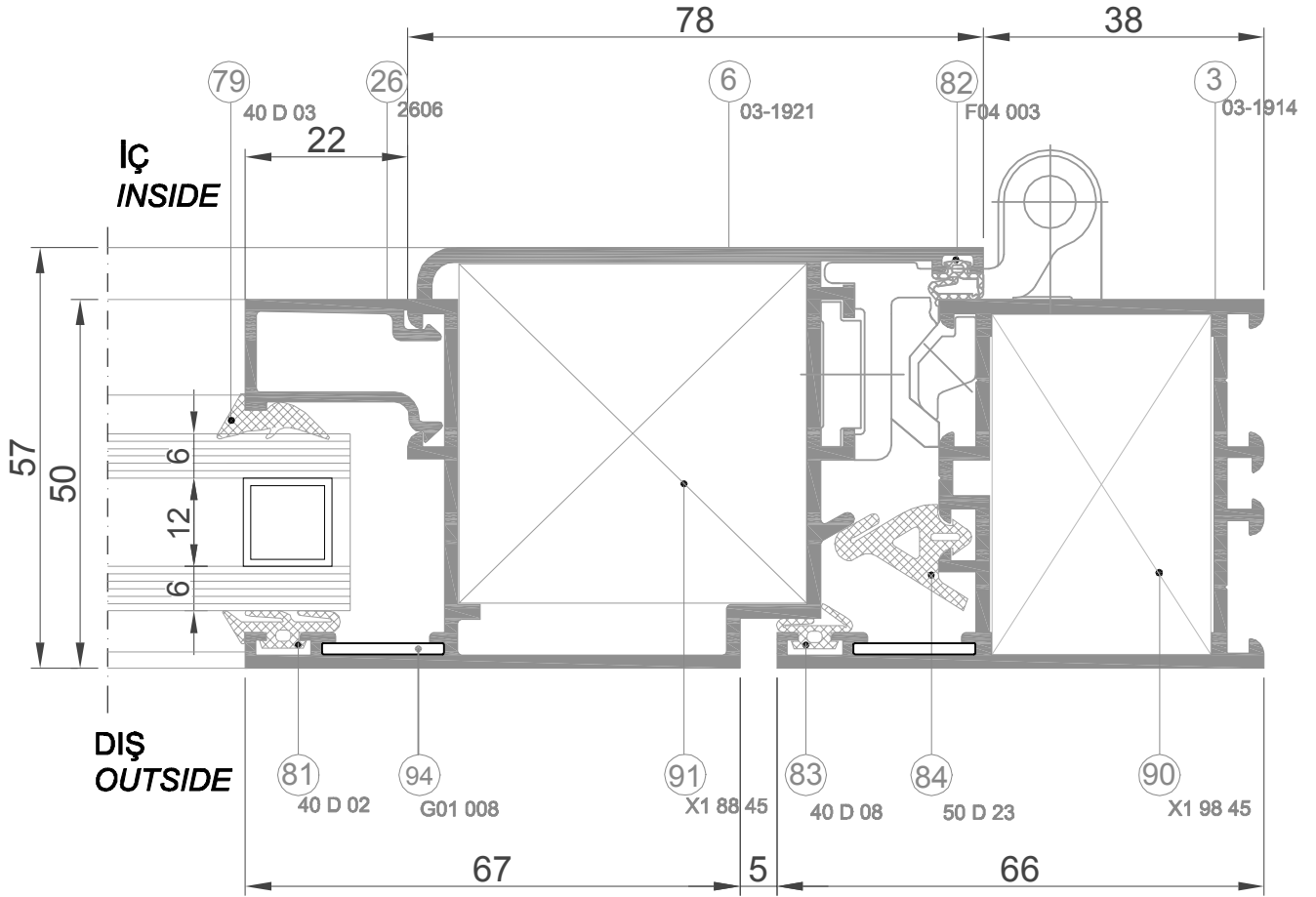
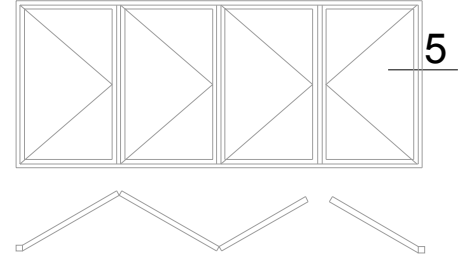
# EC 50



# EC 50

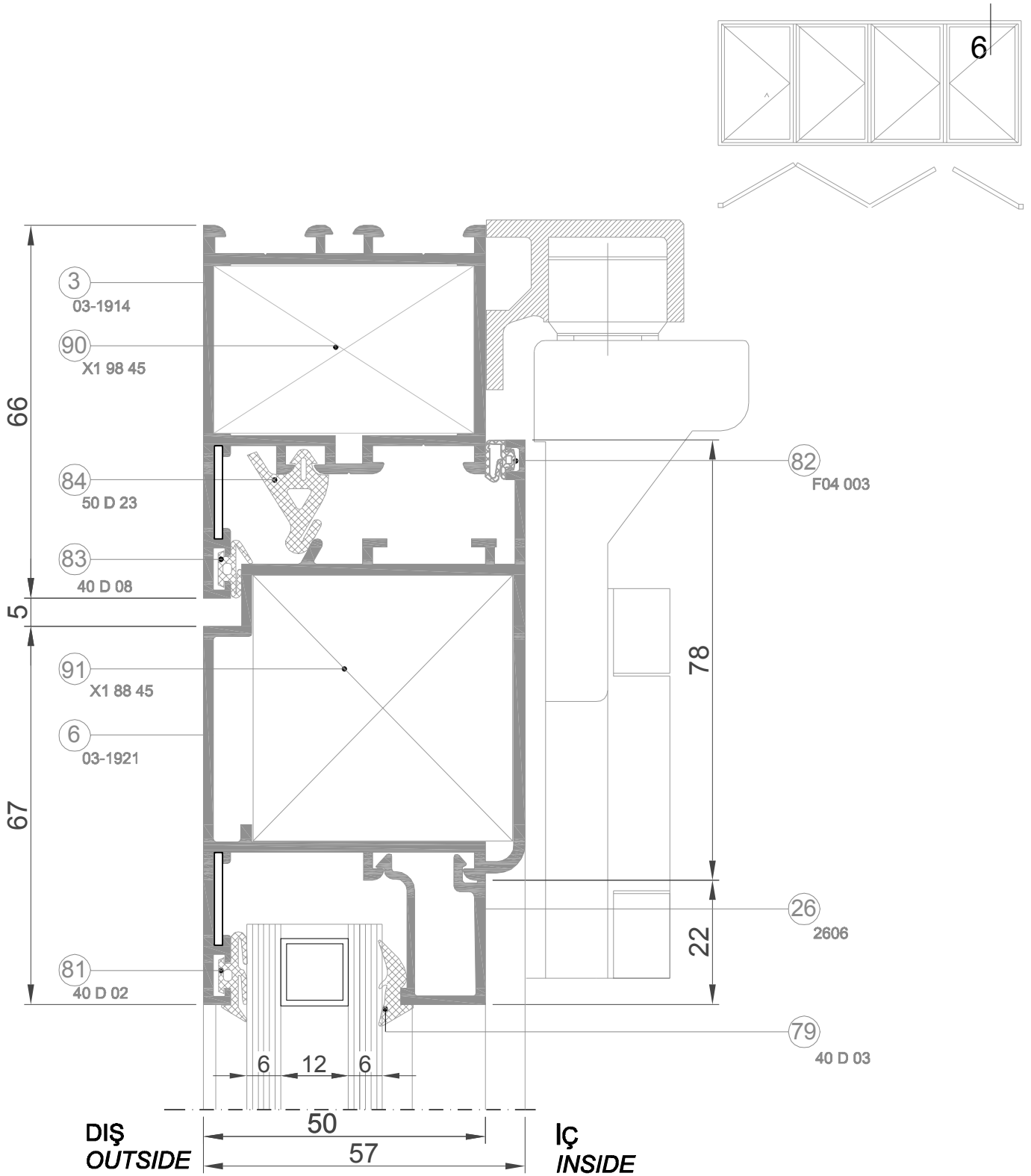






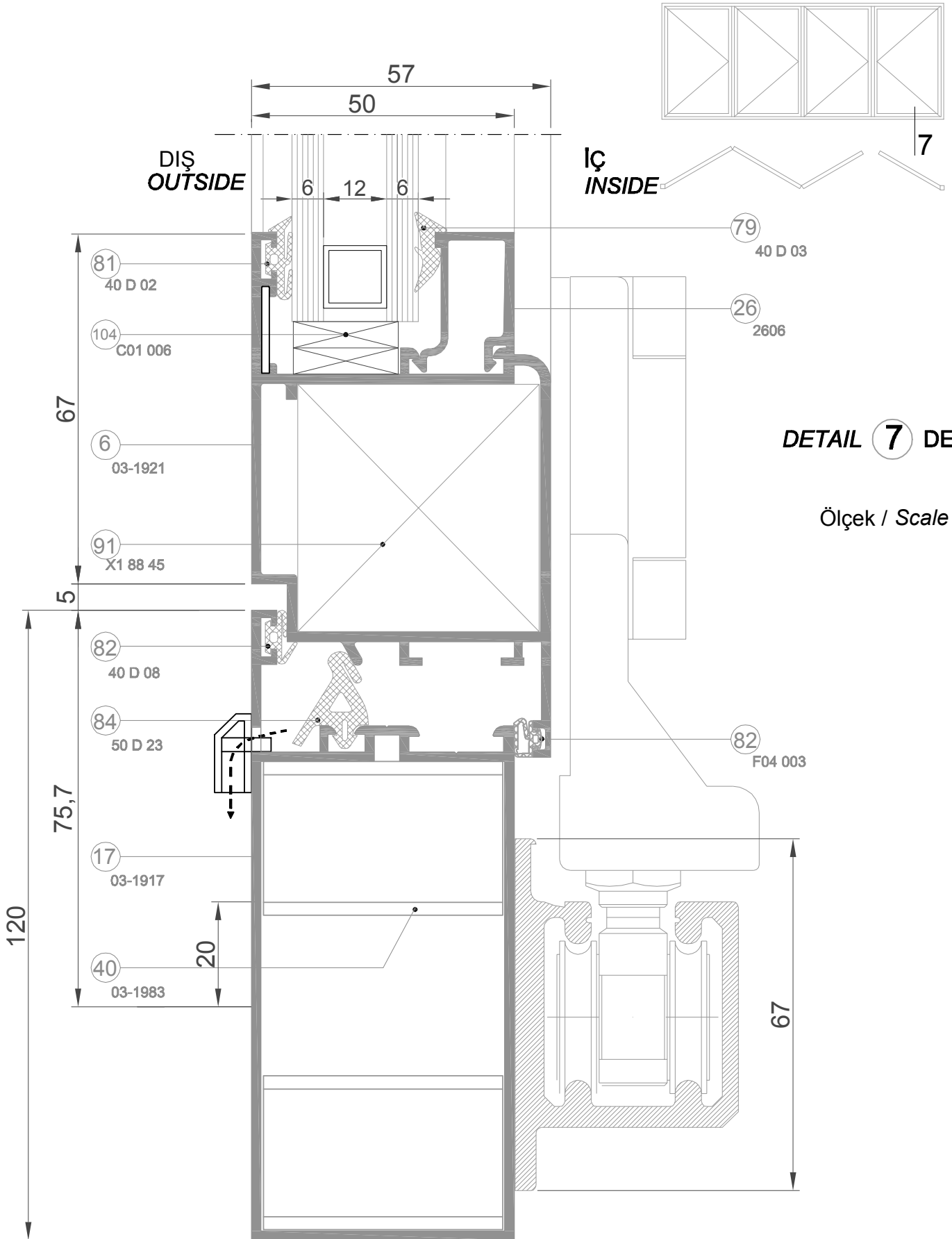
Ölçek / Scale : 1/1

DETAIL **5** DETAYI



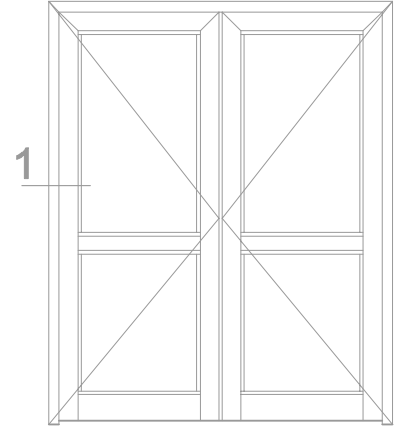
Ölçek / Scale : 1/1

DETAIL **6** DETAYI

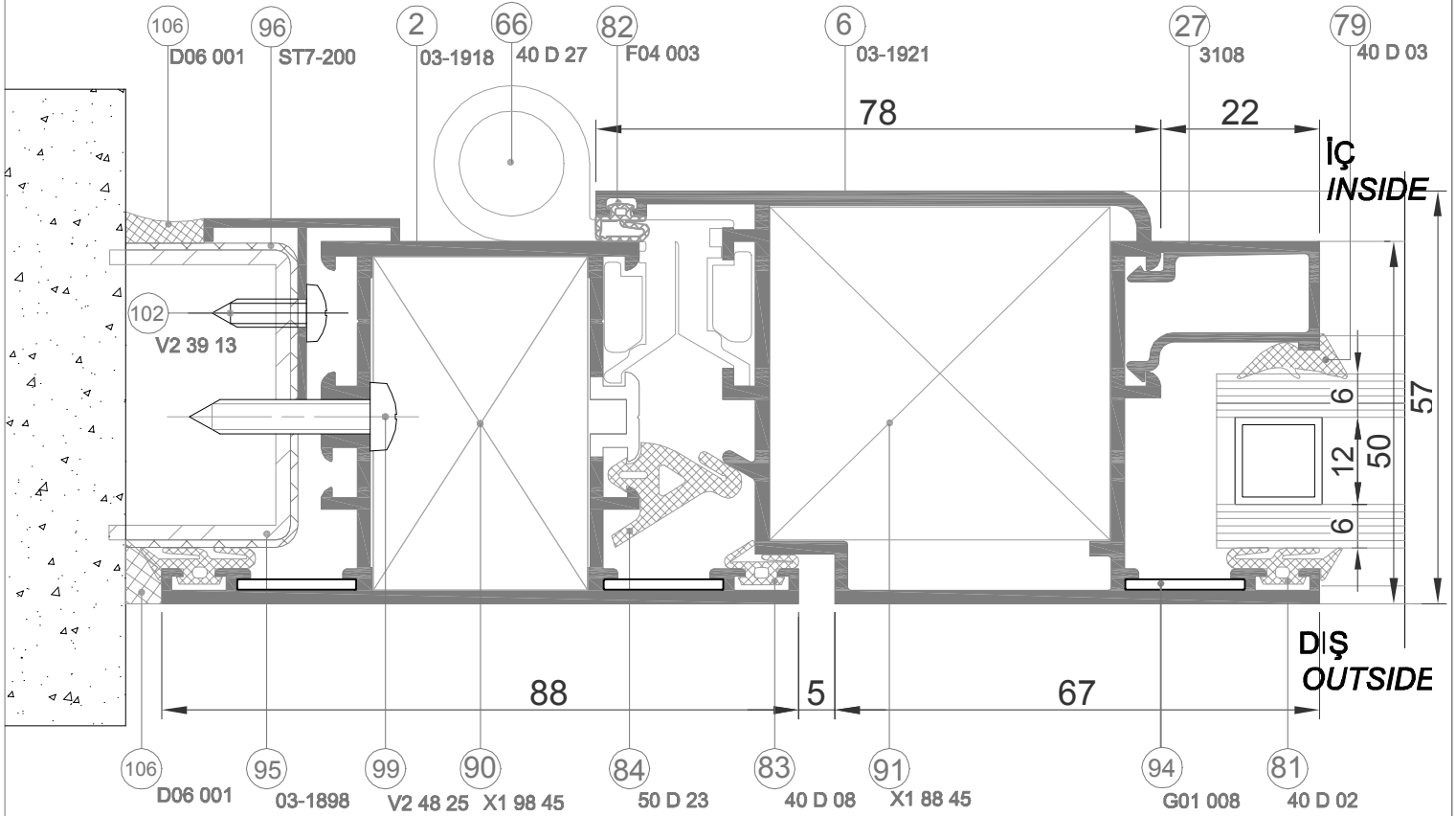


**DETAIL 7 DETAYI**

Ölçek / Scale : 1/1

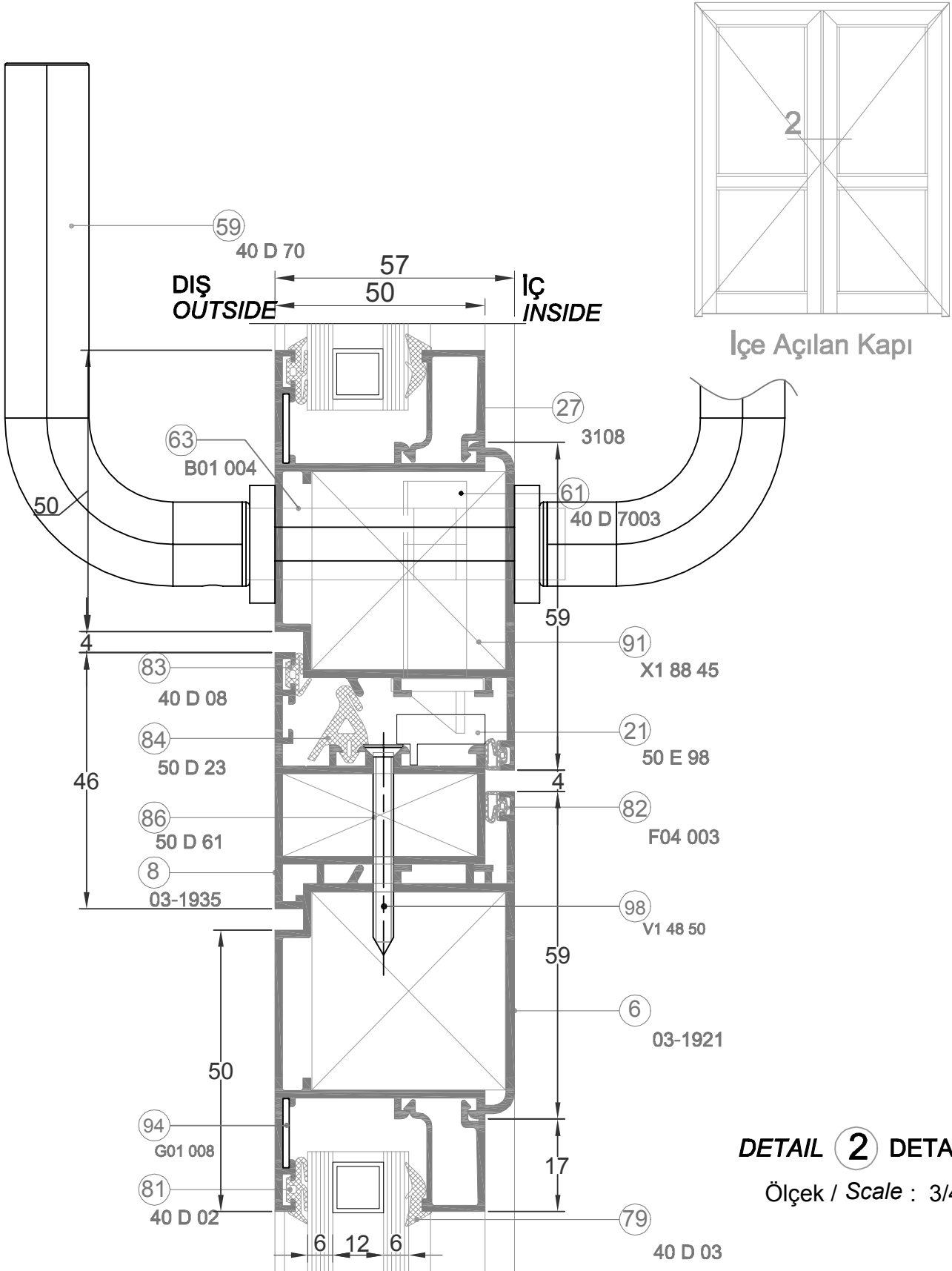


İçe Açılan Kapı

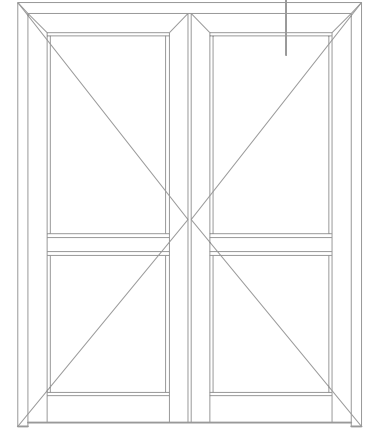


Ölçek / Scale : 1/1

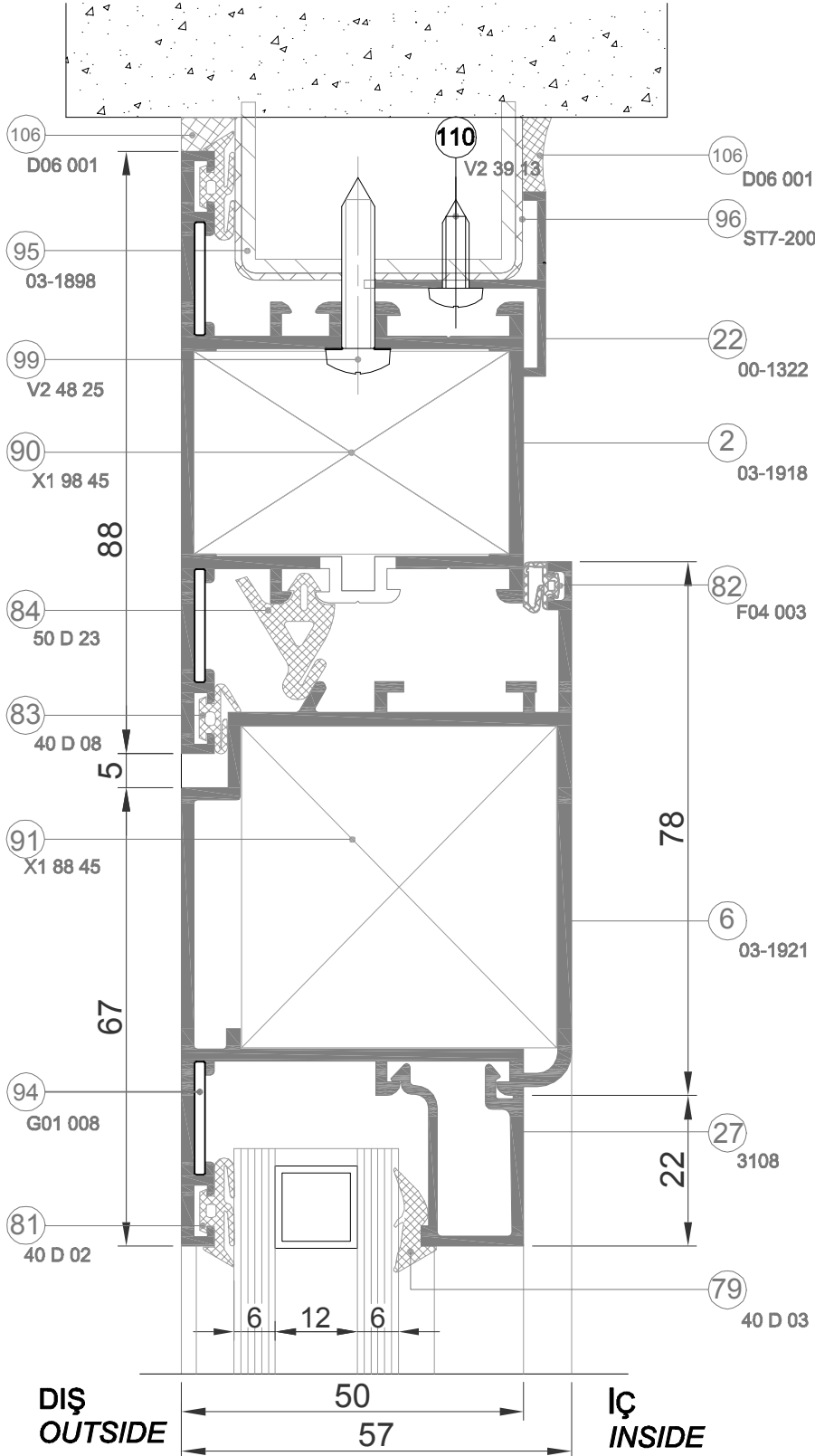
DETAIL 1 DETAYI



3

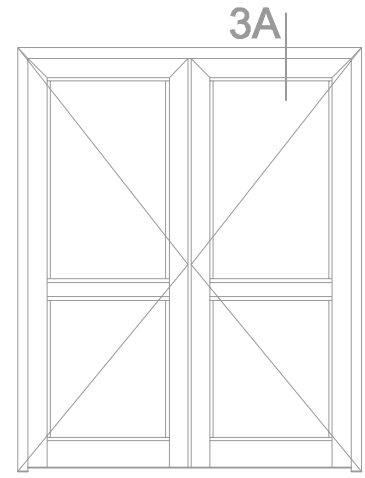
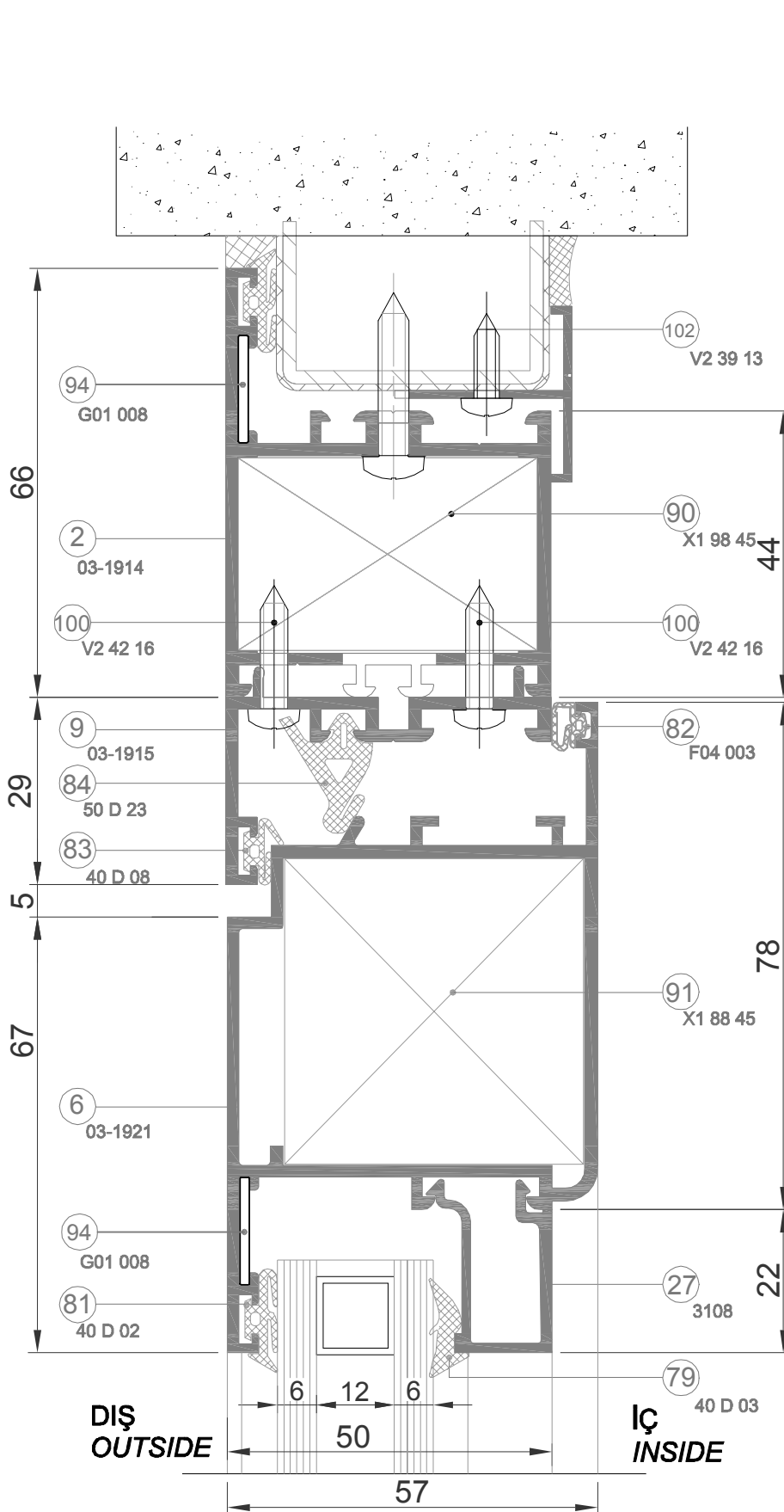


İçe Açılan Kapı



DETAIL 3 DETAYI

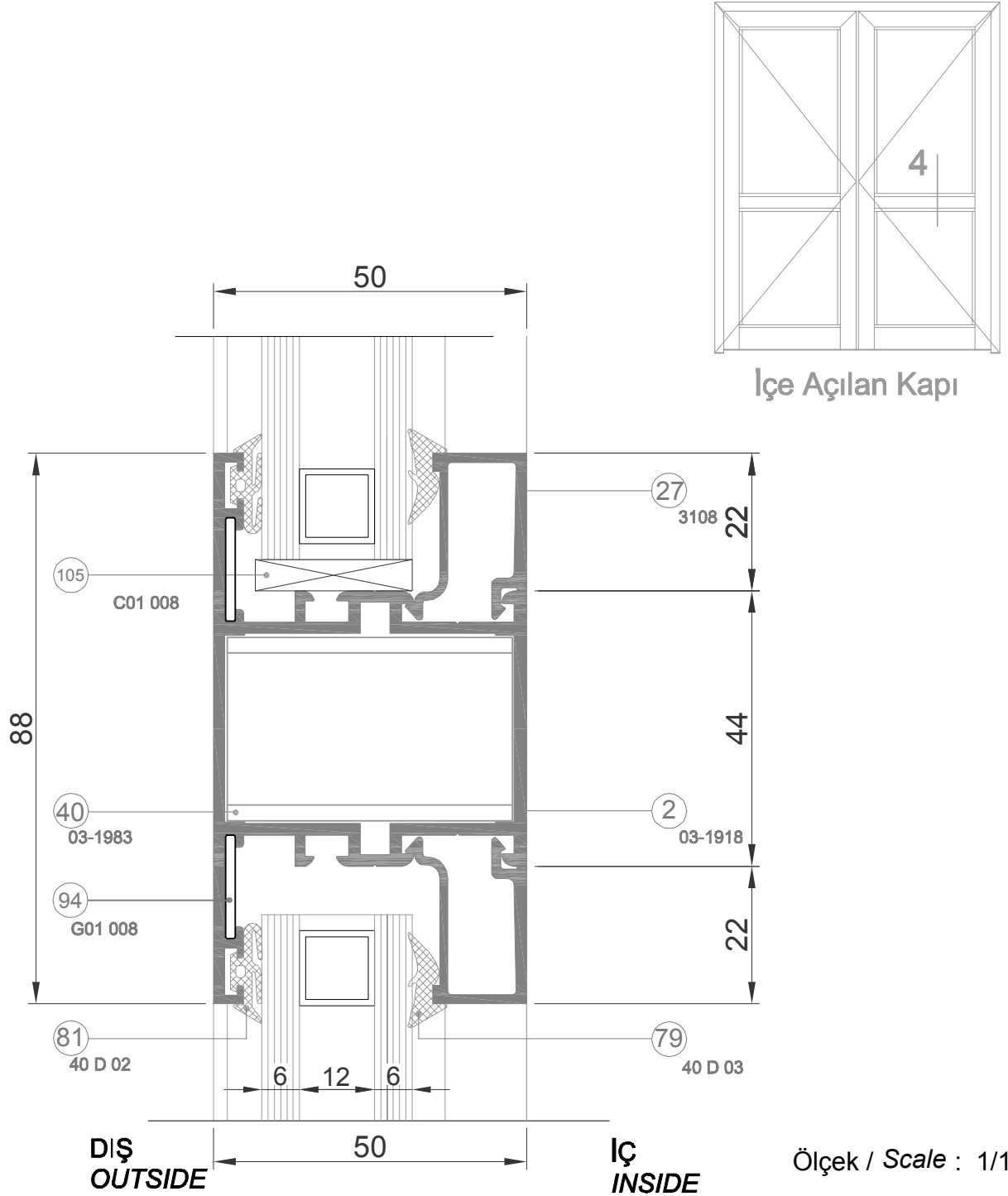
Ölçek / Scale : 1/1



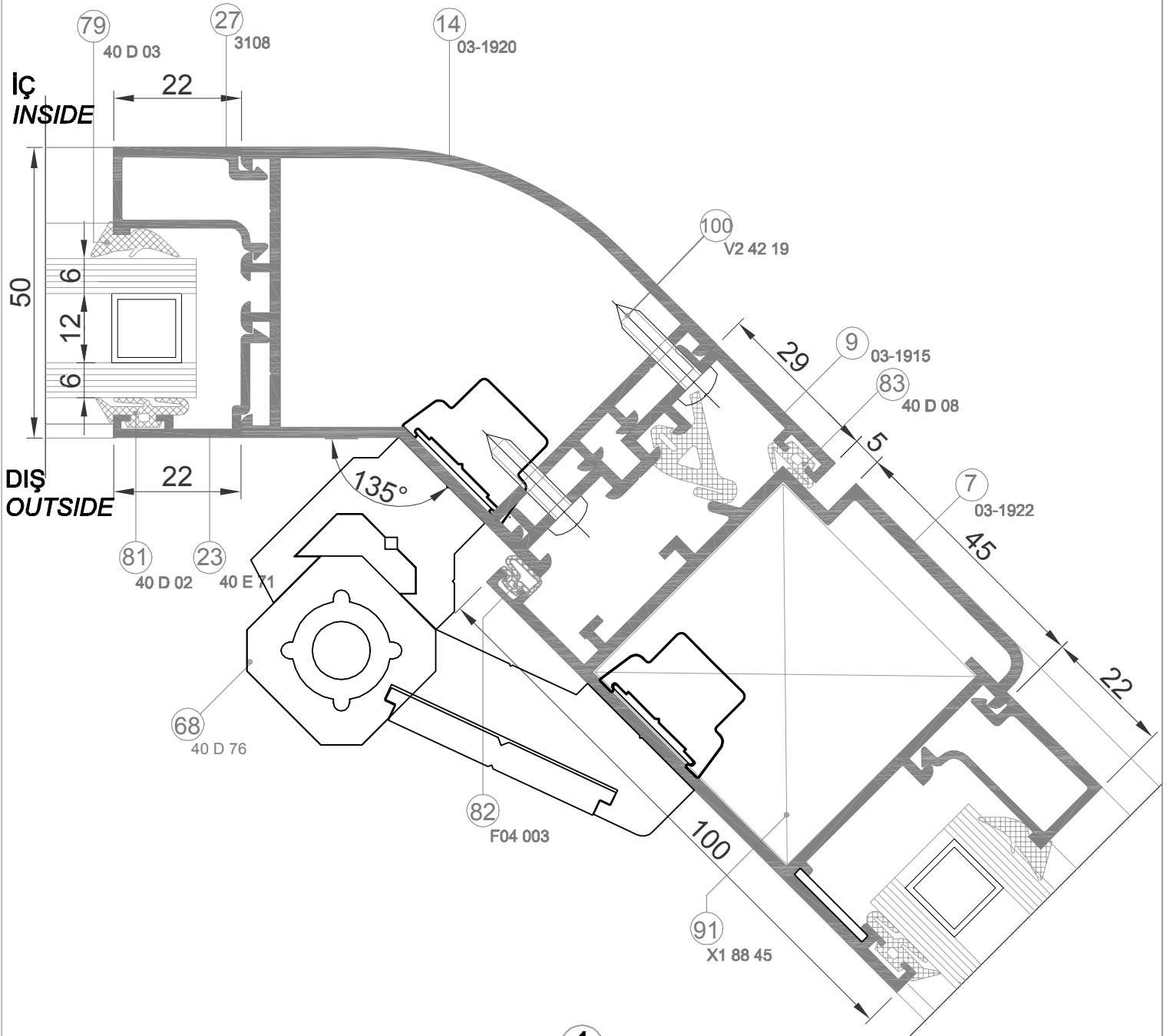
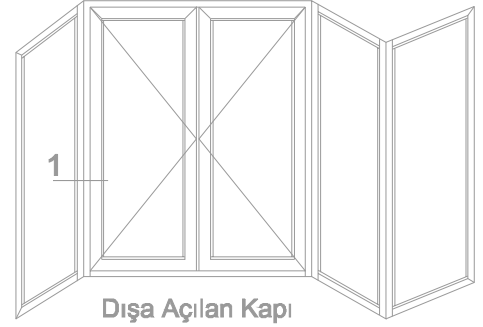
İçe Açılan Kapı

DETAIL 3A DETAYI

Ölçek / Scale : 1/1

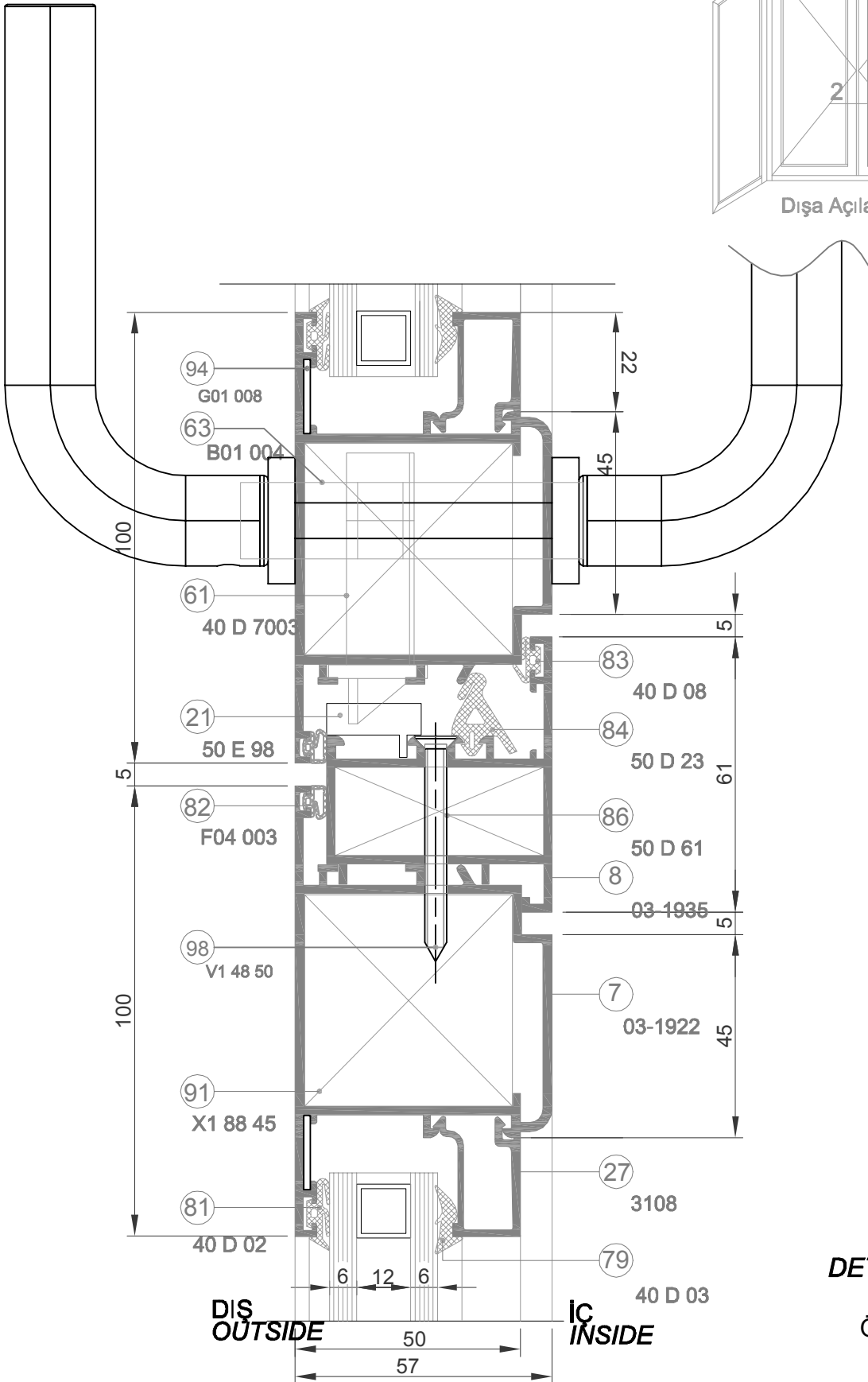
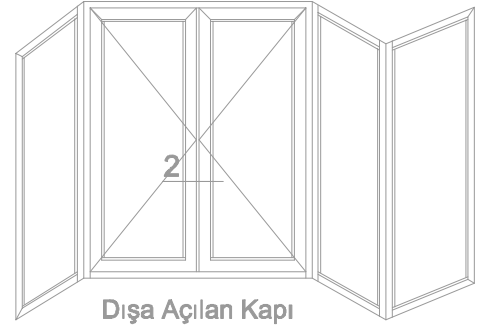


DETAIL 4 DETAYI



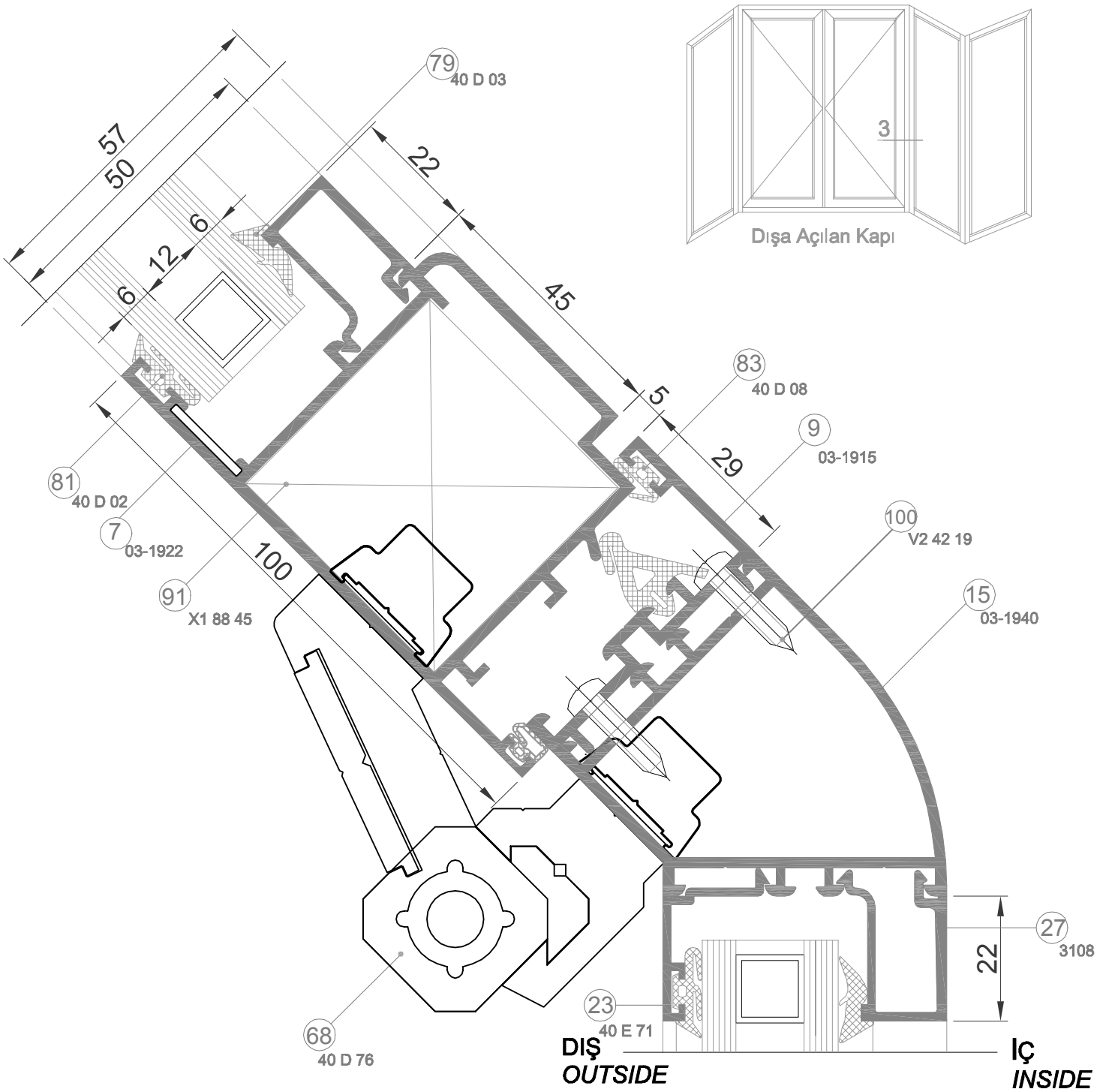
DETAIL 1 DETAYI

Ölçek / Scale : 1/1

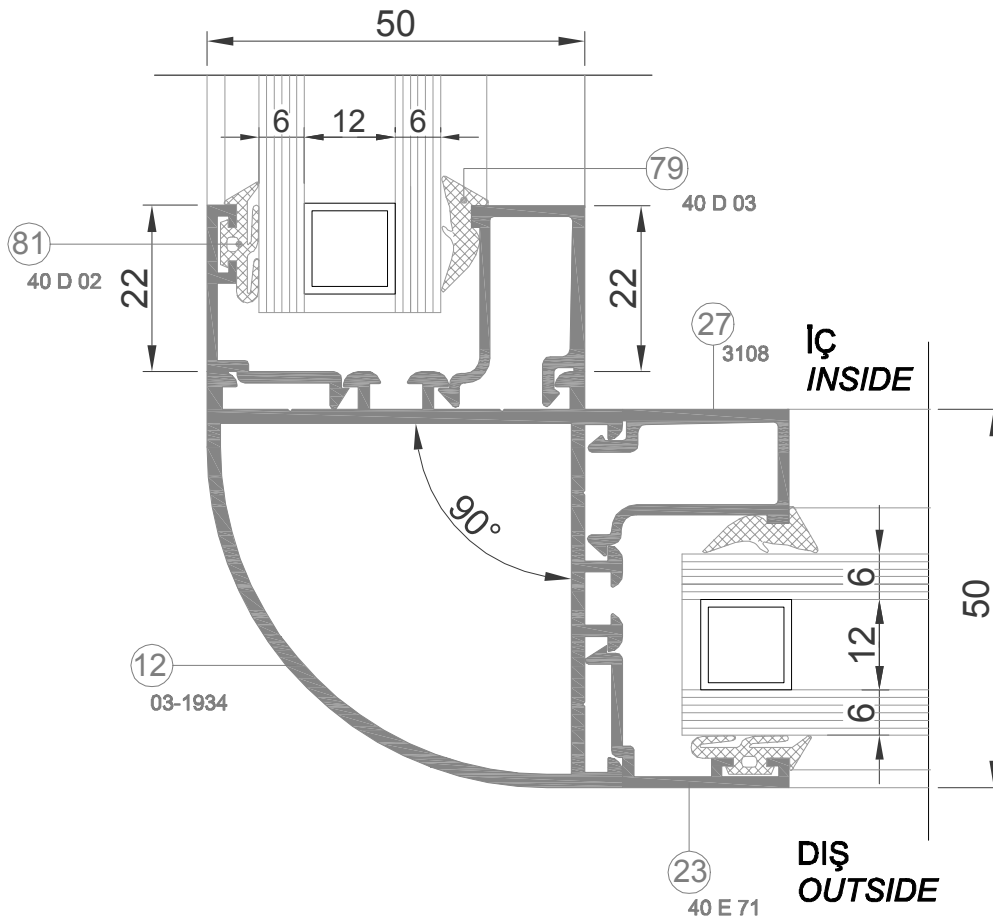
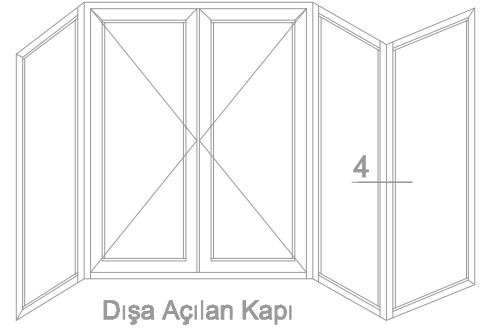


DETAIL **2** DETAYI

Ölçek / Scale : 3/4

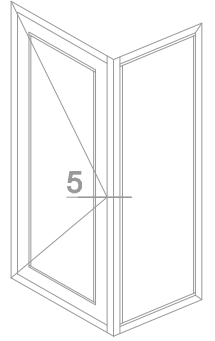


DETAIL 3 DETAYI

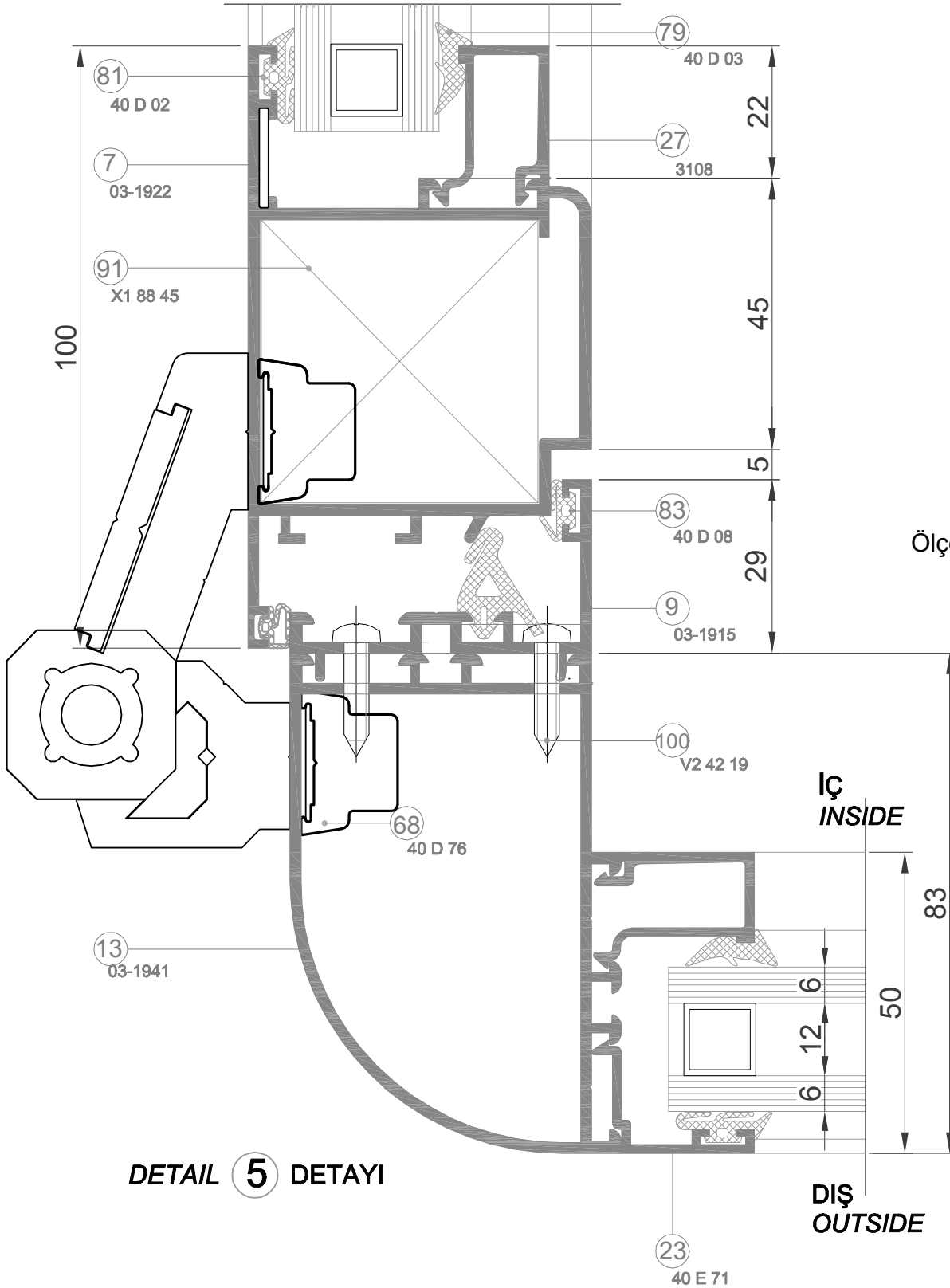


Ölçek / Scale : 1/1

DETAIL 4 DETAYI

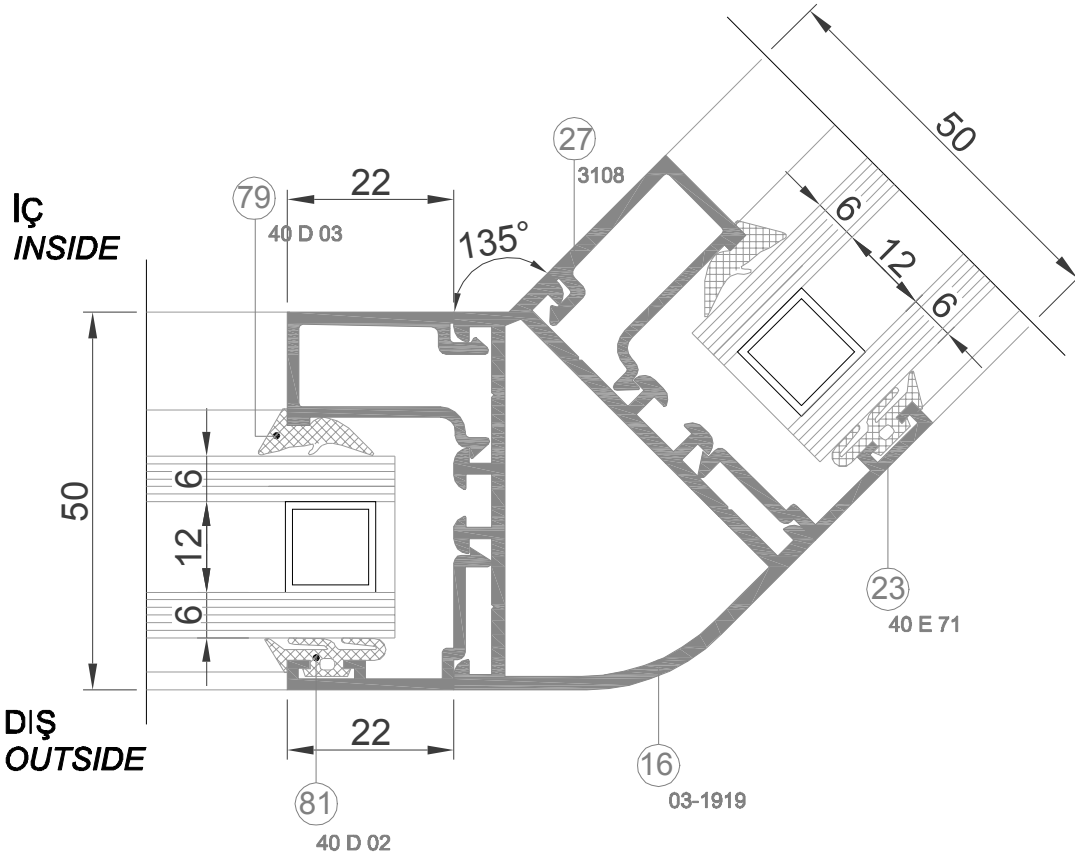
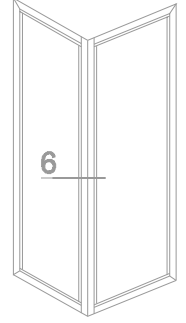


Dışa Açılan Kapı



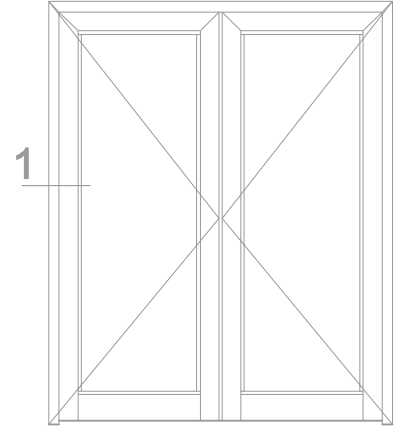
Ölçek / Scale : 1/1

DETAIL 5 DETAYI

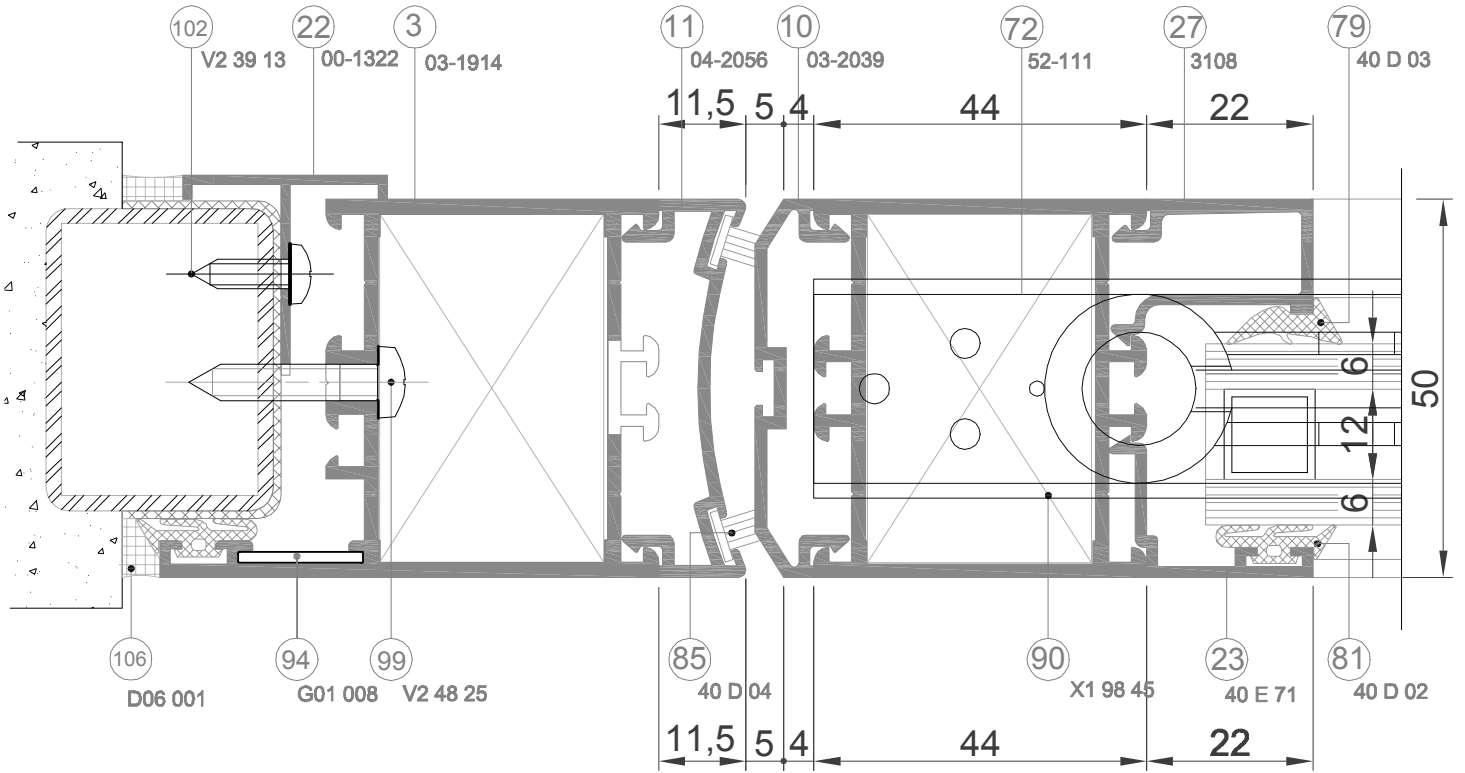


Ölçek / Scale : 1/1

DETAIL **6** DETAYI

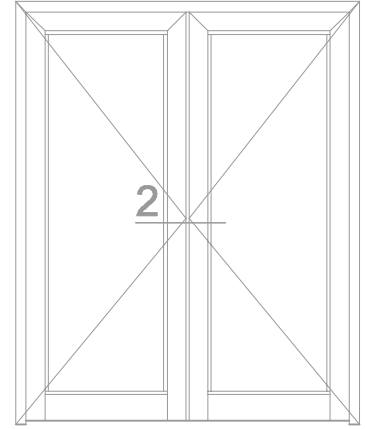


Çarpma Kapı

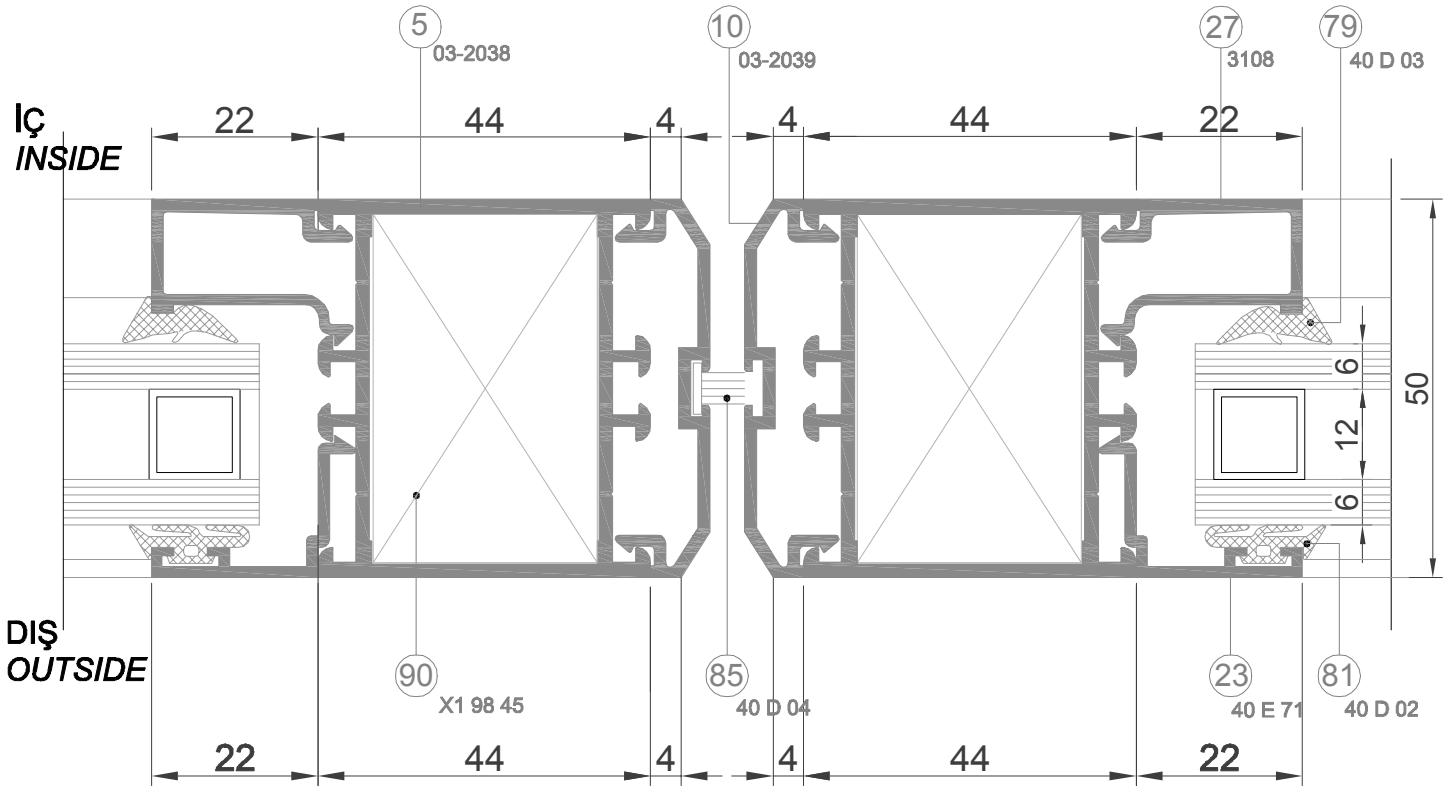


Ölçek / Scale : 1/1

DETAIL ① DETAYI

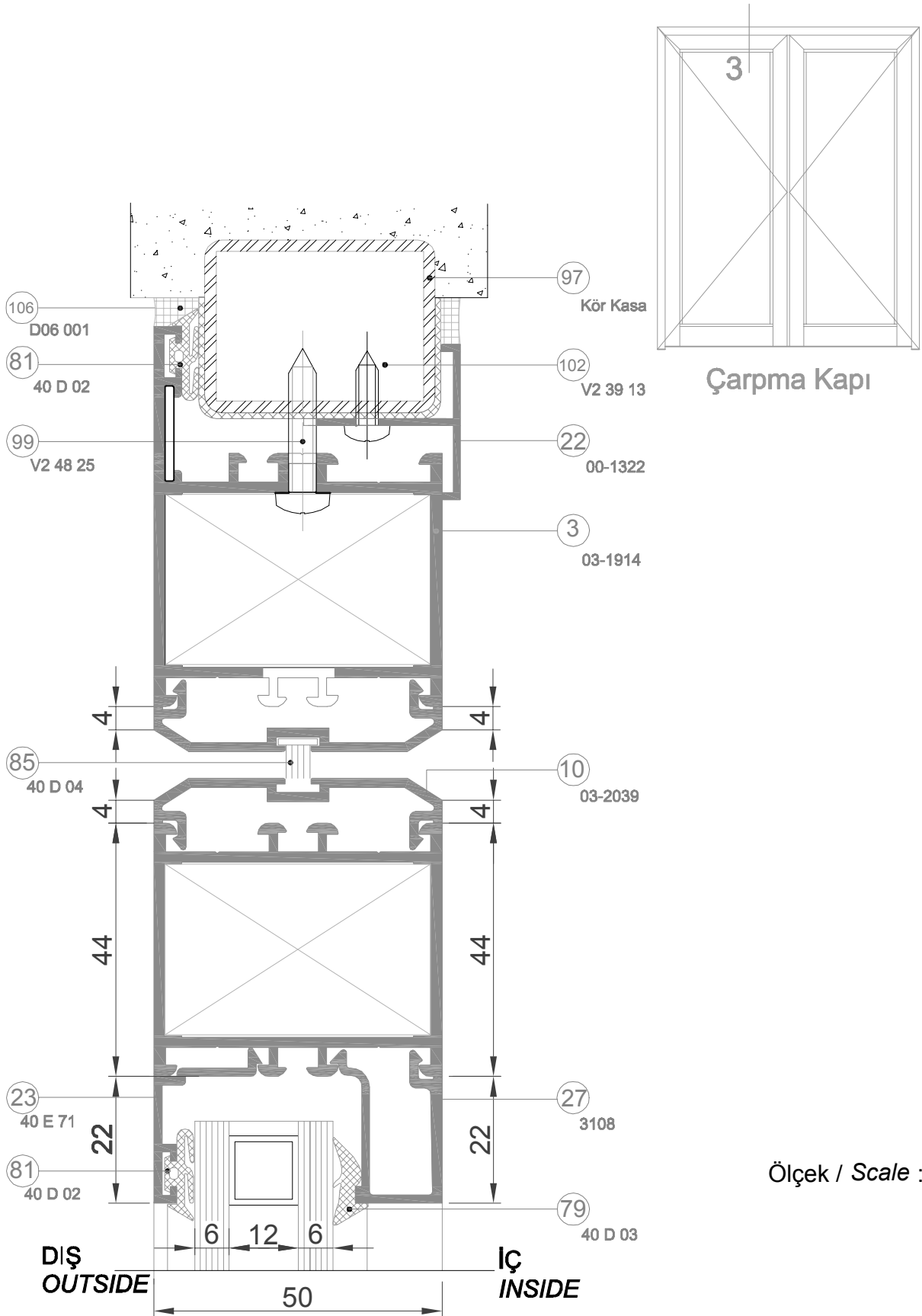


Çarpma Kapı

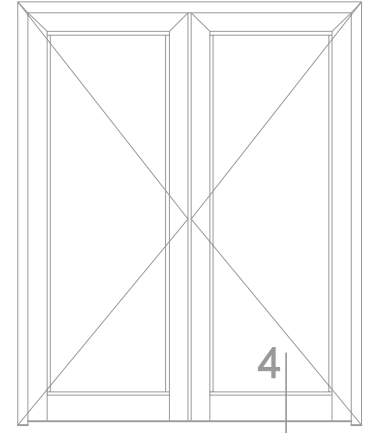


Ölçek / Scale : 1/1

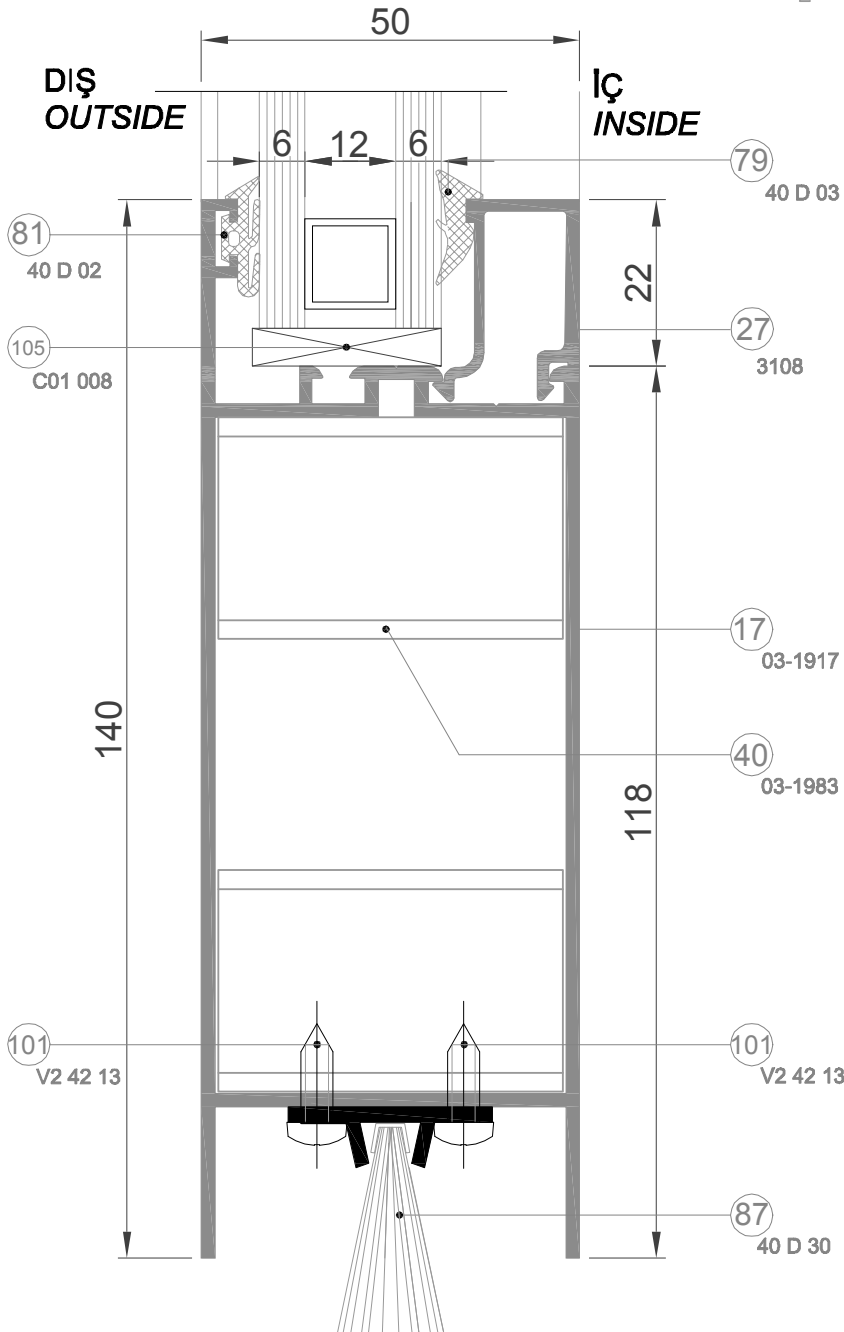
DETAIL 2 DETAYI



Ölçek / Scale : 1/1



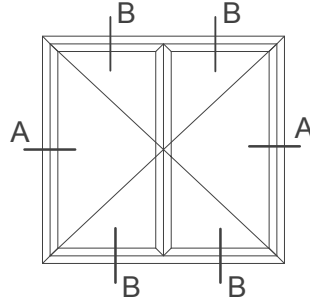
Çarpma Kapı



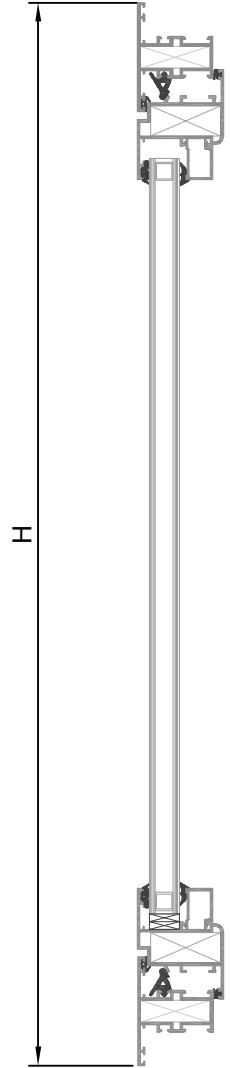
**DETAIL 4 DETAYI**

Ölçek / Scale : 1/1

Kesim Ölçüleri  
Cutting Measures

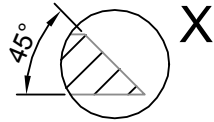


B-B Kesiti  
Section B-B



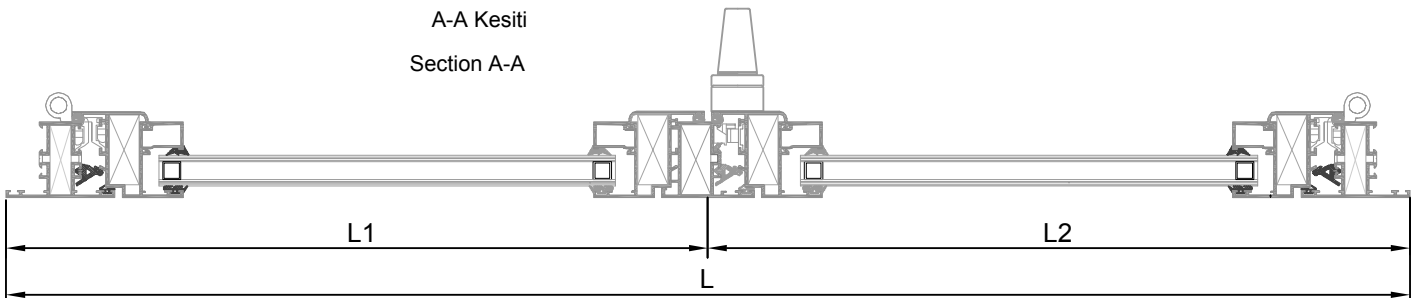
Profilin adı Profile Name	Kodu Code	Sembol Symbol	Adet Quantity	Kesim Cutting
Kayıt ve Kasa Profili Transom-Mullion Profile	03-1913		2	
			2	
Dar Kanat Profili Vent Profile	03-1923		2	
			2	
			2	
Çift Kanat Adaptör Profili Adapter Profile	03-1935		1	
Cam Çıtası Profili Glazing Bead	3109		4	
			4	

\*\* Not: Cam Çıtası Profillerinin ölçüleri preslenmiş kasa veya kanat üzerinden belirlenecektir.  
The measures of Glazing Bead will be determinate on pressed Frame and Vent.

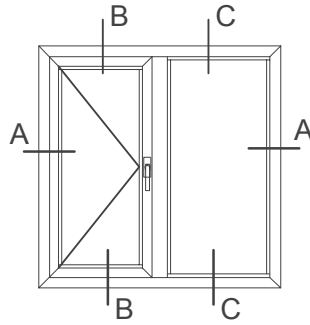


Ölçek : 1/5  
Scale : 1/5

A-A Kesiti  
Section A-A

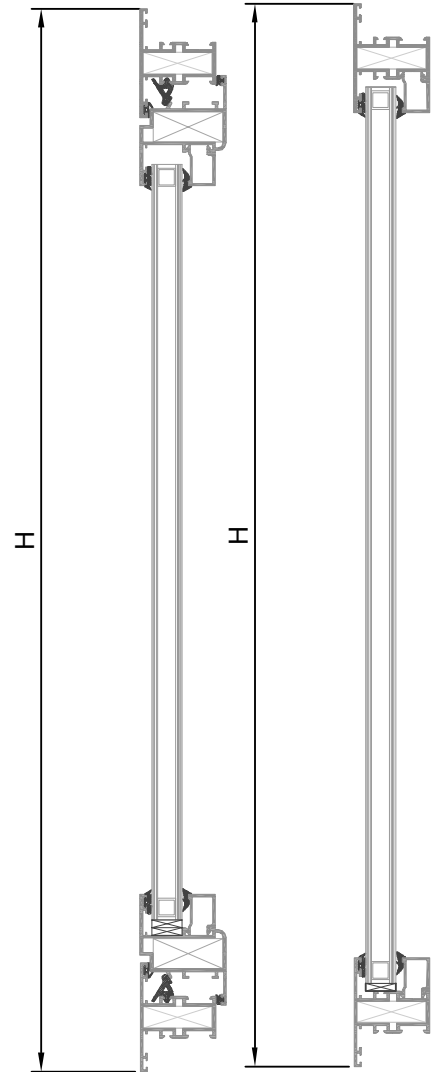


Kesim Ölçüleri  
Cutting Measures



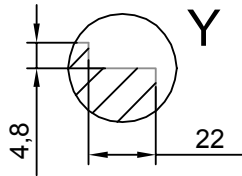
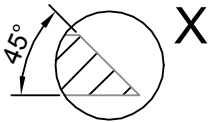
B-B Kesiti  
Section B-B

C-C Kesiti  
Section C-C



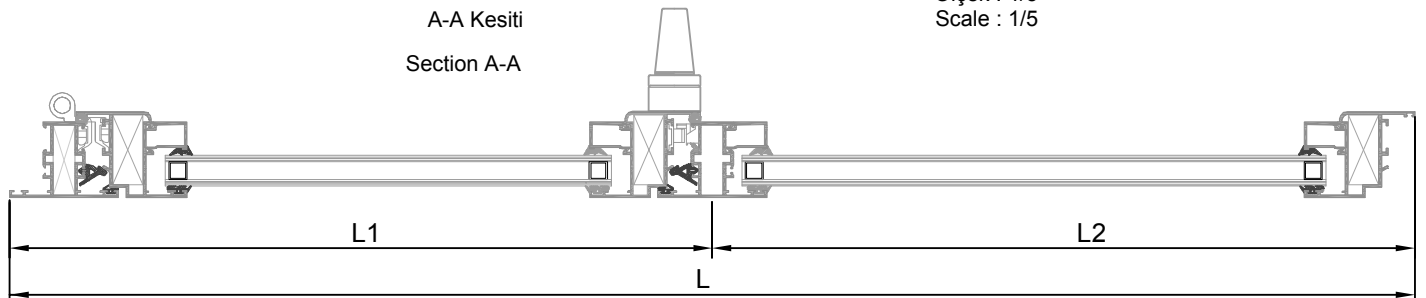
Profilin adı Profile Name	Kodu Code	Sembol Symbol	Adet Quantity	Kesim Cutting
Kayıt ve Kasa Profili Transom-Mullion Profile	03-1913		2	
			2	
			1	
Dar Kanat Profili Vent Profile	03-1923		2	
			2	
Cam Çıtası Profili Glazing Bead	3109		4	
			4	

\*\* Not: Cam Çıtası Profillerinin ölçüleri preslenmiş kasa veya kanat üzerinden belirlenecektir.  
The measures of Glazing Bead will be determinate on pressed Frame and Vent.



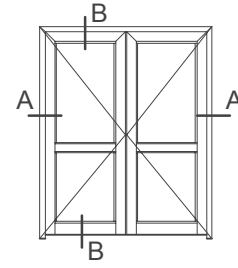
A-A Kesiti  
Section A-A

Ölçek : 1/5  
Scale : 1/5

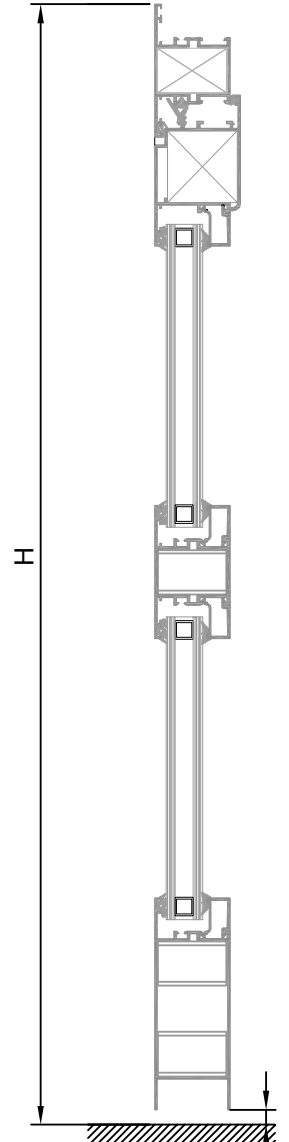
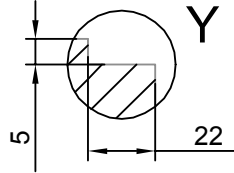
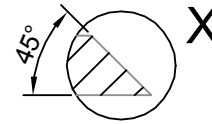


Kesim Ölçüleri  
Cutting Measures

Profilin adı Profile Name	Kodu Code	Sembol Symbol	Adet Quantity	Kesim Cutting
<b>Geniş Kasa Profili</b> Frame Profile	03-1918		1	
			2	
			1	
			1	
<b>Kanat Profili</b> Vent Profile	03-1921		1	
			1	
			4	
<b>Adaptör Profili</b> Adapter Profile	03-1935		1	
<b>Etek Profili</b> Bottom Rail Profile	03-1935		1	
			1	
<b>Cam Çıtası Profili</b> Glazing Bead	3108		8	
			4	
			4	



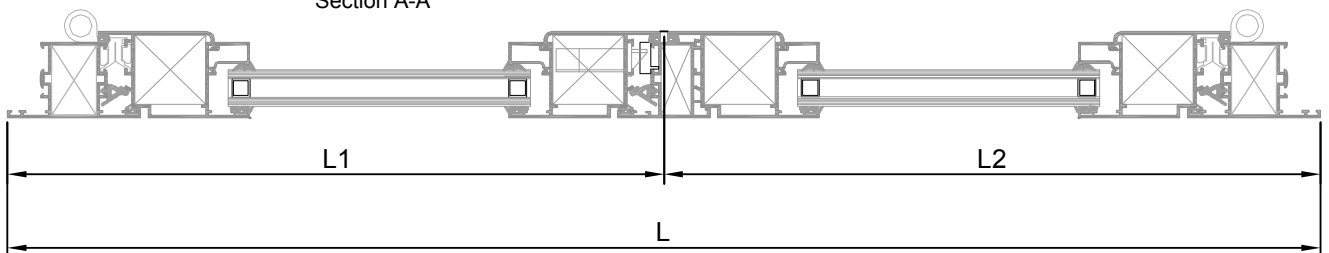
B-B Kesiti  
Section B-B



Ölçek : 1/5  
Scale : 1/5

10

A-A Kesiti  
Section A-A



## Statik Diyagramlar - Orta Kayıt Profilleri

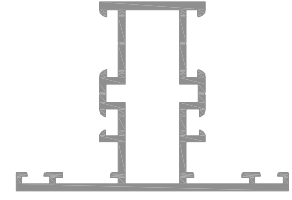
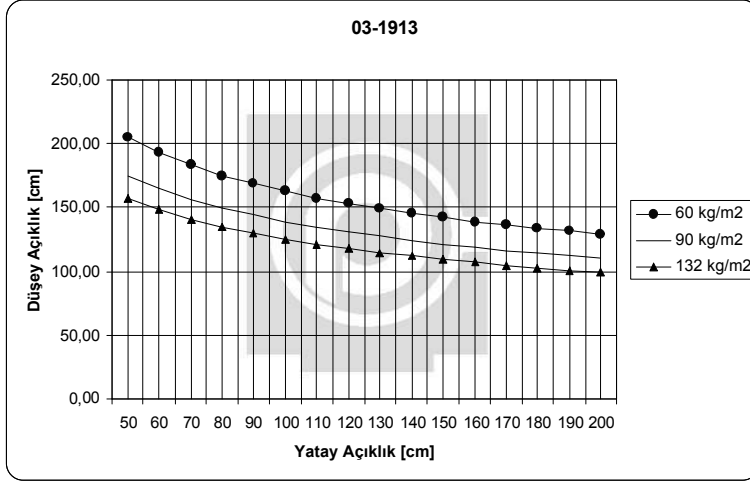
Camın yapacağı sehim ve limit değerler ayrıca kontrol edilmelidir.

Aşağıdaki diyagramlar genel uygulamalar için olup, diğer rüzgar yüklerindeki uygulamalarınız için lütfen temasa geçiniz.

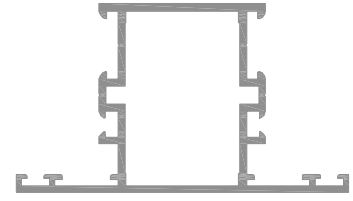
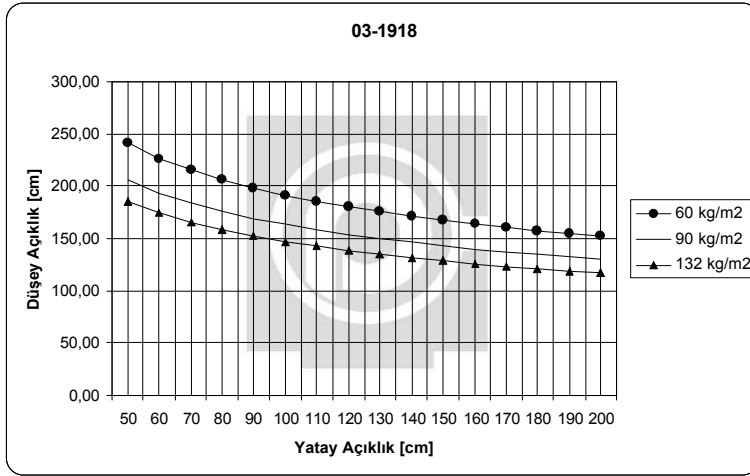
## Static Diagrams - Transom/Mullion Profiles

Deflection of the glass and limit values of the profiles have to be checked separately

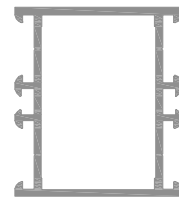
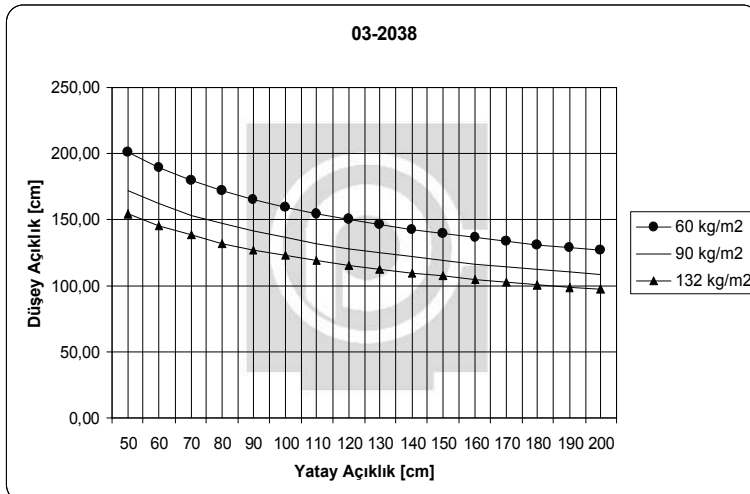
Following diagrams can be used for general applications, please don't hesitate to contact for other wind loads.



03-1913



03-1918

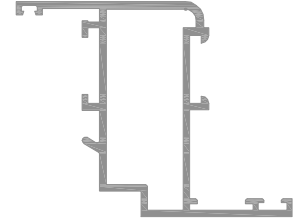
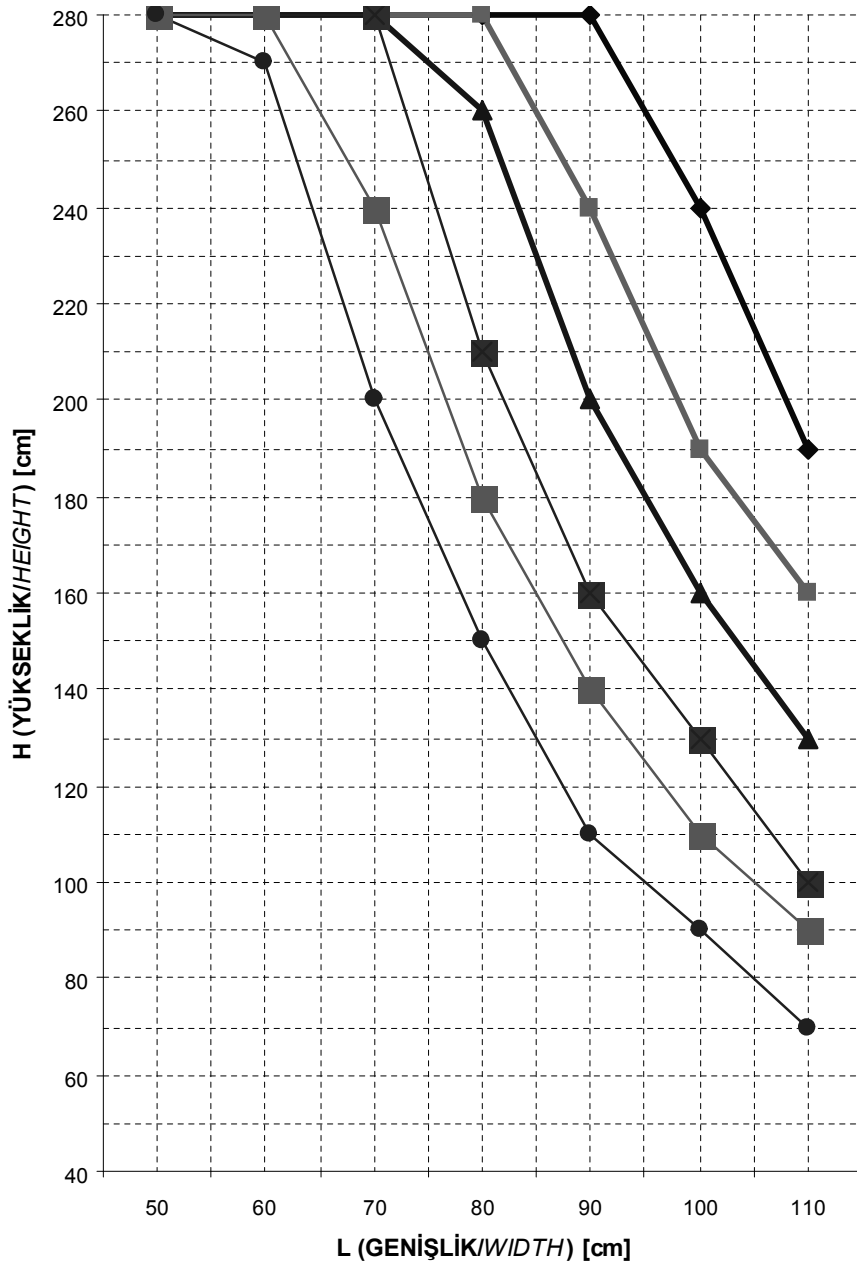


03-2038

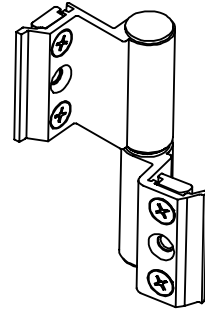
Statik Diyagramlar - Kanat Maksimum Ölçüleri  
Camlama tipi ve takozlama ayrıca kontrol edilmelidir.  
Aşağıdaki diyagram genel uygulamalar için olup, diğer ebatlardaki uygulamalarınız için lütfen temasa geçiniz.

Static Diagrams - Maximum Vent Size  
Glazing type and location of the setting block have to be checked separately  
Following diagram can be used for general applications, please don't hesitate to contact for other dimensions

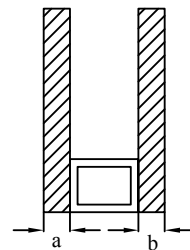
## PENCERE KANAT ÖLÇÜLERİ (WINDOW VENT SIZE)



Kanat Profili / (Vent Profile)  
03-1923



Menteşe (Hinge)  
40 D 22  
H < 2,1 m 2 adet (Piece)  
H > 2,1 m 3 adet (Piece)  
H > 2,5 m 4 adet (Piece)



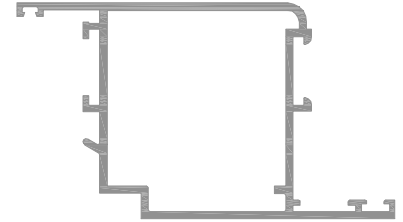
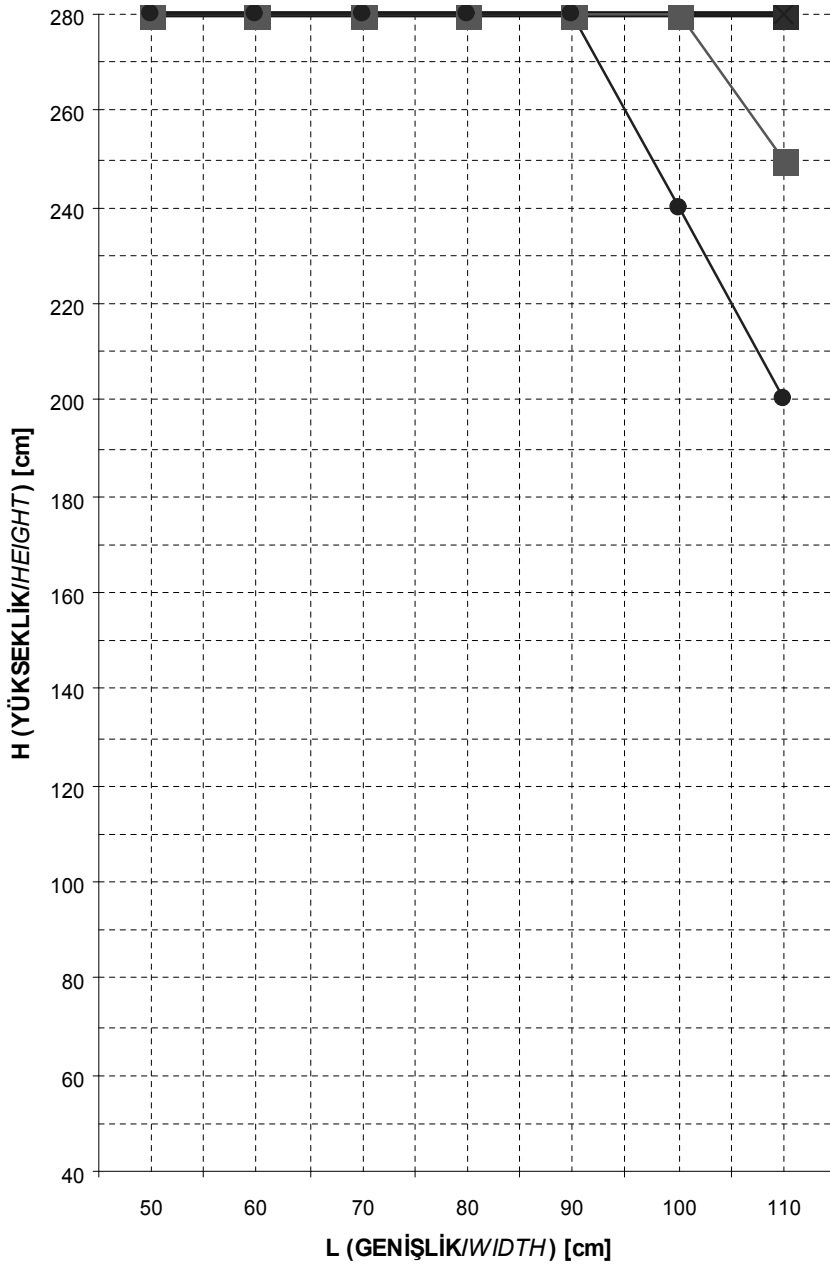
Cam Kalınlığı = a + b  
(Glass Thickness = a + b)

- a+b = 8 mm
- a+b = 10 mm
- ▲— a+b = 12 mm
- a+b = 14 mm
- a+b = 16 mm
- a+b = 20 mm

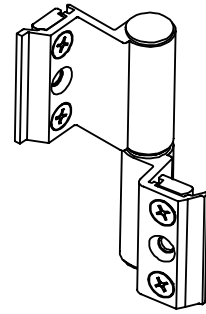
Statik Diyagramlar - Kanat Maksimum Ölçüleri  
Camlama tipi ve takozlama ayrıca kontrol edilmelidir.  
Aşağıdaki diyagram genel uygulamalar için olup, diğer  
ebatlardaki uygulamalarınız için lütfen temasa geçiniz.

Static Diagrams - Maximum Vent Size  
Glazing type and location of the setting block have to be  
checked separately  
Following diagram can be used for general applications,  
please don't hesitate to contact for other dimensions

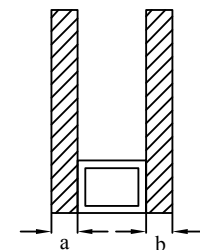
## PENCERE KANAT ÖLÇÜLERİ (WINDOW VENT SIZE)



Kanat Profili / (Vent Profile)  
03-1921



Menteşe (Hinge)  
40 D 27  
H < 2,1 m 2 adet (Piece)  
H > 2,1 m 3 adet (Piece)  
H > 2,5 m 4 adet (Piece)



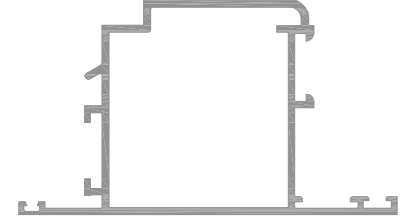
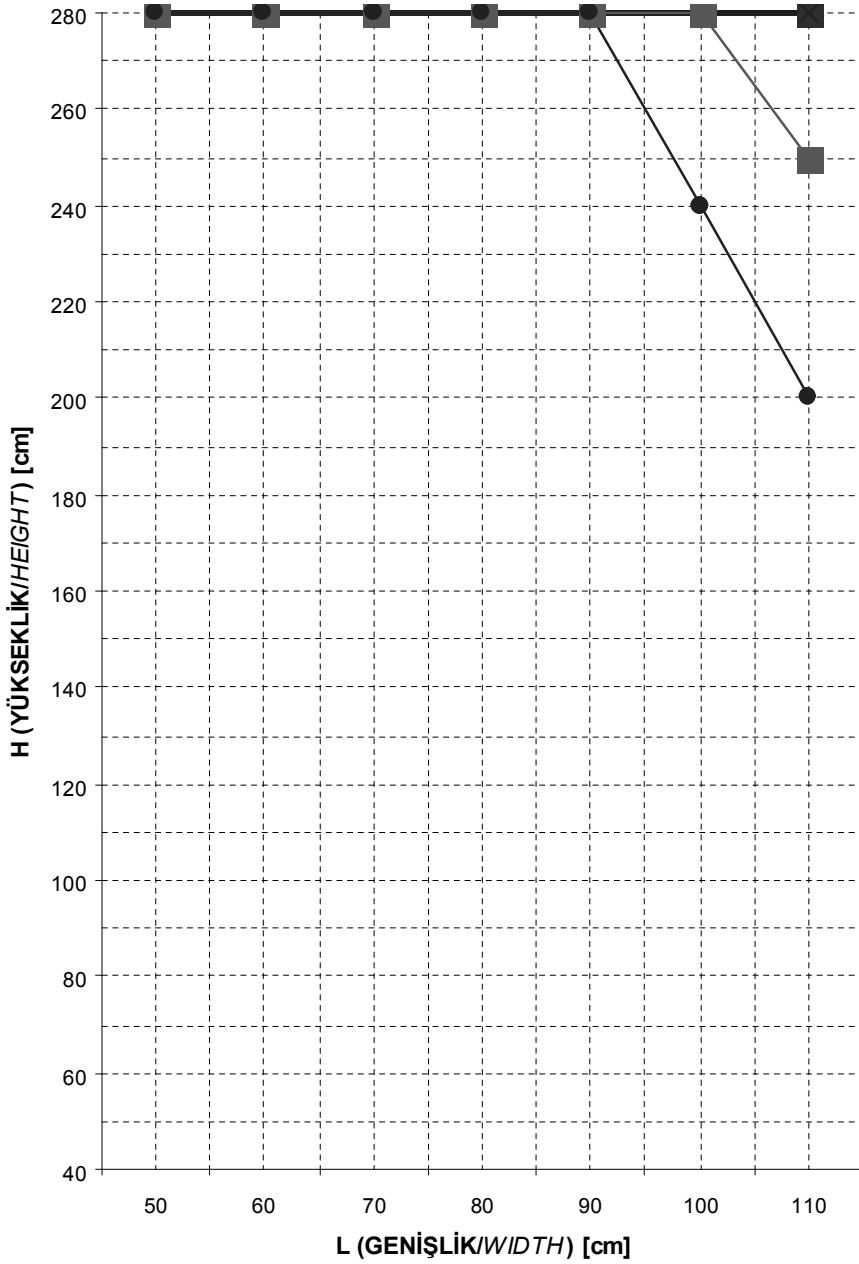
Cam Kalınlığı = a + b  
(Glass Thickness = a + b)

- a+b = 8 mm
- a+b = 10 mm
- ▲— a+b = 12 mm
- a+b = 14 mm
- a+b = 16 mm
- a+b = 20 mm

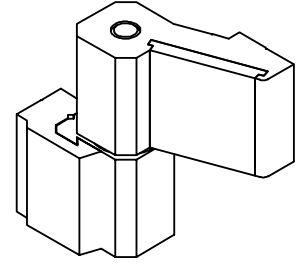
Statik Diyagramlar - Kanat Maksimum Ölçüleri  
Camlama tipi ve takozlama ayrıca kontrol edilmelidir.  
Aşağıdaki diyagram genel uygulamalar için olup, diğer  
ebatlardaki uygulamalarınız için lütfen temasa geçiniz.

Static Diagrams - Maximum Vent Size  
Glazing type and location of the setting block have to be  
checked separately  
Following diagram can be used for general applications,  
please don't hesitate to contact for other dimensions

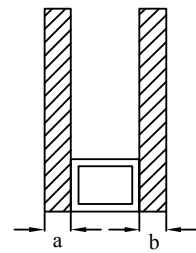
## PENCERE KANAT ÖLÇÜLERİ (WINDOW VENT SIZE)









Kanat Profili / (Vent Profile)  
03-1922



Menteşe (Hinge)  
40 D 76  
H < 2,1 m 2 adet (Piece)  
H > 2,1 m 3 adet (Piece)  
H > 2,5 m 4 adet (Piece)



Cam Kalınlığı = a + b  
(Glass Thickness = a + b)

-  a+b = 8 mm
-  a+b = 10 mm
-  a+b = 12 mm
-  a+b = 14 mm
-  a+b = 16 mm
-  a+b = 20 mm