



HİLAL
Alüminyum

PROFİL KATALOĞU

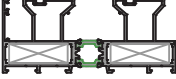
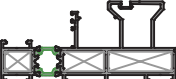
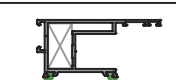
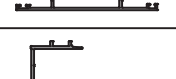
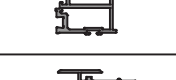
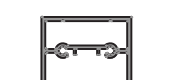
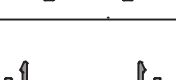
GXY 55 HEBESCHIEBE SÜRME SERİ

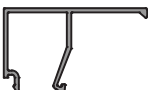
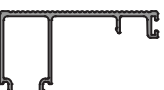
GXY 55 HEBESCHIEBE SLIDING SERIES

★ Profil Ağırlıkları Teorik Olup Teslim Anındaki Ağırlık Geçerlidir

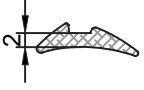
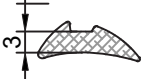
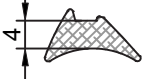
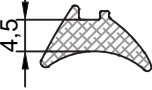
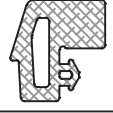
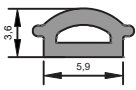
★ *Weight of profiles are theoretical, net weight will valid at the time of delivery.*

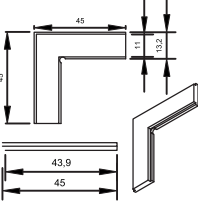
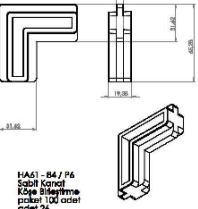
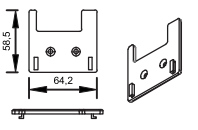
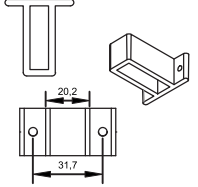
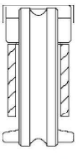
★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

PROFİL KESİTİ	PROFİL KODU	PROFİL ADI	AĞIRLIK	ATALET MOMENTLERİ		SAYFA NO
				J_x (cm ⁴)	J_y (cm ⁴)	
	3664/65	Kasa Profili	3,512 kg/m	199,68	41,52	
	4584/85	Sabit Kasa Profili	2,846 kg/m	144,28	23,94	
	3407/08	Kanat Profili	2,069 kg/m	44,83	32,91	
	4586/87	Sabit Kanat Profili	2,005 kg/m	46,98	29,04	
	4608/09	Köşe Profili	1,695 kg/m	51,40	10,52	
	4610	Köşe Adaptör Profili	1,014 kg/m	...	...	
	4613/4629	Çift Kanat Adaptörü	1,585 kg/m	20,80	13,48	
	3410	Kenet Kapak Profili	0,706 kg/m	...	...	
	3561	Ray Profili	0,93 kg/m	...	...	
	3503	S.Güneş Kırıcı Alt Kasa Profili	0,926 kg/m	...	...	
	3429	S.Güneş Kırıcı Alt Kasa Profili	0,583 kg/m	...	...	
	3500	S.Güneş Kırıcı Üst Kapak Profili	0,272 kg/m	...	...	
	3502	Güneş Kırıcı Profili	0,556 kg/m	...	...	
	3405	S.Güneş Kırıcı Ray Profili	0,483 kg/m	...	...	

PROFİL KESİTİ	PROFİL KODU	PROFİL ADI	AĞIRLIK	ATALET MOMENTLERİ		SAYFA NO
				J_x (cm ⁴)	J_y (cm ⁴)	
	4181	Cam Çıtası	0,209 kg/m	...	...	
	4182	Cam Çıtası	0,236 kg/m	...	...	
	4183	Cam Çıtası	0,248 kg/m	...	...	
	3409	Cam Çıtası	0,262 kg/m	...	...	
	4184	Cam Çıtası	0,276 kg/m	...	...	
	4185	Cam Çıtası	0,286 kg/m	...	...	
	3413	Cam Çıtası	0,369 kg/m	...	...	
	4590	Basamak Çıtası	0,670 kg/m	...	...	
	4588	Orta Bağlantı Profili	1,051 kg/m	...	...	
	4589	Orta Bağlantı Profili	0,552 kg/m	...	...	
	3429	Köşe Takoza	4,569 kg/m	...	...	
	3224	Köşe Takoza	3,459 kg/m	...	...	
	2929	Köşe Takoza	3,341 kg/m	...	...	

★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

AKSESUAR KESİTİ	AKSESUAR KODU	AKSESUAR ADI	AĞIRLIK	PAKETLEME	SAYFA NO
	HL25	Cam Yatak Fitili	44 gr/m	15kg/ 340m	
	HL62	Kanat Fitili	47 gr/m	15kg/ 319m	
	HL58	Kenet Fitili	312 gr/m	15kg/ 48m	
	HL31(2mm)	Kama Fitili	40 gr/m	15kg/ 375m	
	HL04(3mm)	Kama Fitili	60 gr/m	15kg/ 250m	
	HL07(4mm)	Kama Fitili	63 gr/m	15kg/ 238m	
	HL02(4.5mm)	Kama Fitili	70 gr/m	15kg/ 175m	
	HL110	Basamak Çıtası Altı Fitili	165 gr/m	15kg/ 98m	
	HL111	Köşe Fitili	40 gr/m	15kg/ 375m	
	HL112	Köşe Adaptör Fitili	57 gr/m	15kg/ 263m	
	HL63	Ray Kapama	26 gr/m	15kg/ 576m	
	HA-B9576	U Profili	0,215 kg/m	15kg/ 163m	
	4606	U Profili	0,350 kg/m	...	

AKSESUAR KESİTİ	AKSESUAR KODU	AKSESUAR ADI	AĞIRLIK	PAKETLEME	SAYFA NO
	3561	Çelik Ray	...	...	
 HA 26-05/4 Su Tahliye Kapağı	HA26-05/4	Su Tahliye Kapağı	...	100Ad/ 1Paket	
	HA56-04/5	Köşe Gönye	...	1 Ad/ Paket	
 HA61 - 84 / P6 Sabit Kanat Köşe Birleştirme paket 100 adet ağırlık paket 2,60 kg	HA61-84/P6	Sabit Kanat Köşe Birleştirme	...	1 Ad/ Paket	
	HA30-11/4	Ray Kanal Kapağı (Sağ-Sol)	...	1Tk/ Paket	
	HA61-84/P7	Sabitleme Takozu	...	1 Ad/ Paket	
 HA33-07/8 HEBESCHIEBE RULMAN	HA33-07/8	Hebeschiebe Rulman	...	1 Ad/ Paket	

AKSESUAR KESİTİ	AKSESUAR KODU	AKSESUAR ADI	AĞIRLIK	PAKETLEME	SAYFA NO
 HA 60-Y6/2 Araba	HA60-Y6/2	Araba	...	...	
 HE-9100 Sürme Kıl Fitali Arası Naylonlu Pb067-550 Sliding Brush 067X550	HE-9100	Sürme Kıl Fitali	...	...	
	HA42-36/1	Alt-Üst Tozluk Fitali	...	...	
 HA 32-10/3 HAVUZ KOL (PROFİL KESİM) KOLİ ADET : 400 KOLİ AĞIRLIK : 8,50 KG	HA32-10/3	Havuz Kol	...	...	
	HA32-11/GRS HE-9500	Yaylı Havuz Kol	...	...	

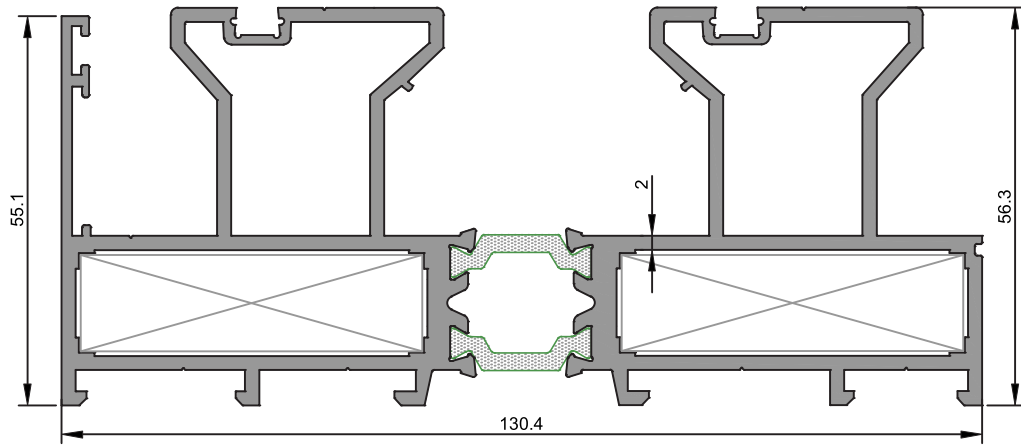
★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

3664/65

Kasa Profili

3,511 kg/m

$J_x=199,67 \text{ cm}^4$ $J_y=41,53 \text{ cm}^4$

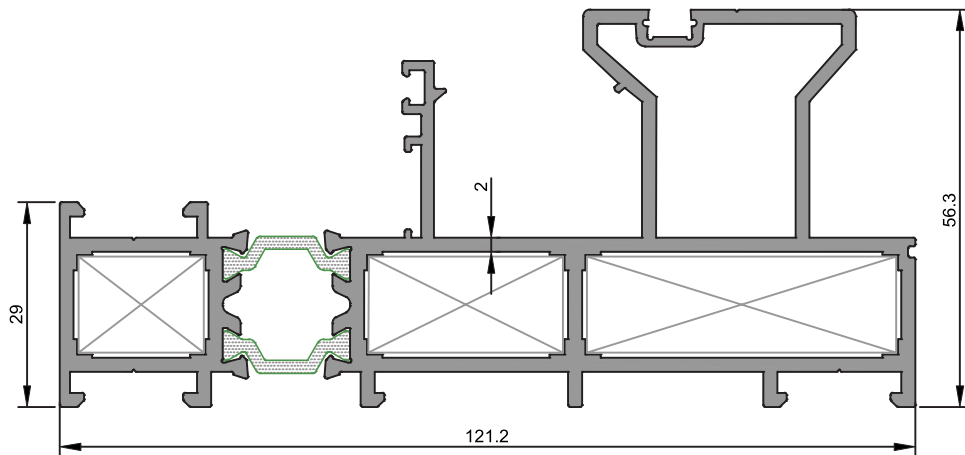


4584/85

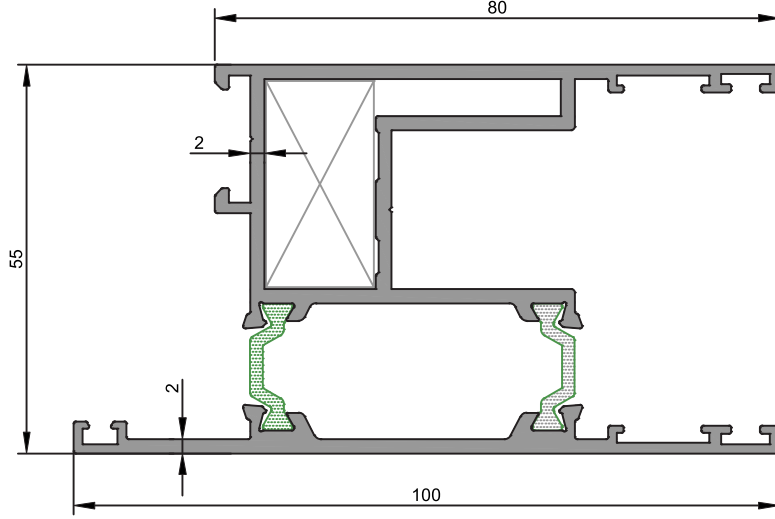
Sabit Kasa Profili

2,846 kg/m

$J_x=152,04 \text{ cm}^4$ $J_y=24,05 \text{ cm}^4$



★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

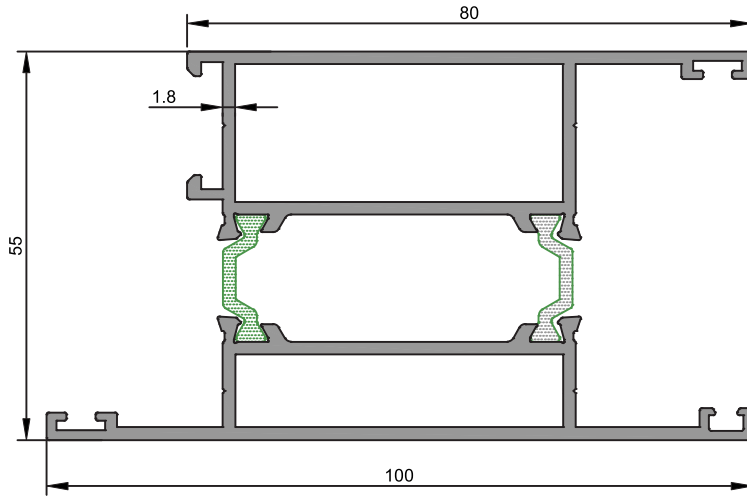


3407/08

Kanat Profili

2,069 kg/m

$J_x=44,83 \text{ cm}^4$ $J_y=32,91 \text{ cm}^4$

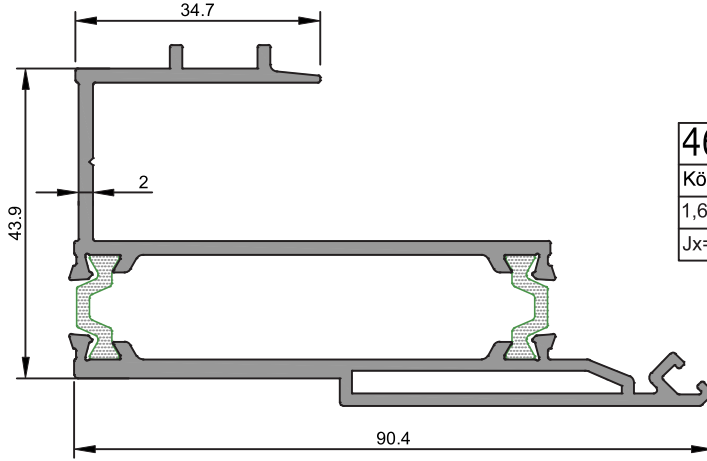


4586/87

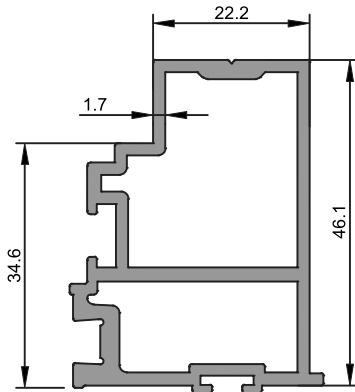
Sabit Kanat Profili

2,005 kg/m

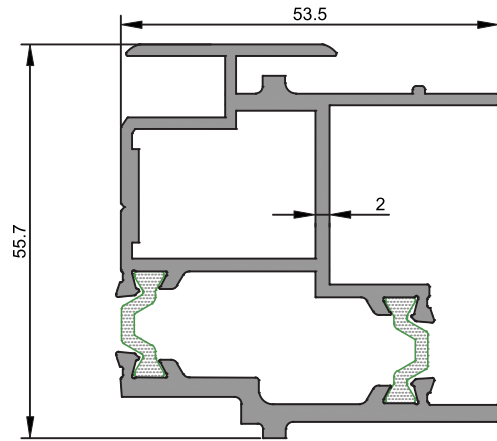
$J_x=46,98 \text{ cm}^4$ $J_y=29,04 \text{ cm}^4$



4608/09
Köşe Profili
1,695 kg/m
$J_x=51,40 \text{ cm}^4$ $J_y=10,52 \text{ cm}^4$

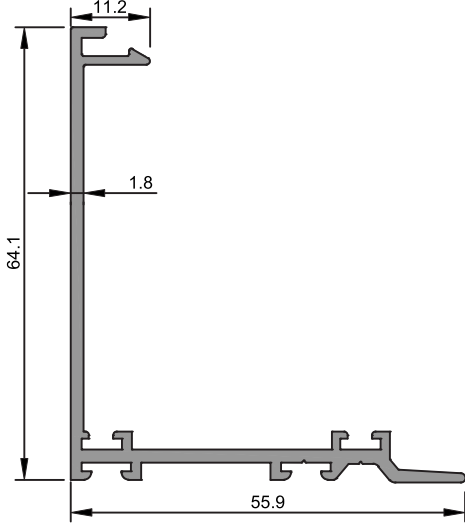


4610
Köşe Adaptör Profili
1,014 kg/m



4613/4629
Çift Kanat Adaptörü
1,585 kg/m
$J_x=20,80 \text{ cm}^4$ $J_y=13,48 \text{ cm}^4$

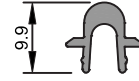
★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.



3410

Kenet Kapak Profili

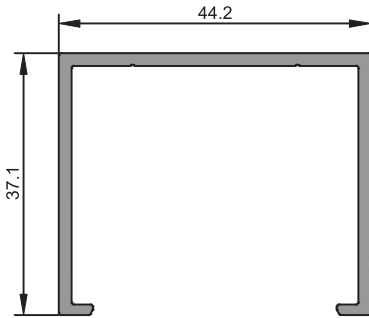
0,706 kg/m



3561

Ray Profili

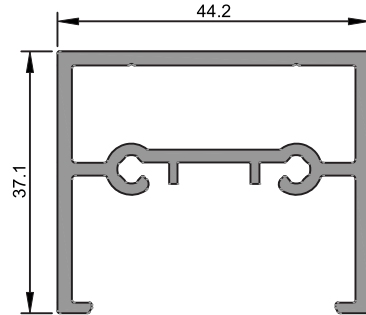
0,093 kg/m



3501

S.Güneş Kırıcı Alt Kasa Profili

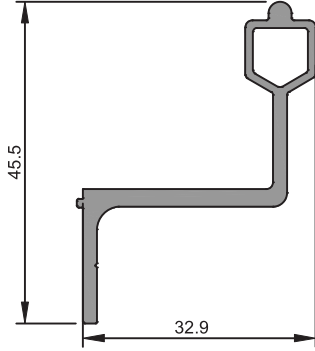
0,583 kg/m



3503

S.Güneş Kırıcı Alt Kasa Profili

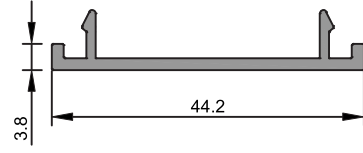
0,926 kg/m



3405

S.Güneş Kırıcı Ray Profili

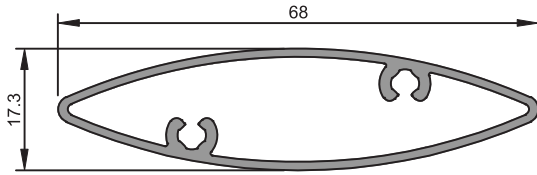
0,483 kg/m



3500

S.Güneş Kırıcı Üst Kapak Profili

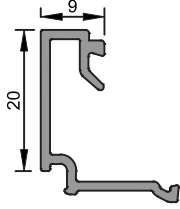
0,272 kg/m



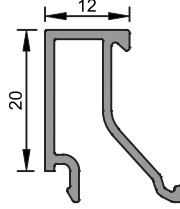
3502

Güneş Kırıcı Profili

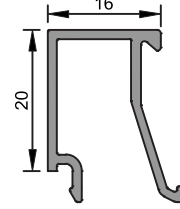
0,556 kg/m



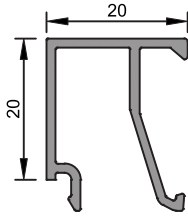
4181
Cam Çıtası
0,209 kg/m



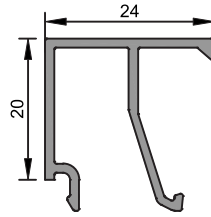
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Cam Çıtası
0,236 kg/m



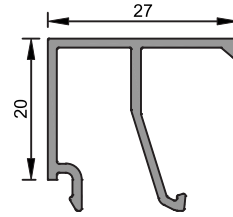
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Cam Çıtası
0,248 kg/m



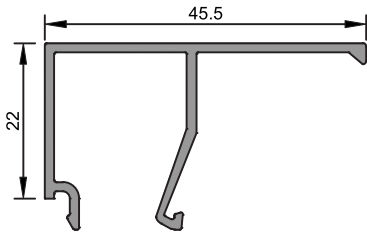
3409
Cam Çıtası
0,262 kg/m



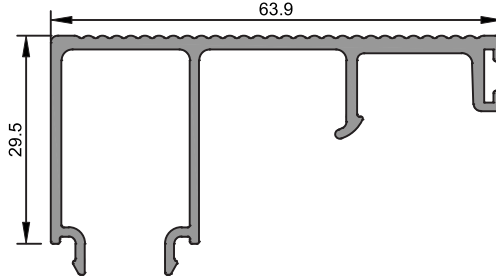
4184
Cam Çıtası
0,276 kg/m



4185
Cam Çıtası
0,286 kg/m



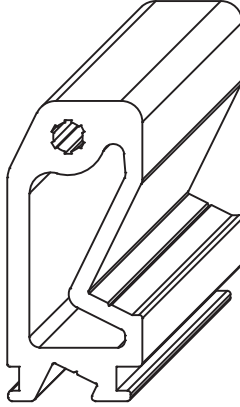
3413
Cam Çıtası
0,369 kg/m



4590
Basamak Çıtası
0,724 kg/m

★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

ÇEKTİRME TAKOZU KESİM ÖLÇÜLERİ

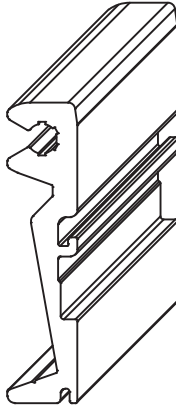


4588

Orta Bağlantı Takozu

1,051 kg/m

Aksesuar Kodu	Profil Kodu	Kesim Ölçüsü A(mm)
C4488 046	4486/4487	46



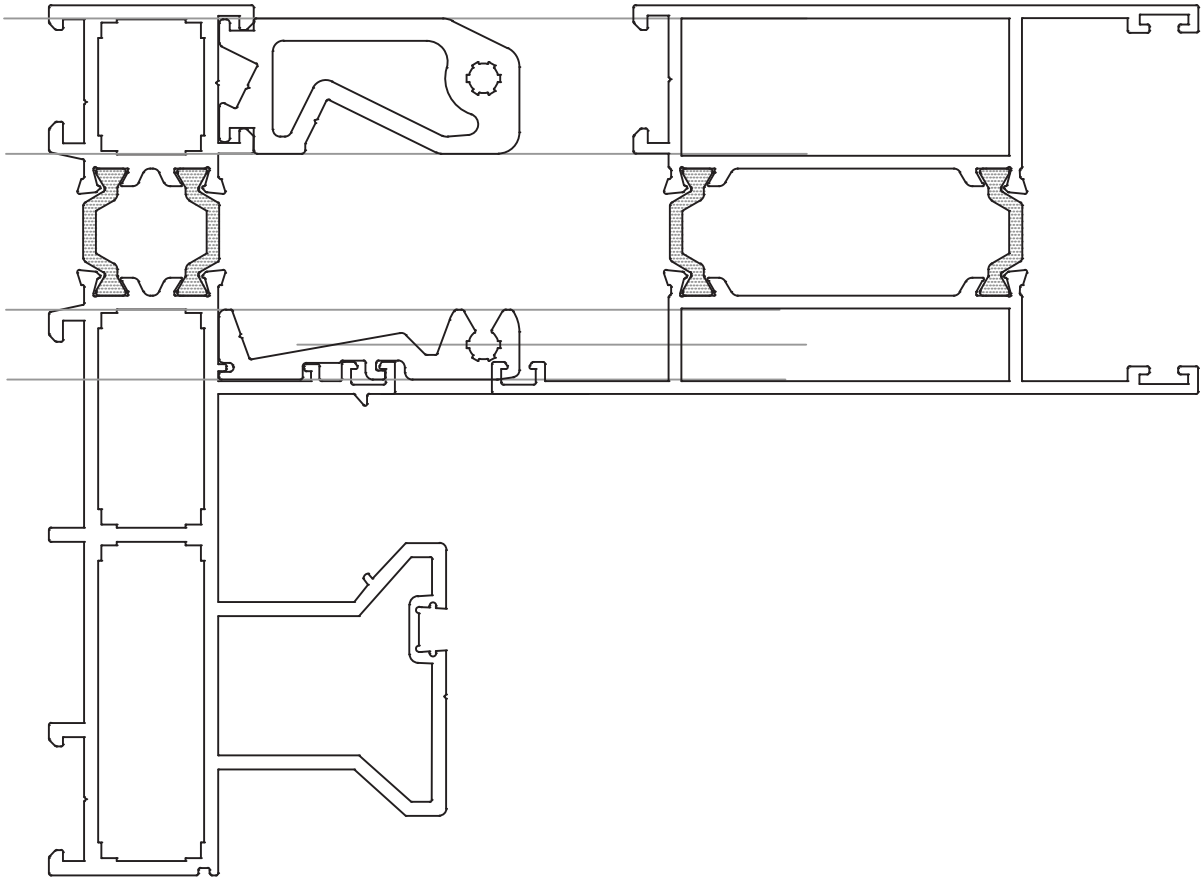
4589

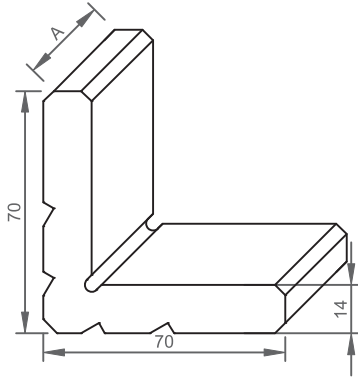
Orta Bağlantı Takozu

0,552 kg/m

Aksesuar Kodu	Profil Kodu	Kesim Ölçüsü A(mm)
C4489 046	4486/4487	46

★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.



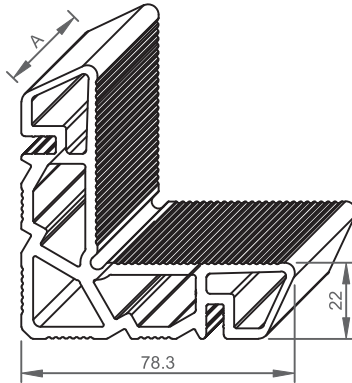


3429

Kanat Köşe Takoza

4,569 kg/m

Aksesuar Kodu	Profil Kodu	Kesim Ölçüsü A(mm)
K3429 405	3664/3665	40.5
K3429 177	4584/4585	17.7
K3429 275	4584/4585	27.5
K3429 445	4584/4585	44.5

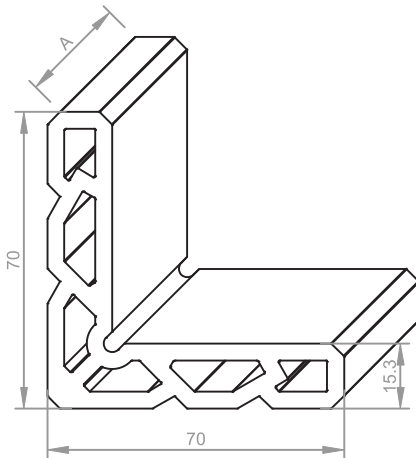


3224

Kasa Takoza

3,459 kg/m

Aksesuar Kodu	Profil Kodu	Kesim Ölçüsü A(mm)
K3224 456	3396	45.6
K3224 422	3396	42.2



2929

Köşe Takoza

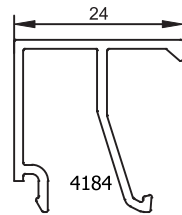
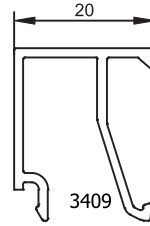
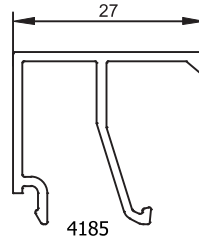
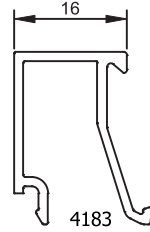
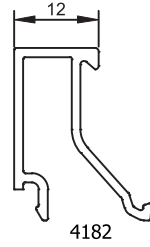
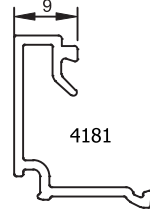
3,341 kg/m

Aksesuar Kodu	Profil Kodu	Kesim Ölçüsü A(mm)
K2929 292	3407/3408	29.2

ÖLÇEK:1/1
CAMLAMA SEÇENEK TABLOSU

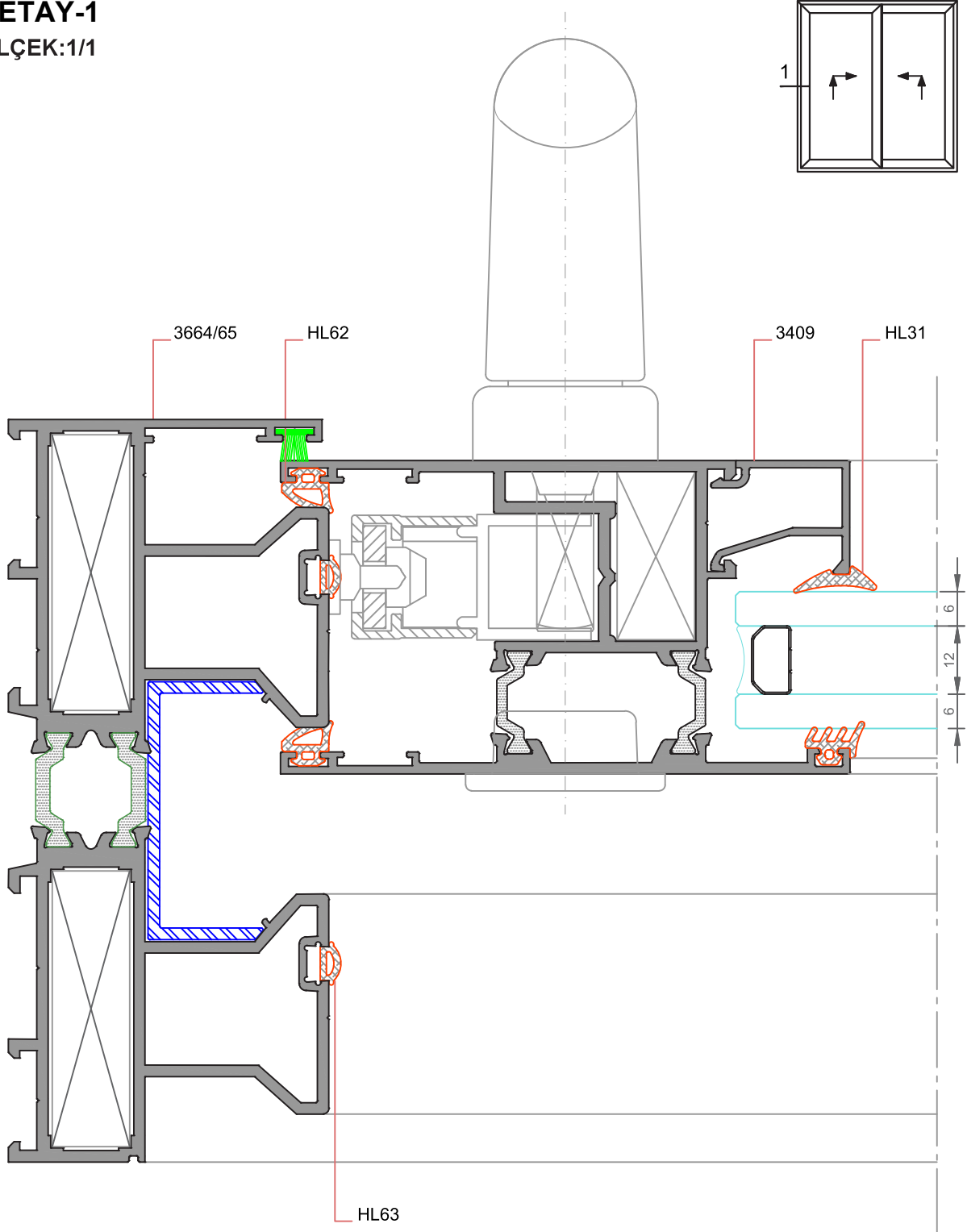
50,5		Cam Kalınlığı - Cam Çıtası Yüksekliği	Fıtlı Kodu	Profil
55				
3 18 19 20 22 23 24 25 26 27 28 29 30	9	HL 07	4181	
		HL 04		
		HL 31		
	12	HL 07	4182	
		HL 04		
		HL 31		
	16	HL 07	4183	
		HL 04		
		HL 31		
	20	HL 07	3409	
		HL 04		
		HL 31		
	24	HL 07	4184	
		HL 04		
		HL 31		
	27	HL 07	4185	
		HL 04		
		HL 31		

The drawing illustrates a window frame assembly in cross-section. It features a main frame with a central glass unit. The glass unit is composed of multiple panes, each labeled with a number (18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30). The panes are arranged in a stepped fashion, with the top pane (18) being the widest and the bottom pane (30) being the narrowest. The frame is shown with various internal components, including a central cross-brace and a bottom support structure. A red hatched area indicates a specific material or component. A dimension line at the top indicates a width of 50,5. A small dimension of 3 is shown on the left side. A small detail of a frame profile is shown on the right side.

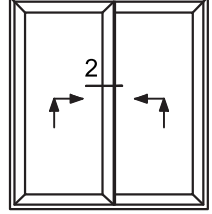


★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

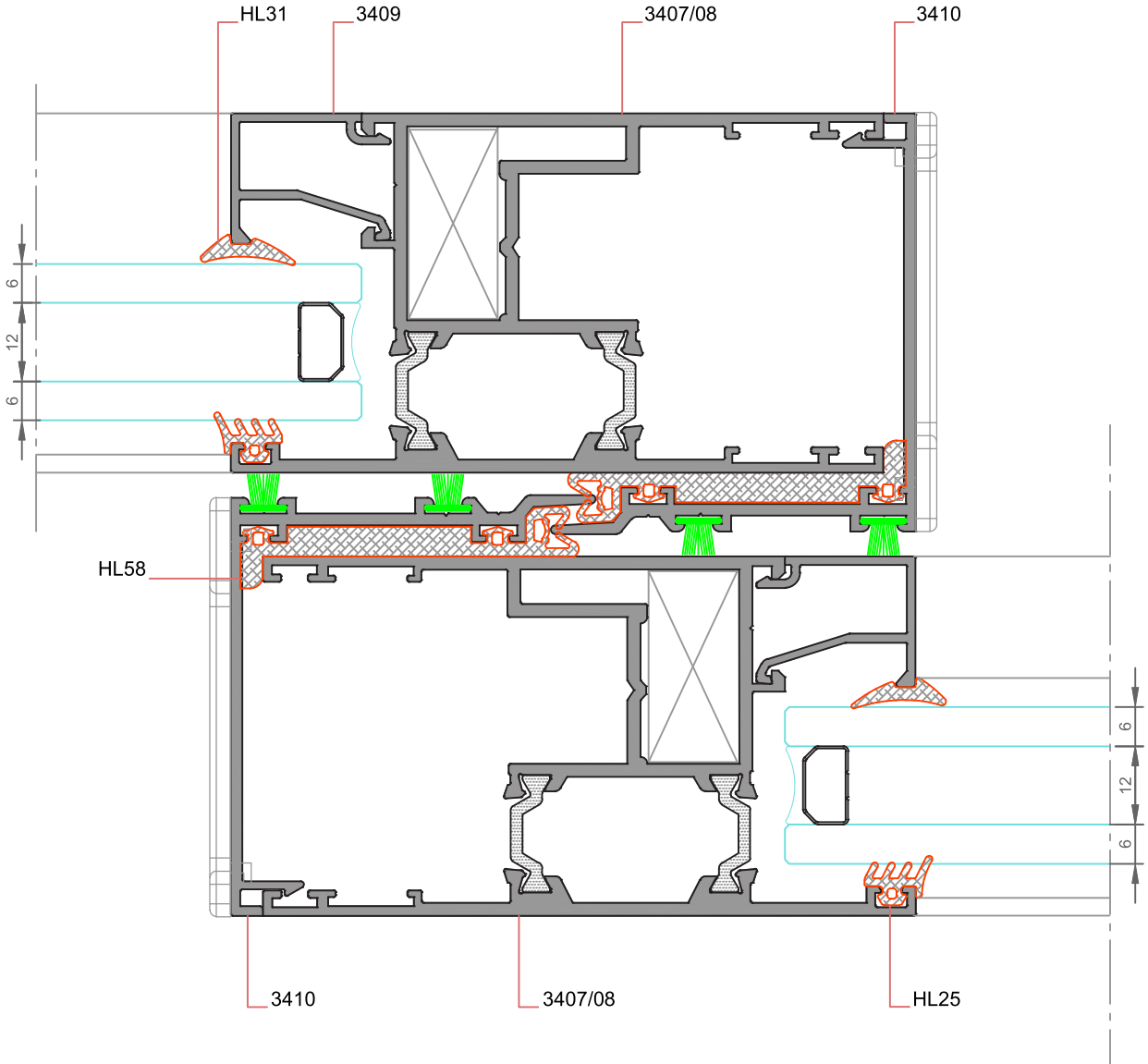
DETAY-1
ÖLÇEK:1/1



DETAY-2
ÖLÇEK:1/1

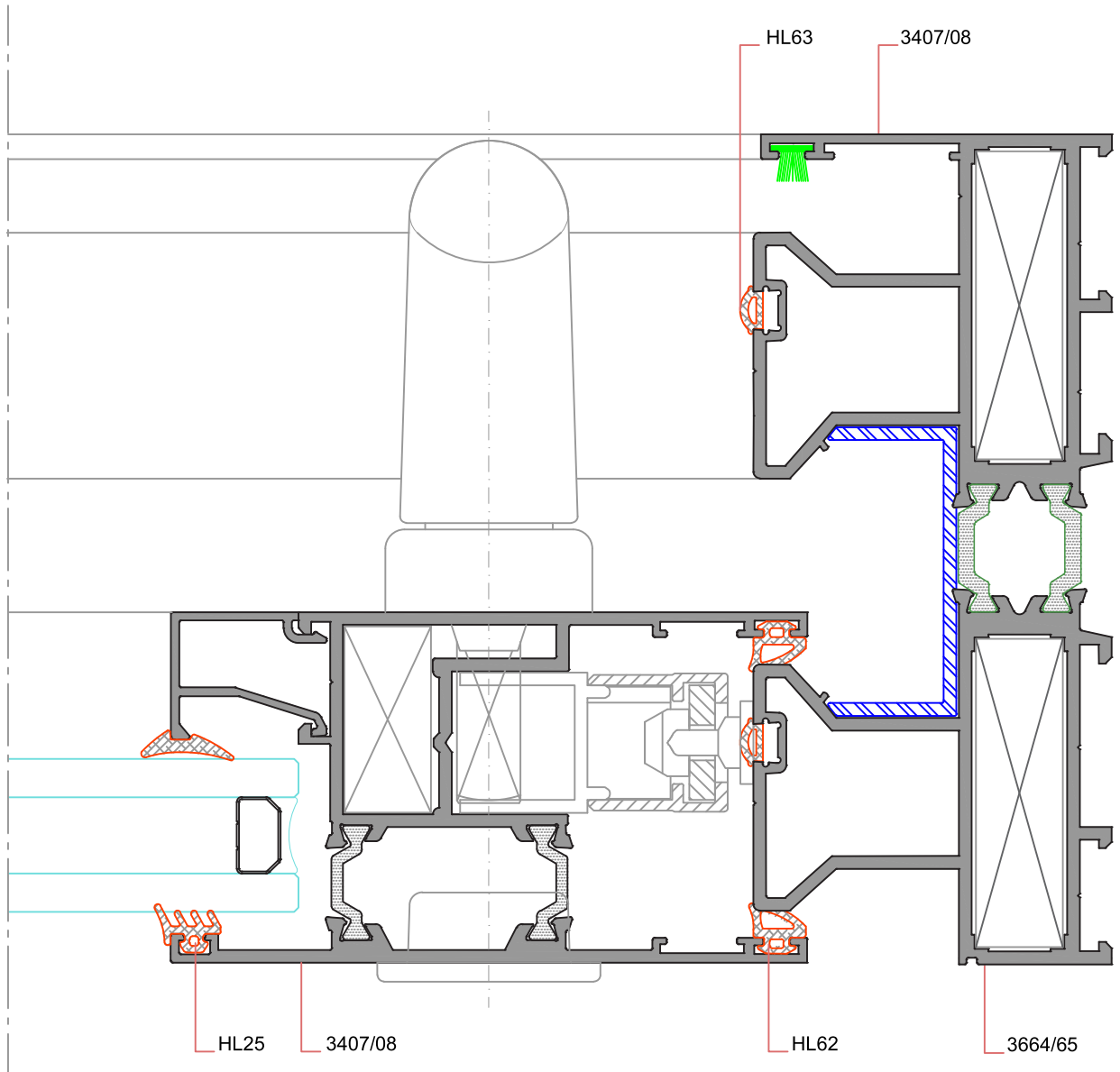
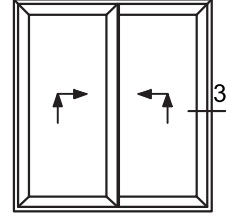


★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.



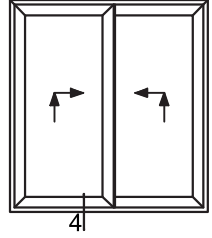
DETAY-3

ÖLÇEK:1/1

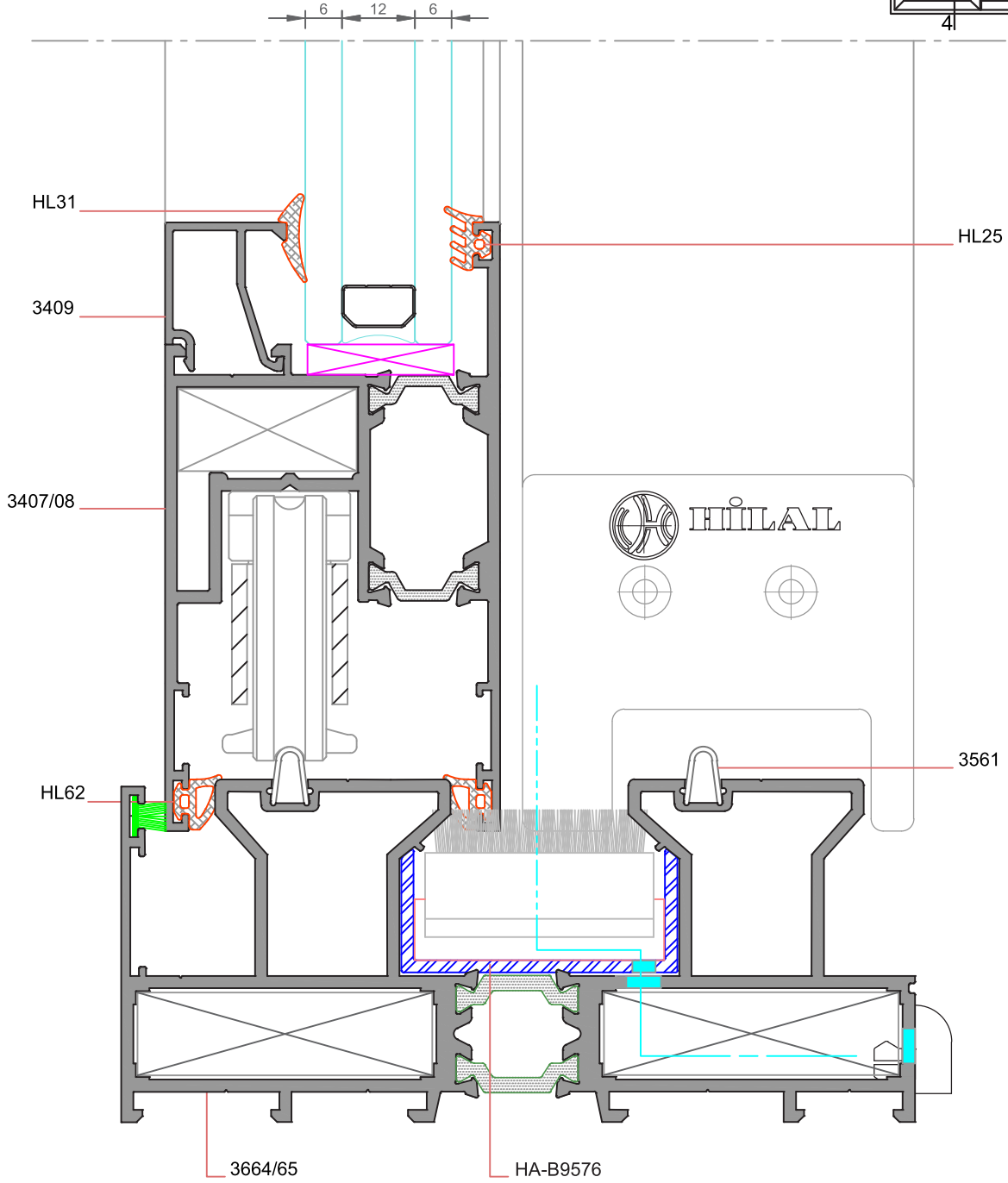


DETAY-4

ÖLÇEK:1/1

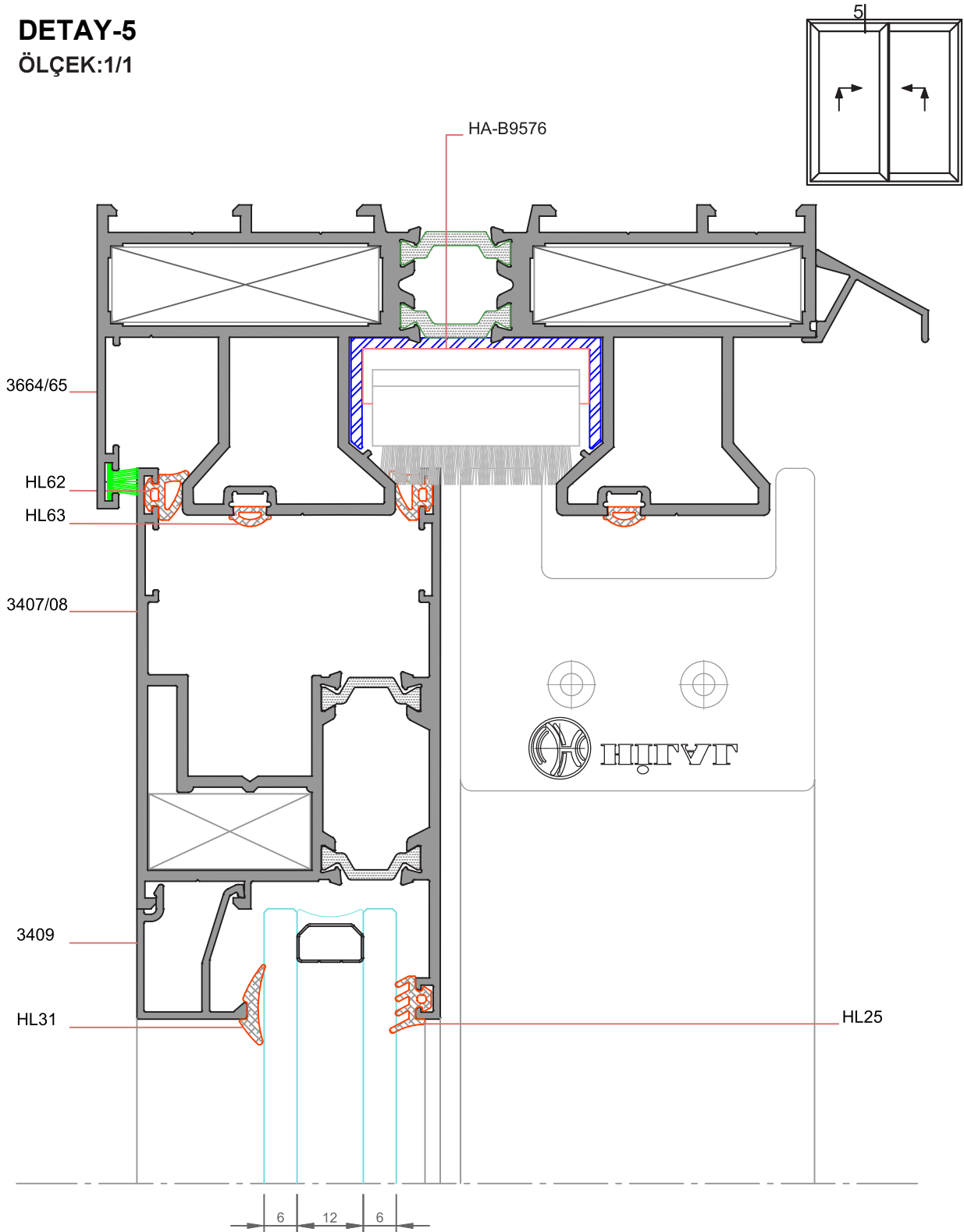


★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.



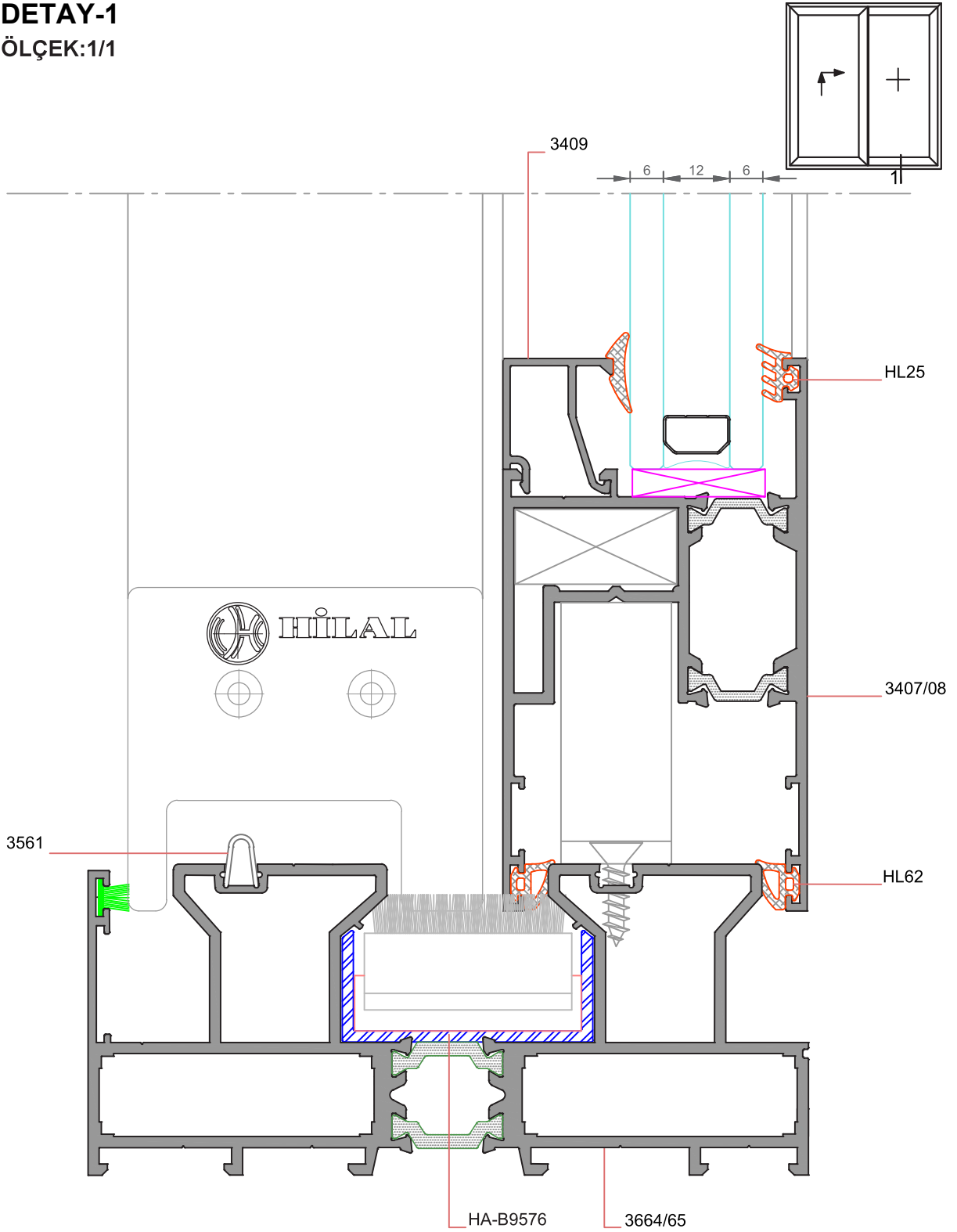
DETAY-5

ÖLÇEK: 1/1



DETAY-1

ÖLÇEK:1/1



★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

DETAY-1
ÖLÇEK:1/1

HL25

3409

HL62

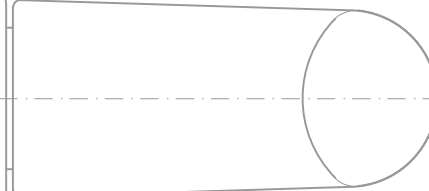
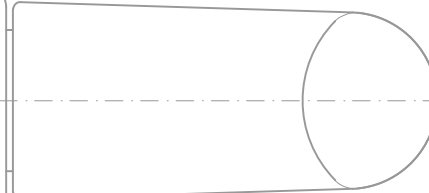
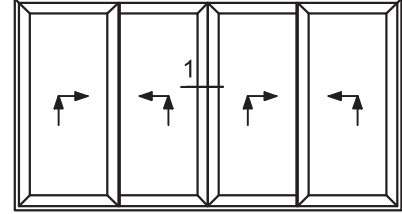
3407/08

4613/4629

3407/08

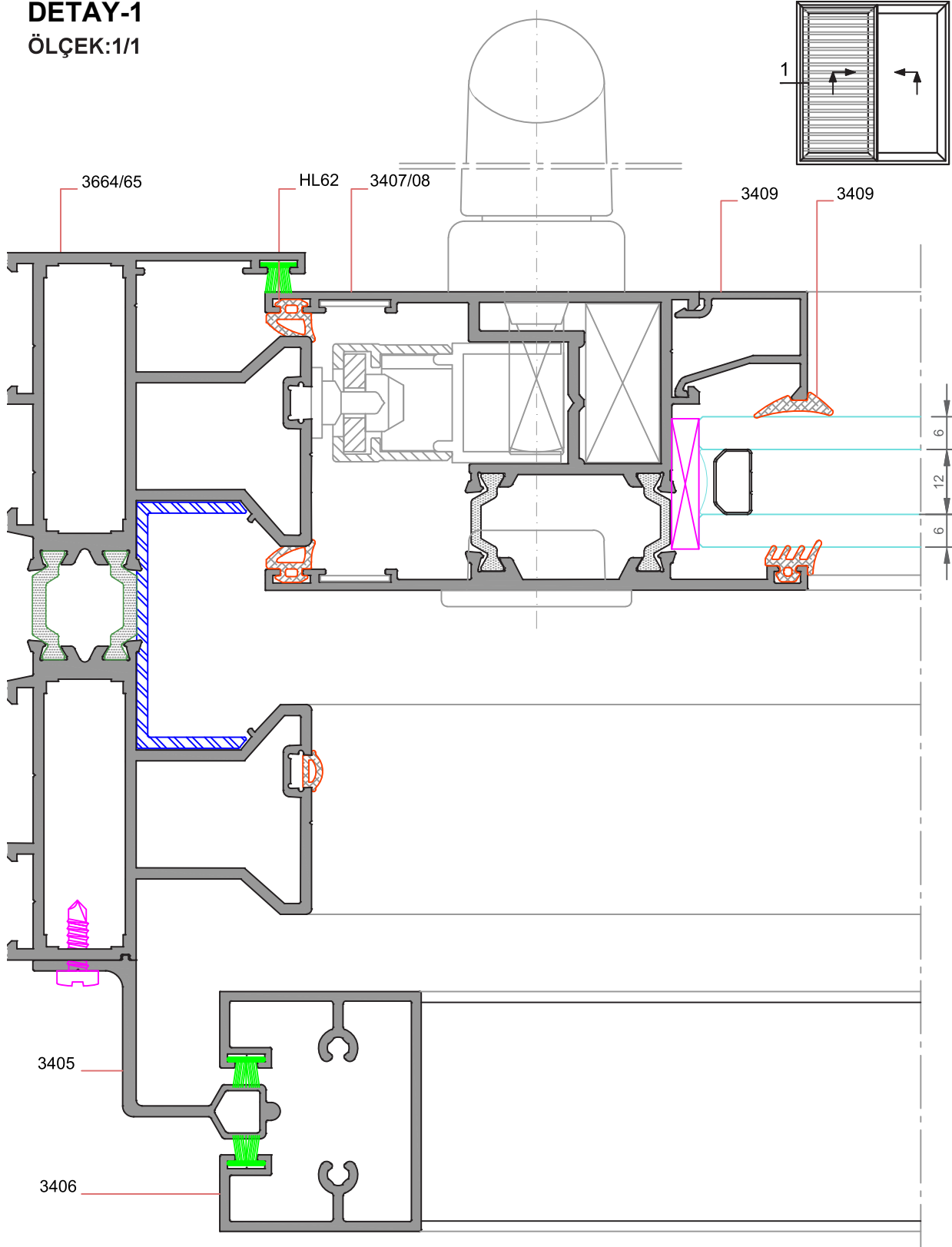
3409

HL25



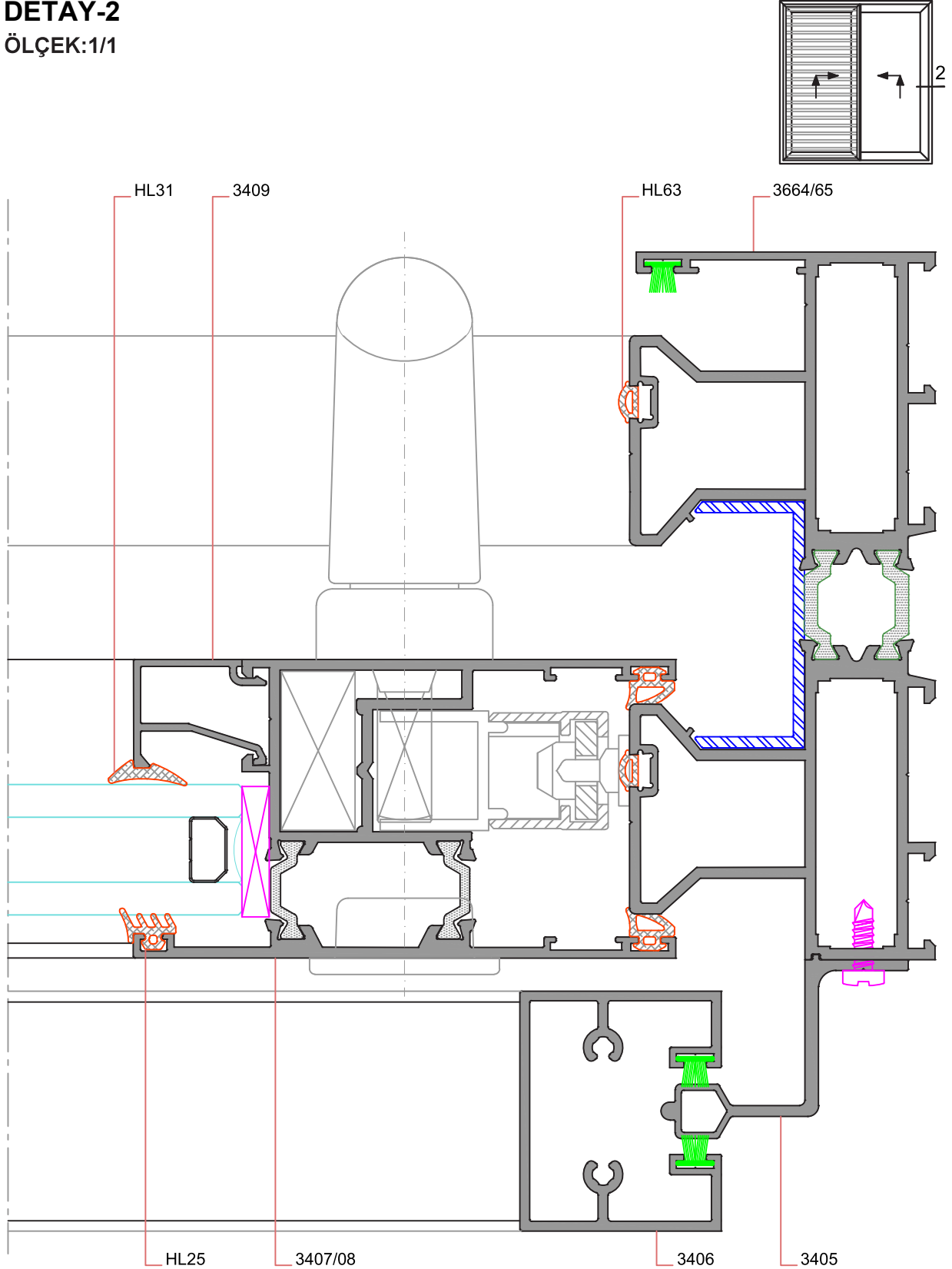
DETAY-1
ÖLÇEK:1/1

★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.



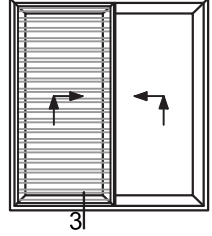
DETAY-2

ÖLÇEK:1/1

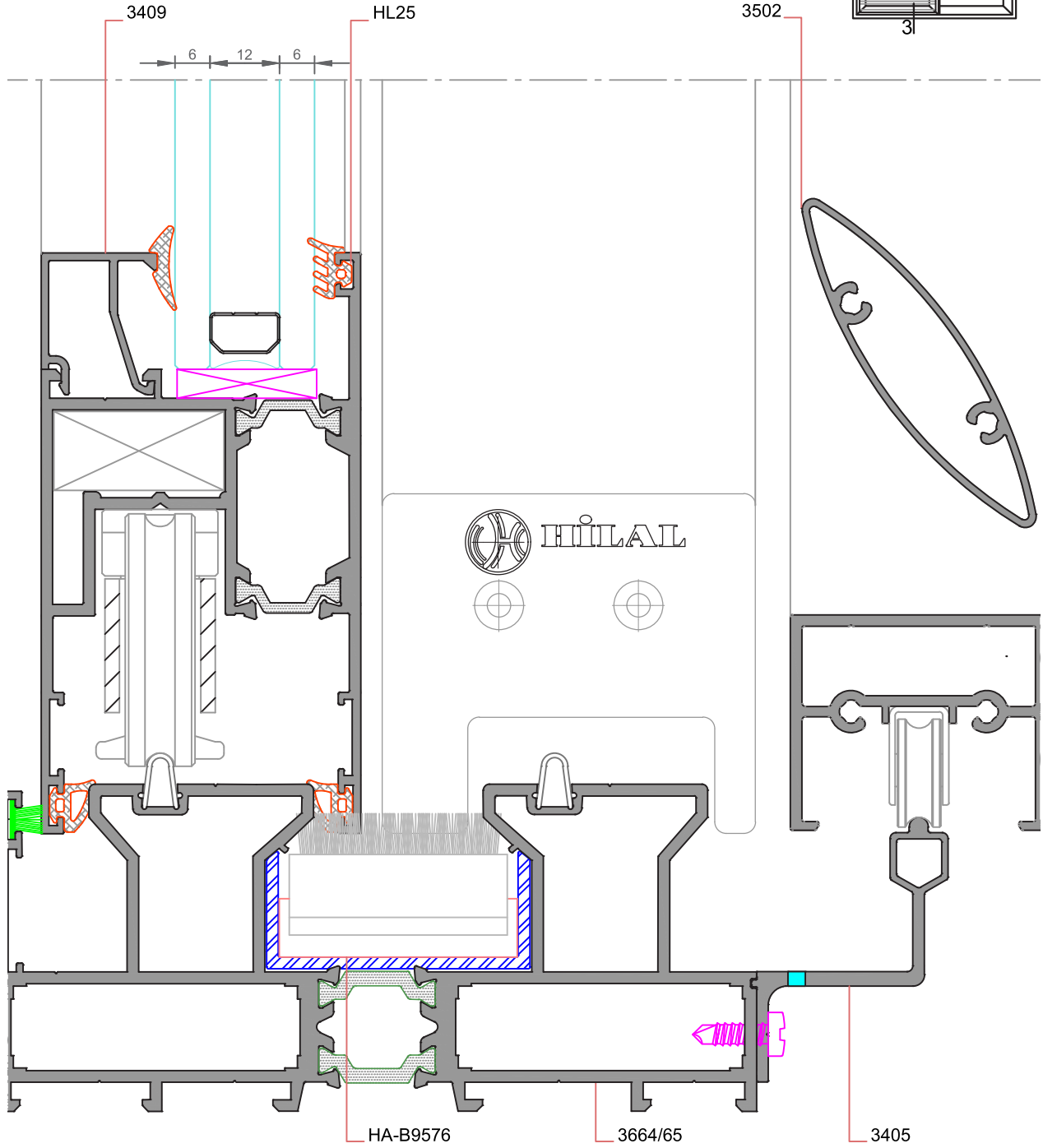


DETAY-3

ÖLÇEK:1/1

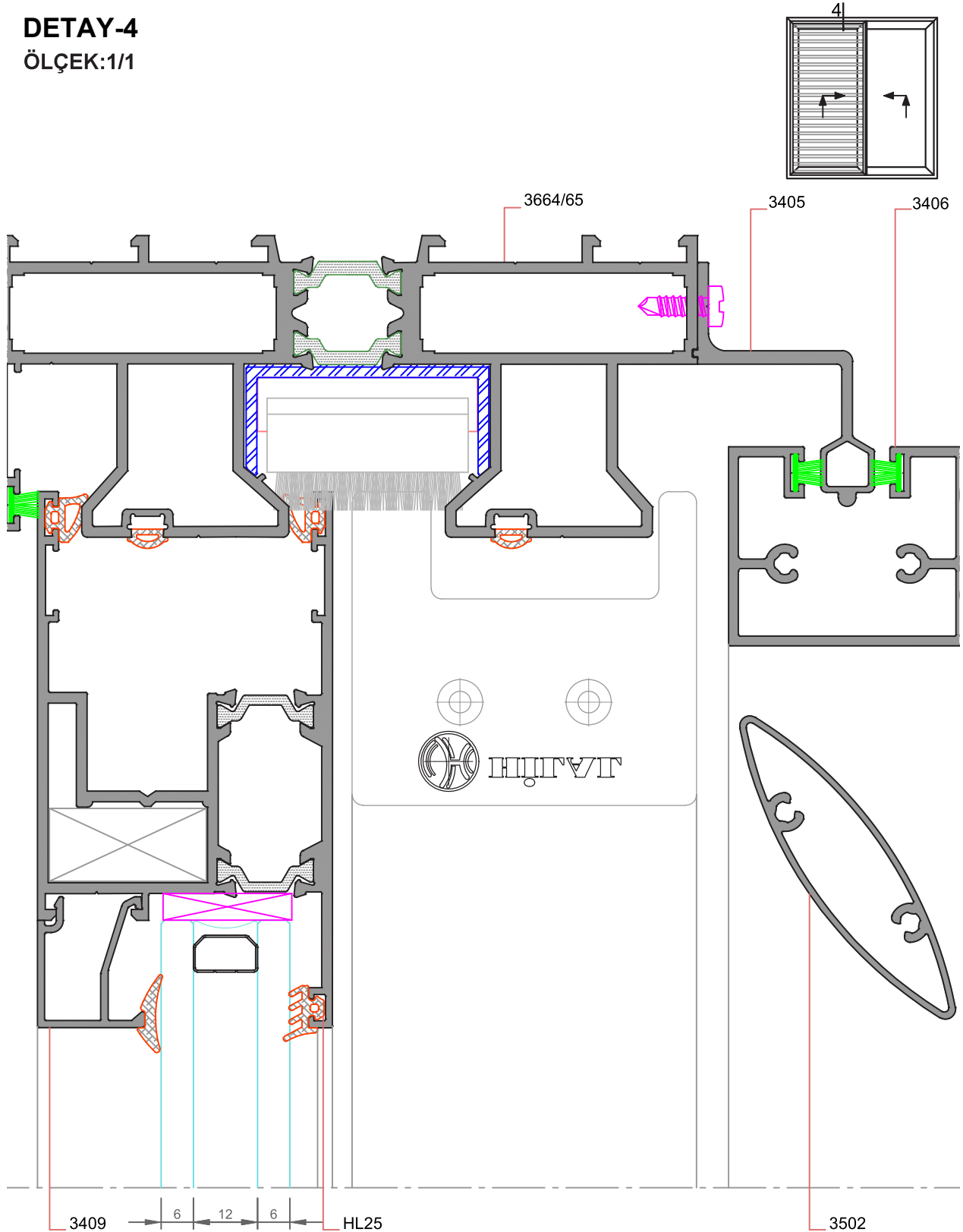


★ Yandaki profil ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.



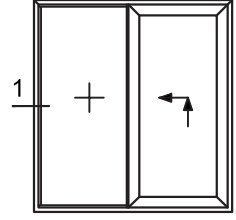
DETAY-4

ÖLÇEK:1/1

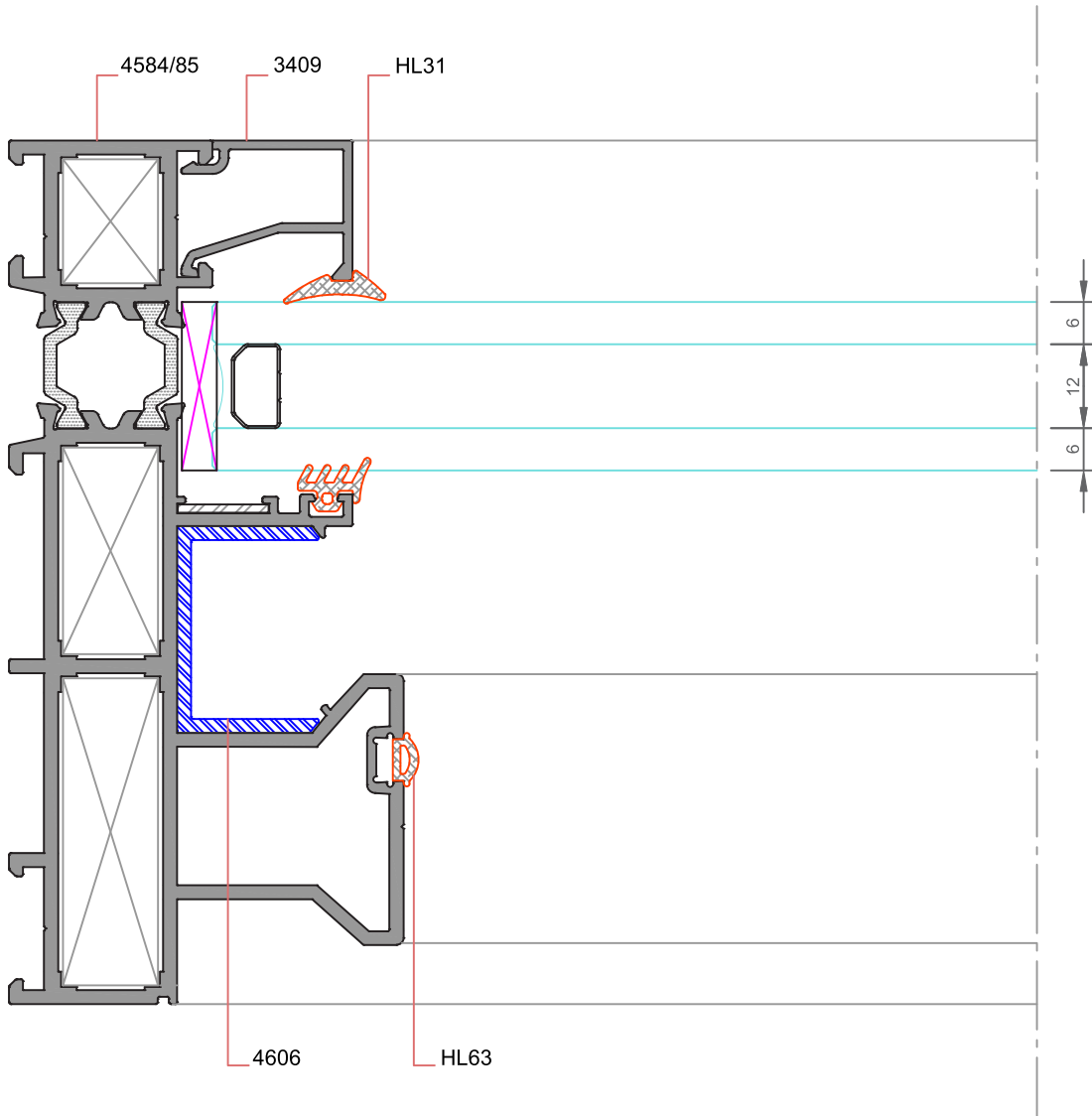


DETAY-1

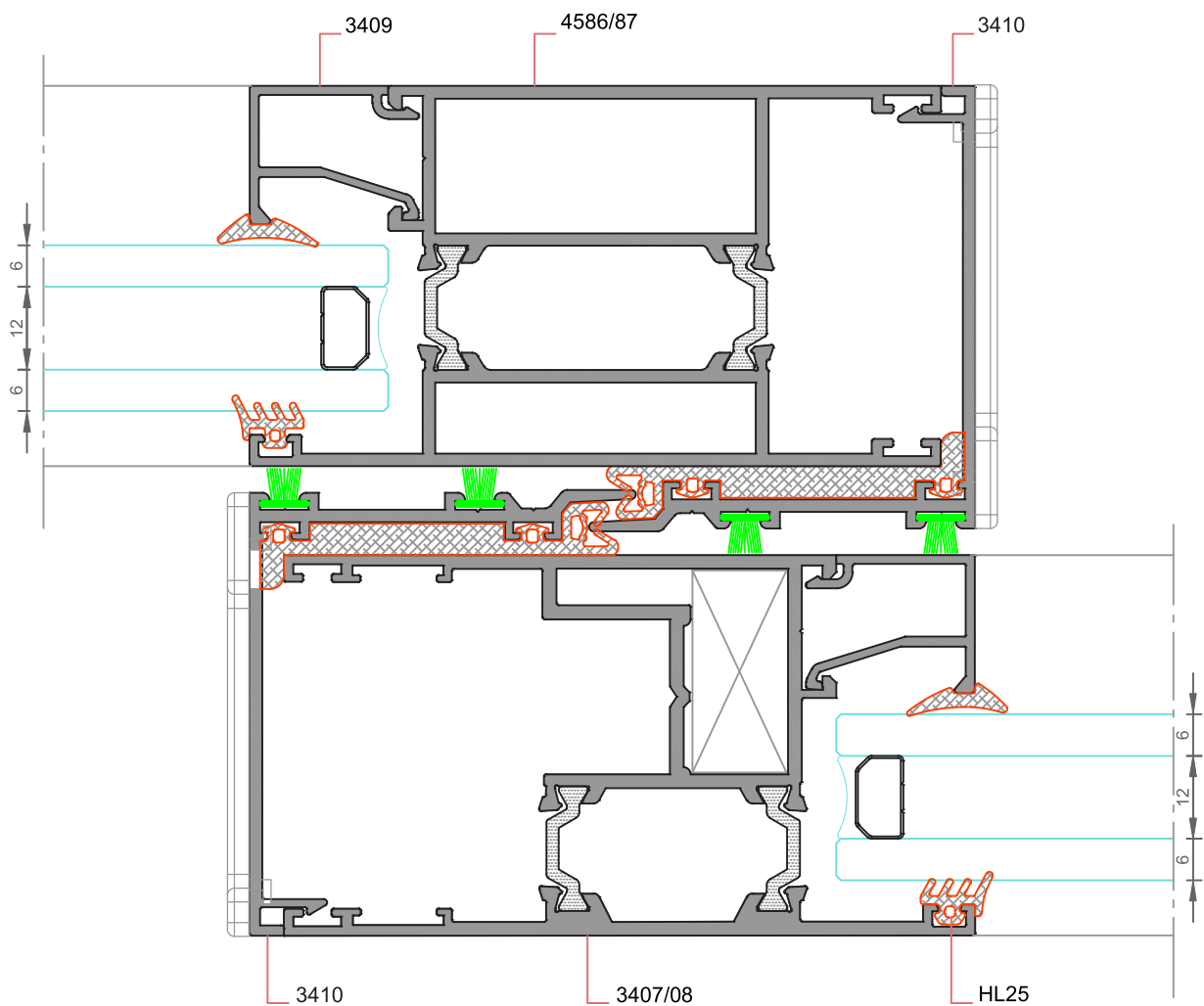
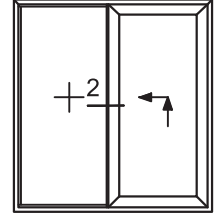
ÖLÇEK:1/1



★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

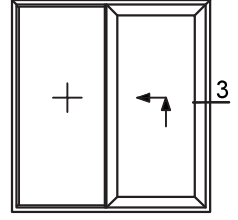


DETAY-2
ÖLÇEK:1/1

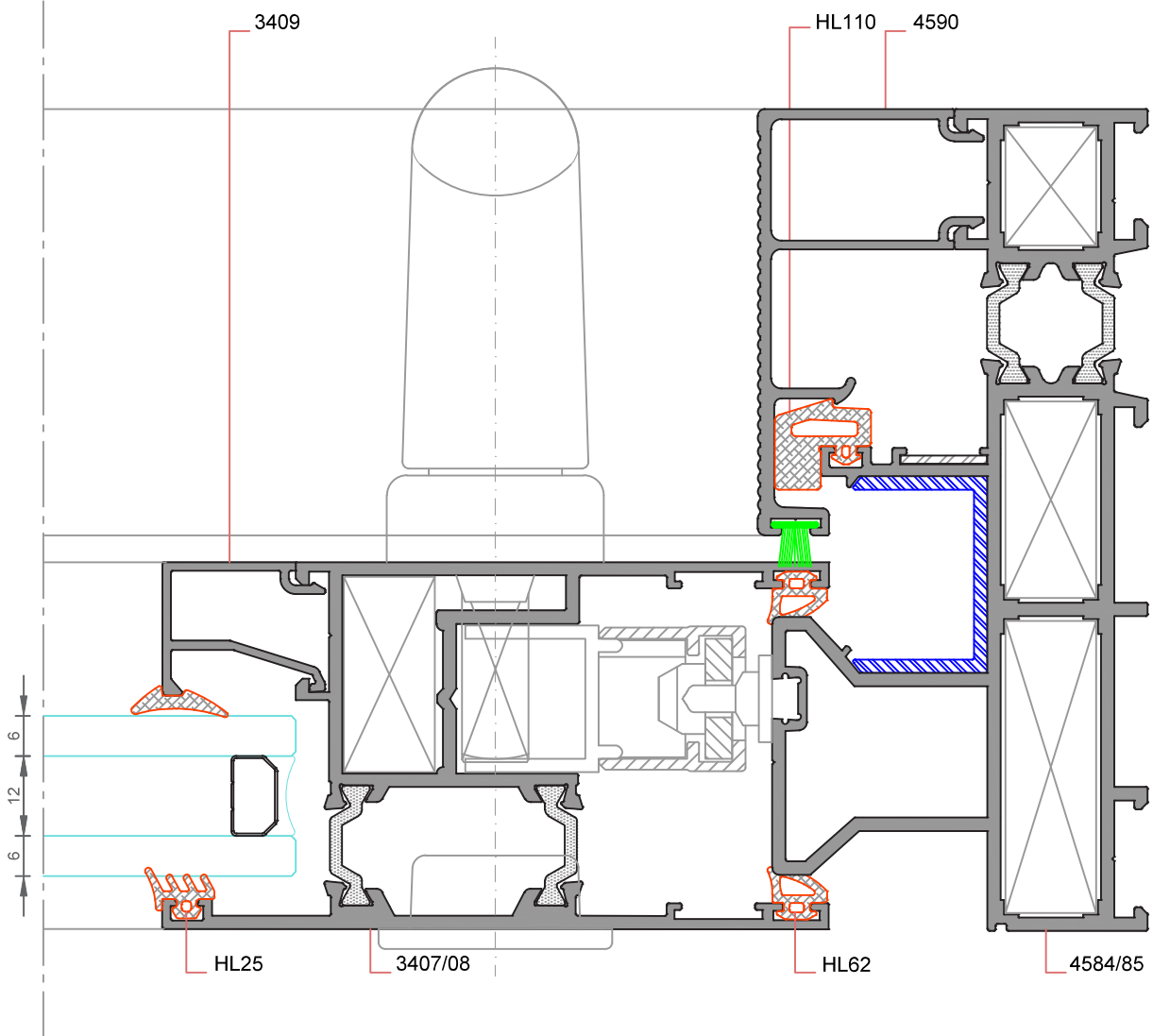


DETAY-3

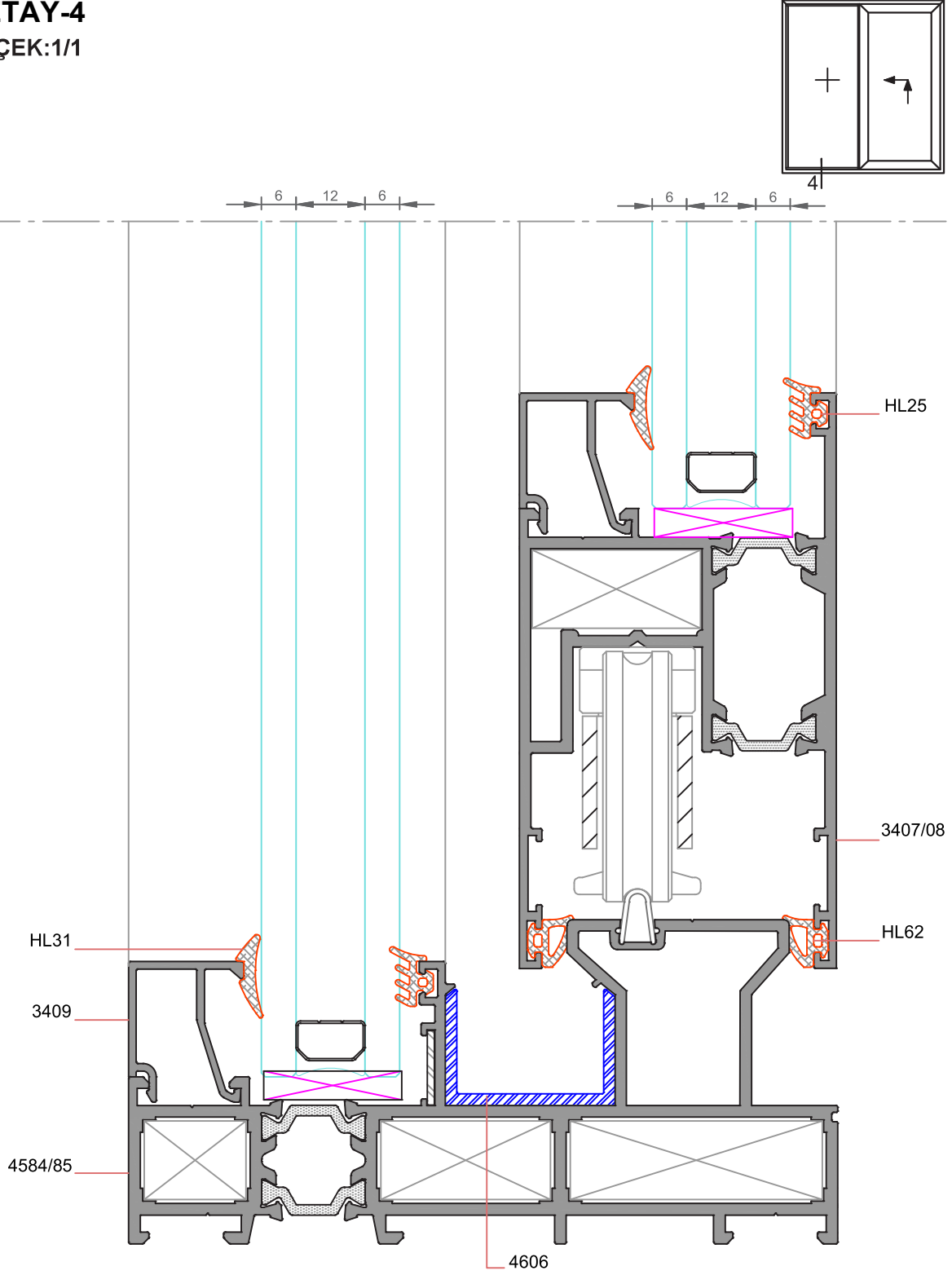
ÖLÇEK:1/1



★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

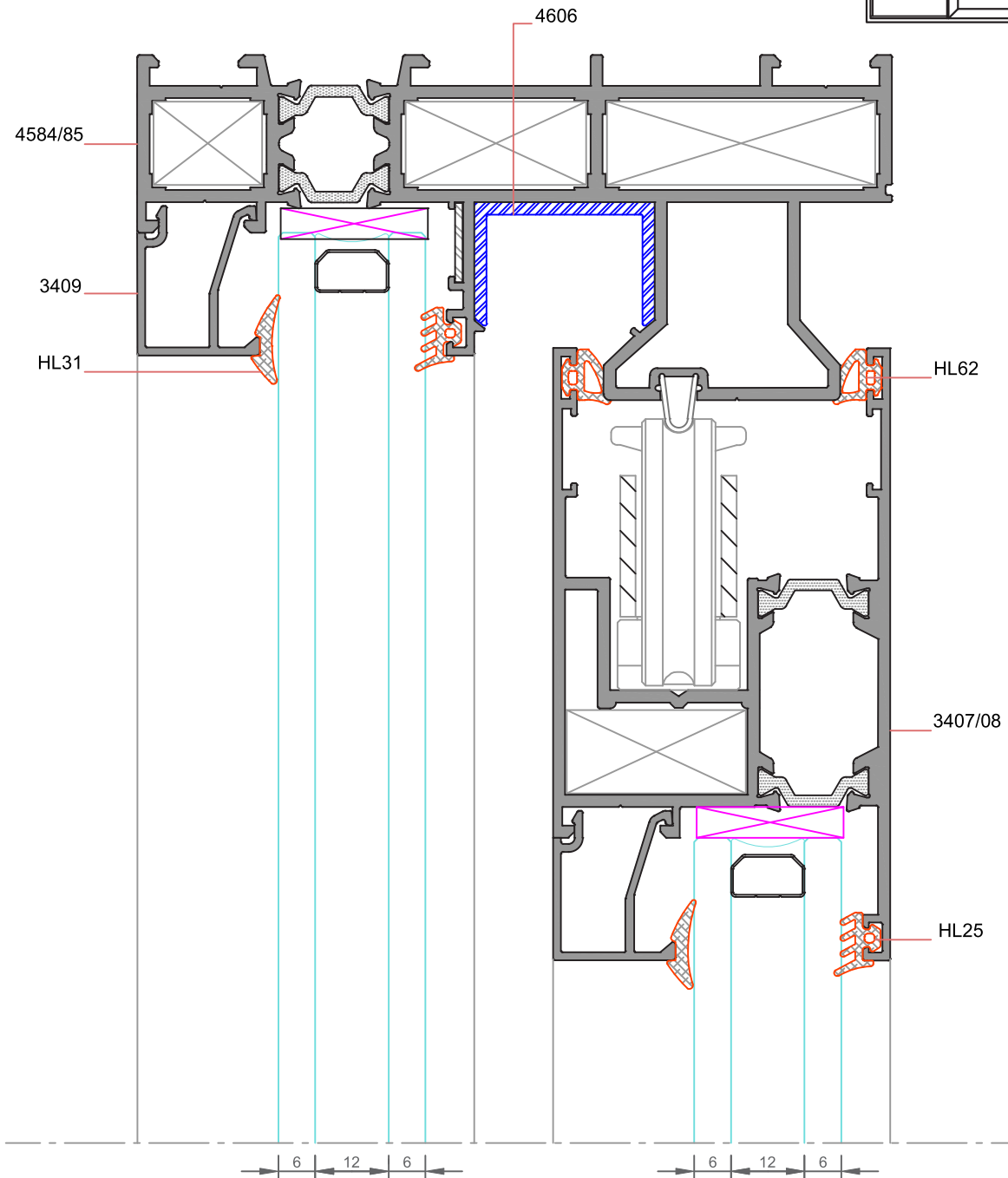
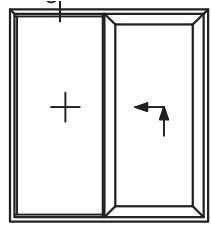


DETAY-4
ÖLÇEK:1/1



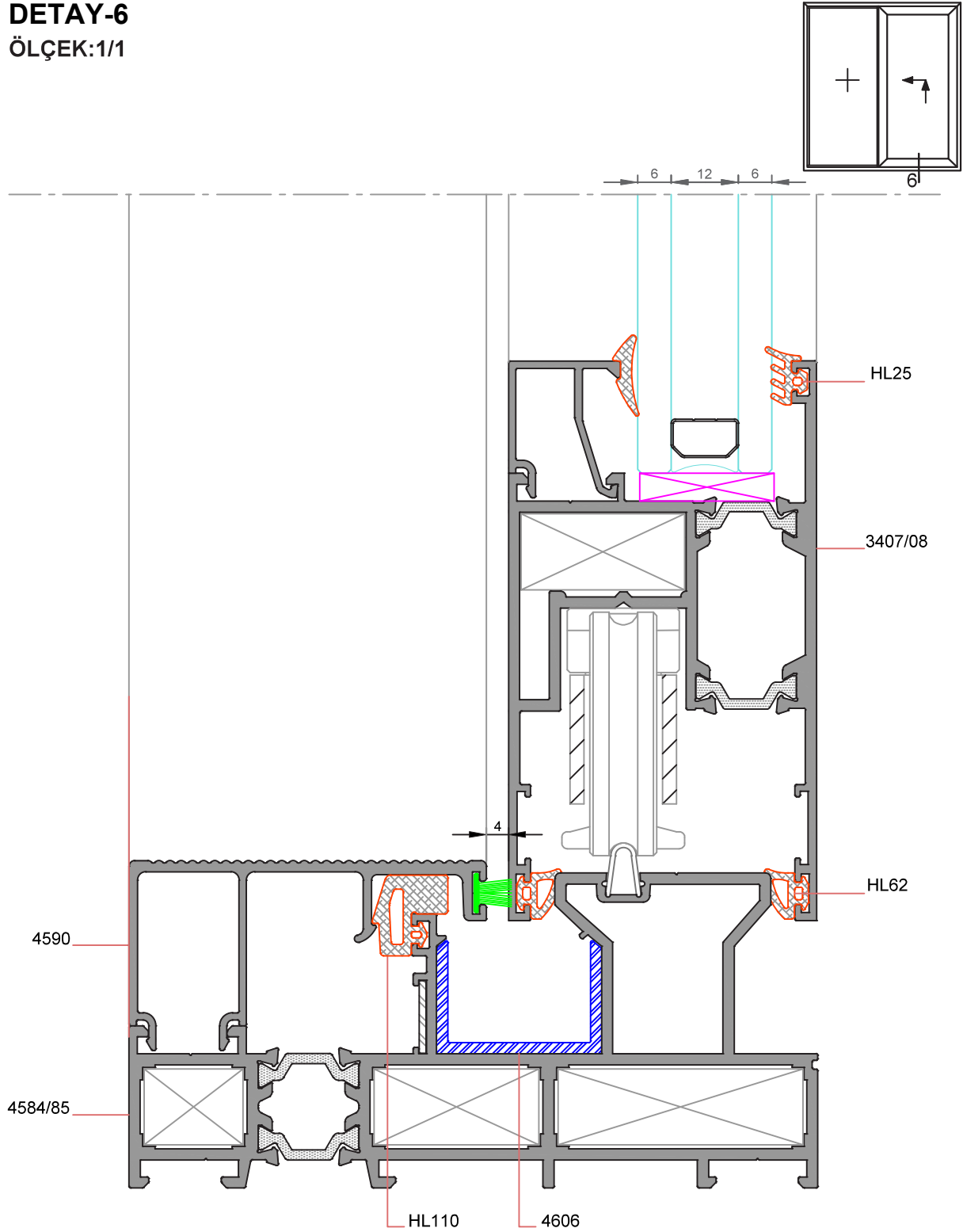
DETAY-5

ÖLÇEK:1/1



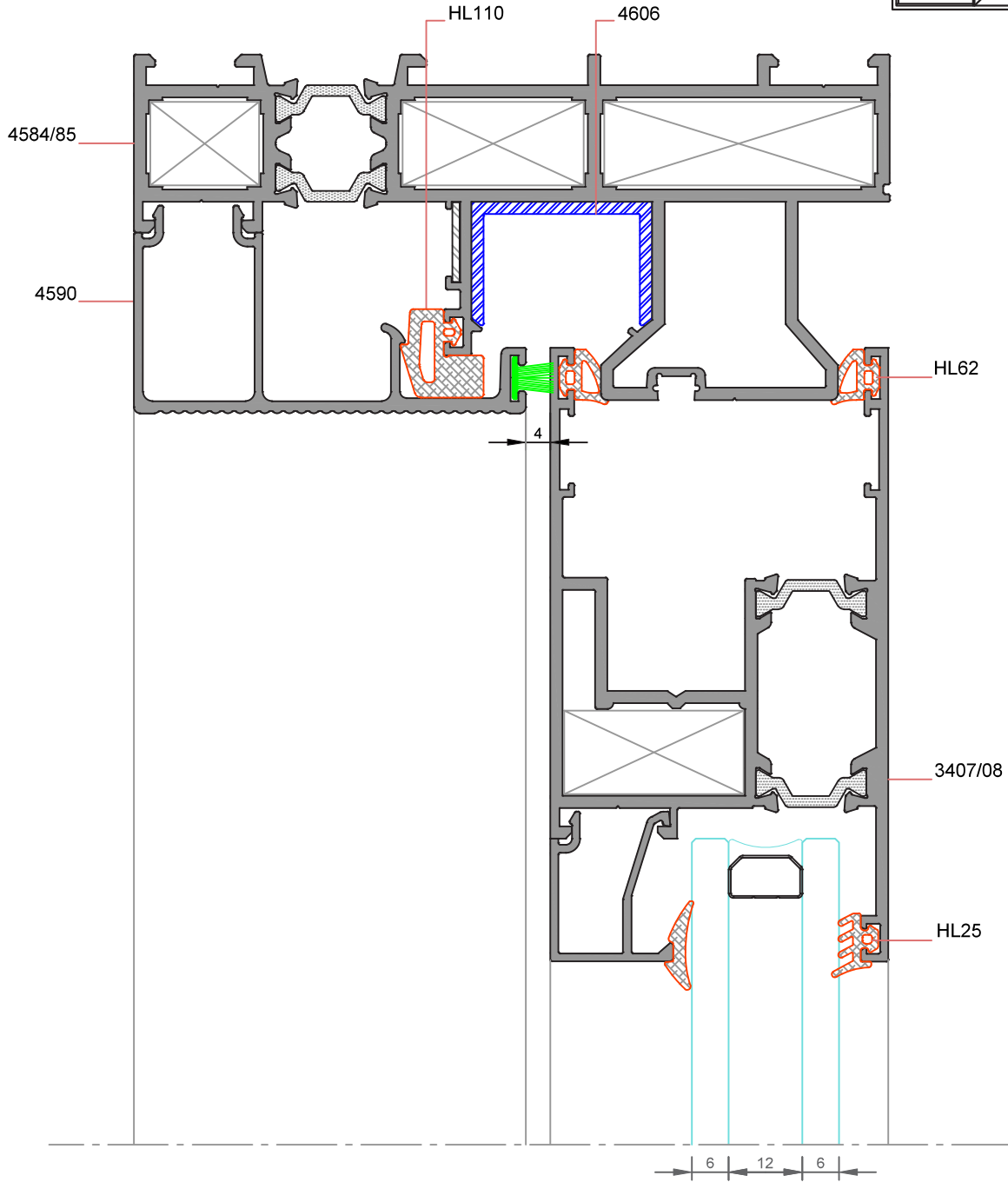
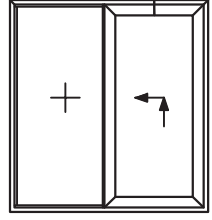
★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

DETAY-6
ÖLÇEK:1/1



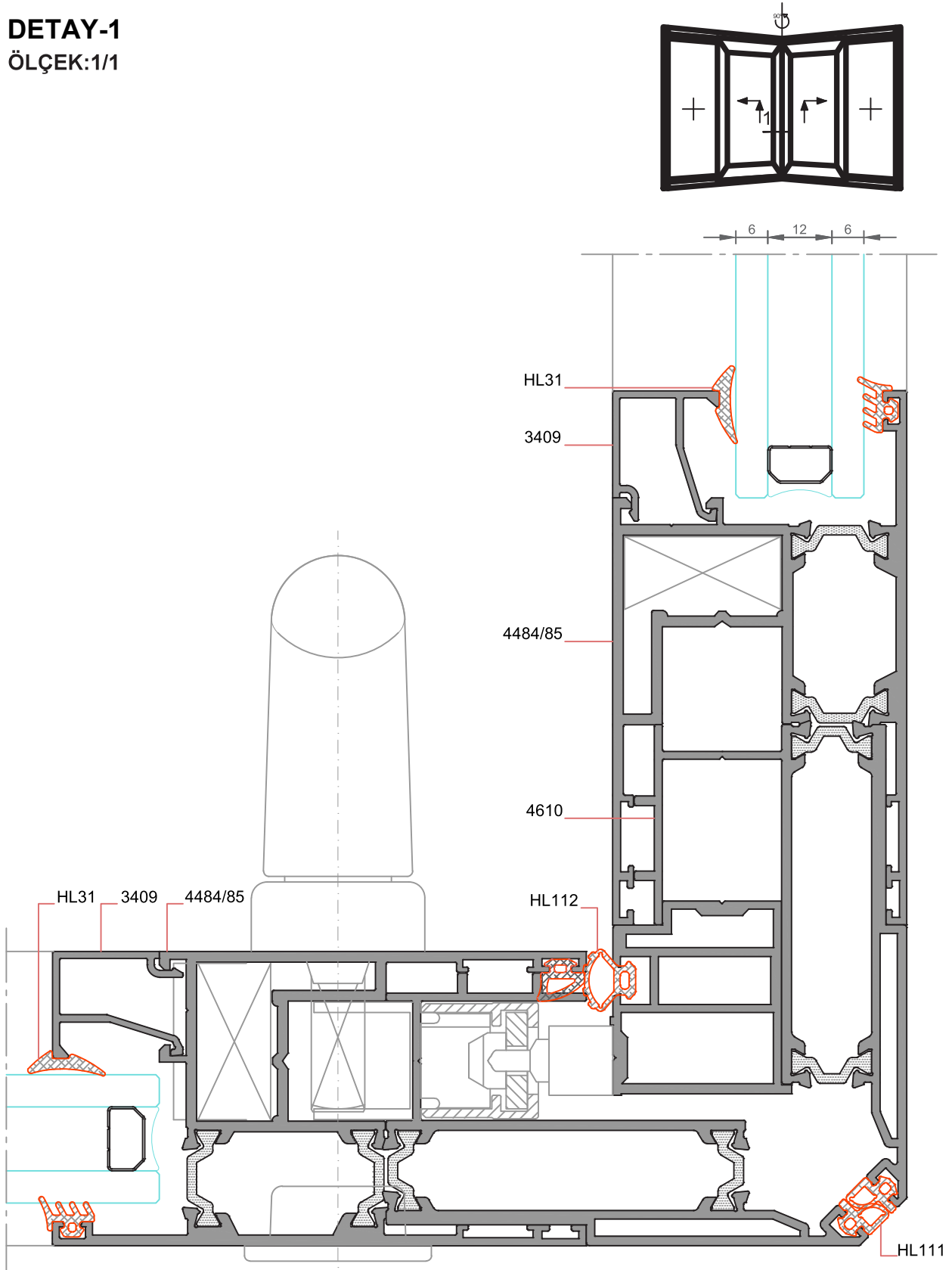
DETAY-7

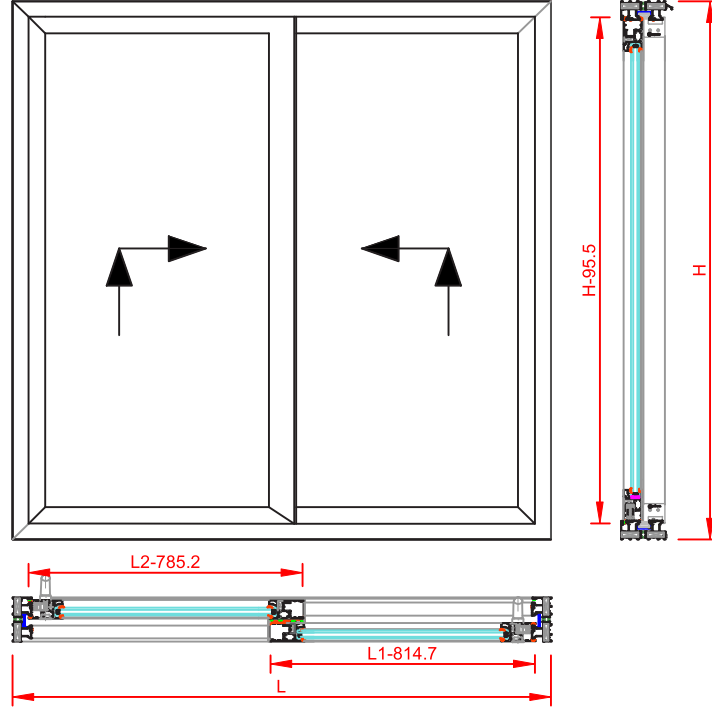
ÖLÇEK:1/1



★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

DETAY-1
ÖLÇEK:1/1





★ Yandaki profil birim ağırlıkları, bilgisayarda hesaplanmış teorik ağırlıklardır.

Profilin Adı	Profil Kesiti	Profil Kodu	Adet	Kesim Ölçüsü(mm)
Kasa Profili		3664/3665	2	L
			2	H
Kanat Profili		3407/3408	2	L1-814.7
			2	L2-785.2
			2	H-95.5
Cam Çıtası Profili	Kanat		2	
Not: Cam Çıtası profillerinin ölçüleri preslenmiş kasa veya kanat üzerinden belirlenecektir.			2	
Cam Çıtası Profili	Kasa Orta Kayıt		2	
Not: Cam Çıtası profillerinin ölçüleri preslenmiş kasa veya kanat üzerinden belirlenecektir.			2	

Bağlantı Elemanları	Kod	Birim	Miktar
Köşe Takoğu (Kasa)	K3567 305	Adet	4
Köşe Takoğu (Kanat)	K2892 415	Adet	4
Köşe Takoğu (Kanat)	K2957 415	Adet	4

Cam (Açılır)	Adet	Cam Detayı	Kesim Ölçüsü (mm)
Dış Cam	2		
İç Cam			

Aksesuar	Adet	Detayı	
Rulman	4		