



ROUTE

SYSTEMS

FR60

CEPHE

SİSTEMLERİ

FACADE SYSTEMS





2006 yılında Ankara – Sincan OSB’de kurulan Almin Alüminyum, 25.000 m²’lik modern tesisinde, yıllık 14.000 ton üretim kapasitesiyle Türkiye’nin önde gelen alüminyum profil üreticilerindendir.

Özel alaşımlı ve hassas toleranslı profil üretiminde uzmanlaşan Almin, mühendislik tecrübesi ve profesyonel kadrosuyla yüksek kaliteyi üretimin her aşamasına yansıtır. Entegre üretim yapımız; kalıp tasarımı, alüminyum ekstrüzyona, elektrostatik toz boyama, eloksal kaplama ve mekanik işleme kadar tüm süreçleri tek çatı altında sunar.

Geniş makine parkurumuz (5”, 2 adet 6” ve 7” pres hatları) ile mimari sistemlerden otomotive, mobilyadan inşaat sanayine, solar enerjiye kadar farklı sektörlere özel, esnek ve sürdürülebilir çözümler sunuyoruz.

TS EN 12020, TS EN 755-1:2016, ISO 9001, ISO 14001, ISO 45001 ve QUALANOD belgelerine sahip üretim sistemimiz; kalite, çevre ve iş güvenliği standartlarına tam uyum sağlar.

Almin USA LLC ile ABD pazarında aktif rol alırken, Avrupa, Orta Doğu ve Afrika başta olmak üzere birçok ülkeye ihracat yapmaktayız. Küresel pazarda büyümeyi sürdürüyor, projelere değer katan yenilikçi çözümler geliştiriyoruz.



Almin Alüminyum olarak, 40 yılı aşkın mühendislik birikimimizi ve üretim tecrübemizi, modern mimarinin gerektirdiği estetik anlayış ve teknik uzmanlıkla buluşturduk. Bu yaklaşımın bir sonucu olarak geliştirdiğimiz ROUTE Mimari Sistemler, sektöre çağdaş, çevreci ve yüksek performanslı çözümler sunan yenilikçi bir sistemdir.

ROUTE, yalnızca bir sistem değil; aynı zamanda yeni nesil yapı projeleri için tasarlanmış bütüncül bir mimari vizyondur. Estetik ve işlevselliği bir arada sunarak, kullanıcı beklentileri ile teknik gereklilikleri dengeli biçimde karşılar.

Avrupa normlarına uygun aksesuarlar ve yüksek performans kriterleriyle öne çıkan ROUTE, zarif tasarımı ve mühendislik odaklı detaylarıyla projelere değer katar.

Sürdürülebilirliği, güvenilirliği ve estetik çizgileriyle ROUTE, mimari projelerde fark yaratmak isteyen profesyoneller için güçlü bir tercihtir. Almin Alüminyum güvencesiyle geliştirilen bu sistem, modern yapıların yeni standardıdır.



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GENEL BİLGİLER /

GENERAL INFORMATION



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TEKNİK ÖZELLİKLER

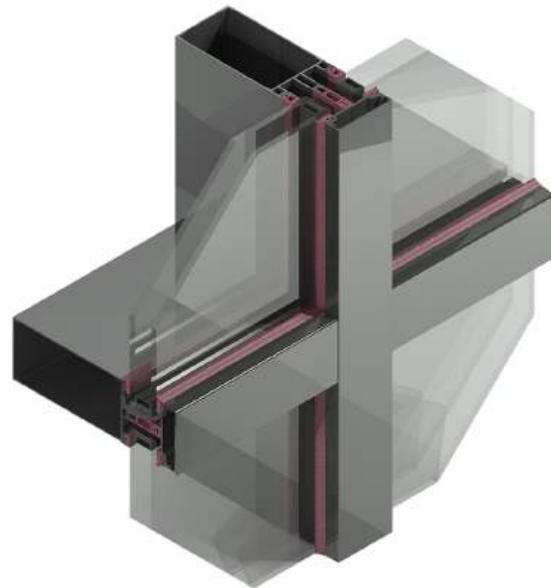
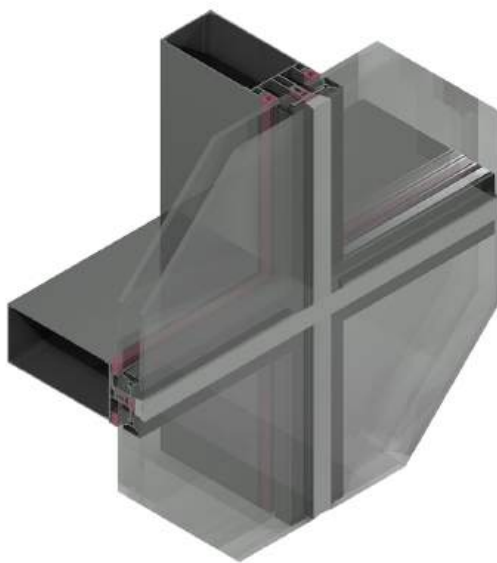
TECHNICAL PROPERTIES

PROFİL GENİŞLİKLERİ / PROFILE WIDTHS :	60 mm
DİKME DERİNLİKLERİ / MULLION DEPTHS :	50,60,80,100,120,130,140...200,220
KAYIT DERİNLİKLERİ / TRANSOM DEPTHS :	56,66,86,106,126,136,146...206,226
PROFİL ET KALINLIĞI / PROFILE WALL THICKNESS :	1,6mm 2 - 8 mm
MAX. CAM KALINLIĞI / MAX. GLASS THICKNESS :	50 mm
ISI BARIYERLERİ / INSULATION BARS :	10 - 40 mm
ISI YALITIM DEĞERİ (Uf) / THERMAL INSULATION VALUE (Uf) :	1,32 W/m ² K - 1,98 W/m ² K

KULLANIM SEÇENEKLERİ

APPLICATION ALTERNATIVES

KAPAKLI CEPHE / CAPPED CURTAIN WALL :	•
SİLİKON DERZLİ CAM CEPHE / FOUR SIDED SILICONE CURTAIN WALL :	•
YARI KAPAKLI CEPHE / TWO SIDED CURTAIN WALL :	•
DIŞA TERS VASİSTAS G.K. / TOP HUNG OUTWARD OPENING HIDDEN VENT :	•
DIŞA PARALEL AÇILIM G.K. / PARALLEL OUTWARD OPENING HIDDEN VENT :	•



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ÜRÜN KONSEPTİ / PRODUCT CONCEPT

FR60 “60mm”, kapalı, yarı kapalı, kaset silikon ve cam cephe seçeneklerini tek bir sistemde birleştiren yüksek performanslı bir giydirme cephe sistemidir.

ENERJİ TASARRUFU

Çevreye duyarlılık ve enerji tasarrufu konuları gün geçtikçe önem kazanmakta olduğundan FR60'de ısı yalıtım özellikleri üst düzeyde tutuldu. Alüminyum, yapısı gereği soğuk bir materyal olmasına rağmen gelişen malzeme çeşitliliği, dizayn yöntemleri ve teknolojilerle artık oldukça yalıtkan bir yapı haline dönüştürülebilmektedir.

FR60 tamamen günümüz ihtiyaçlarına uygun şekilde performans odaklı olarak tasarlandı. Yüksek termal ve hava-su sızdırmazlık performanslarının yanı sıra, geniş kullanım seçenekleri ve kolay imalat özellikleri de sistemin öne çıkan yanlarındandır.

YENİLİKÇİ TASARIM

Tasarımda dik köşeli ve kalın hatlar yapıyı konvansiyonel bir havaya büründürmektedir. Bu duruma karşı

FR60'de ince profil kesitleri, kıvrımlı yüzey ve eğimli kenarların yanında büyük radyüslü köşeler tercih edildi. Bunlar yapılırken sistemin kullanım kolaylığı ve imalat özelliklerinden de feragat edilmedi.

İMALAT KOLAYLIĞI

Sistemin sahip olduğu aksesuarlar büyük ölçüde tek tipe indirgenerek standartlaşmaya önem verildi. Daha az çeşitte ve ortak kullanımda olan bu aksesuarların bir getirisi olarak farklı tiplerdeki ürünleri aynı aksesuarları kullanarak ortaya çıkarmak mümkün hale gelmektedir.

GELİŞTİRİLEBİLİRLİK

FR60, genel sistem konsepti olarak kolaylıkla genişletilebilir yapıdadır. Bu sayede eklenecek yeni çözümlerinin sisteme adaptesi hızlı biçimde yapılabilmektedir.

FR60 “60mm” is a high-performance curtain wall system that combines closed, semi-closed, cassette silicone and glass facade options in a single system.

ENERGY SAVINGS

Subjects of environment sensitivity and energy saving become important day by day. For this reason thermal insulation specifications was become on high level. In spite of Aluminium is a cold material in accordance with its structure, it can be as insulative composite structure by variability of materials, design methods and technologies.

FR60 was designed exactly performance -focused as requirements of present day. Important sides of FR60 are high performances of thermal and air-water tightness, variously usage options, easy manufacturing specifications.

INNOVATIVE DESIGN

Structure is look like conventional with vertical corner and thick lines in design. Conversely the corners with huge radius preferred with thin profile sections, curly surface and pitched edges. But ease of use and manufacturing specifications did not abandoned.

EASE OF MANUFACTURING

Accessories of FR60 was mostly standardized. These accessories used generally common with each other. By this method, different types of products is manufactured with the same accessories.

IMPROVABILITY

FR60 has the developable system concept as general. In this way adaptation of new system solutions can be done quickly.



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PROFİL LİSTESİ /

PROFILE LIST



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Profil Listesi / List of Profile

No	Profil Şekli/ Profile	Profil Kodu Profile Code	Kalıp Kodu / Code	Profil Adı / Profile Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia	
						J _x (cm)	J _y (cm)
1		FR60-50M	C-1614	FR60-50M Dikme Profil	1.477 kg/m	20.97	22.79
2		FR60-60M	C-1615	FR60-60M Dikme Profil	1.593 kg/m	32.3	26.34
3		FR60-80M	C-1616	FR60-80M Dikme Profil	1.766 kg/m	61.9	31.79
4		FR60-100M	C-1617	FR60-100M Dikme Profil	1.939 kg/m	104.02	37.25
5		FR60-120M	C-1618	FR60-120M Dikme Profil	2.152 kg/m	165.15	43.52
6		FR60-130M	C-2017	FR60-130M Dikme Profil	2.564 kg/m	224.15	53.59
7		FR60-140M-1.6	C-2018	FR60-140M-1.6 Dikme Profil	2.325 kg/m	240.92	48.97
8		FR60-140M-3.0	C-1619	FR60-140M-3.0 Dikme Profil	2.868 kg/m	304.23	58.64
9		FR60-150M	C-2019	FR60-150M Dikme Profil	2.97 kg/m	357.01	61.87
10		FR60-160M-2.0	C-2020	FR60-160M-2.0 Dikme Profil	2.98 kg/m	386.3	65.06
11		FR60-160M-4.0	C-2021	FR60-160M-4.0 Dikme Profil	3.19 kg/m	444.92	65.82
12		FR60-180M-2.0	C-2022	FR60-180M-2.0 Dikme Profil	3.213 kg/m	517.08	72.16
13		FR60-180M-5.0	C-2023	FR60-180M-5.0 Dikme Profil	3.527 kg/m	623.86	73.37





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2		FR60-60M	C-1615	FR60-60M Dikme Profil	1.593 kg/m	32.3	26.34
3		FR60-80M	C-1616	FR60-80M Dikme Profil	1.766 kg/m	61.9	31.79
4		FR60-100M	C-1617	FR60-100M Dikme Profil	1.939 kg/m	104.02	37.25
5		FR60-120M	C-1618	FR60-120M Dikme Profil	2.152 kg/m	165.15	43.52
6		FR60-130M	C-2017	FR60-130M Dikme Profil	2.564 kg/m	224.15	53.59
7		FR60-140M-1.6	C-2018	FR60-140M-1.6 Dikme Profil	2.325 kg/m	240.92	48.97
8		FR60-140M-3.0	C-1619	FR60-140M-3.0 Dikme Profil	2.868 kg/m	304.23	58.64
9		FR60-150M	C-2019	FR60-150M Dikme Profil	2.97 kg/m	357.01	61.87
10		FR60-160M-2.0	C-2020	FR60-160M-2.0 Dikme Profil	2.98 kg/m	386.3	65.06
11		FR60-160M-4.0	C-2021	FR60-160M-4.0 Dikme Profil	3.19 kg/m	444.92	65.82
12		FR60-180M-2.0	C-2022	FR60-180M-2.0 Dikme Profil	3.213 kg/m	517.08	72.16
13		FR60-180M-5.0	C-2023	FR60-180M-5.0 Dikme Profil	3.527 kg/m	623.86	73.37





No	Profil Şekli/ Profile	Profil Kodu Profile Code	Kalıp Kodu / Code	Profil Adı / Profile Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia	
						J _x (cm)	J _y (cm)
27		FR60-186T	C-2026	FR60-186T Yatay Profil	2.94kg/m	494.25	71.17
28		FR60-206T	C-2505	FR60-206T Yatay Profil	3.668 kg/m	697.6	91.32
29		FR60-226T	C-2506	FR60-226T Yatay Profil	3.938 kg/m	883.14	99.6
30		FR60-001	C-016	FR50-Kapak Bağlantı Profili	0.53 kg/m	-	-
31		FR60-002	C-017	FR50-Kapak Profili 16mm	0.405 kg/m	-	-
32		FR60-003	C-018	FR50-Kapak Profili 15mm	0.391 kg/m	-	-
33		FR60-004	C-019	FR50-Kapak Profili 50mm	0.867 kg/m	-	-
34		FR60-005	C-020	FR50-Kapak Profili 98.4mm	1.295 kg/m	-	-
35		FR60-006	C-021	FR50-Kapak Profili 148.4 mm	1.702 kg/m	-	-
36		FR60-007	C-022	FR50-Kapak Profili	0.366 kg/m	-	-
37		FR60-008	C-023	FR50-Kapak Profili 198.4 mm	2.6 kg/m	-	-
38		FR-001	CO-001	Gaga Profili	0.280 kg/m	-	-
39		FR-002	CO-002	Cam Klips Yuva Profili	0.335 kg/m	-	-





No	Profil Şekli/ Profile	Profil Kodu Profile Code	Kalıp Kodu / Code	Profil Adı / Profile Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia	
						J _x (cm)	J _y (cm)
40		FR-003	CO-003	Cam Klips Yuva Profili	0.321kg/m	-	-
41		FR-004	CO-004	Tek Cam Çıta Profili 45°	0.113 kg/m	-	-
42		FR-005	CO-005	Tek Cam Çıta Profili 28°	0.115 kg/m	-	-
43		FR-006	CO-006	Tek Cam Çıta Profili 8°	0.097 kg/m	-	-
44		FR-007	CO-007	Tek Cam Çıta Profili 14 mm	0.145 kg/m	-	-
45		FR-008	CO-008	Tek Cam Çıta Profili 18 mm	0.176 kg/m	-	-
46		FR-009	CO-009	Tek Cam Çıta Profili 22 mm	0.211kg/m	-	-
47		FR-010	CO-010.1 CO-010.2	Kaset Profili 69.3 mm	1.072 kg/m	17.39	16.44
48		FR-028	CO-011 A02.2023	Kasa Profili 81.7 mm	1.019 kg/m	17.04	18.13
49		FR-012	CO-010.1 CO-012	Kaset Profili 91.2 mm	1.243 kg/m	34.98	24.17
50		FR-029	CO-013 A02.2023	Kasa Profili 103.6 mm	1.024 kg/m	33.7	24.6
51		FR-014	CO-14	Kaset Profil	0.891 kg/m	-	-
52		FR-015	CO-015	Kompozit Profil	0.891 kg/m	-	-





No	Profil Şekli/ Profile	Profil Kodu Profile Code	Kalıp Kodu / Code	Profil Adı / Profile Name	Ağırlık (kg/m) Weight	Atalet Momentleri Moments of Inertia	
						J _x (cm)	J _y (cm)
53		FR-016	CO-016	Spandrel Profil	0.891 kg/m	-	-
54		FR-017	CO-017	Bonding Profil	0.091 kg/m	-	-
55		FR-018	CO-018	Klips Profil	0.204 kg/m	-	-
56		RO-001	SO-001	Tij Profil	0.091 kg/m	-	-
57		FR-019	CO-019	Yük Alıcı Profil	0.178 kg/m	-	-
58		FR60-009	C-024	Yük Alıcı Profil 32.2 mm	0.31 kg/m	-	-
59		FR60-010	C-025	Yük Alıcı Profil 36 mm	0.333 kg/m	-	-
60		FR60-011	C-026	Yük Alıcı Profil 38 mm	0.345 kg/m	-	-
61		FR60-012	C-027	Yük Alıcı Profil 38.8 mm	0.553 kg/m	-	-
62		FR60-013	C-028	Yük Alıcı Profil 44.8 mm	0.624 kg/m	-	-
63		FR60-014	C-029	Yük Alıcı Profil 50.8 mm	0.691 kg/m	-	-
64		FR-020	CO-020	Karşılık Profili	0.343 kg/m	-	-
65		FR-021	CO-021	Çift Klipsli Profil	0.365 kg/m	-	-





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						J _x (cm)	J _y (cm)
66		FR-022	CO-022	Tekli Klipsli Profil	0.245 kg/m	-	-
67		FR-023	CO-023	Çiftli Klipsli Profil	0.405 kg/m	-	-
68		FR-024	CO-024	Tekli Klipsli Profil	0.284 kg/m	-	-
69		FR60-016	C-031	Dilatasyon Profili	4.436 kg/m	-	-
70		FR60-015	C-030	U Bağlantı Profili	1.237 kg/m	-	-
71		FR-025	CO-025	Takoz Profili	2.96 kg/m	-	-
72		FR-026	CO-026	Cam Arası Profili	0.335 kg/m	-	-
73		FR-027	CO-027	Cam Arası Profili	0.083 kg/m	-	-





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DİKME PROFİLLER/

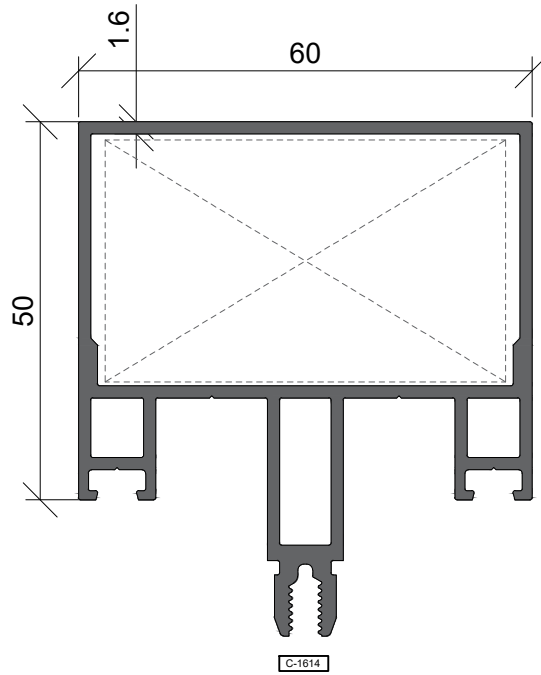
MULLION PROFILES



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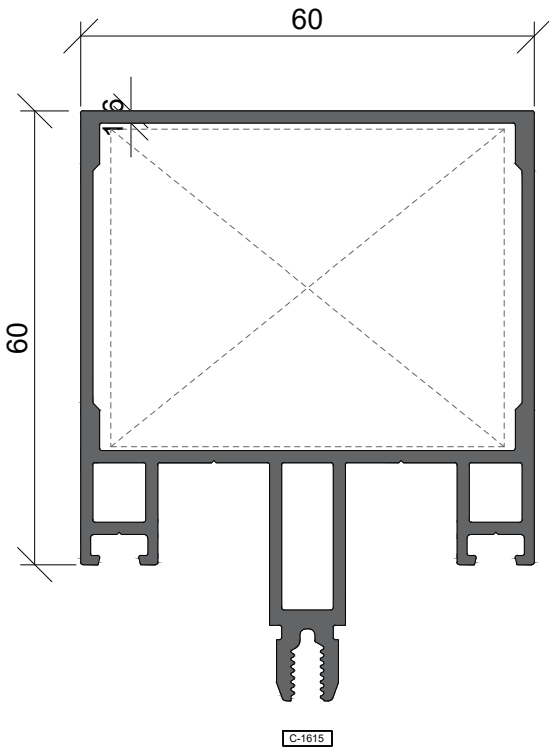
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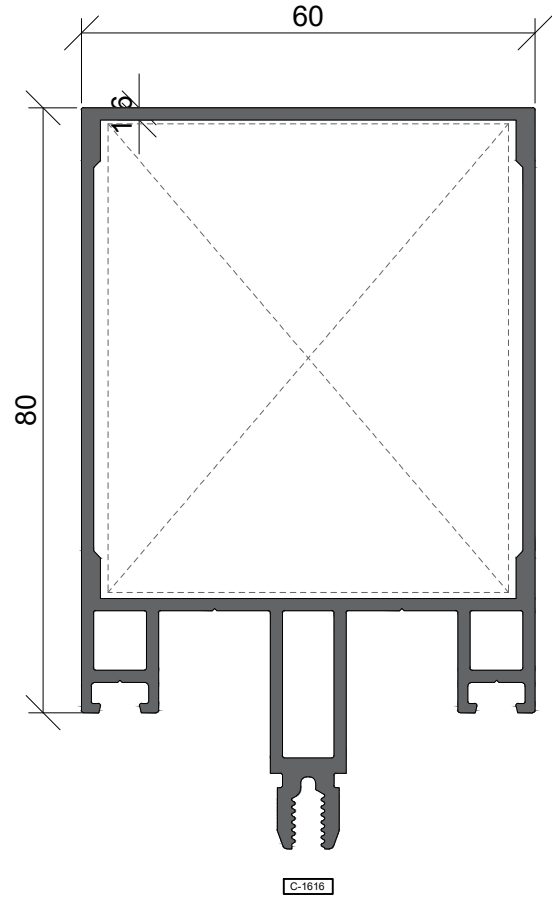
C-1614

Kod	FR60-50M
Ağırlık	1.477 Kg/m
Jx	20.97 cm ⁴
Jy	22.79 cm ⁴
Et Kalınlık	1.6 mm
Dilatasyon Bağlantısı	
53DL32	

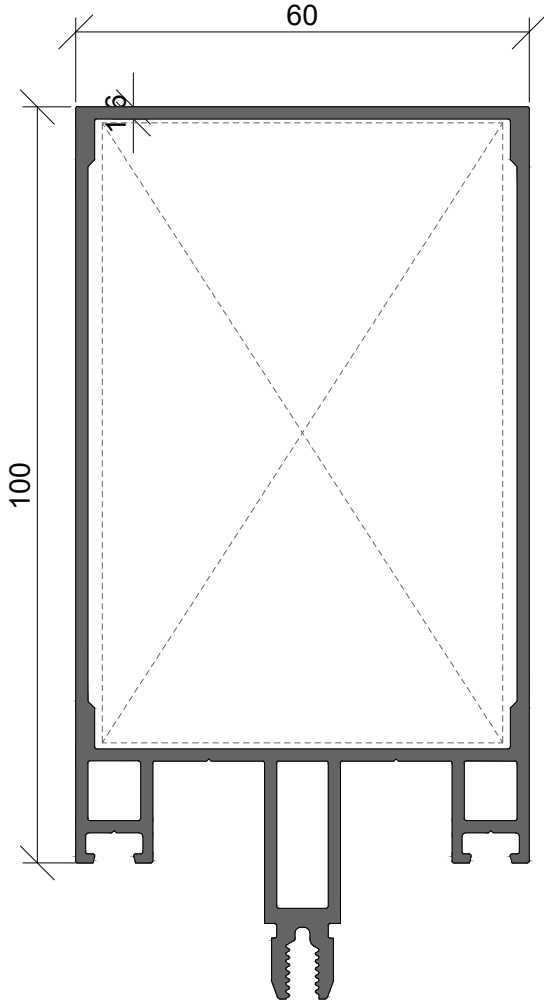




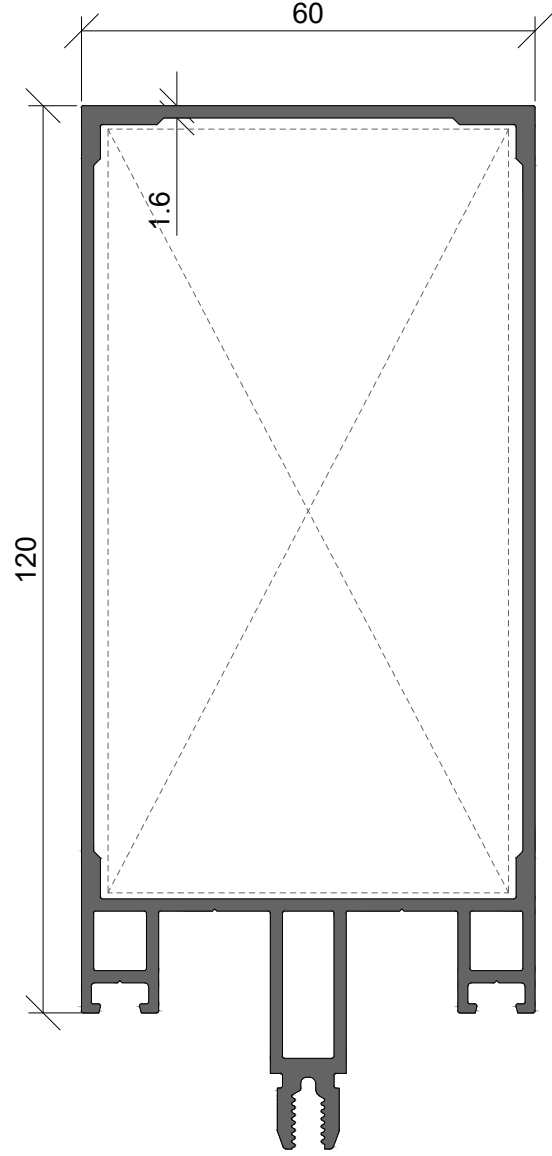
Kod	FR60-60M
Ağırlık	1.593 Kg/m
Jx	32.3 cm ⁴
Jy	26.34 cm ⁴
Et Kalınlık	1.6 mm
Dilatasyon Bağlantısı	
53DL42	



Kod	FR60-80M
Ağırlık	1.766 Kg/m
Jx	61.9 cm ⁴
Jy	31.79 cm ⁴
Et Kalınlık	1.6 mm
Dilatasyon Bağlantısı	
53DL62	



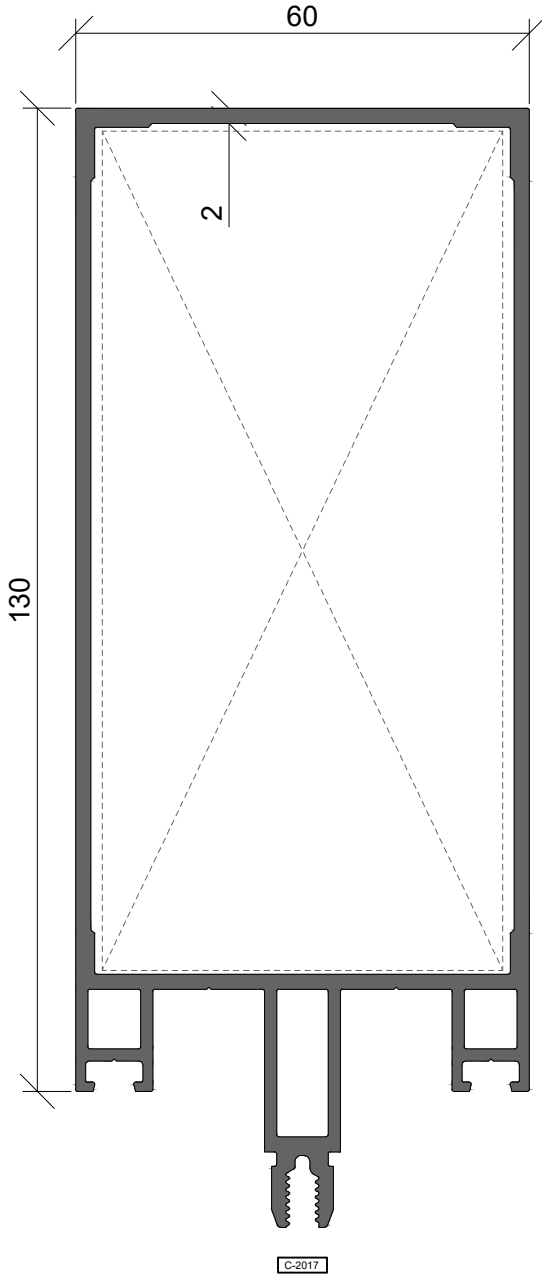
C-1617



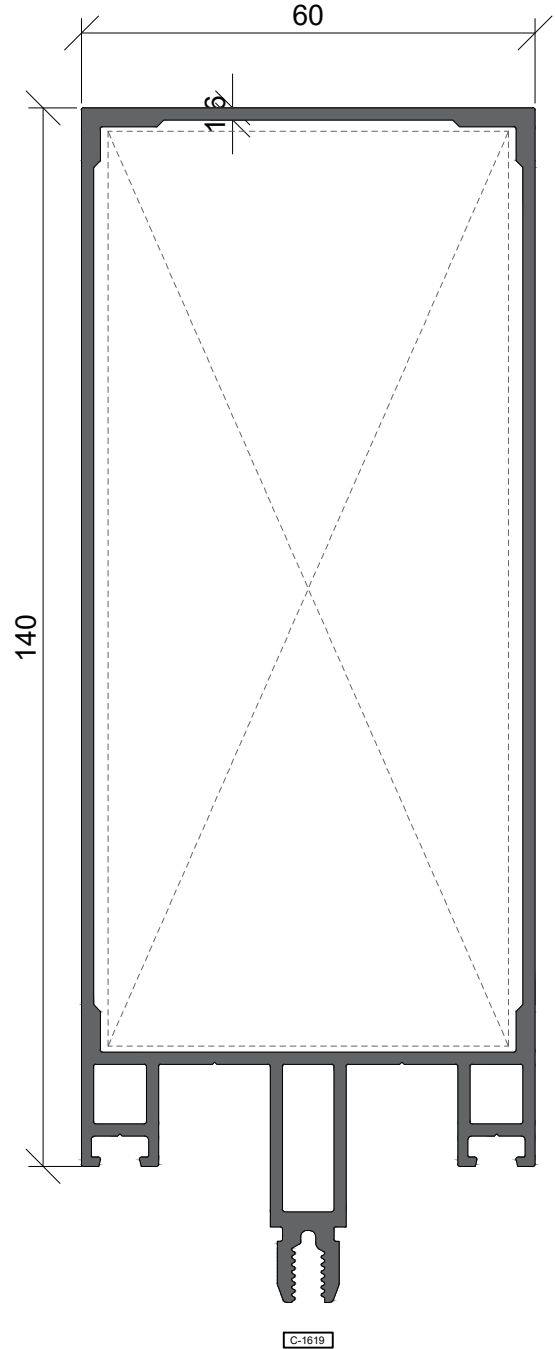
C-1618

Kod	FR60-100M
Ağırlık	1.939 Kg/m
Jx	104.02 cm ⁴
Jy	37.25 cm ⁴
Et Kalınlık	1.6 mm
Dilatasyon Bağlantısı	
53DL82	

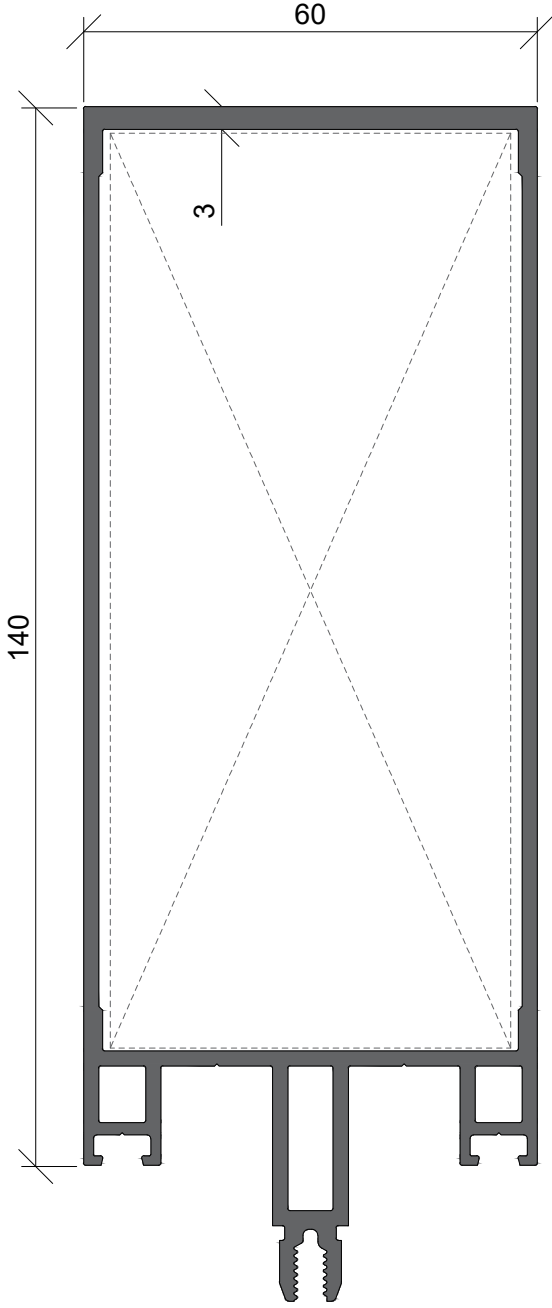
Kod	FR60-120M
Ağırlık	2.152 Kg/m
Jx	167.15 cm ⁴
Jy	43.52 cm ⁴
Et Kalınlık	1.6 mm
Dilatasyon Bağlantısı	
53DL101	



Kod	FR60-130M
Ağırlık	2.564 Kg/m
Jx	224.15 cm ⁴
Jy	53.59 cm ⁴
Et Kalınlık	2.0 mm
Dilatasyon Bağlantısı	
53DL111	

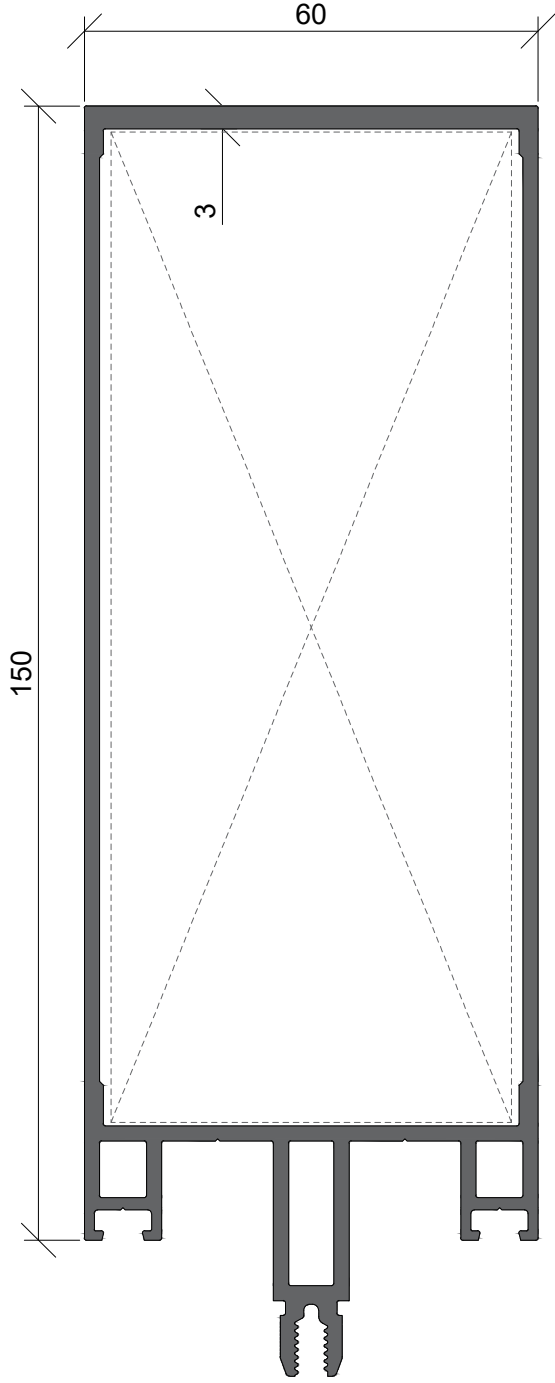


Kod	FR60-140M-1.6
Ağırlık	2.325 Kg/m
Jx	240.92 cm ⁴
Jy	48.97 cm ⁴
Et Kalınlık	1.6 mm
Dilatasyon Bağlantısı	
53DL121	



C-2018

Kod	FR60-140M-3.0
Ağırlık	2.868 Kg/m
Jx	304.23 cm ⁴
Jy	58.64 cm ⁴
Et Kalınlık	2.0 mm
Dilatasyon Bağlantısı	
53DL121	



C-2019

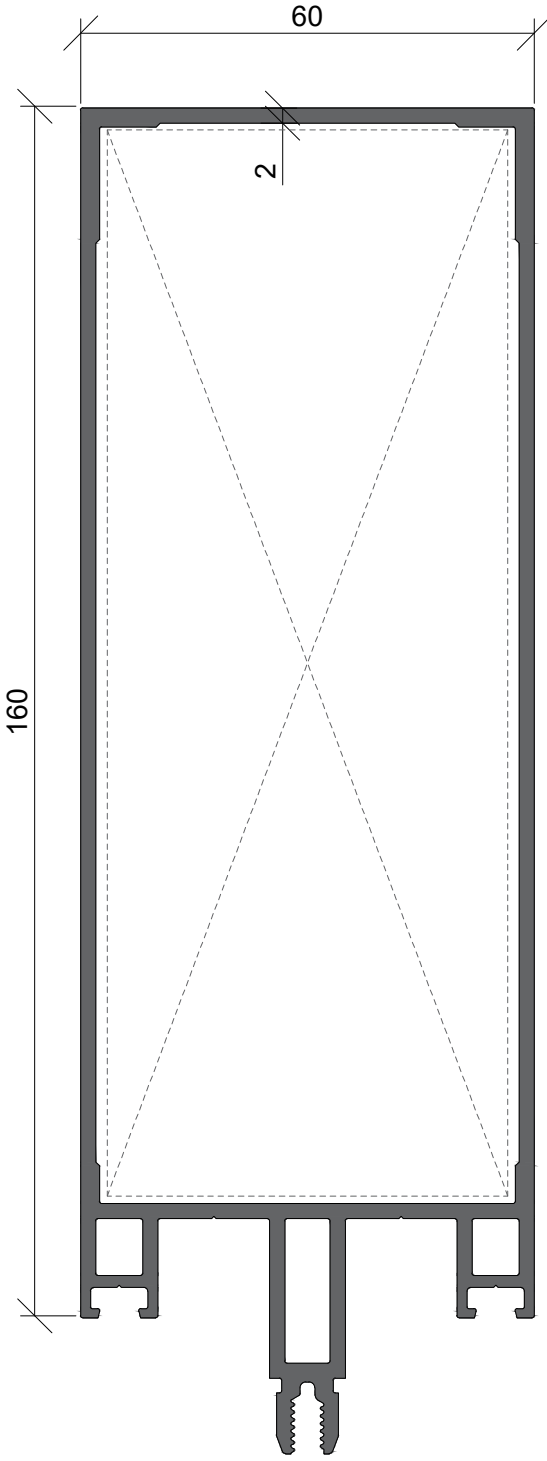
Kod	FR60-150M
Ağırlık	2.97 Kg/m
Jx	357.01 cm ⁴
Jy	61.82 cm ⁴
Et Kalınlık	2.0 mm
Dilatasyon Bağlantısı	
53DL131	



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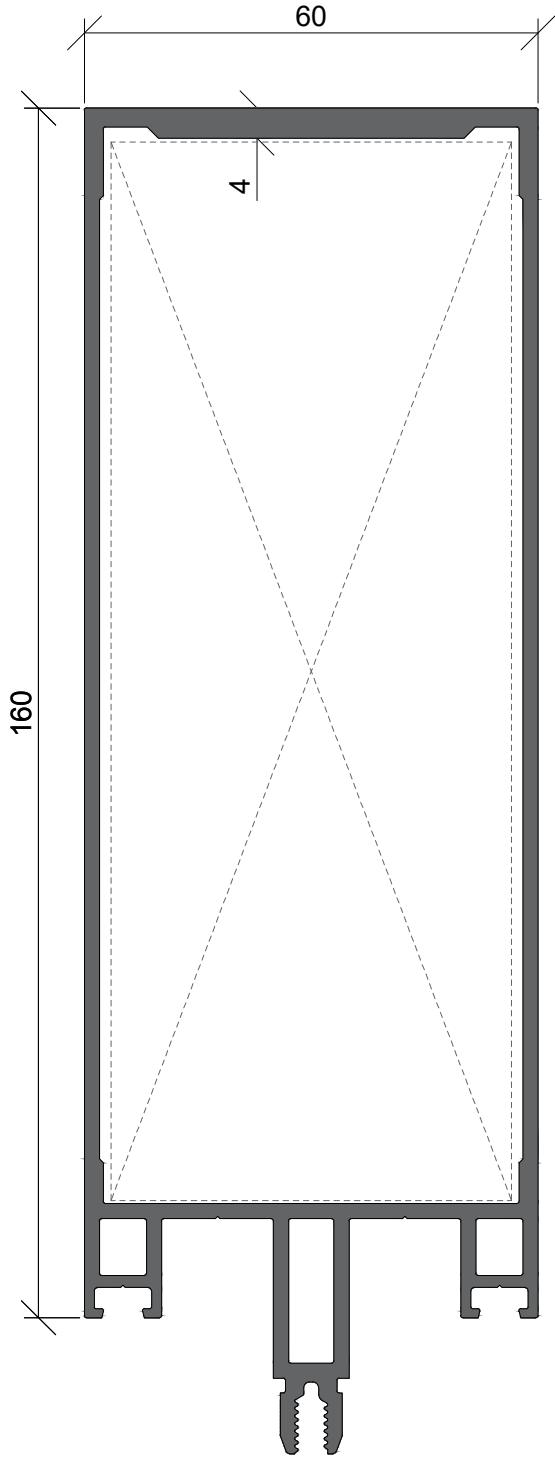


C-2020

Kod	FR60-160M-2.0
Ağırlık	2.98 Kg/m
Jx	386.29 cm ⁴
Jy	65.06 cm ⁴
Et Kalınlık	2.0 mm

Dilatasyon Bağlantısı

53DL141



C-2021

Kod	FR60-160M-4.0
Ağırlık	3.19 Kg/m
Jx	444.92 cm ⁴
Jy	65.82 cm ⁴
Et Kalınlık	2.0 mm

Dilatasyon Bağlantısı

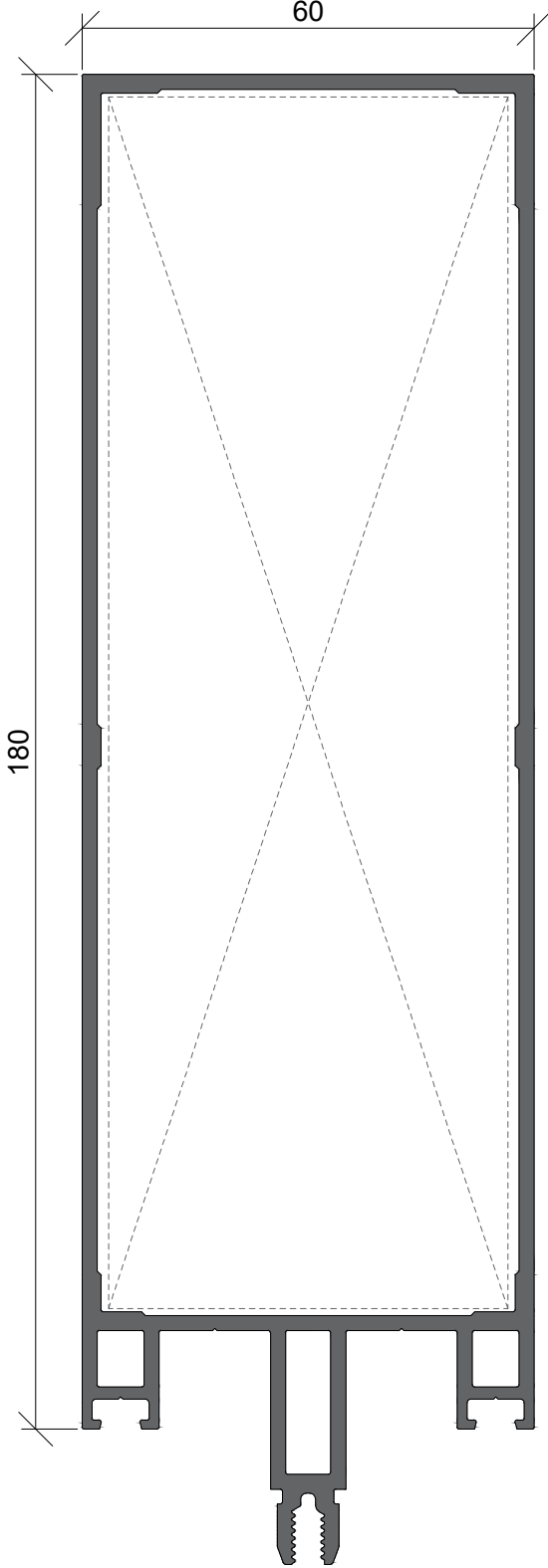
53DL140



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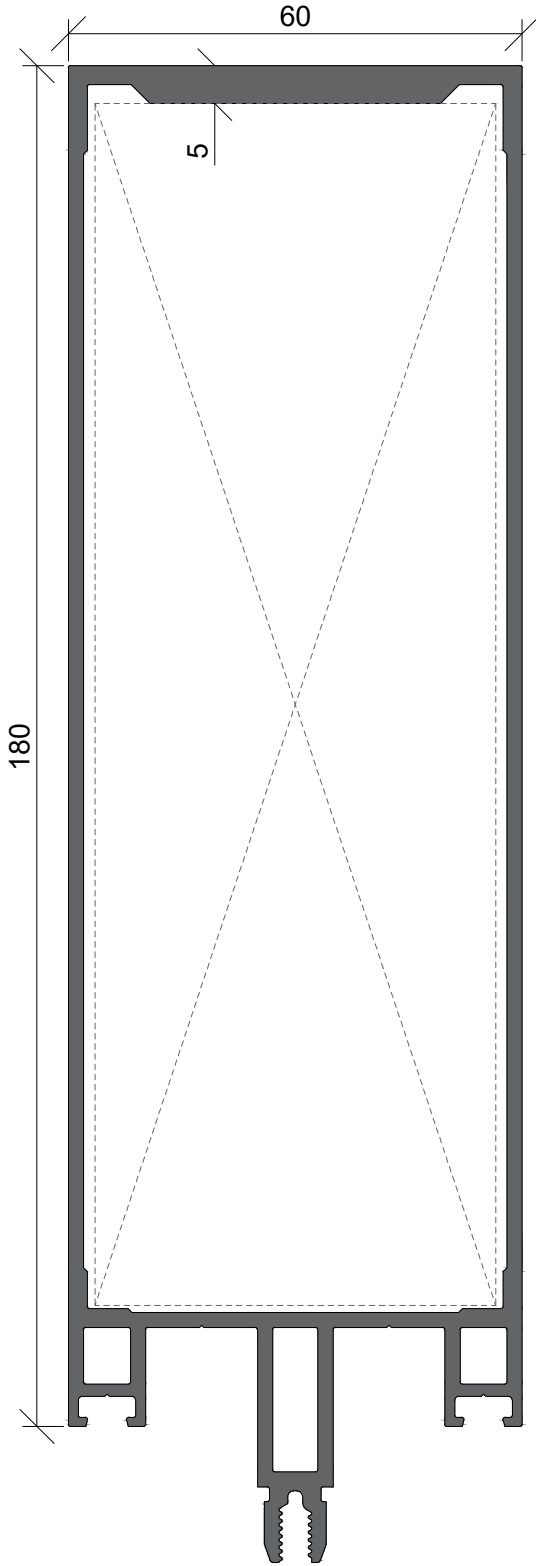


C-2022

Kod	FR60-180M-2.0
Ağırlık	3.213 Kg/m
Jx	517.08 cm ⁴
Jy	72.16 cm ⁴
Et Kalınlık	2.0 mm

Dilatasyon Bağlantısı
53DL161





C-2023

Kod	FR60-180M-5.0
Ağırlık	3.527 Kg/m
Jx	623.86 cm ⁴
Jy	73.37 cm ⁴
Et Kalınlık	2.0 mm

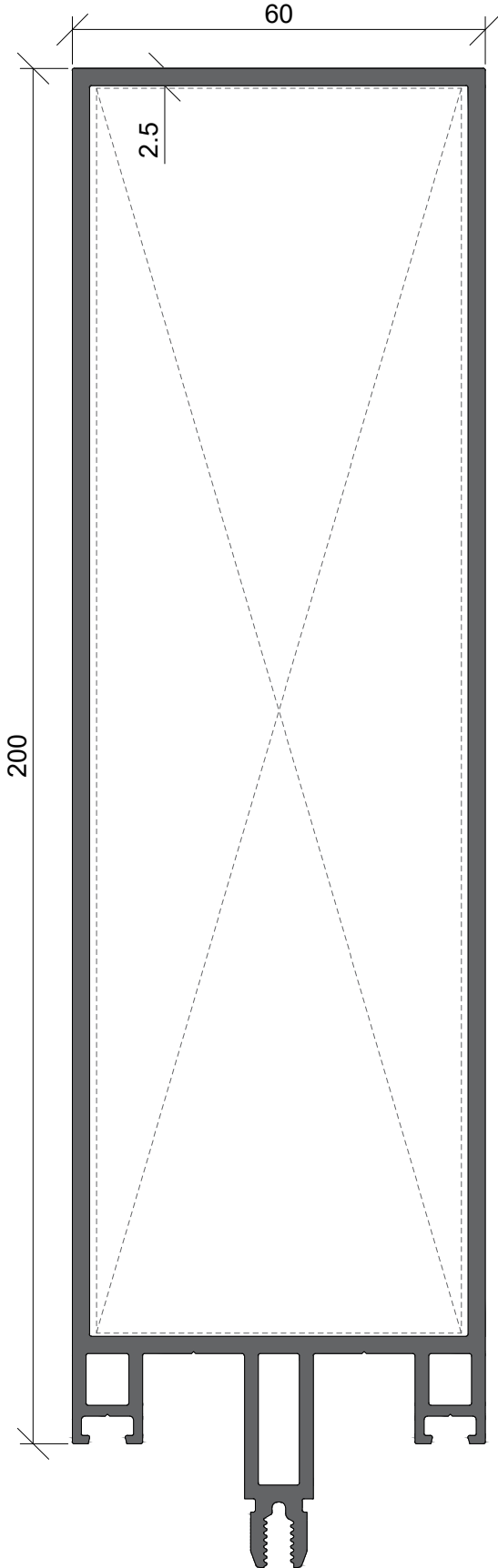
Dilatasyon Bağlantısı
53DL159



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C-2501

Kod	FR60-200M-2.5
Ağırlık	3.98 Kg/m
Jx	743.94 cm ⁴
Jy	91.94 cm ⁴
Et Kalınlık	2.5 mm

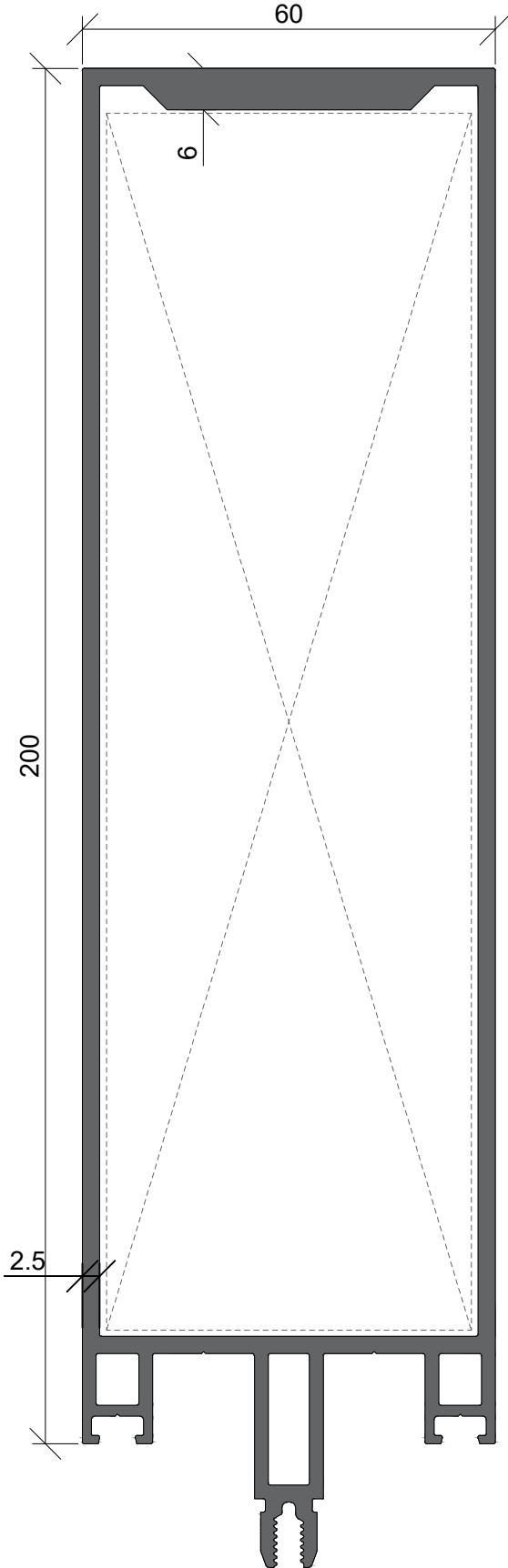
Dilatasyon Bağlantısı
53DL181



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C-2502

Kod	FR60-200M-6.0
Ağırlık	4.349 Kg/m
Jx	888.83 cm ⁴
Jy	93.68 cm ⁴
Et Kalınlık	2.5 mm

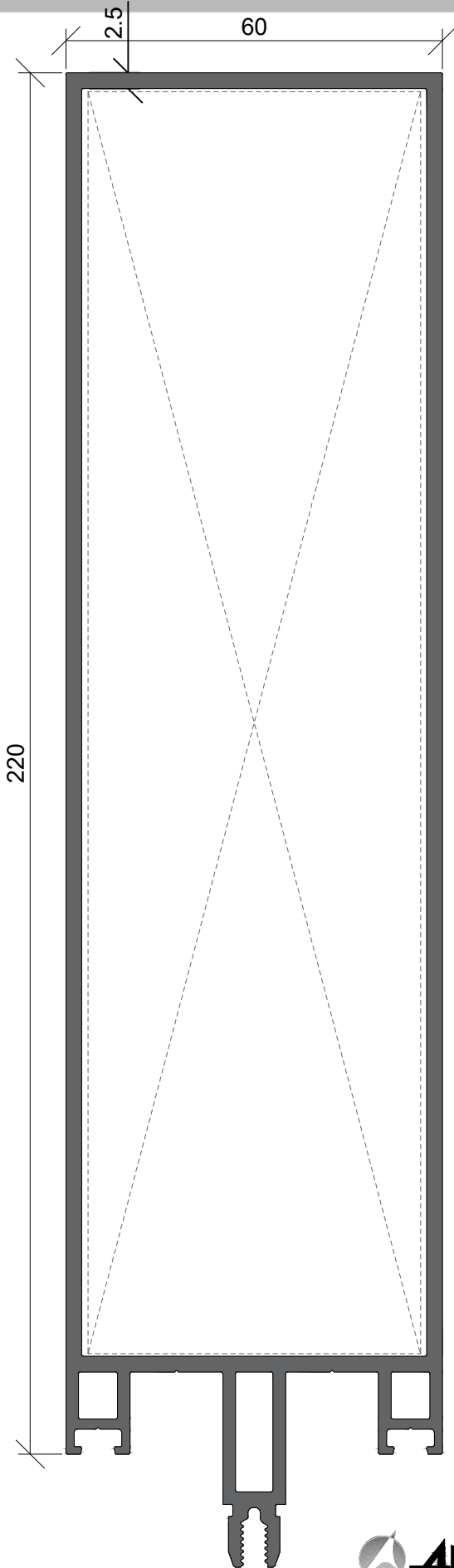
Dilatasyon Bağlantısı
53DL177



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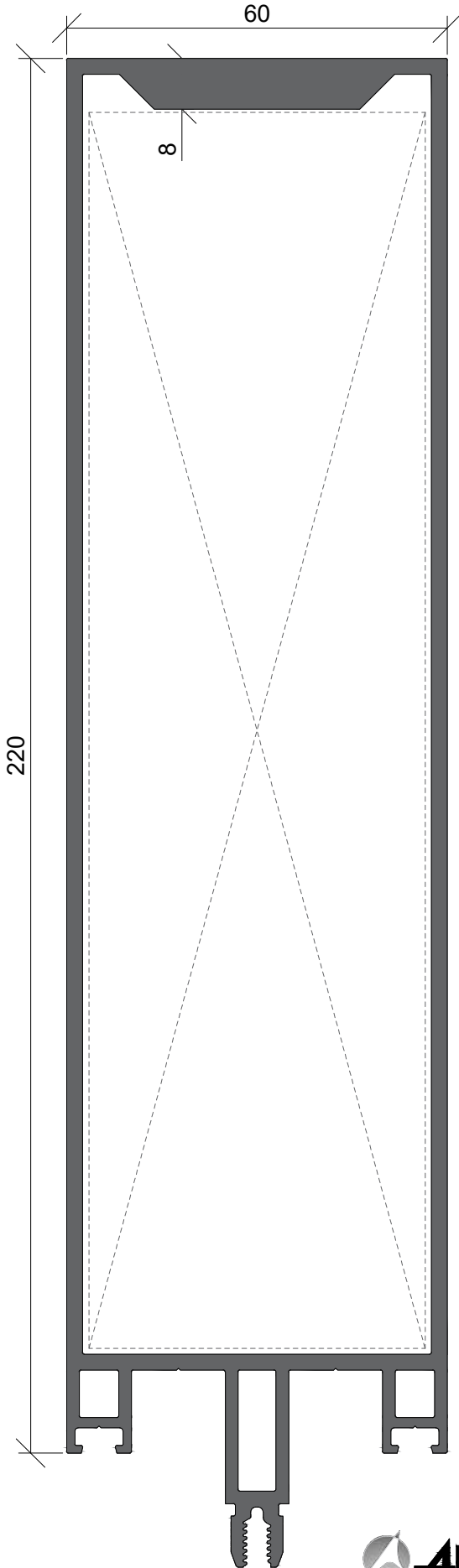
TESCİLLİ MARKASIDIR.

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C-2503	
Kod	FR60-220M-2.5
Ağırlık	4.287 Kg/m
Jx	945.35 cm ⁴
Jy	100.22 cm ⁴
Et Kalınlık	2.5 mm
Dilatasyon Bağlantısı	
53DL201	





C-2504

Kod	FR60-220M-8.0
Ağırlık	4.816 Kg/m
Jx	119.89 cm ⁴
Jy	102.76 cm ⁴
Et Kalınlık	2.5 mm

Dilatasyon Bağlantısı
53DL195



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ROUTE
SYSTEMS

FR60

FACADE SYSTEMS

KAYIT PROFİLLERİ/

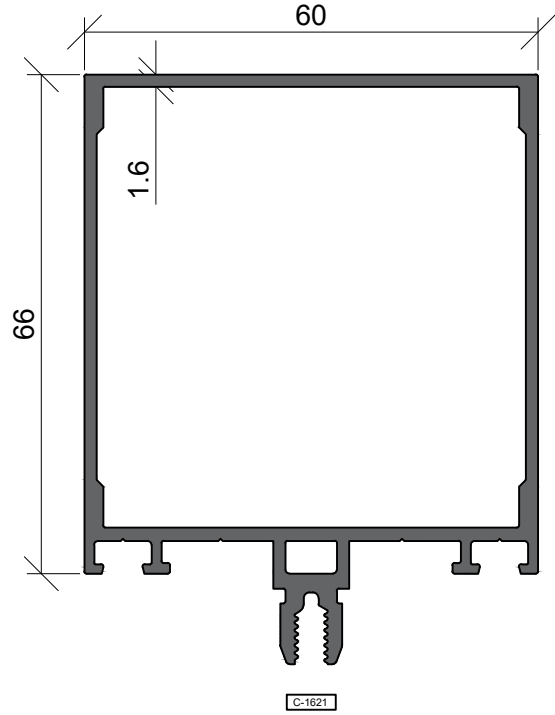
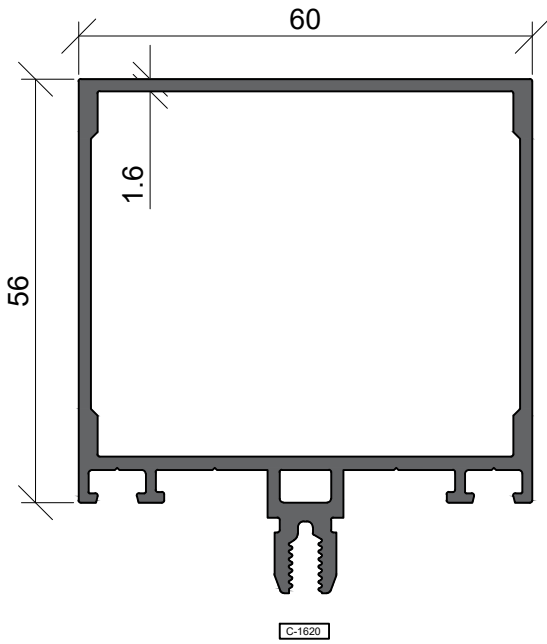
TRANSOM PROFILES



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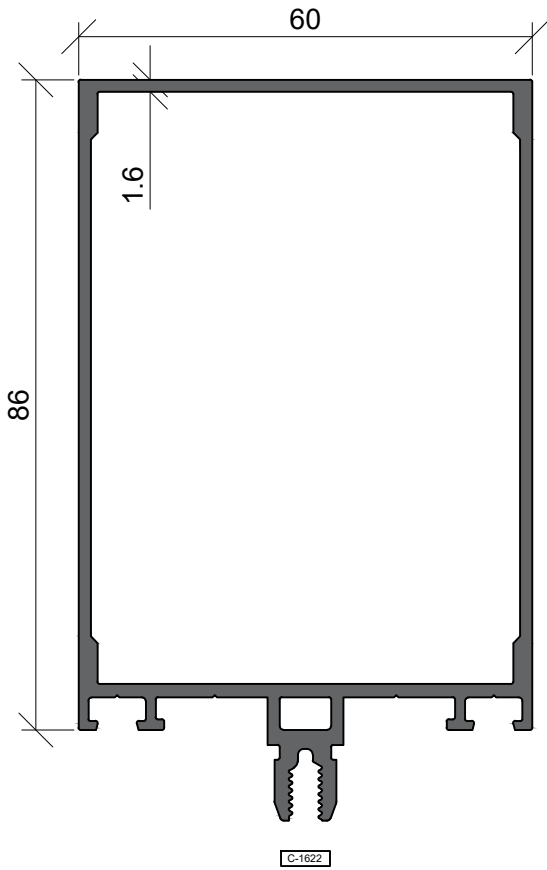
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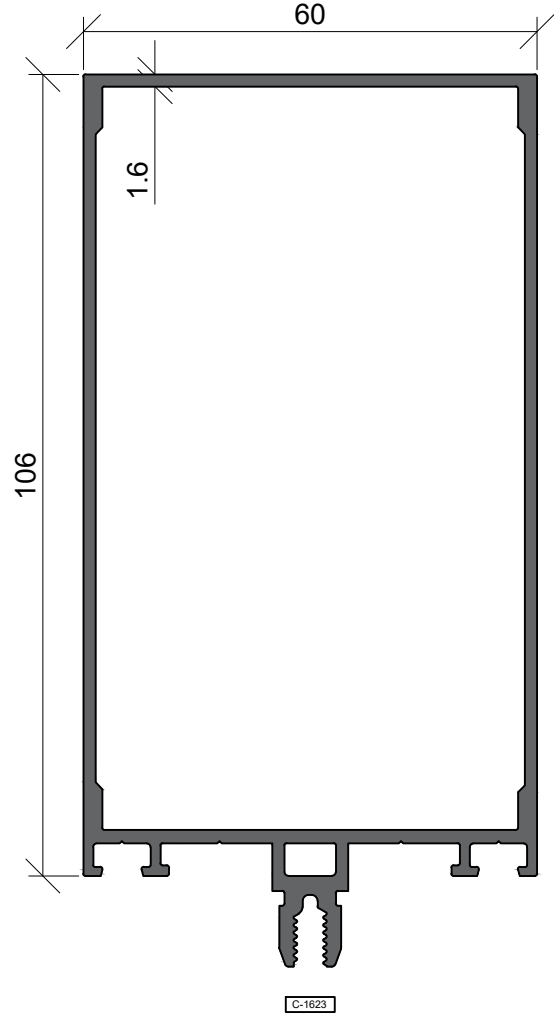


Kod	FR60-56T
Ağırlık	1.323 Kg/m
Jx	25.25 cm ⁴
Jy	22.9 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2024	
Yatay Kayıt Bağlantısı	
50.6FR46	

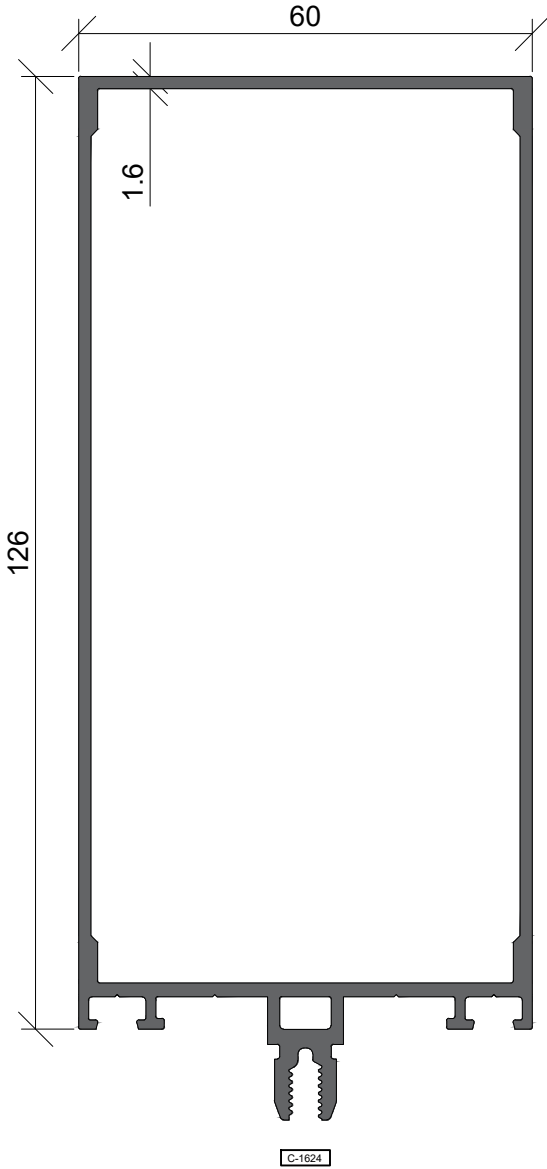
Kod	FR60-66T
Ağırlık	1.409 Kg/m
Jx	36.64 cm ⁴
Jy	25.62 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2025	
Yatay Kayıt Bağlantısı	
50.6FR46	



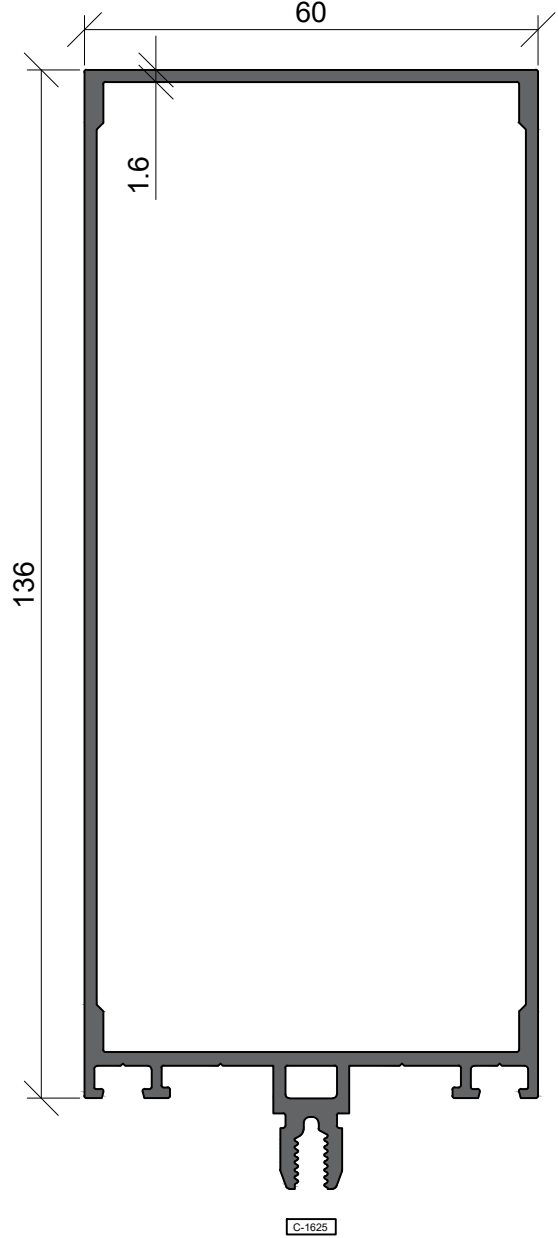
Kod	FR60-86T
Ağırlık	1.583 Kg/m
Jx	67.27 cm ⁴
Jy	31.08 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2026	
Yatay Kayıt Bağlantısı	
50.6FR76	



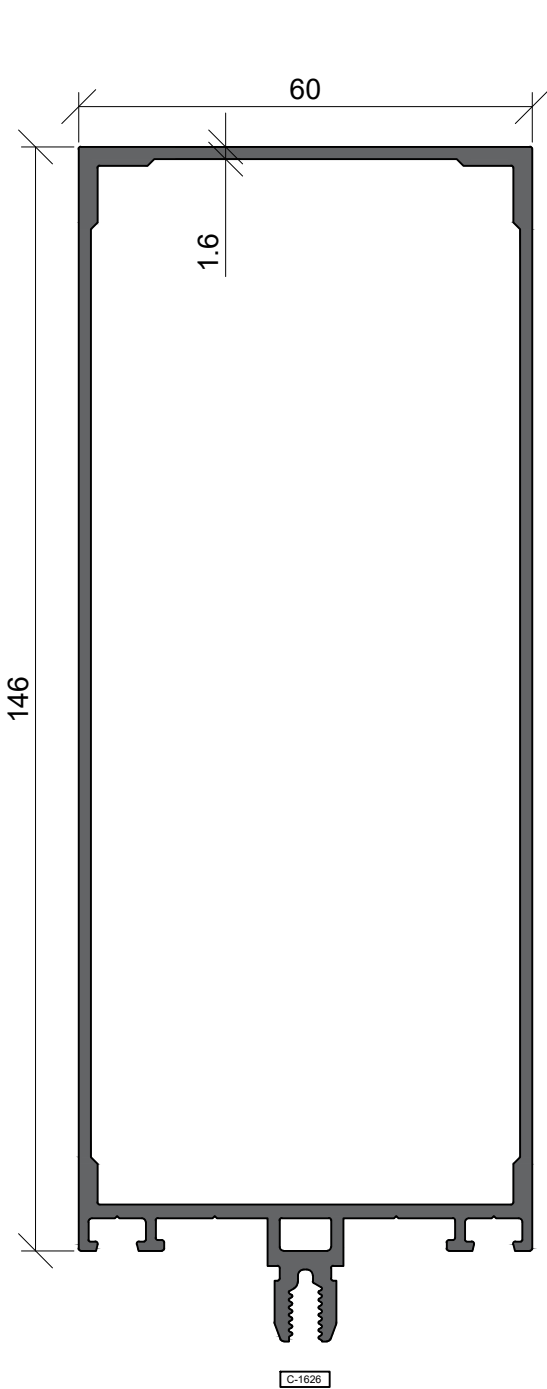
Kod	FR60-106T
Ağırlık	1.755 Kg/m
Jx	109.42 cm ⁴
Jy	36.51 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2027	
Yatay Kayıt Bağlantısı	
50.6FR96	



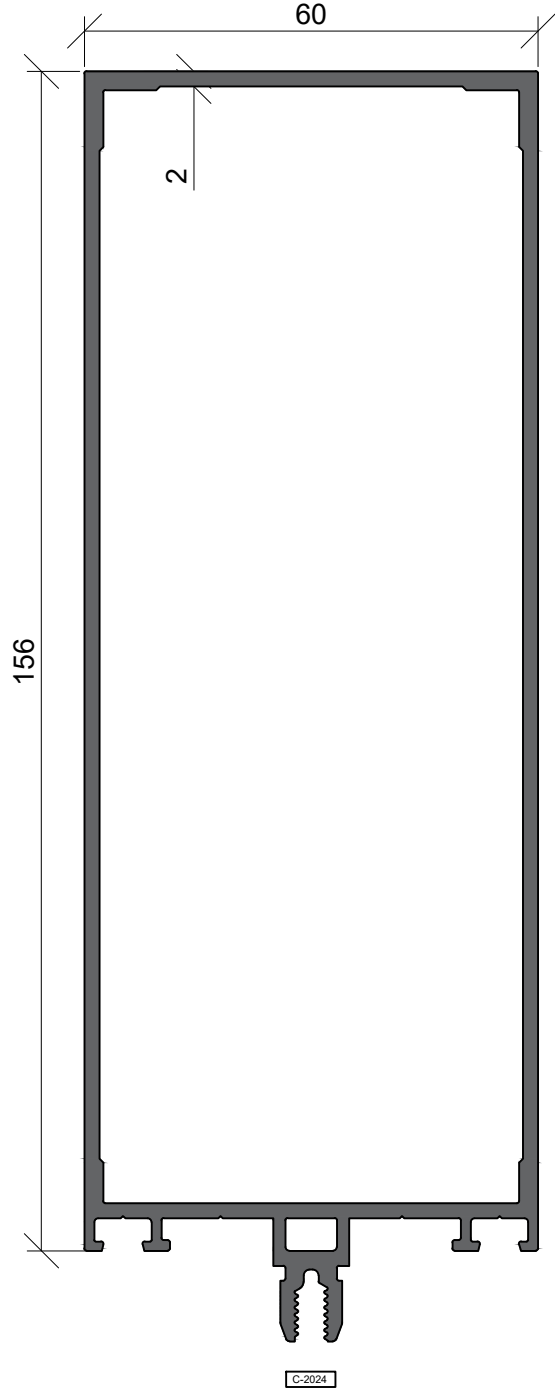
Kod	FR60-126T
Ağırlık	1.93 Kg/m
Jx	164.53 cm ⁴
Jy	42.0 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2028	
Yatay Kayıt Bağlantısı	
50.6FR116	



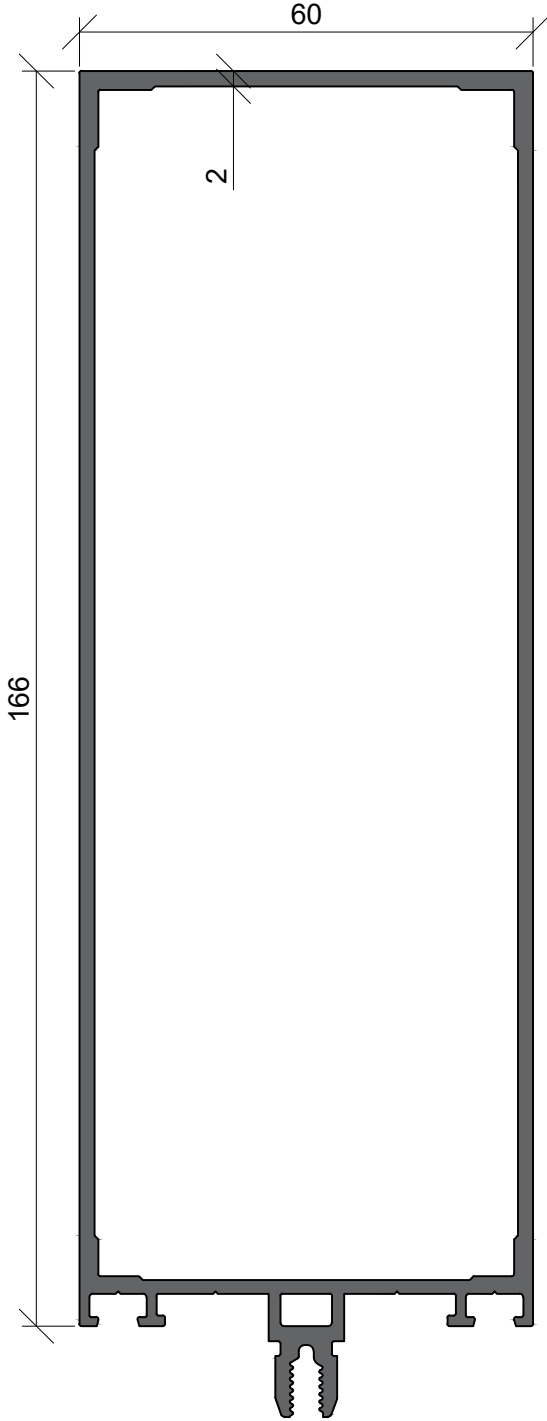
Kod	FR60-136T
Ağırlık	2.016 Kg/m
Jx	197.3 cm ⁴
Jy	44.73 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2029	
Yatay Kayıt Bağlantısı	
50.6FR126	



Kod	FR60-146T
Ağırlık	2.152 Kg/m
Jx	244.7 cm ⁴
Jy	48.62 cm ⁴
Et Kalınlık	1.6 mm
Yatay Kayıt Contası	
A02.2030	
Yatay Kayıt Bağlantısı	
50.6FR136	



Kod	FR60-156T
Ağırlık	2.603 Kg/m
Jx	319.15 cm ⁴
Jy	60.34 cm ⁴
Et Kalınlık	2.0 mm
Yatay Kayıt Contası	
A02.2031	
Yatay Kayıt Bağlantısı	
50.6FR145.3	



C-2025

Kod	FR60-166T
Ağırlık	2.696 Kg/m
Jx	368.49 cm ⁴
Jy	63.76 cm ⁴
Et Kalınlık	2.0 mm

Yatay Kayıt Contası

A02.2032

Yatay Kayıt Bağlantısı

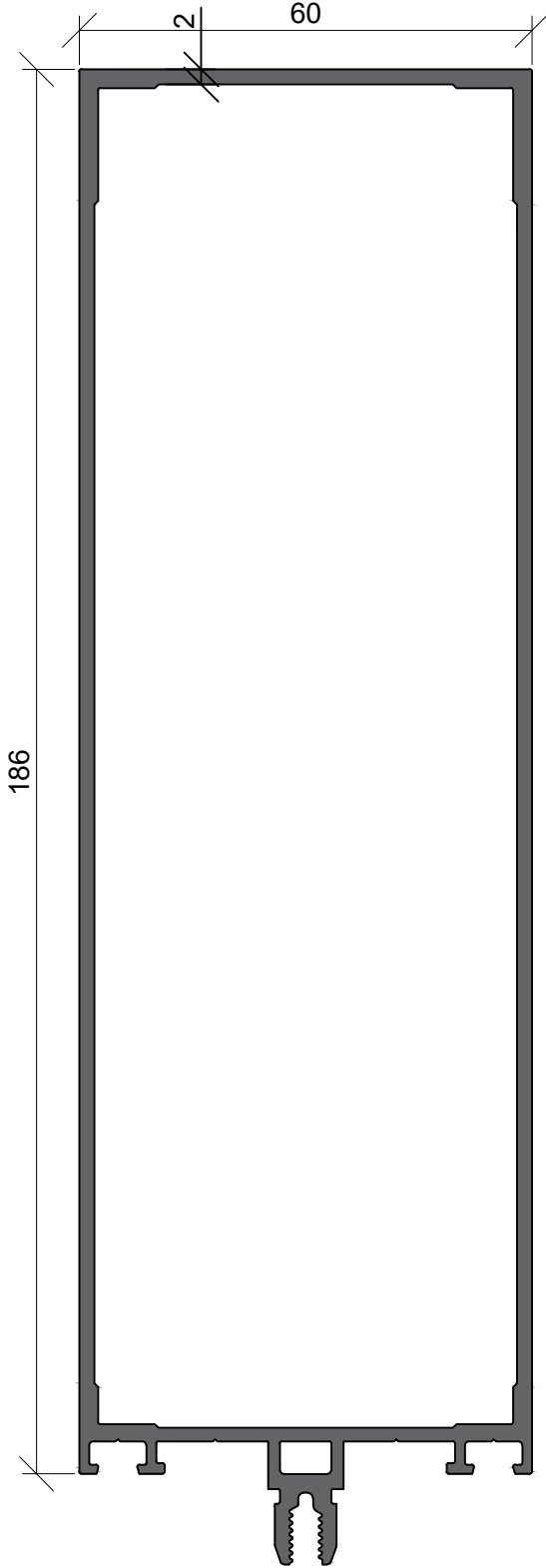
50.6FR155.3



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C-2026

Kod	FR60-186T
Ağırlık	2.94 Kg/m
Jx	494.25 cm ⁴
Jy	71.17 cm ⁴
Et Kalınlık	2.0 mm

Yatay Kayıt Contası

A02.2033

Yatay Kayıt Bağlantısı

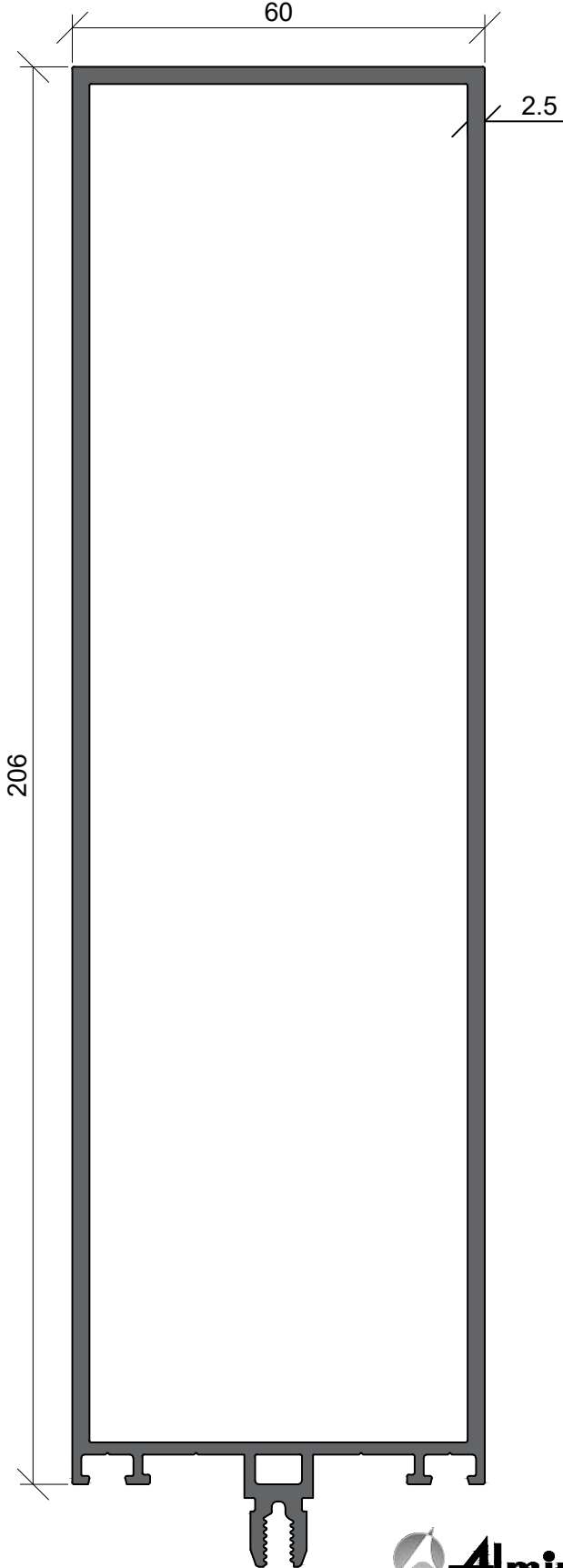
50.6FR175.3



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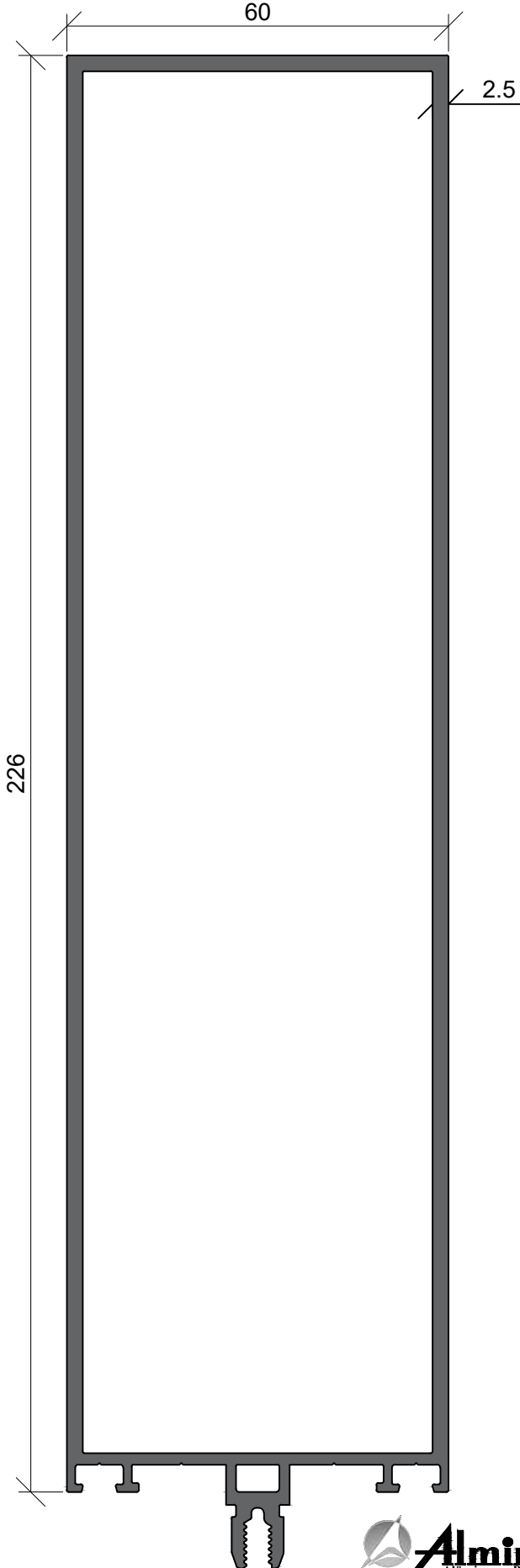
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C-2505	
Kod	FR60-206T
Ağırlık	3.668 Kg/m
Jx	697.6 cm ⁴
Jy	91.32 cm ⁴
Et Kalınlık	2.5 mm
Yatay Kayıt Contası	
A02.2034	
Yatay Kayıt Bağlantısı	
50.6FR195.3	





C-2506	
Kod	FR60-226T
Ağırlık	3.939 Kg/m
Jx	883.14 cm ⁴
Jy	99.6 cm ⁴
Et Kalınlık	2.5 mm
Yatay Kayıt Contası	
A02.2035	
Yatay Kayıt Bağlantısı	
50.6FR215.3	





ROUTE
SYSTEMS

FR60

FACADE SYSTEMS

YARDIMCI PROFİLLER/

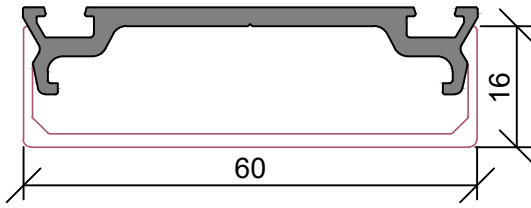
AUXILIARY PROFILES



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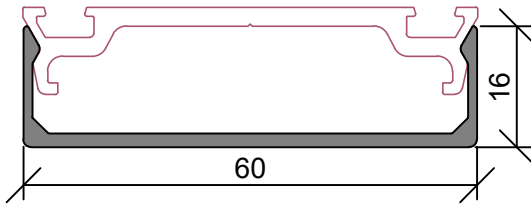
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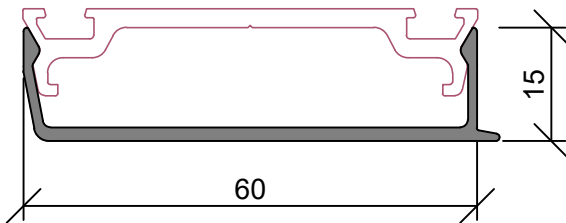
C-016

Kod	FR60-001
Ağırlık	0.53 Kg/m



C-017

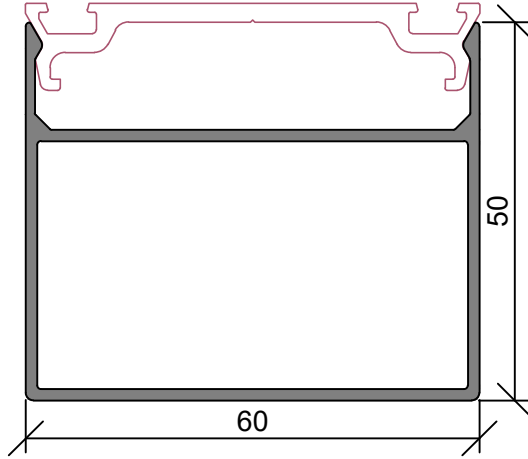
Kod	FR60-002
Ağırlık	0.405 Kg/m



C-018

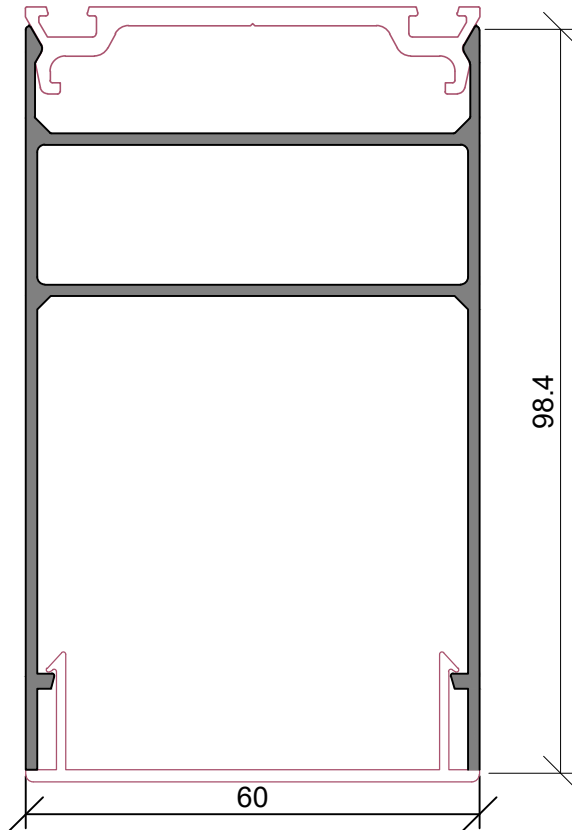
Kod	FR60-003
Ağırlık	0.391 Kg/m





C-019

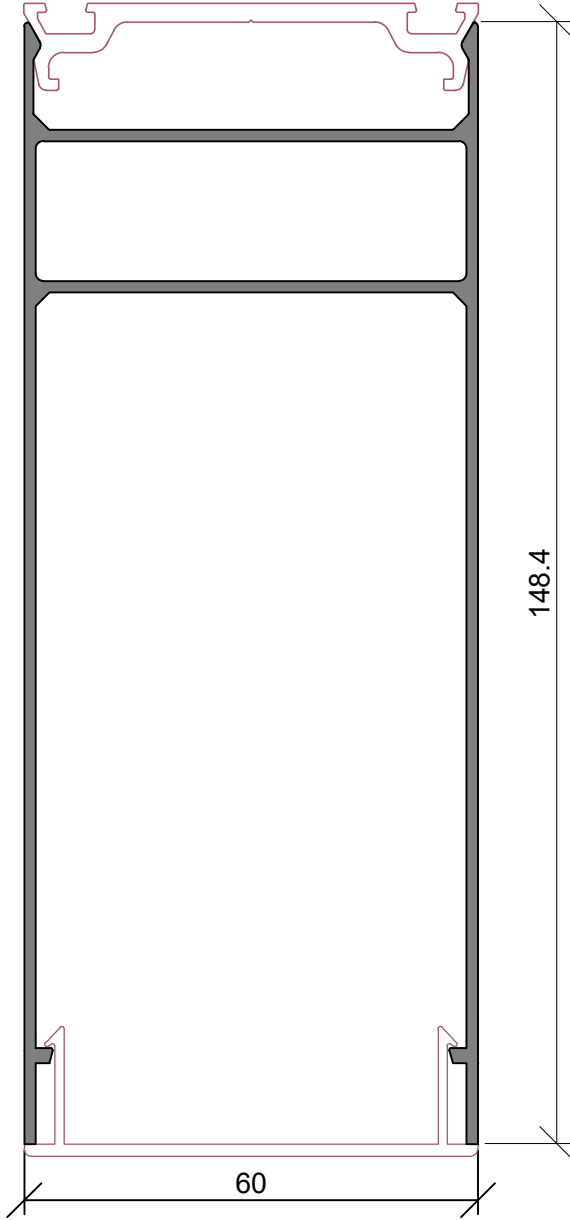
Kod	FR60-004
Ağırlık	0.867 Kg/m



C-020

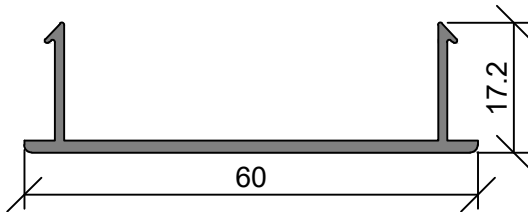
Kod	FR60-005
Ağırlık	1.295 Kg/m





C-021

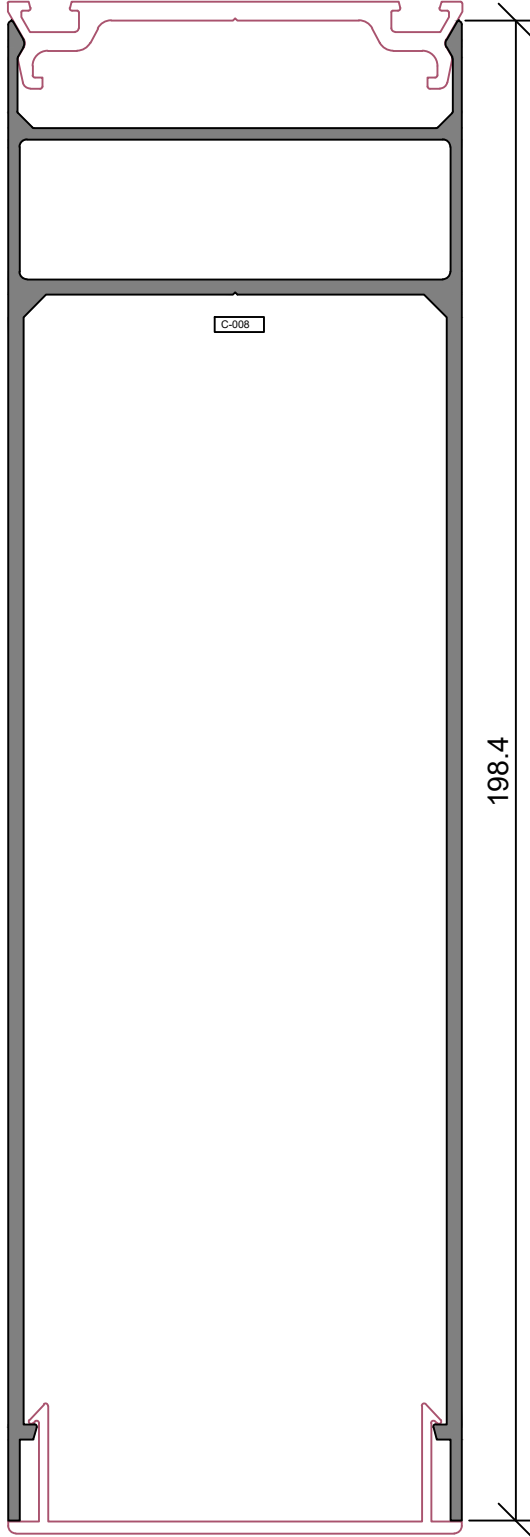
Kod	FR60-006
Ağırlık	1.702 Kg/m



C-022

Kod	FR60-007
Ağırlık	0.366 Kg/m

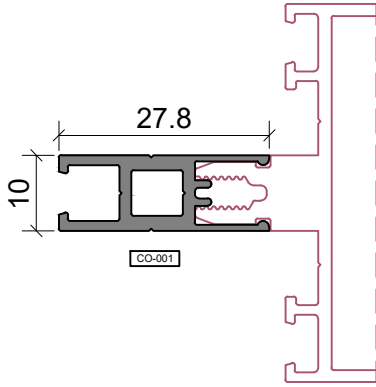




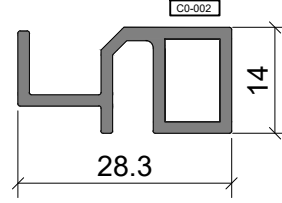
C-023

Kod	FR60-008
Ağırlık	2.6 Kg/m

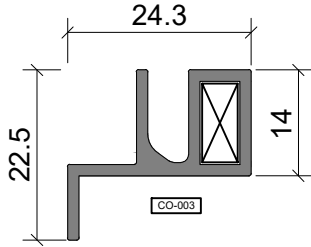




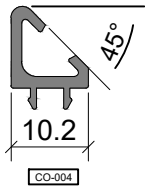
Kod	FR-001
Ağırlık	0,280 Kg/m



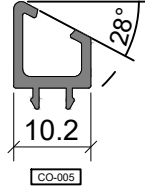
Kod	FR-002
Ağırlık	0,335 Kg/m



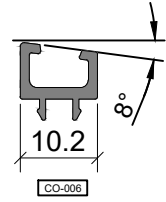
Kod	FR-003
Ağırlık	0,321 Kg/m



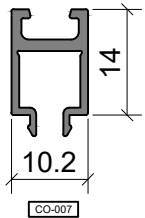
Kod	FR-004
Ağırlık	0,113 Kg/m



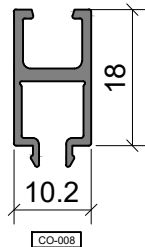
Kod	FR-005
Ağırlık	0,115 Kg/m



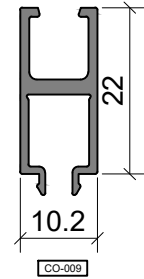
Kod	FR-006
Ağırlık	0,097 Kg/m



Kod	FR-007
Ağırlık	0,145 Kg/m

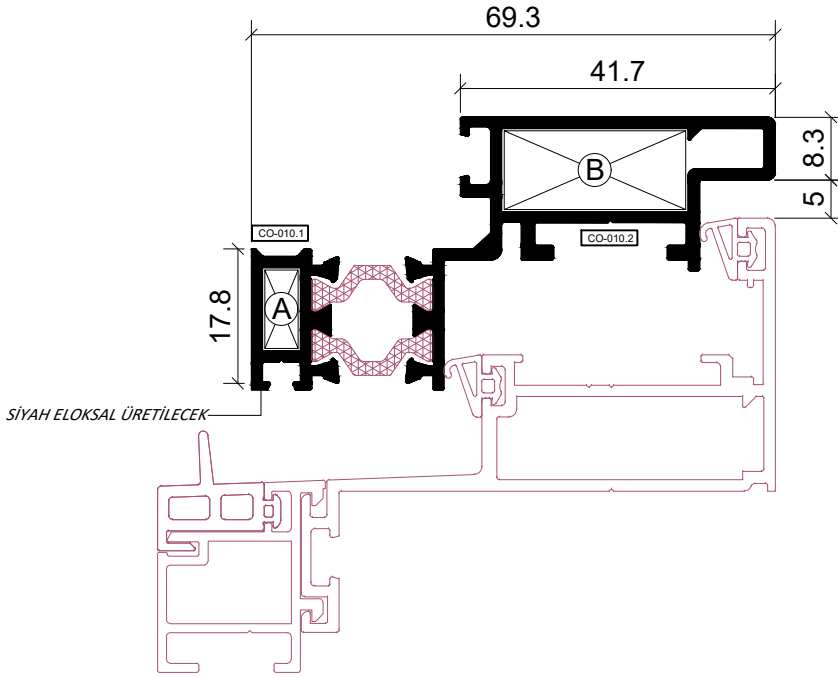


Kod	FR-008
Ağırlık	0,176 Kg/m



Kod	FR-009
Ağırlık	0,211 Kg/m

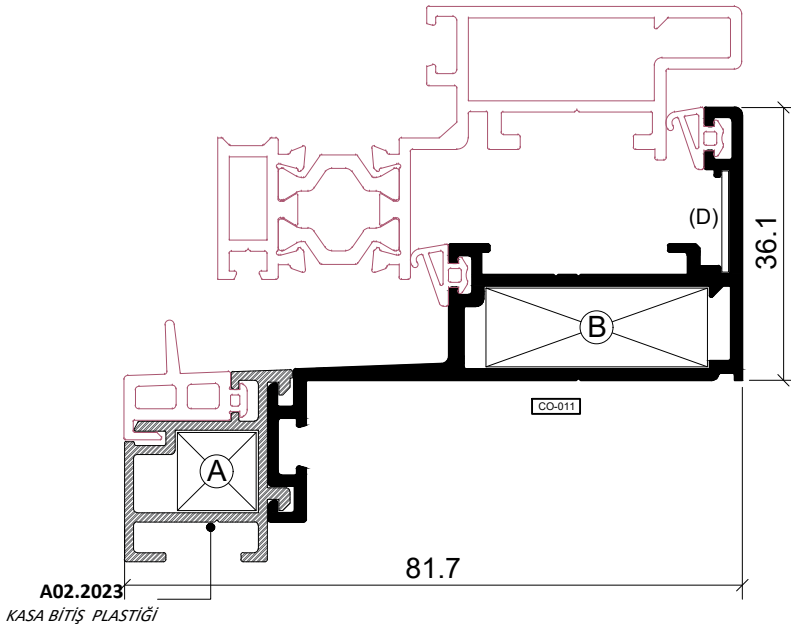




Kaset Profili

Kod	FR-010
Ağırlık	1.072 Kg/m
Jx	17.39 cm ⁴
Jy	16.44 cm ⁴
Et Kalınlık	1.5 mm

Profil Kodu	FR-025 	
Parça Kodu	(A) 107FR45	(B) 107FR240
Kesim Ölçüsü	4,5 mm	24 mm

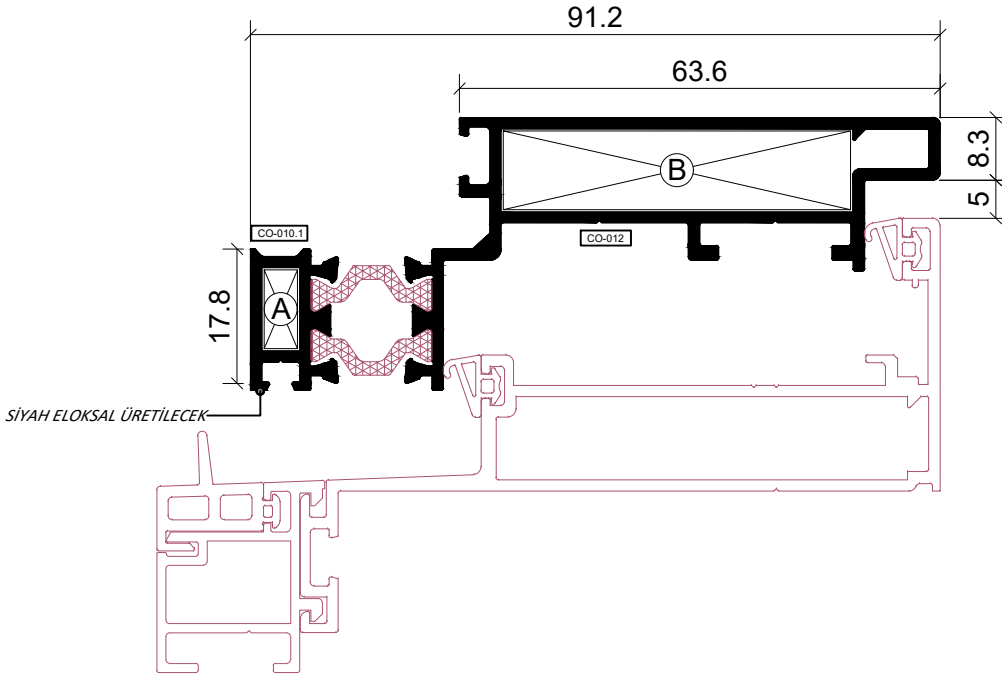


Kasa Profili

Kod	FR-028
Ağırlık	1.019 Kg/m
Jx	17.04 cm ⁴
Jy	18.13 cm ⁴
Et Kalınlık	1.5 mm

Profil Kodu	FR-025 	
Parça Kodu	(A) 107FR105	(B) 107FR295
Kesim Ölçüsü	10,5 mm	29,5 mm

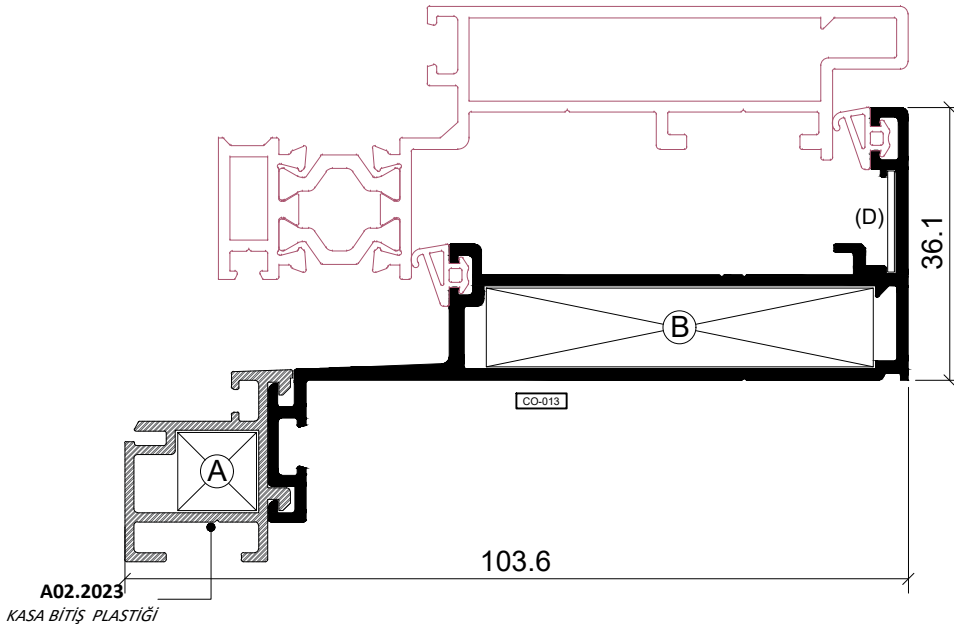




Kaset Profili

Kod	FR-012
Ağırlık	1.243 Kg/m
Jx	34.98 cm ⁴
Jy	24.17 cm ⁴
Et Kalınlık	1.5 mm

Profil Kodu	FR-025	
Parça Kodu	(A) 107FR45	(B) 107FR460
Kesim Ölçüsü	4,5 mm	46 mm

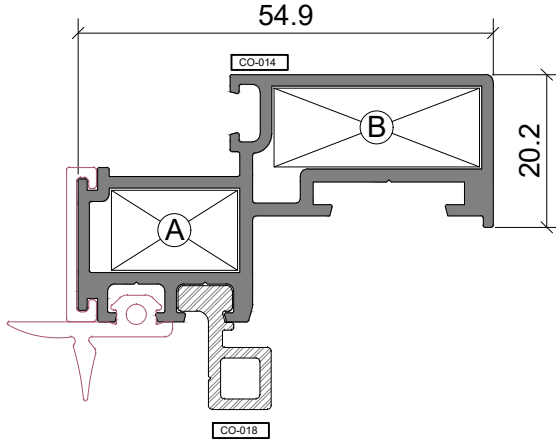


Kasa Profili

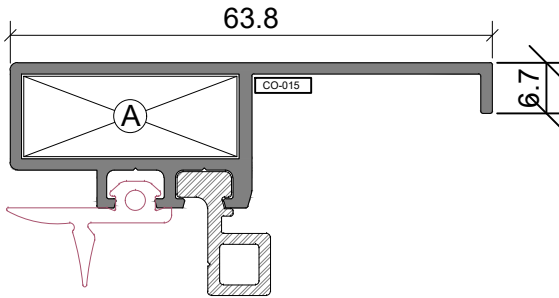
Kod	FR-029
Ağırlık	1.024 Kg/m
Jx	33.7 cm ⁴
Jy	24.6 cm ⁴
Et Kalınlık	1.6 mm

Profil Kodu	FR-025	
Parça Kodu	(A) 107FR105	(B) 107FR515
Kesim Ölçüsü	10,5 mm	51,5 mm

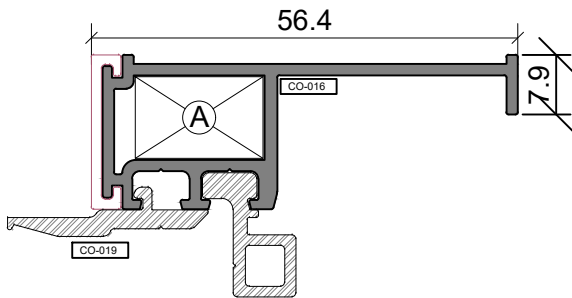




Profil Kodu	FR-014	
Ad	Kaset Profili	
Ağırlık	0.891 Kg/m	
Profil Kodu	FR-025	
Parça Kodu	(A) 107FR170	(B) 107FR273
Kesim Ölçüsü	17.0 mm	27.3 mm
Profil Kodu	FR-018	
Kesim Ölçüsü	40 mm	

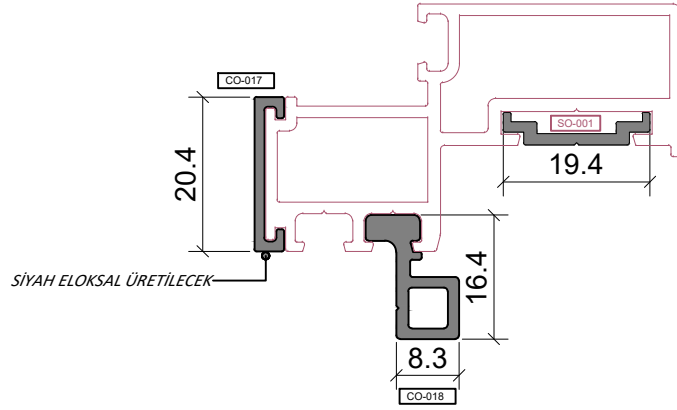


Profil Kodu	FR-015	
Ad	Kompozit Profili	
Ağırlık	0.592 Kg/m	
Profil Kodu	FR-025	
Parça Kodu	(A) 107FR284	
Kesim Ölçüsü	28,4 mm	

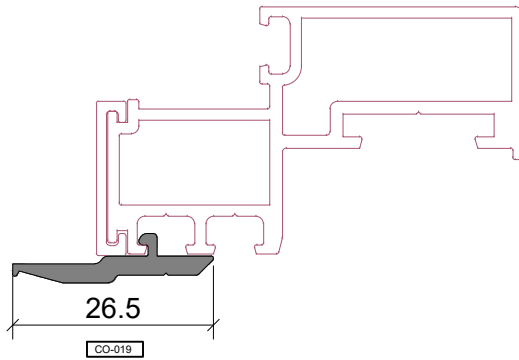


Profil Kodu	FR-016	
Ad	Spandrel Profili	
Ağırlık	0.546 Kg/m	
Profil Kodu	FR-025	
Parça Kodu	(A) 107FR170	
Kesim Ölçüsü	17,0 mm	
Profil Kodu	FR-019	
Kesim Ölçüsü	80 mm	



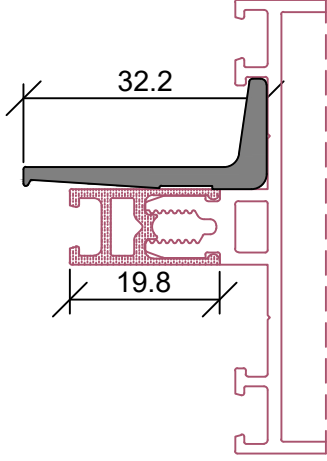


Profil Kodu	FR-017	
Ad	Bonding Profili	
Ağırlık	0.091 Kg/m	
Profil Kodu	RO-001	
Ad	Tij Profili	
Ağırlık	0.091 Kg/m	
Profil Kodu	FR-018	
Ad	Klips Profili	
Ağırlık	0.204 Kg/m	

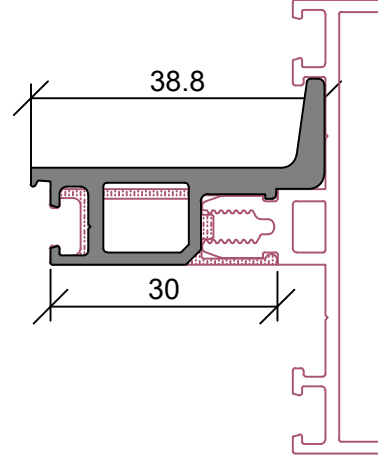


Profil Kodu	FR-019	
Ad	Yük Alıcı Profil	
Ağırlık	0.178 Kg/m	

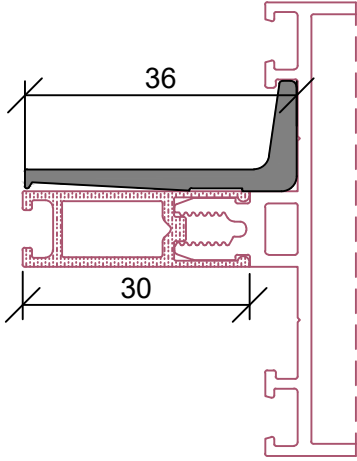




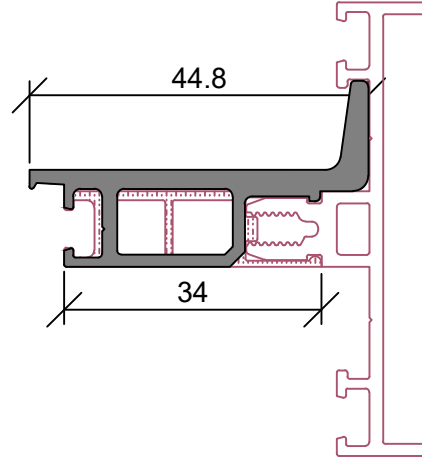
Profil Kodu	FR60-009
Ad	Yük Alıcı Profil
Ağırlık	0,310
Kesim Ölçüsü	80 mm



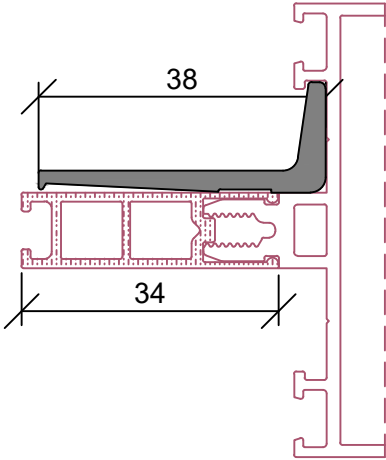
Profil Kodu	FR60-012
Ad	Yük Alıcı Profil
Ağırlık	0,553
Kesim Ölçüsü	80 mm



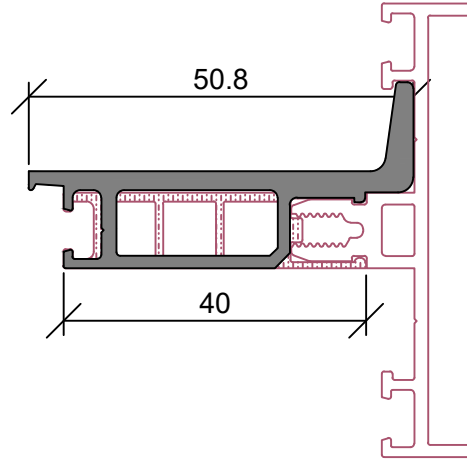
Profil Kodu	FR60-010
Ad	Yük Alıcı Profil
Ağırlık	0,333
Kesim Ölçüsü	80 mm



Profil Kodu	FR60-013
Ad	Yük Alıcı Profil
Ağırlık	0,624
Kesim Ölçüsü	80 mm

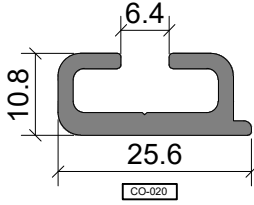


Profil Kodu	FR60-011
Ad	Yük Alıcı Profil
Ağırlık	0,345
Kesim Ölçüsü	80 mm

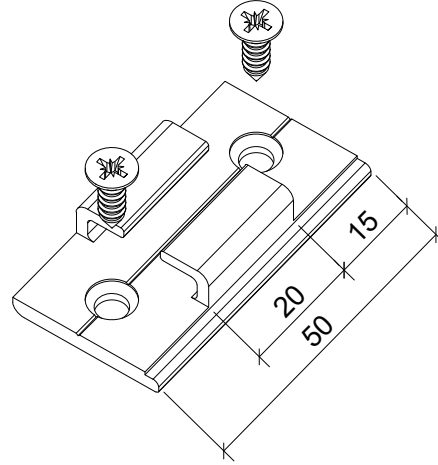


Profil Kodu	FR60-014
Ad	Yük Alıcı Profil
Ağırlık	0,691
Kesim Ölçüsü	80 mm



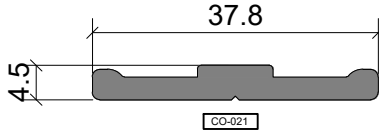


Profil Kodu	FR-020	
Ad	Karşılık Profili	
Ağırlık	0.343 Kg/m	
Kesim Ölçüsü	50 mm	

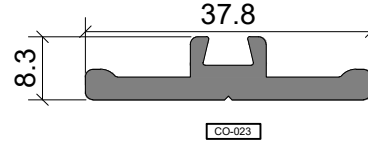


**** FR-020 KODLU KARŞILIK PROFİLİNE MEKANİK İŞLEM VE SİYAH ELOKSALYAPILACAKTIR.**

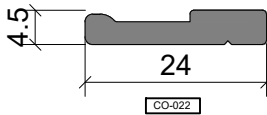
MECHANICAL PROCESS AND BLACK ANODIZING WILL BE MADE TO THE FR-020 CODED STRIKE PROFILE.



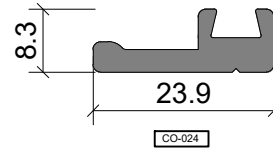
Profil Kodu	FR-021	
Ad	Çiftli Klips Profili	
Ağırlık	0.365 Kg/m	
Kesim Ölçüsü	15 mm	



Profil Kodu	FR-023	
Ad	Çiftli Klips Profili	
Ağırlık	0.405 Kg/m	
Kesim Ölçüsü	15 mm	

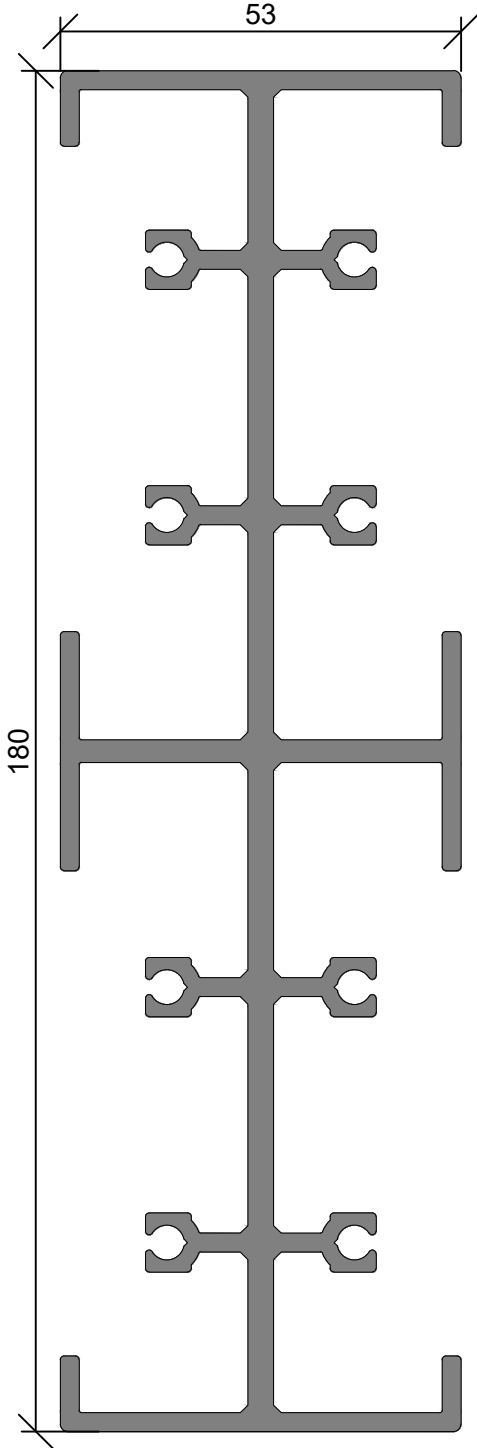


Profil Kodu	FR-022	
Ad	Tekli Klips Profili	
Ağırlık	0.245 Kg/m	
Kesim Ölçüsü	15 mm	



Profil Kodu	FR-024	
Ad	Tekli Klips Profili	
Ağırlık	0.284 Kg/m	
Kesim Ölçüsü	15 mm	





C-031

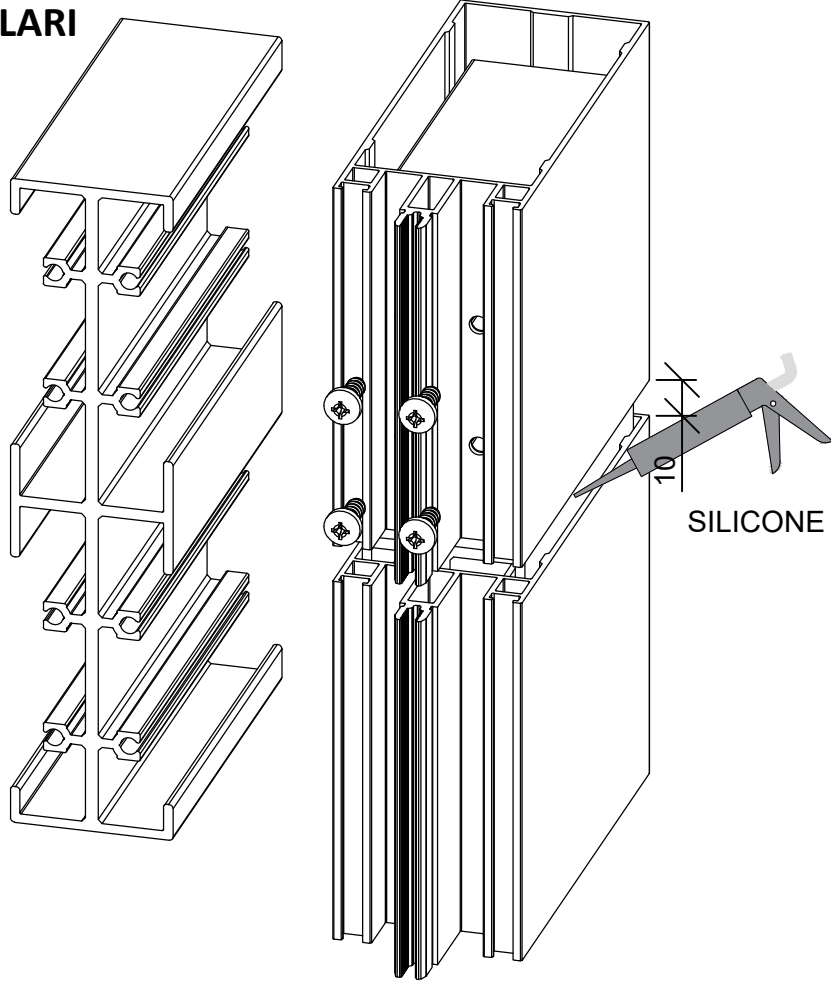
Profil Kodu	FR60-016 [---I---]
Ad	Dilatasyon Profili
Ağırlık	4.436 Kg/m
Kesim Ölçüsü	Değişken





DİLATASYON BAĞLANTILARI

DILATATION CONNECTIONS

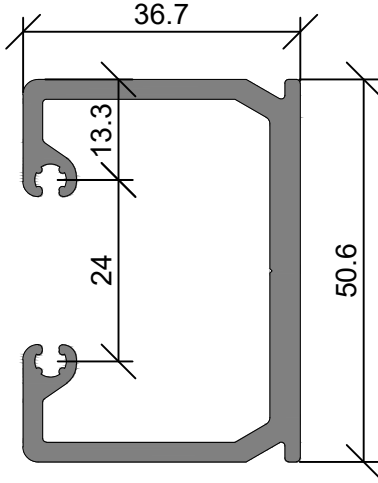


ÇİZİM DRAWING	PARÇA KODU	KULLANILDIĞI PROFİLLER FOR PROFILES	KESİM ÖLÇÜSÜ CUTTING DIMENSION
	53DL32	FR60-50M	32 mm
	53DL42	FR60-60M	42 mm
	53DL62	FR60-80M	62 mm
	53DL82	FR60-100M	82 mm
	53DL101	FR60-120M	101 mm
	53DL111	FR60-130M	111 mm
	53DL121	FR60-140M-1.6	121 mm
	53DL121	FR60-140M-3.0	121 mm
	53DL131	FR60-150M	131 mm
	53DL141	FR60-160M-2.0	141 mm
	53DL140	FR60-160M-4.0	140 mm
	53DL161	FR60-180M-2.0	161 mm
	53DL159	FR60-180M-5.0	159 mm
	53DL181	FR60-200M-2.5	181 mm
	53DL177	FR60-200M-6.0	177 mm
	53DL201	FR60-220M-2.5	201 mm
	53DL195	FR60-220M-8.0	195 mm

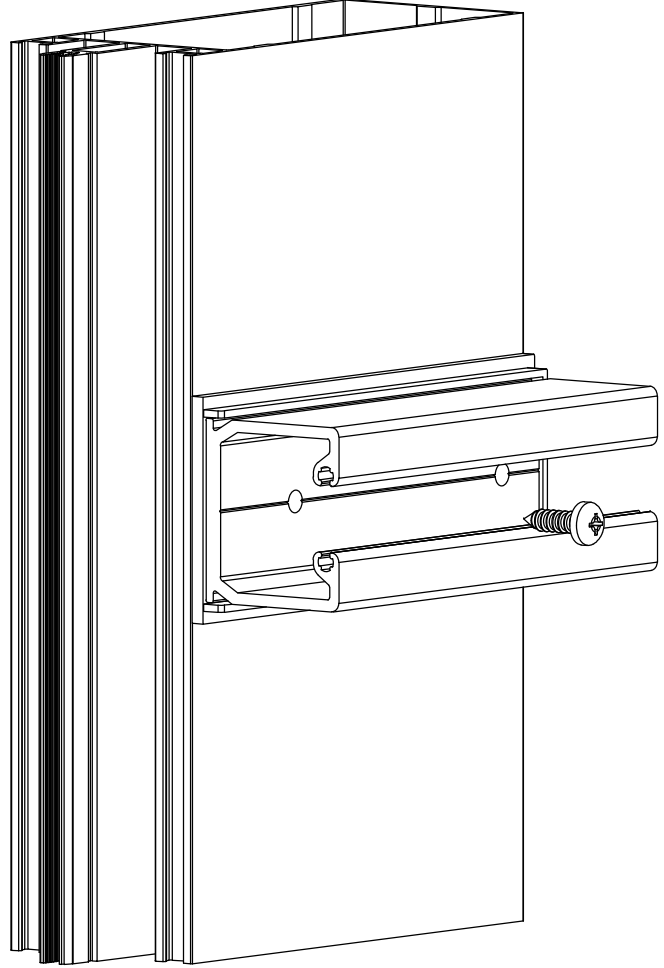




U BAĞLANTILAR / U CONNECTIONS



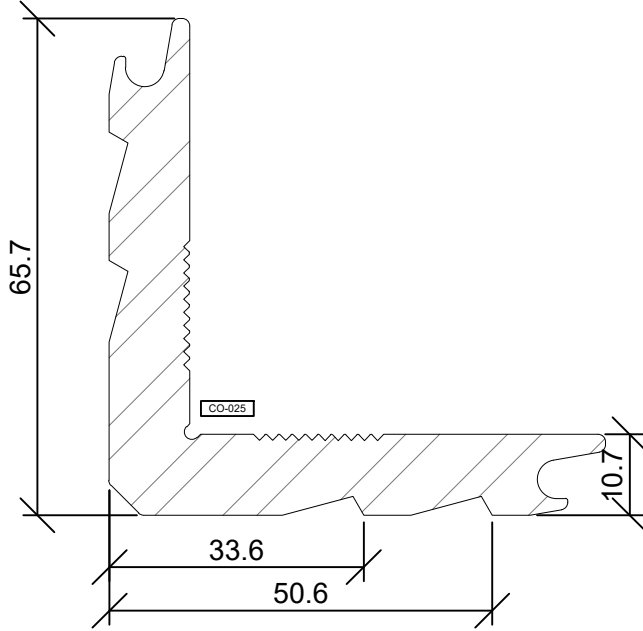
Profil Kodu	FR60-015
Ad	U Bağlantı Profili
Ağırlık	1.237 Kg/m
Kesim Ölçüsü	Değişken



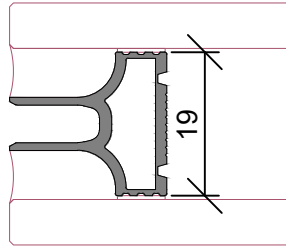
U BAĞLANTILAR / U CONNECTIONS

çizim DRAWING	AKSESUAR KODU ACCESSORY CODE	KULLANILDIĞI PROFİLLER FOR PROFILES	KESİM ÖLÇÜSÜ CUTTING DIMENSION
	50.6FR46	FR60-56T	46 mm
	50.6FR46	FR60-66T	46 mm
	50.6FR76	FR60-86T	76 mm
	50.6FR96	FR60-106T	96 mm
	50.6FR116	FR60-126T	116 mm
	50.6FR126	FR60-136T	126 mm
	50.6FR136	FR60-146T	136 mm
	50.6FR145.3	FR60-156T	145,3 mm
	50.6FR155.3	FR60-166T	155,3 mm
	50.6FR175.3	FR60-186T	175,3 mm
	50.6FR195.3	FR60-206T	195,3 mm
	50.6FR215.3	FR60-226T	215,3 mm

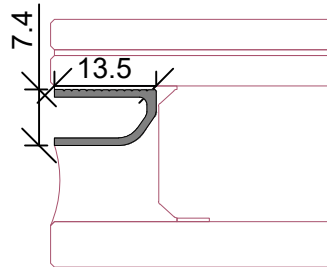




Profil Kodu	FR-025	
Ad	Köşe Takozu	
Ağırlık	2.96 Kg/m	



Profil Kodu	FR-026	
Ad	Cam Arası Profil	
Ağırlık	0.335 Kg/m	



Profil Kodu	FR-027	
Ad	Cam Arası Profil	
Ağırlık	0.083 Kg/m	

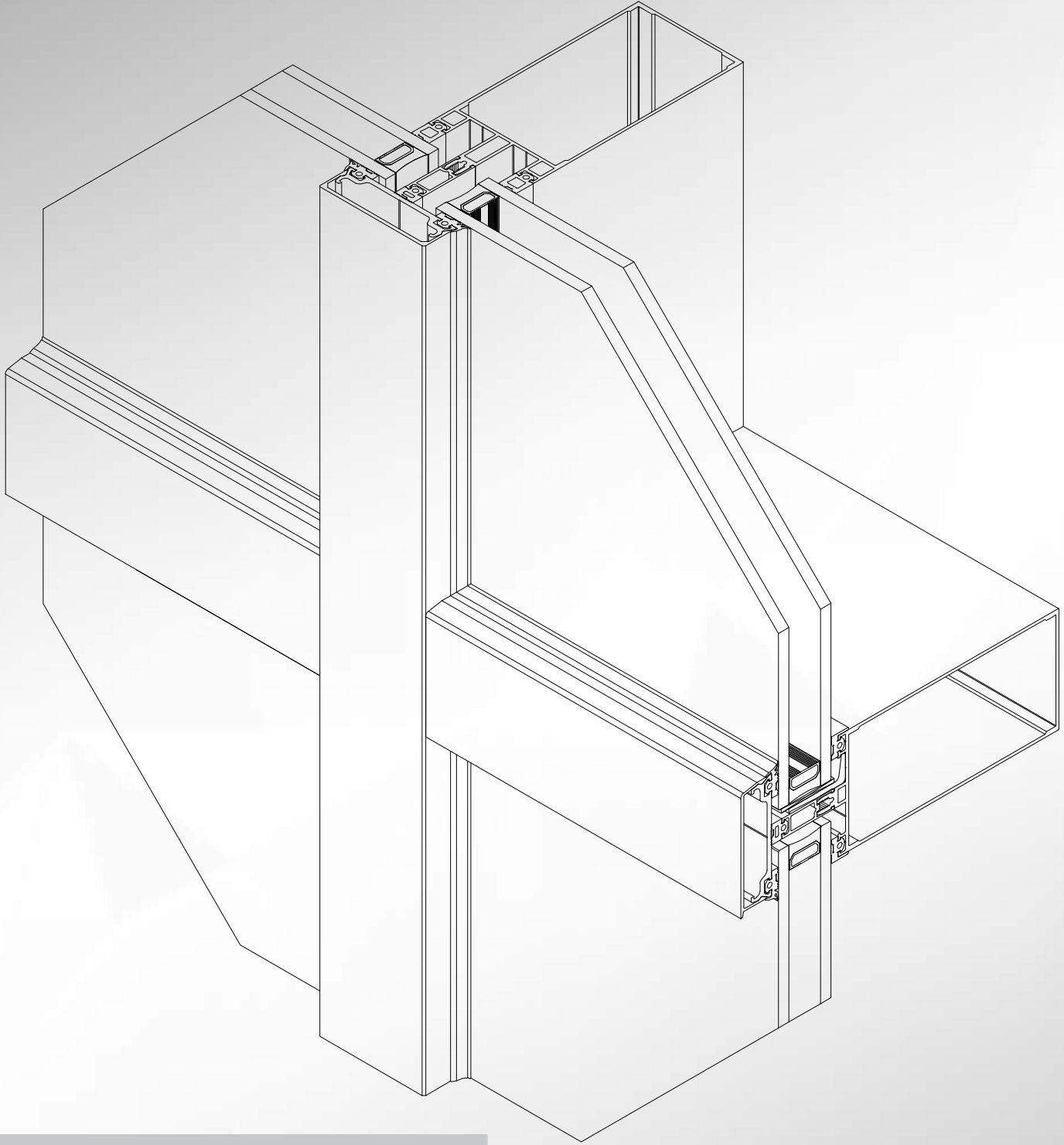




ROUTE
SYSTEMS

FR60

FACADE SYSTEMS



KAPAKLI CEPHE DETALARI/

CURTAIN WALL DETAILS



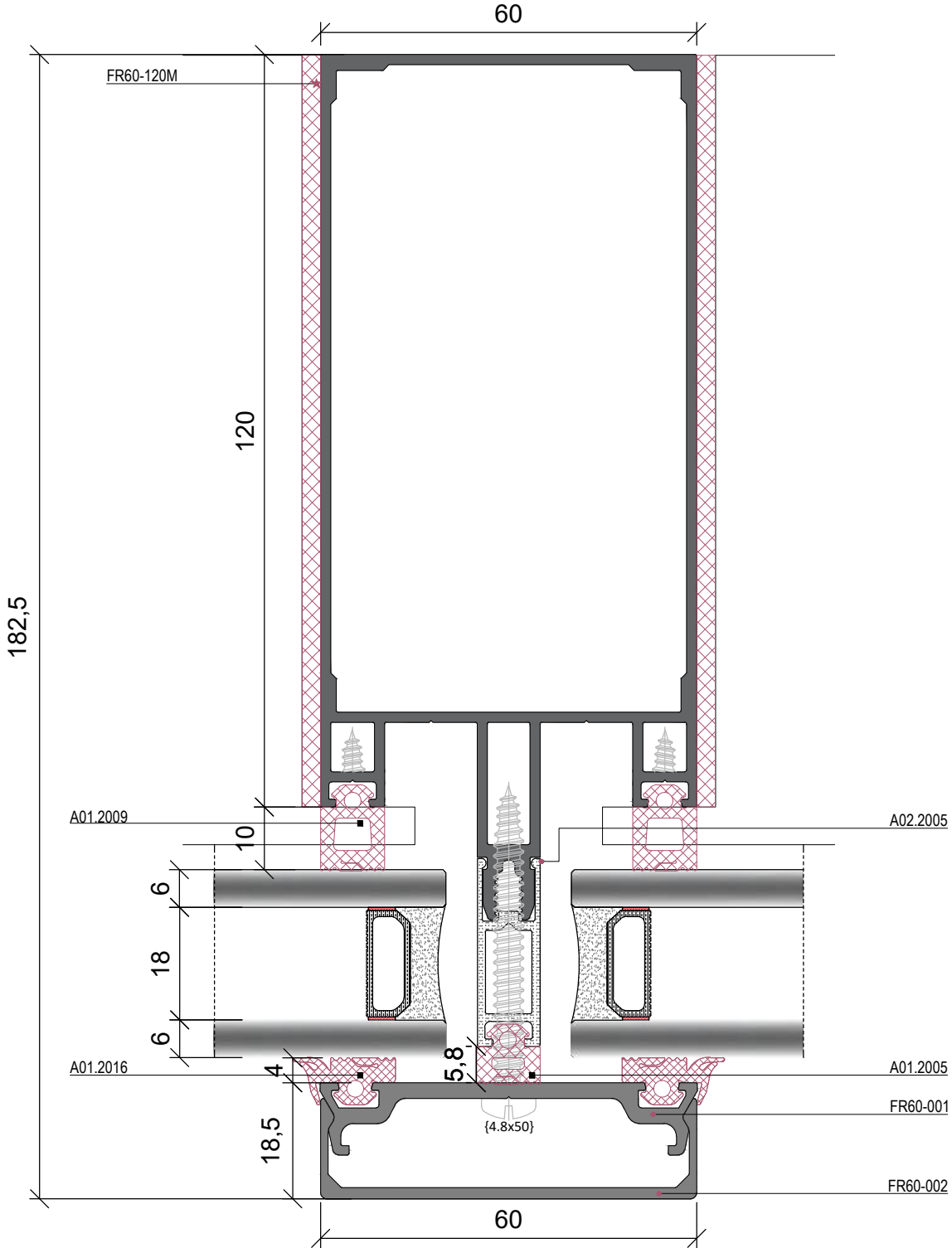
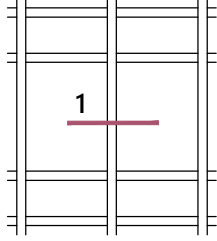
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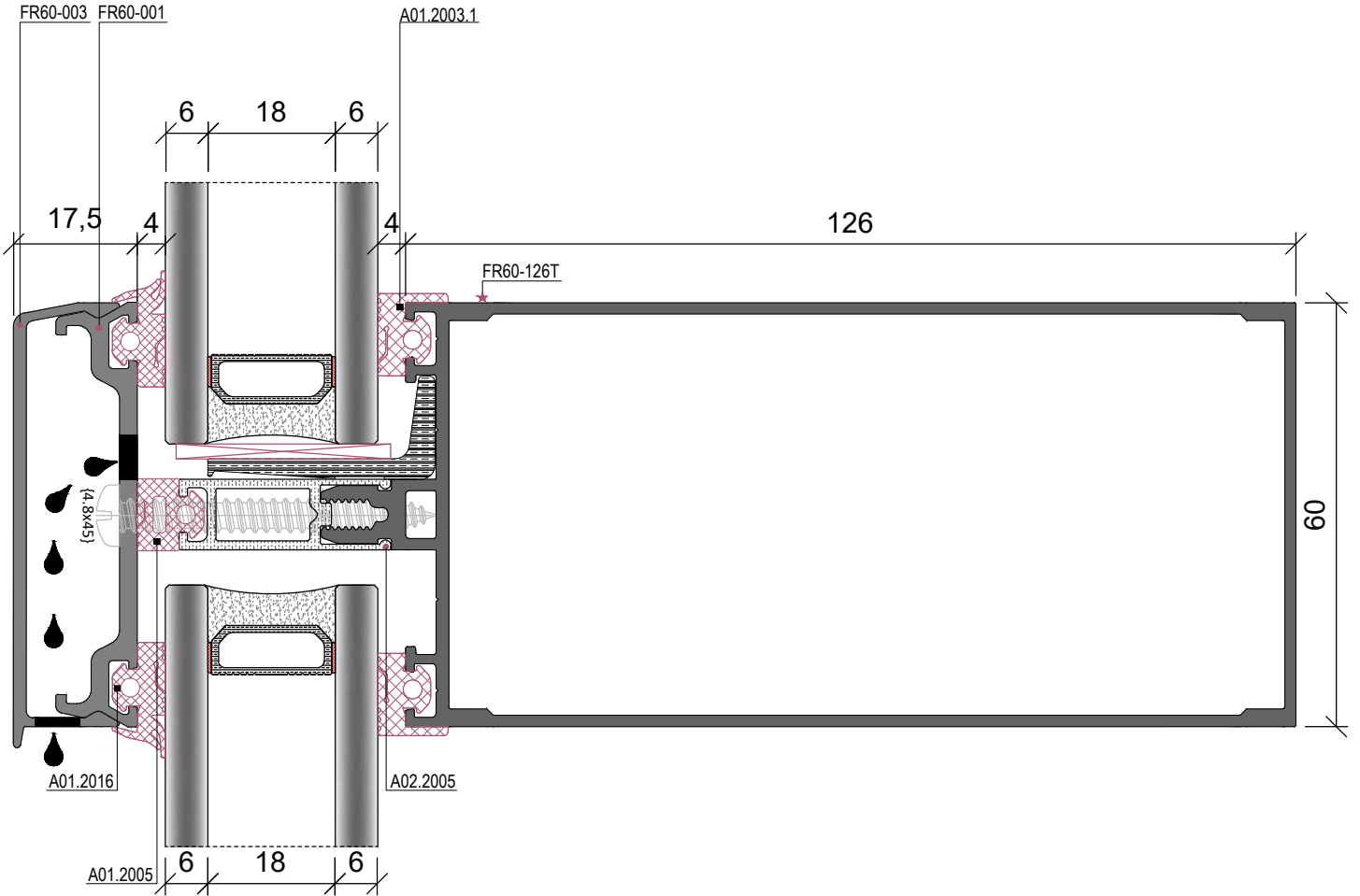
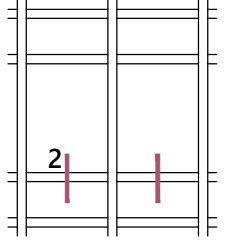


KAPAKLI CEPHE DÜŞEY DETAYI CURTAIN WALL VERTICAL DETAIL



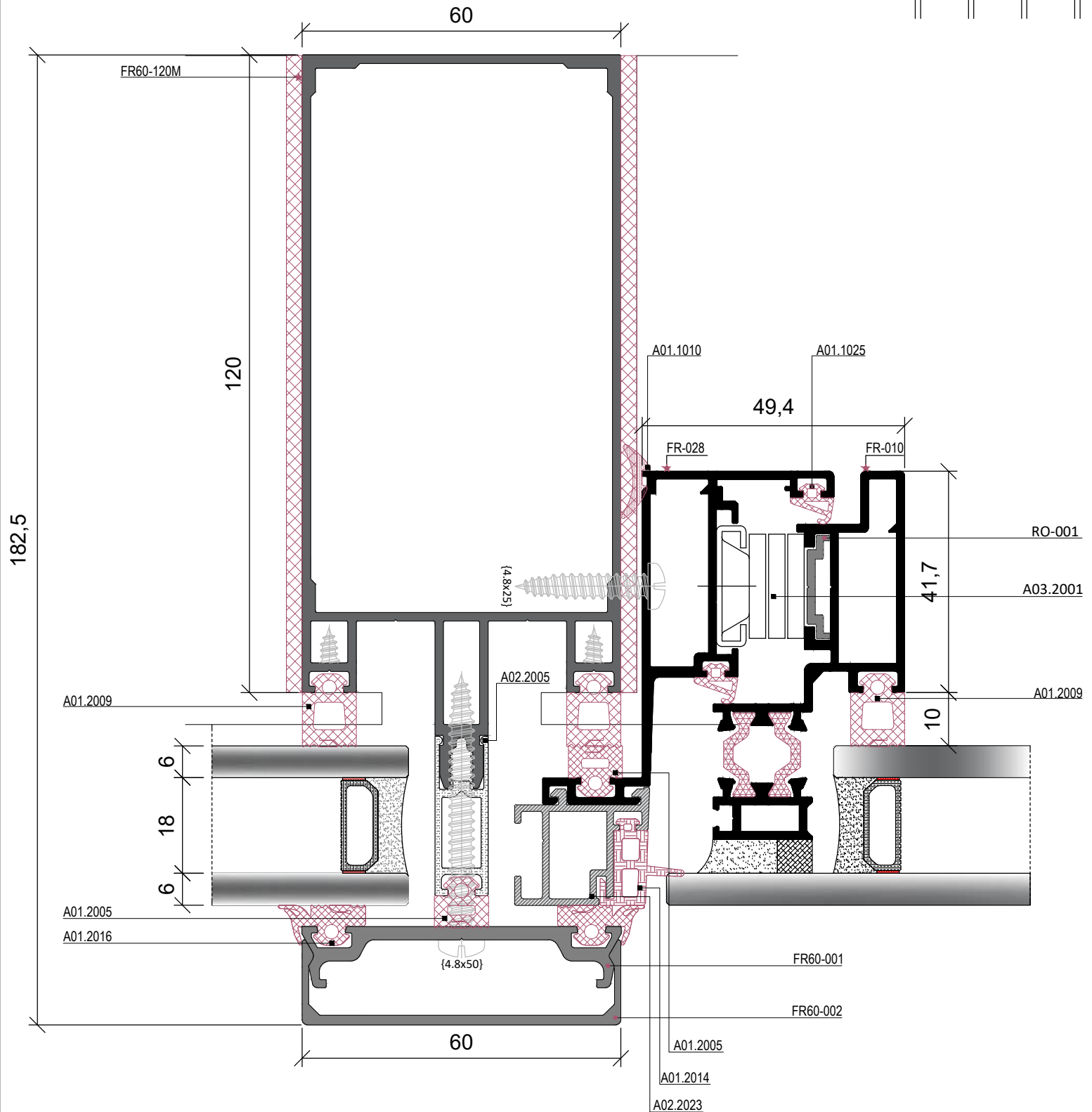
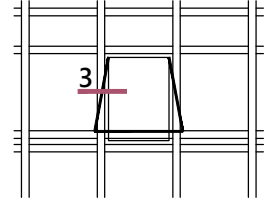


KAPAKLI CEPHE YATAY DETAYI CURTAIN WALL HORIZONTAL DETAIL



KAPAKLI CEPHEDE DIŞA AÇILIR KANAT DETAYI

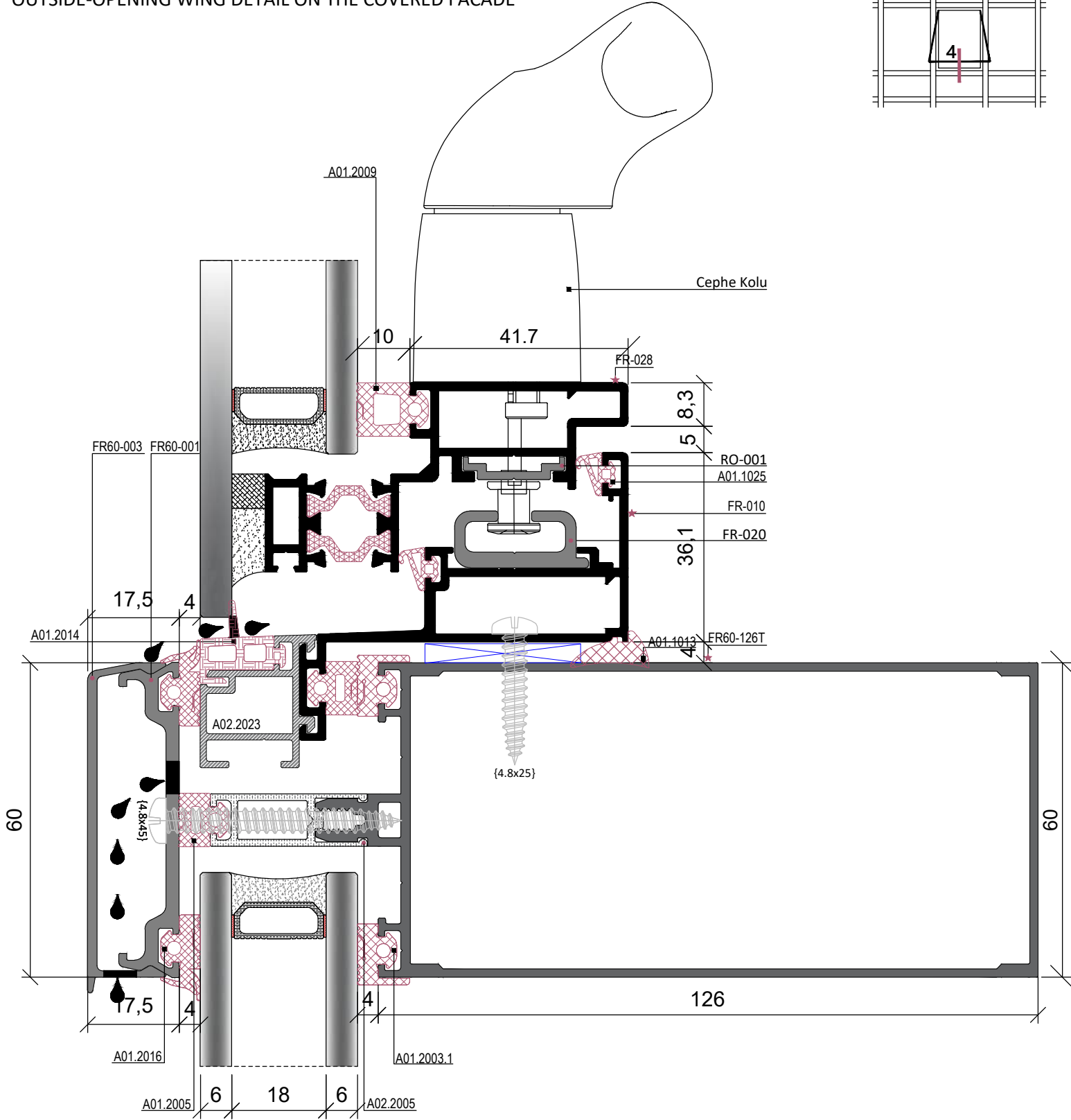
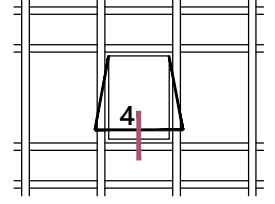
OUTSIDE-OPENING WING DETAIL ON THE COVERED FACADE





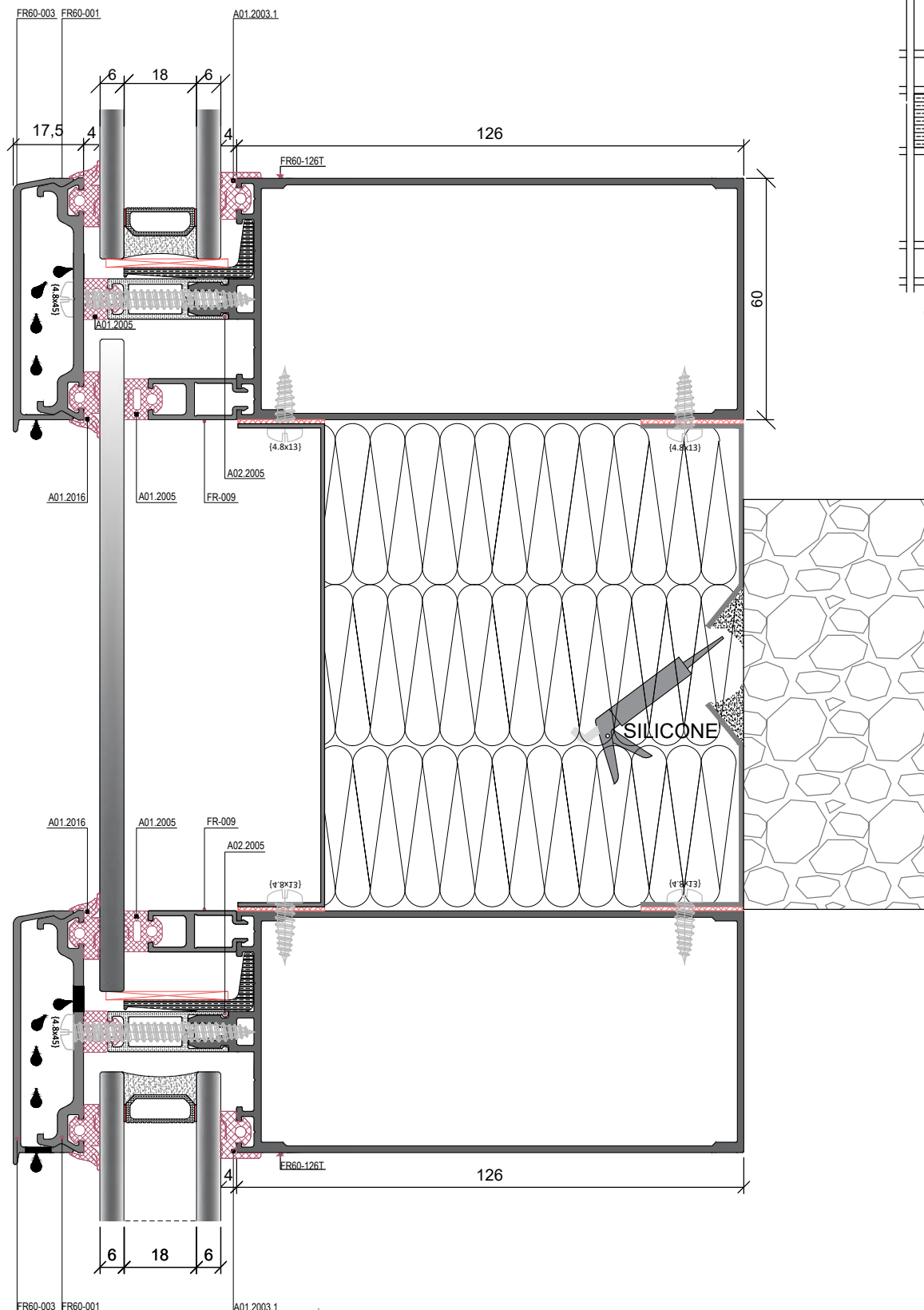
KAPAKLI CEPHEDE DIŐA AÇILIR KANAT DETAYI

OUTSIDE-OPENING WING DETAIL ON THE COVERED FACADE



KAPAKLI CEPHEDE SPANDREL BÖLGE YATAY DETAYI

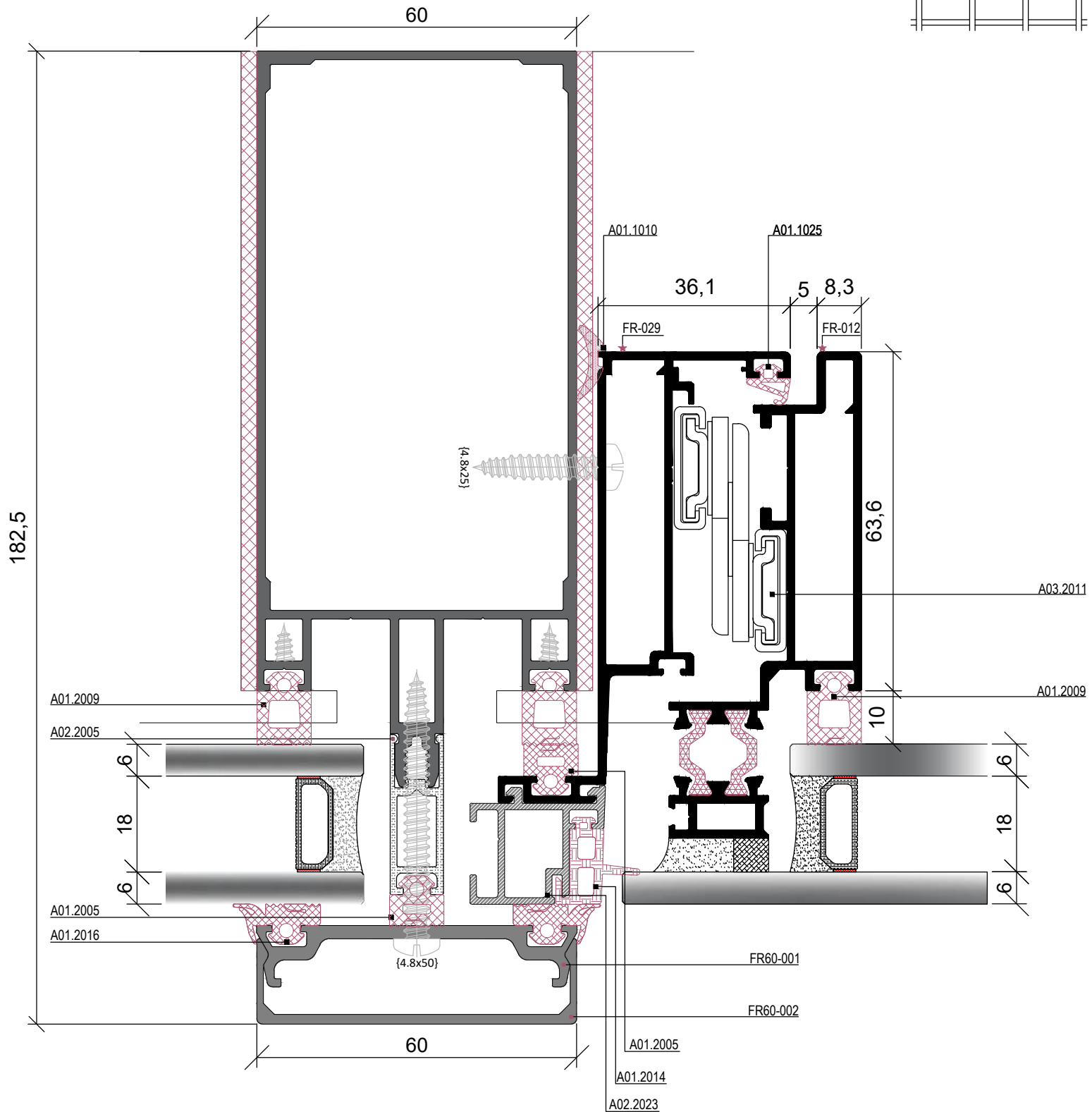
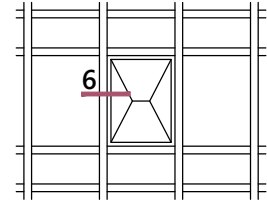
SPANDREL PANEL IN CAPPED CURTAIN WALL HORIZONTAL DETAIL



! ÖLÇEK: 2/3

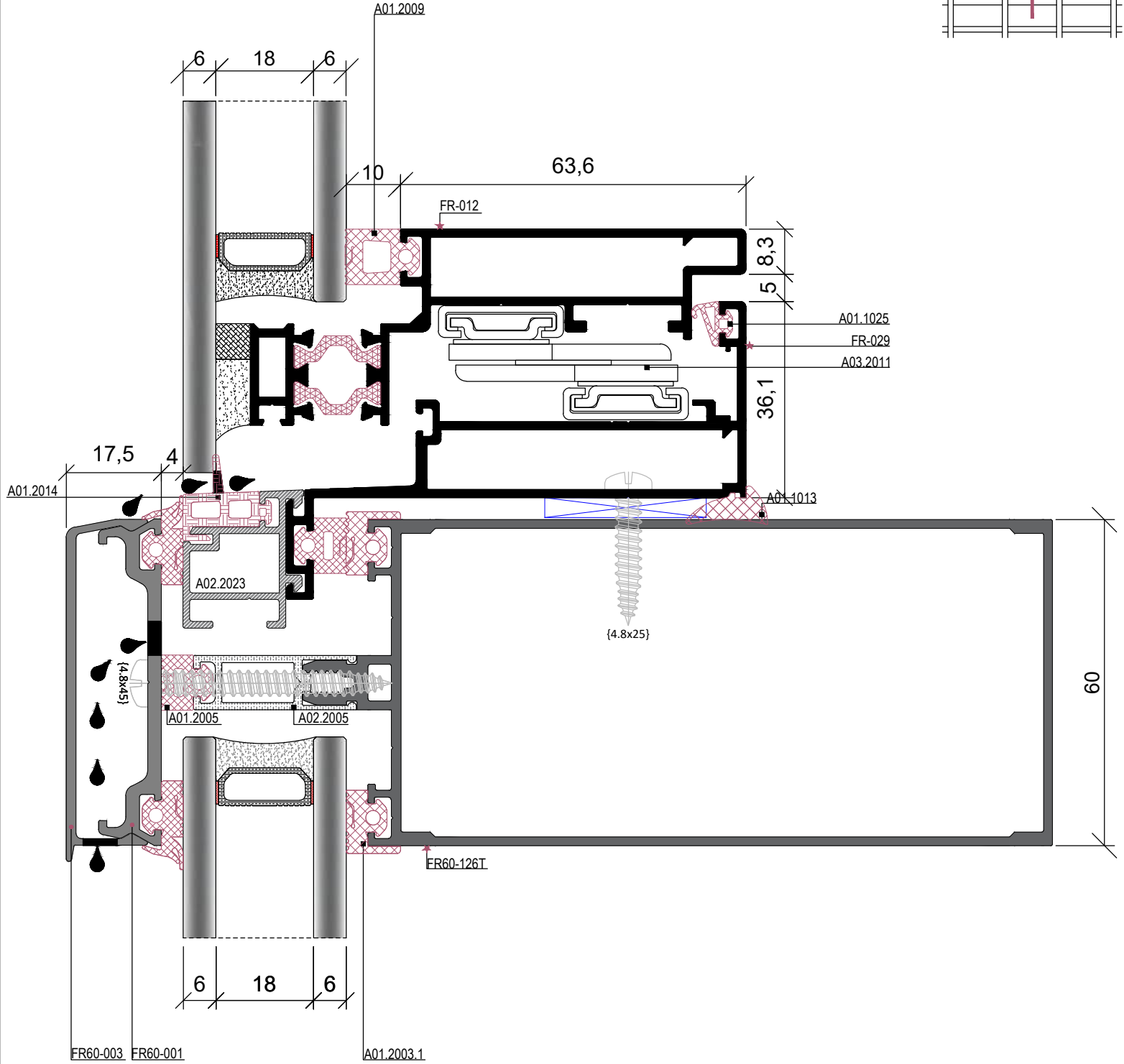
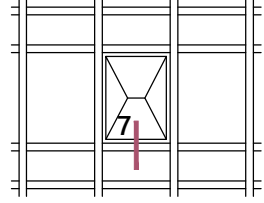
KAPAKLI CEPHEDE PARELEL AÇILIR KANAT DETAYI

PARALLEL OPENING WING DETAIL ON THE COVERED FACADE





KAPAKLI CEPHEDE PARELEL AÇILIR KANAT DETAYI PARALLEL OPENING WING DETAIL ON THE COVERED FACADE

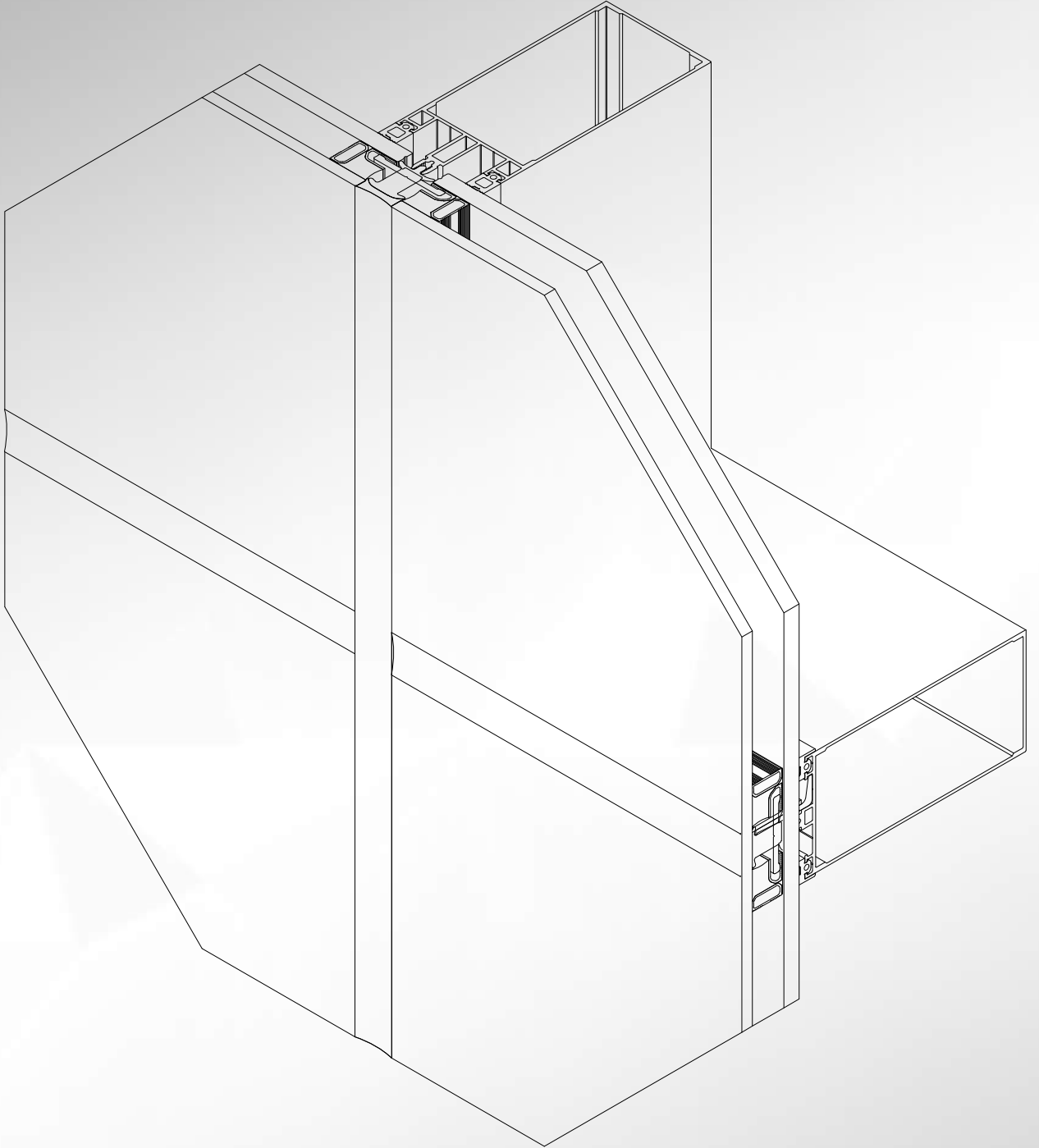




ROUTE
SYSTEMS

FR60

FACADE SYSTEMS



1. SİLİKON DERZLİ CAM CEPHE DETALARI/

FOUR SIDED SILICONE CURTAIN WALL DETAILS



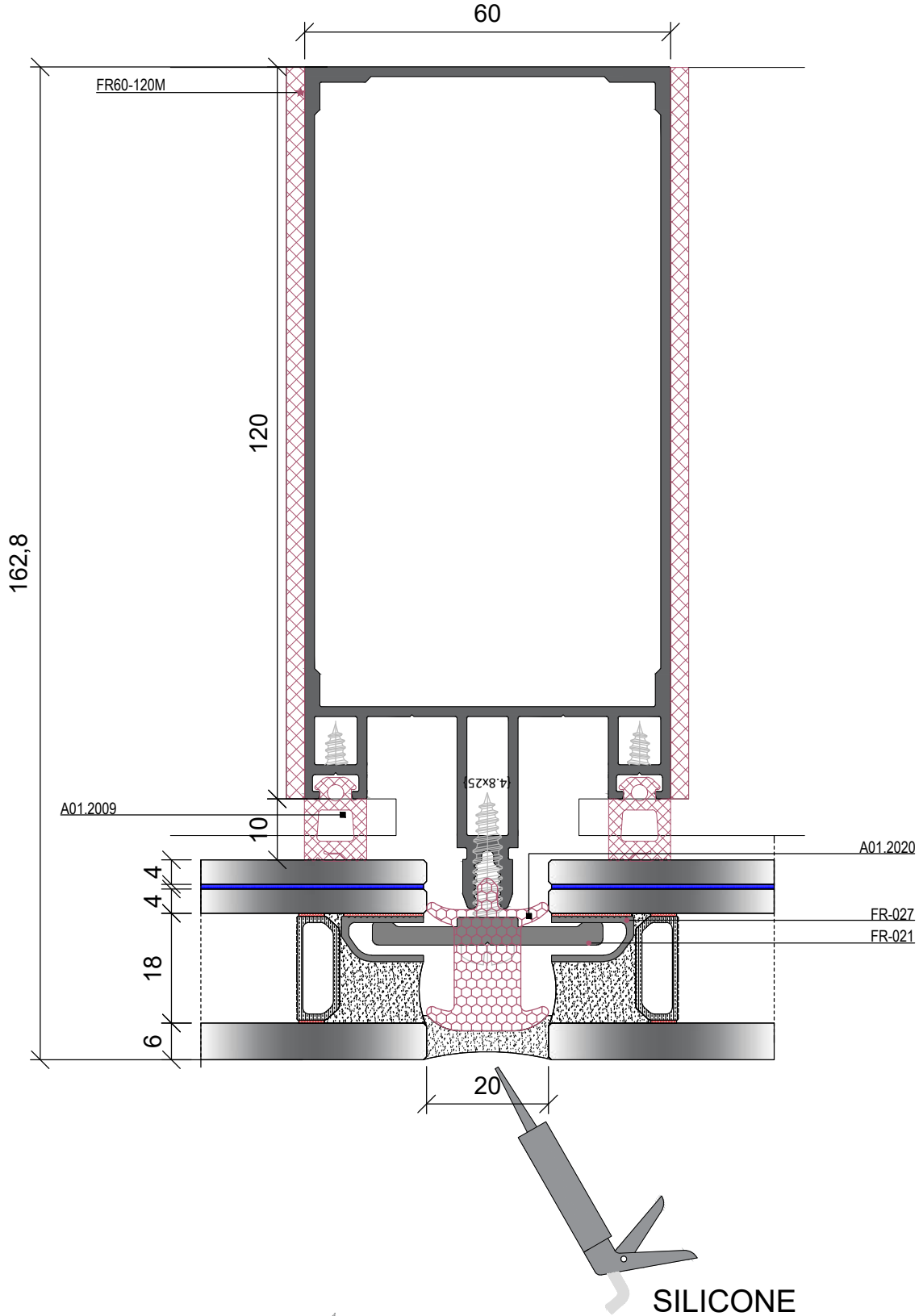
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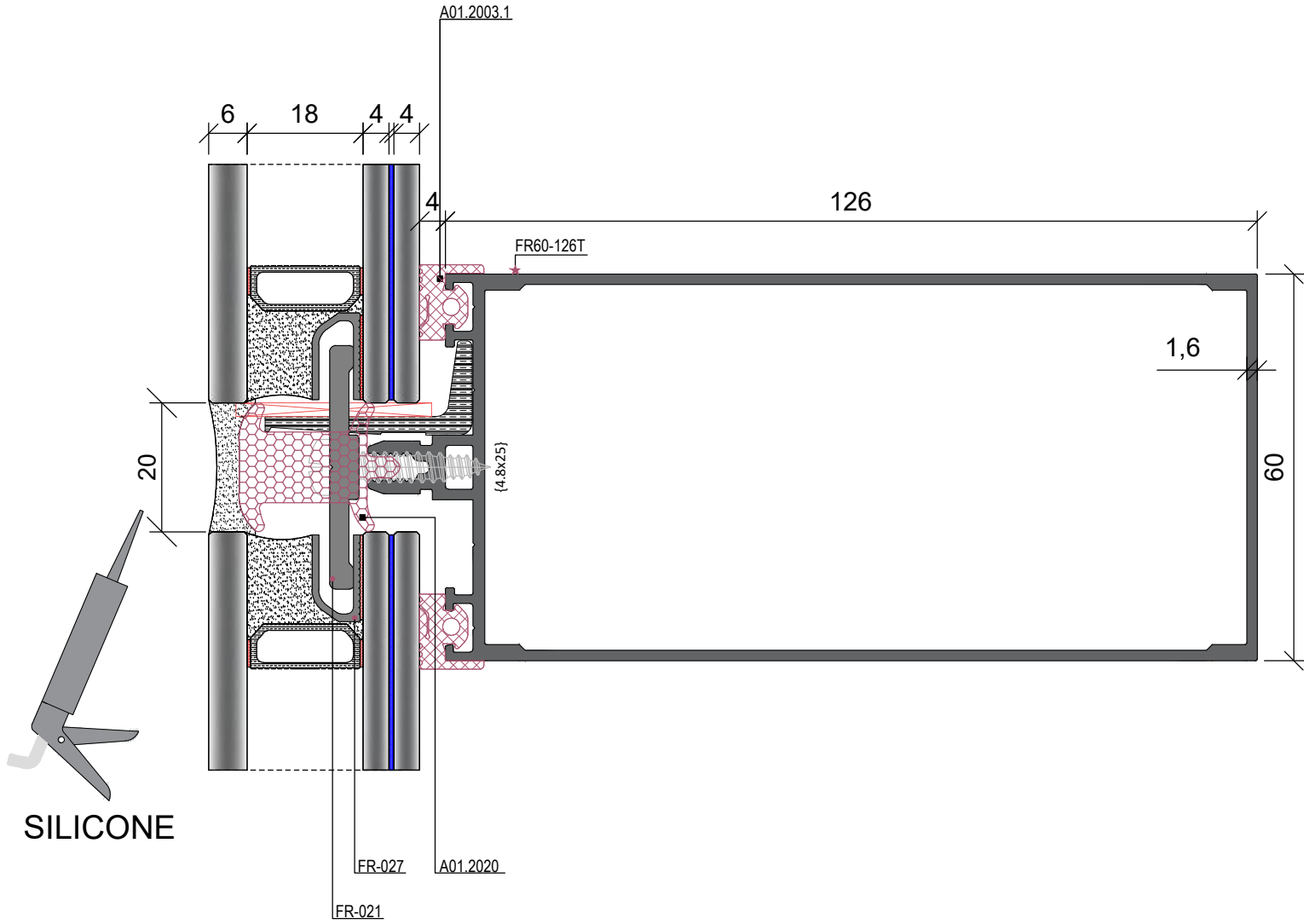
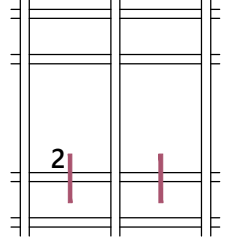


SİLİKON CEPHE DÜŞEY DETAYI
CURTAIN WALL VERTICAL DETAIL



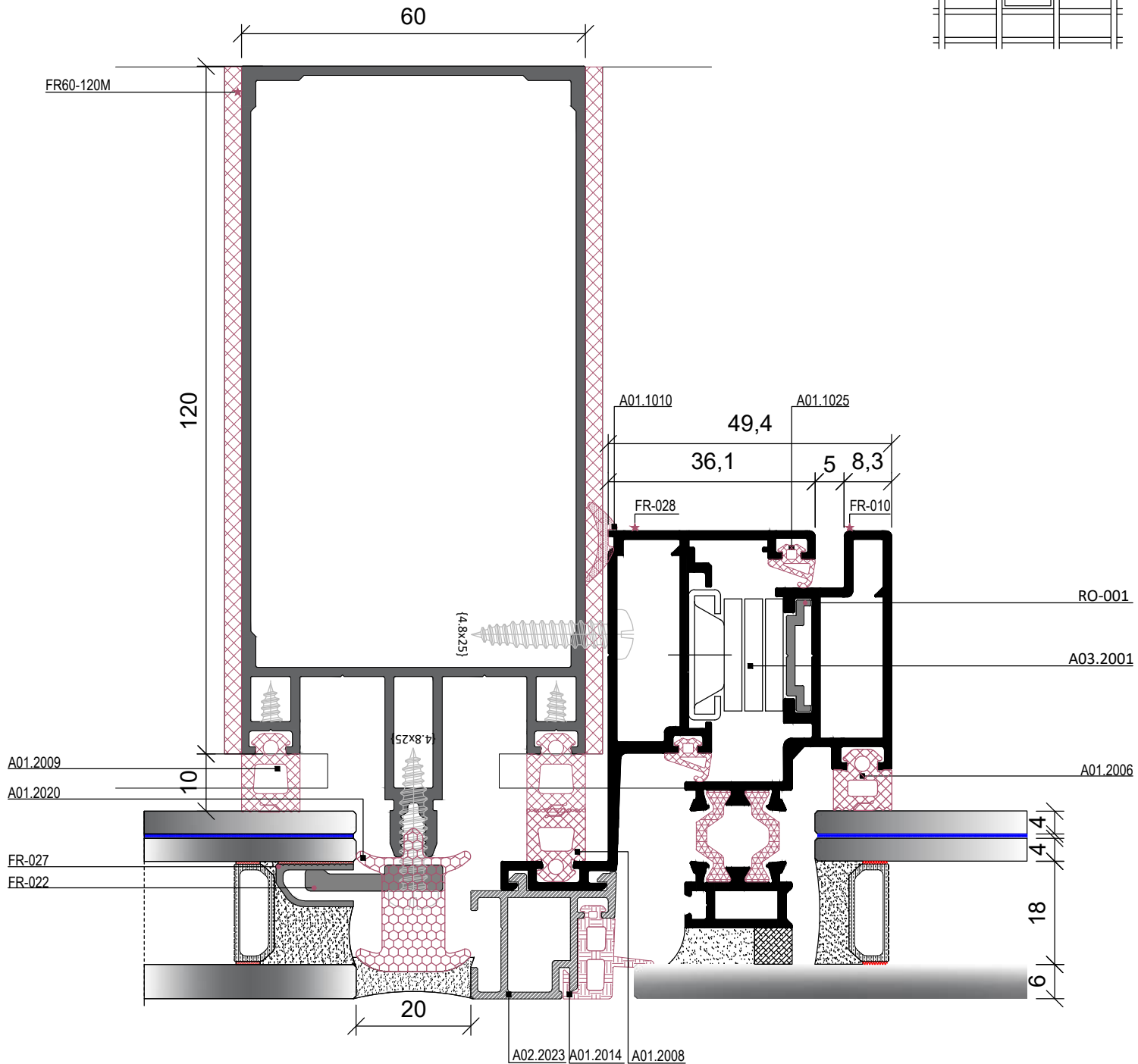
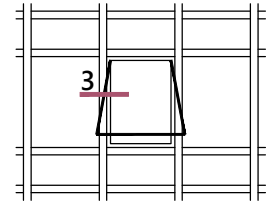


SİLİKON CEPHE YATAY DETAYI CURTAIN WALL HORIZONTAL DETAIL



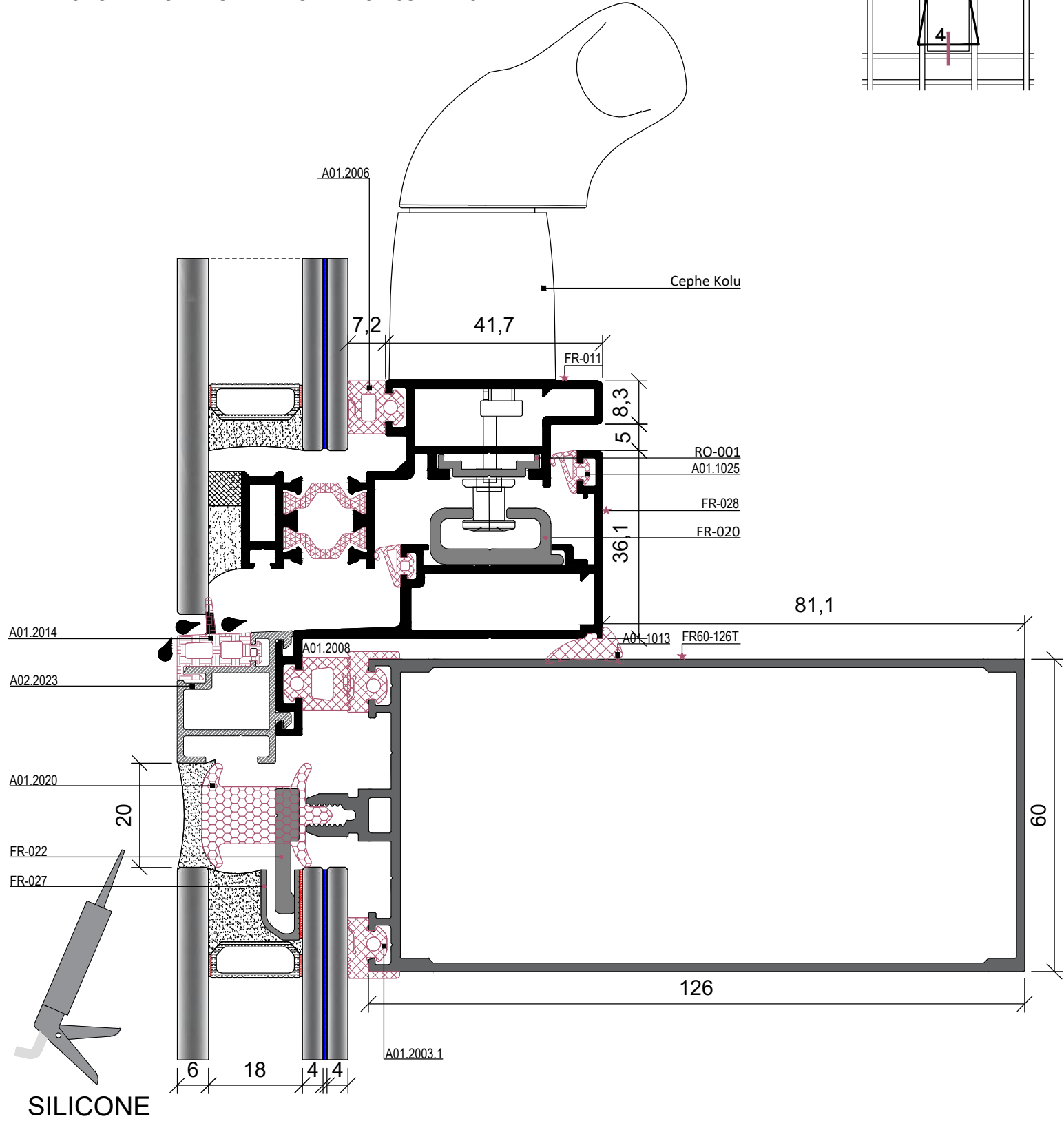
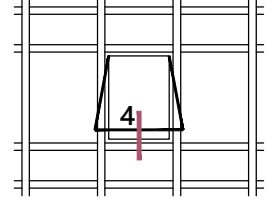
SİLİKON CEPHEDE DIŞA AÇILIR KANAT DETAYI

REVERSE OPENING WING DETAIL ON THE SILICONE FACADE



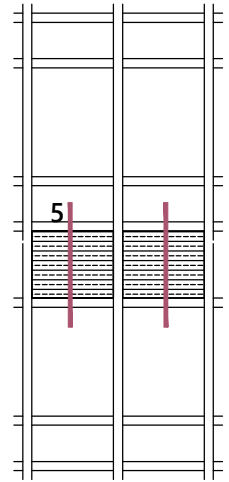
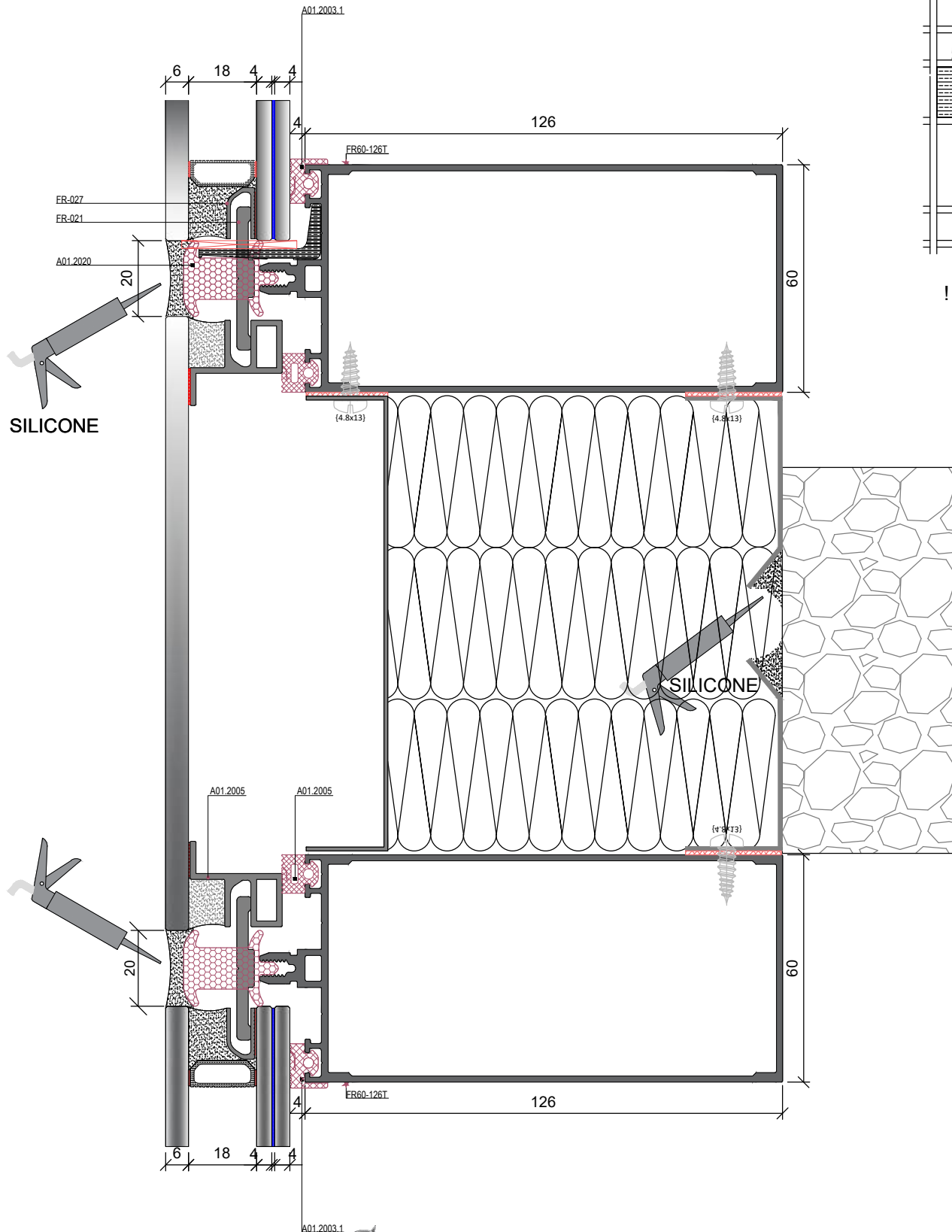


SİLİKON CEPHEDE DIŞA AÇILIR KANAT DETAYI REVERSE OPENING WING DETAIL ON THE SILICONE FACADE



SİLİKON CEPHE SPANDREL BÖLGE DETAYI

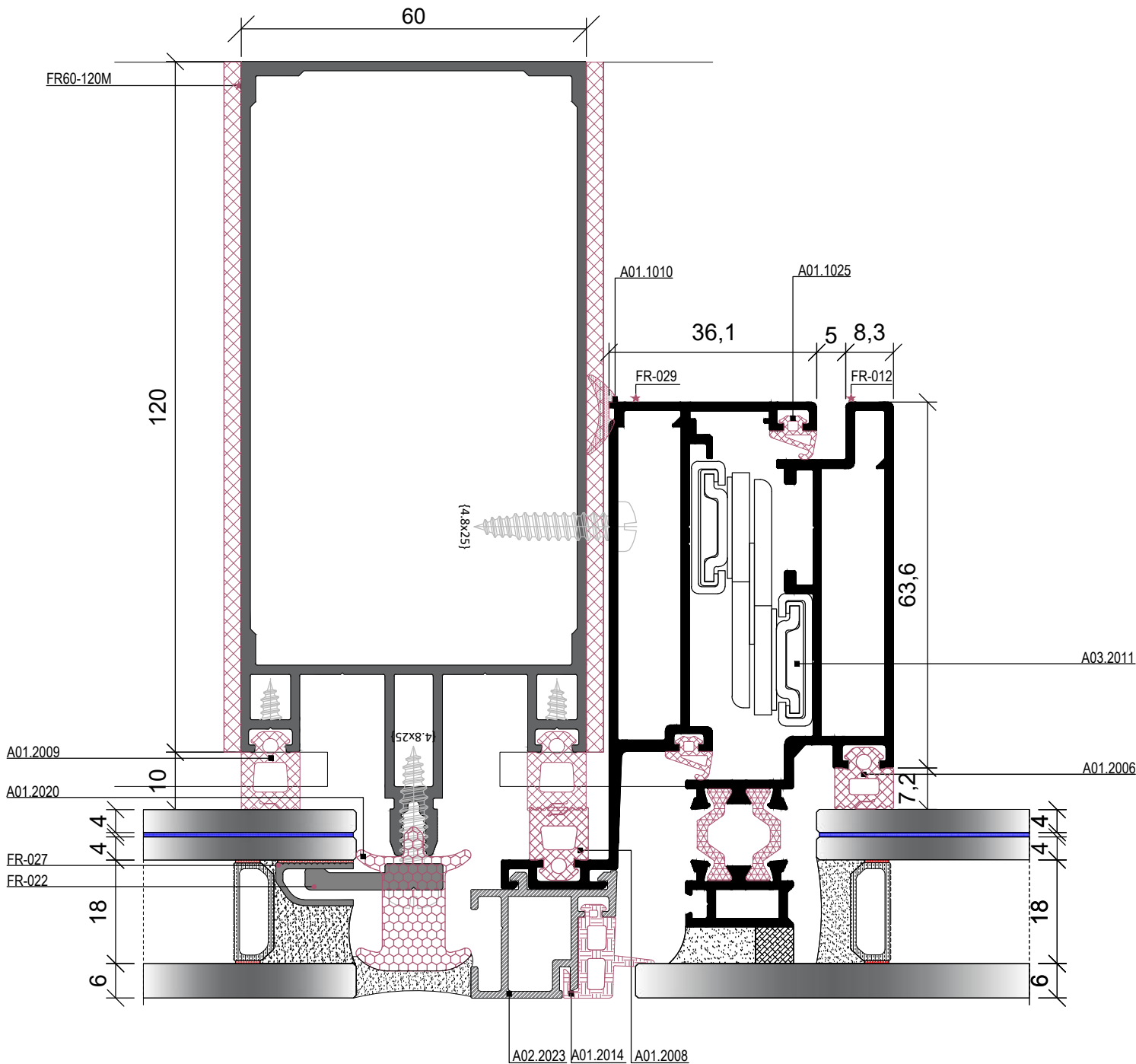
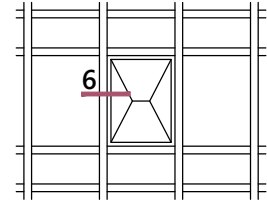
SILICONE FACADE SPANDREL AREA DETAIL



! ÖLÇEK: 2/3

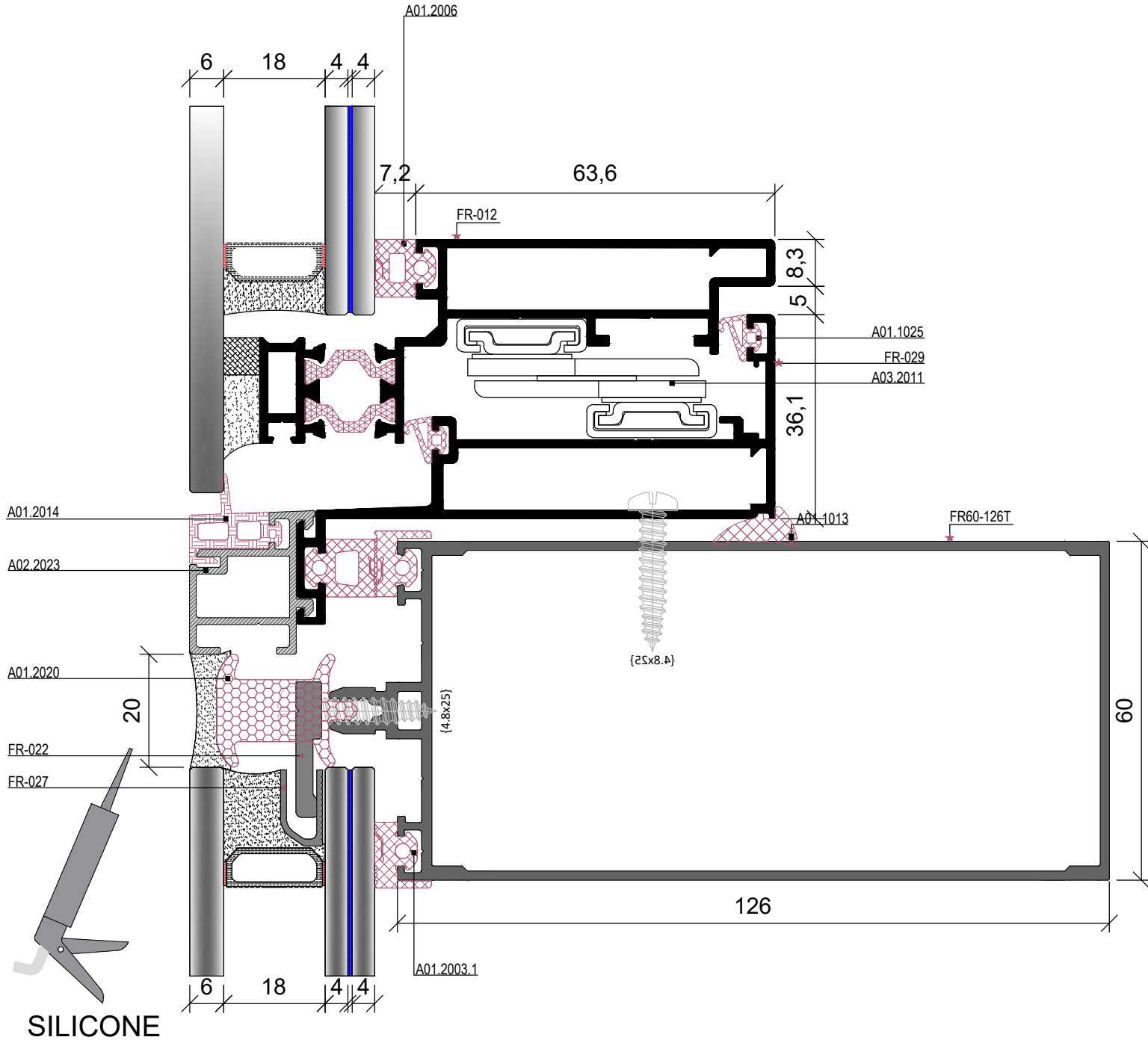
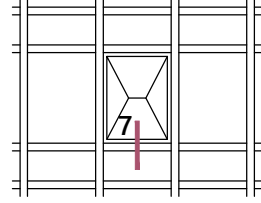
KAPAKLI CEPHEDE PARELEL AÇILIR KANAT DETAYI

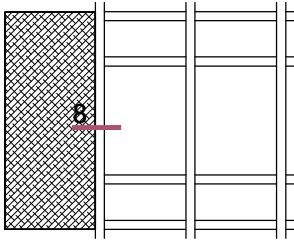
PARALLEL OPENING WING DETAIL ON THE COVERED FACADE





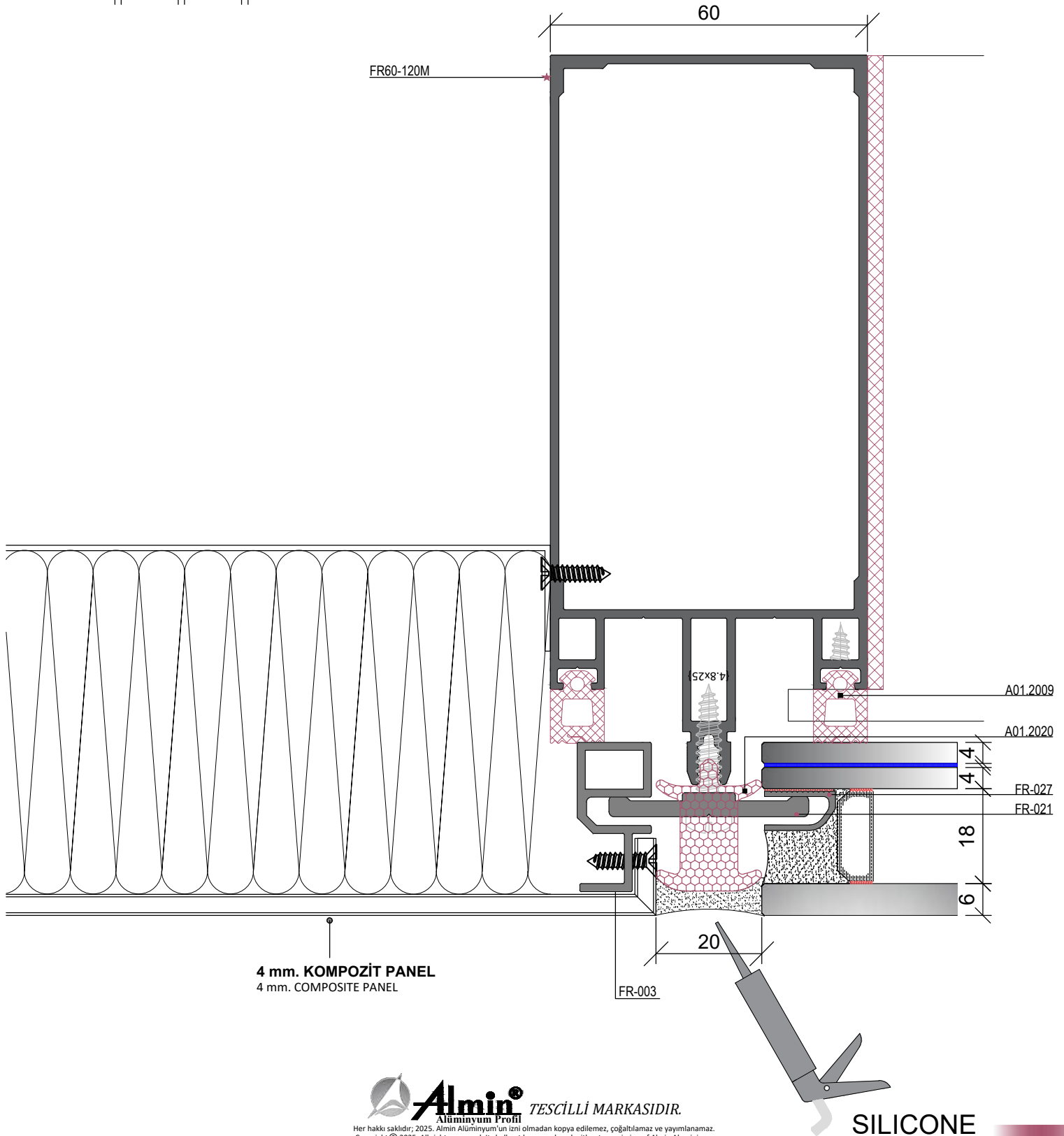
KAPAKLI CEPHEDE PARELEL AÇILIR KANAT DETAYI PARALLEL OPENING WING DETAIL ON THE COVERED FACADE





SİLİKON CEPHE KOMPOZİT DETAYI

SILICONE FACADE COMPOSITE DETAIL



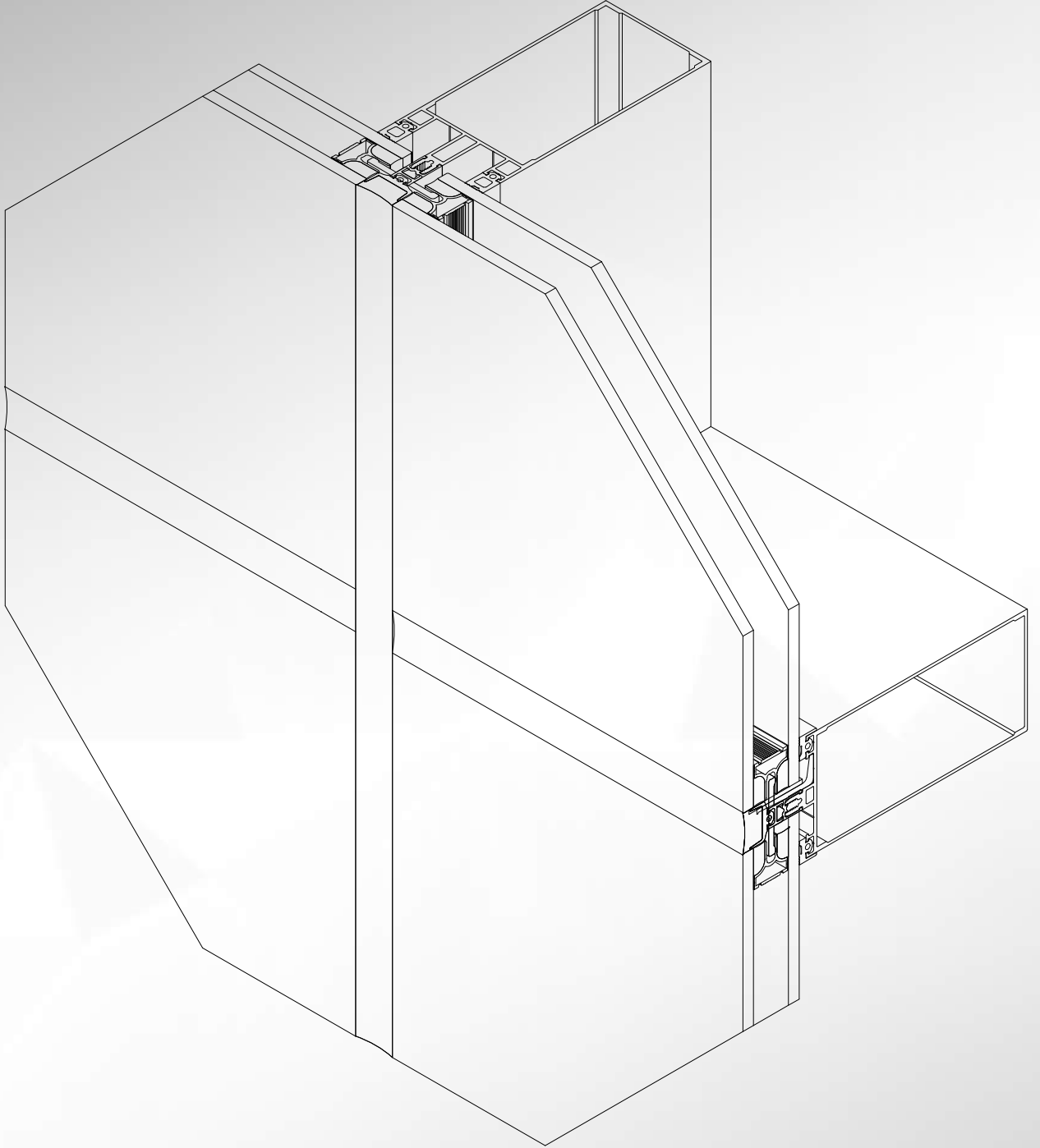
SILICONE



ROUTE
SYSTEMS

FR60

FACADE SYSTEMS



2. SİLİKON DERZLİ CAM CEPHE DETALARI/

FOUR SIDED SILICONE CURTAIN WALL DETAILS



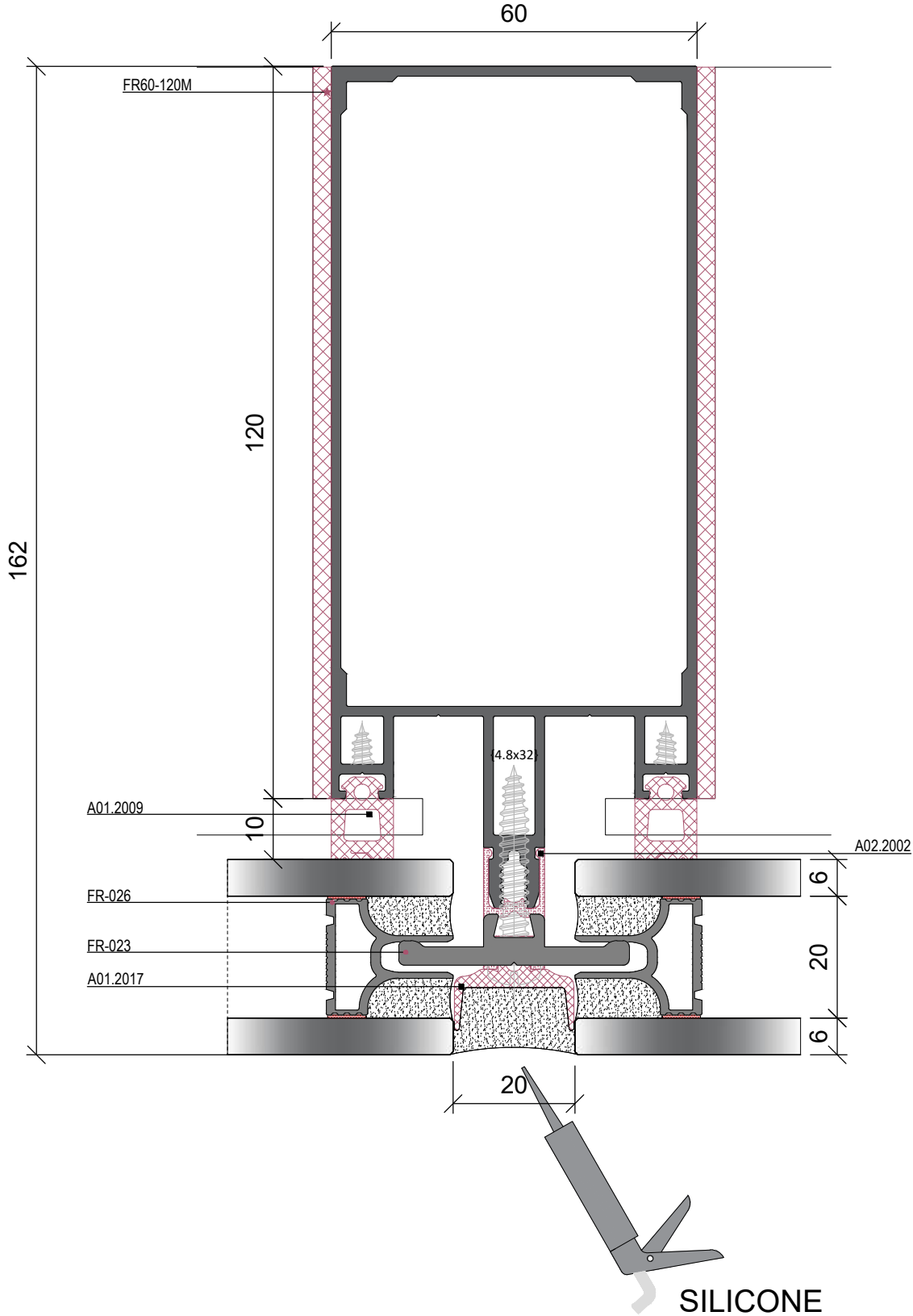
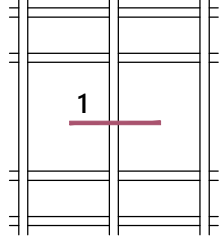
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SİLİKON CEPHE DÜŞEY DETAYI
CURTAIN WALL VERTICAL DETAIL



SILICONE



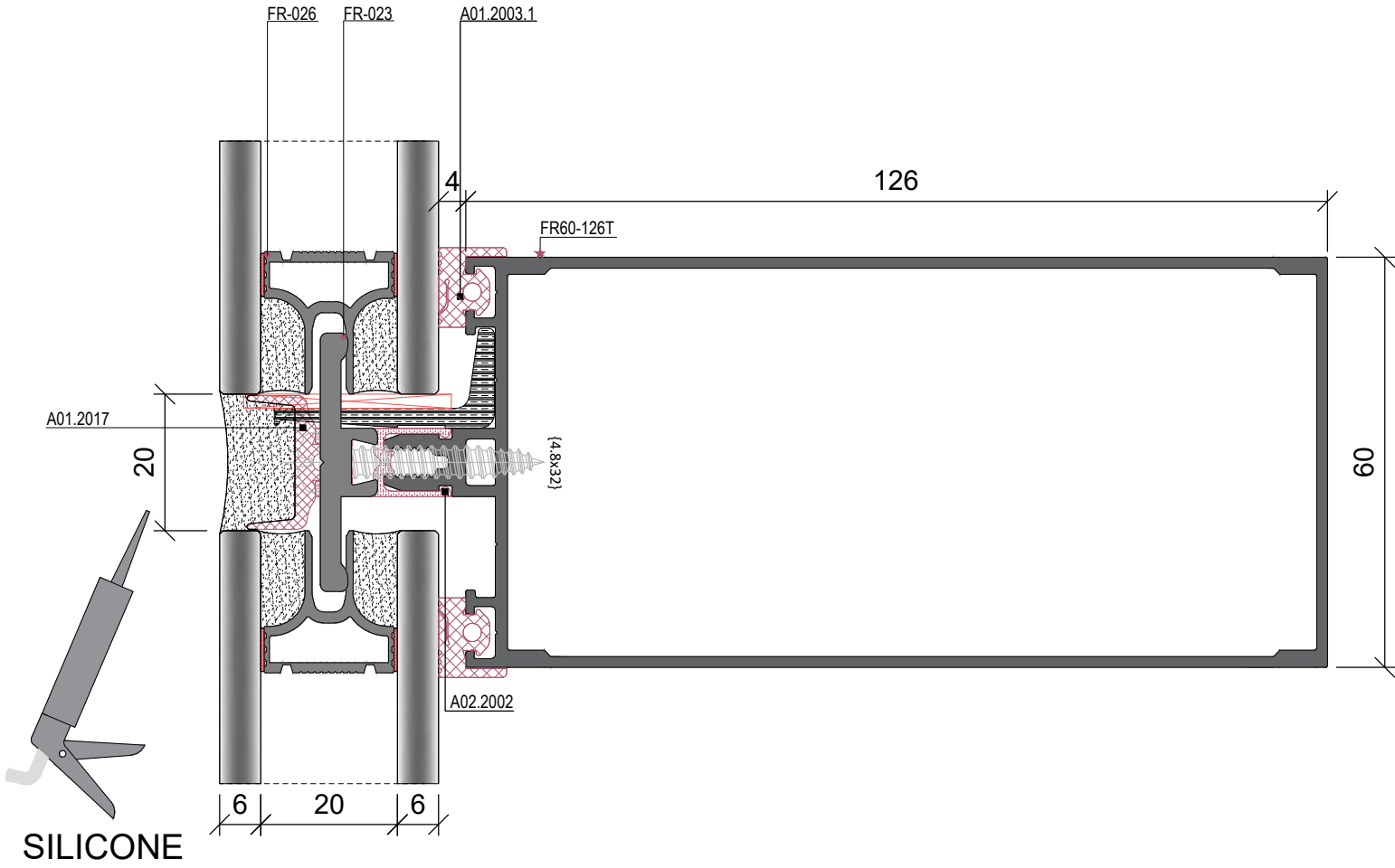
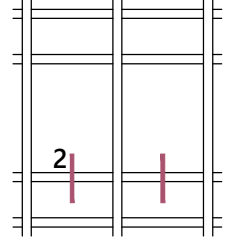
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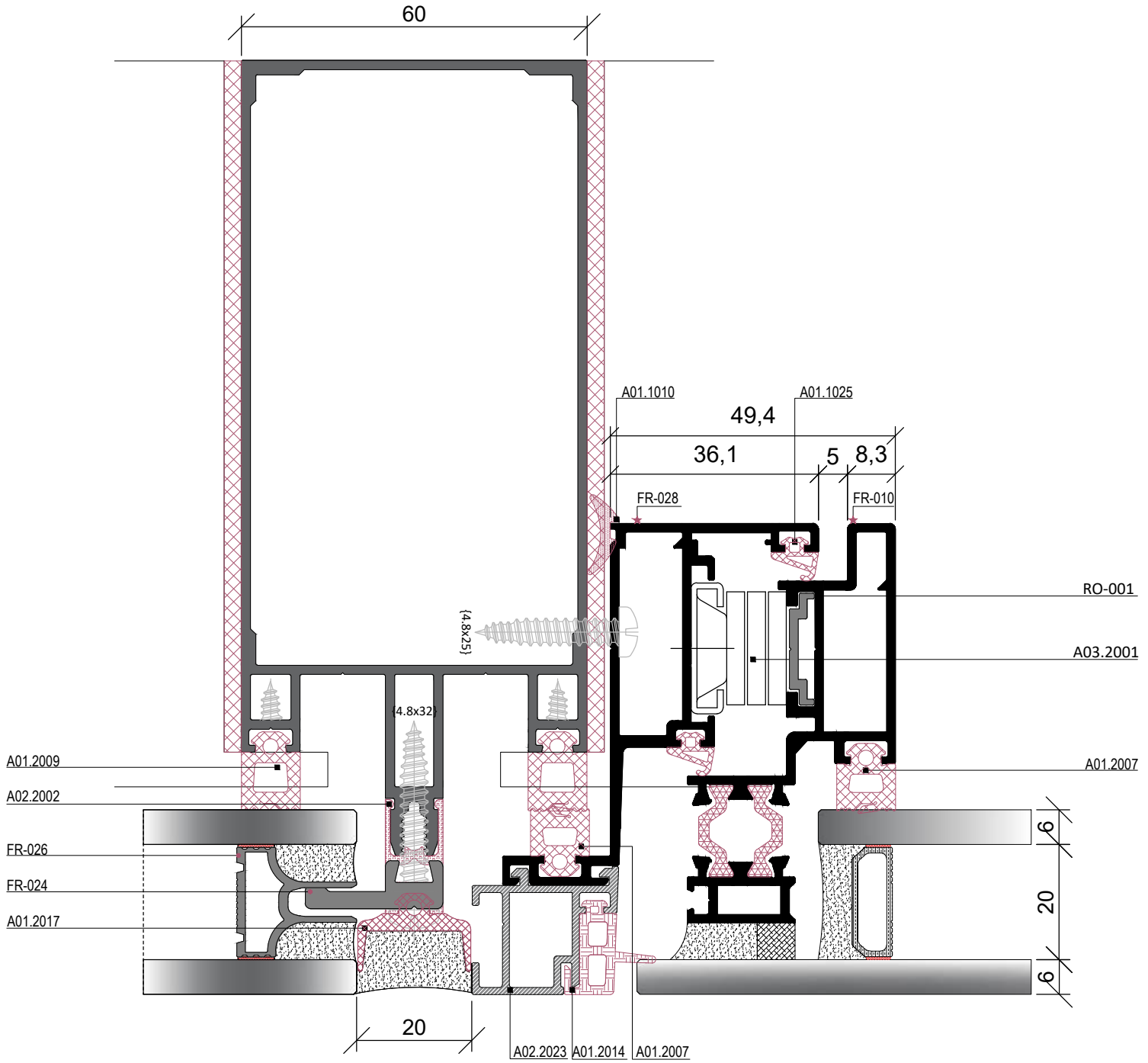
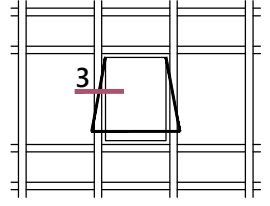


SİLİKON CEPHE YATAY DETAYI CURTAIN WALL HORIZONTAL DETAIL



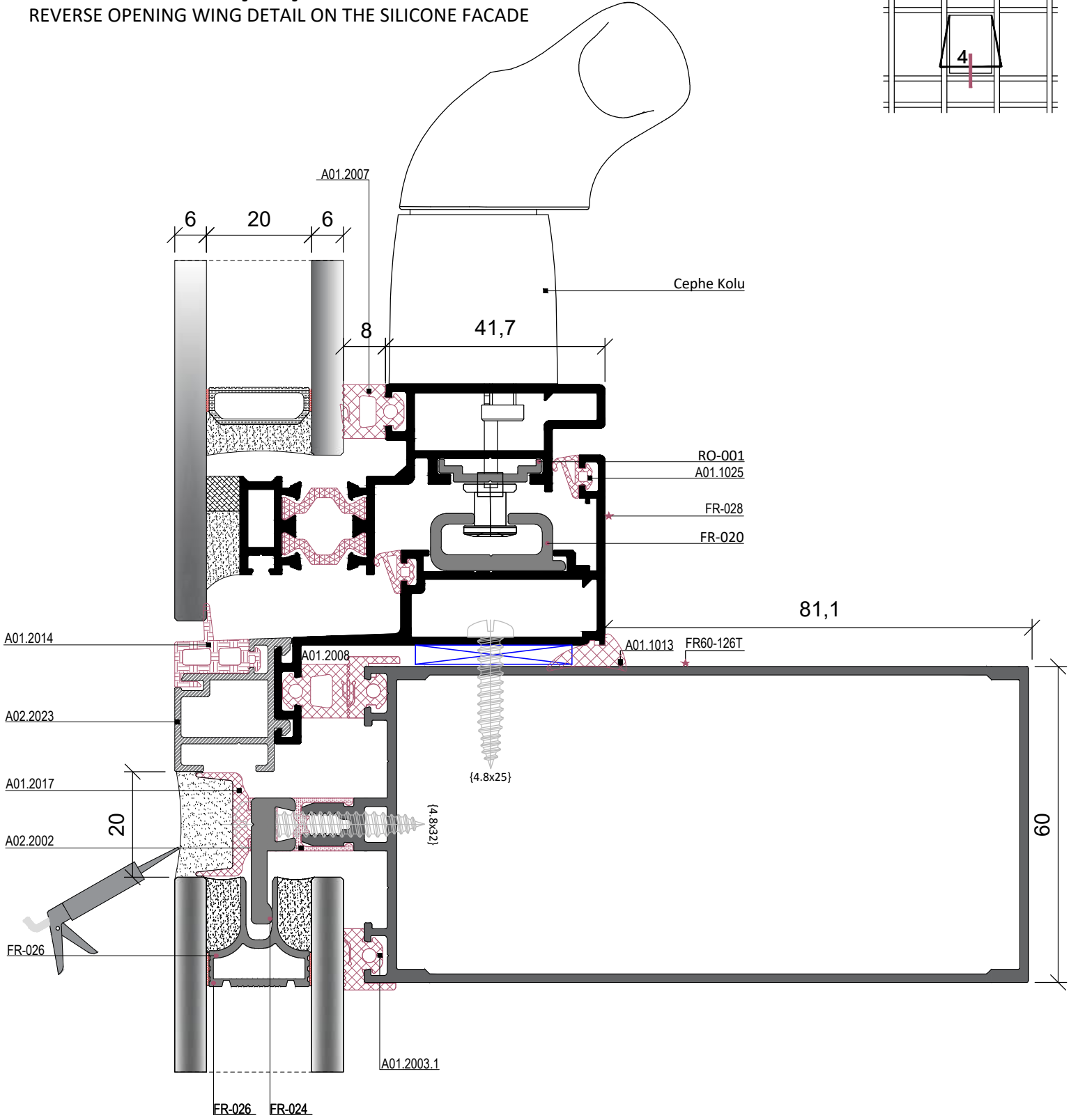
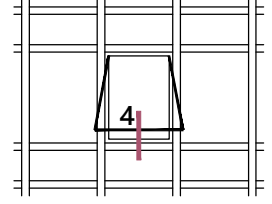


SİLİKON CEPHEDE DIŞA AÇILIR KANAT DETAYI REVERSE OPENING WING DETAIL ON THE SILICONE FACADE





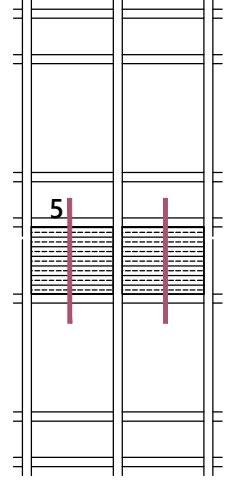
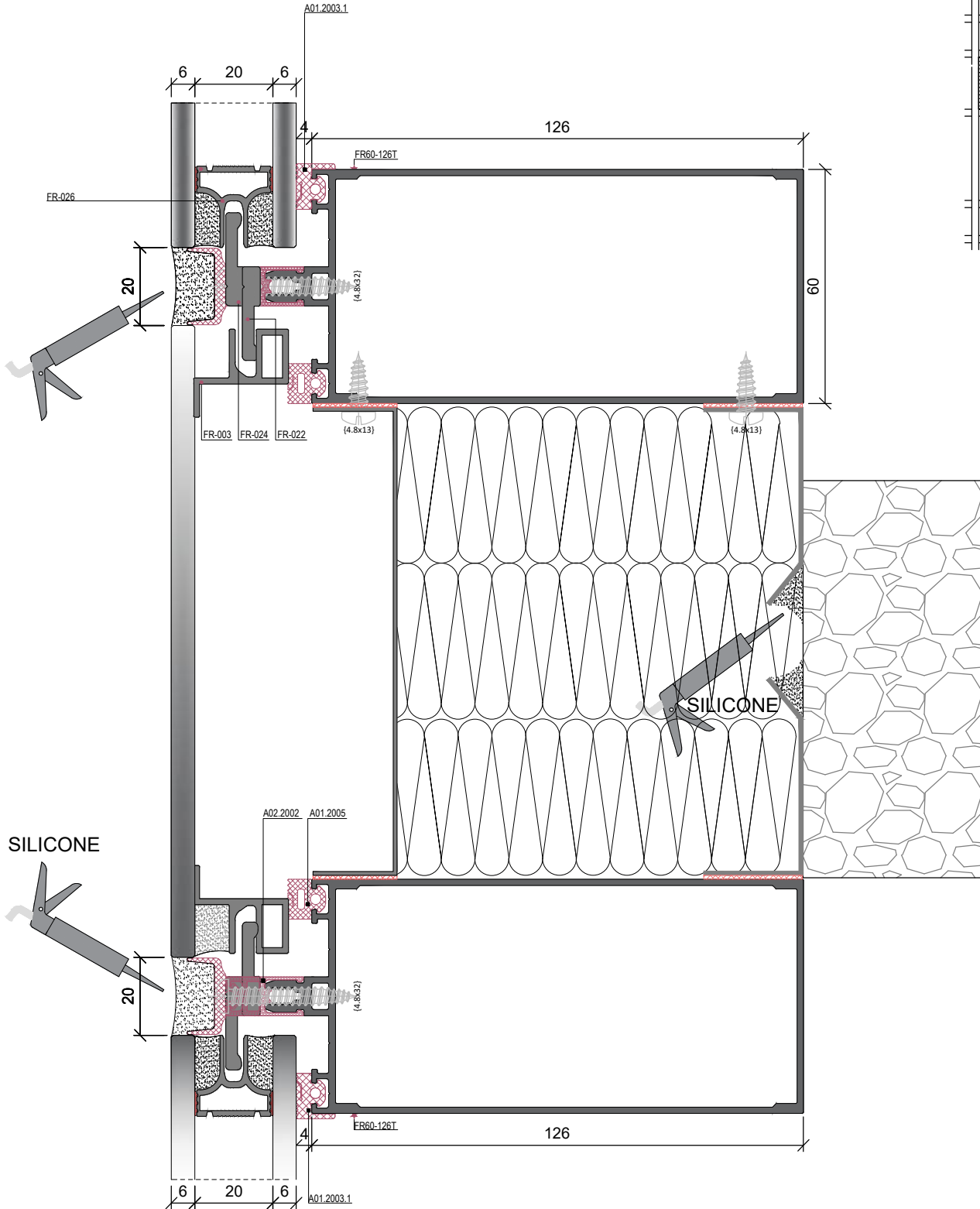
SİLİKON CEPHEDE DIŞA AÇILIR KANAT DETAYI REVERSE OPENING WING DETAIL ON THE SILICONE FACADE





SİLİKON CEPHE SPANDREL BÖLGE DETAYI

SILICONE FACADE SPANDREL AREA DETAIL



! ÖLÇEK: 2/3



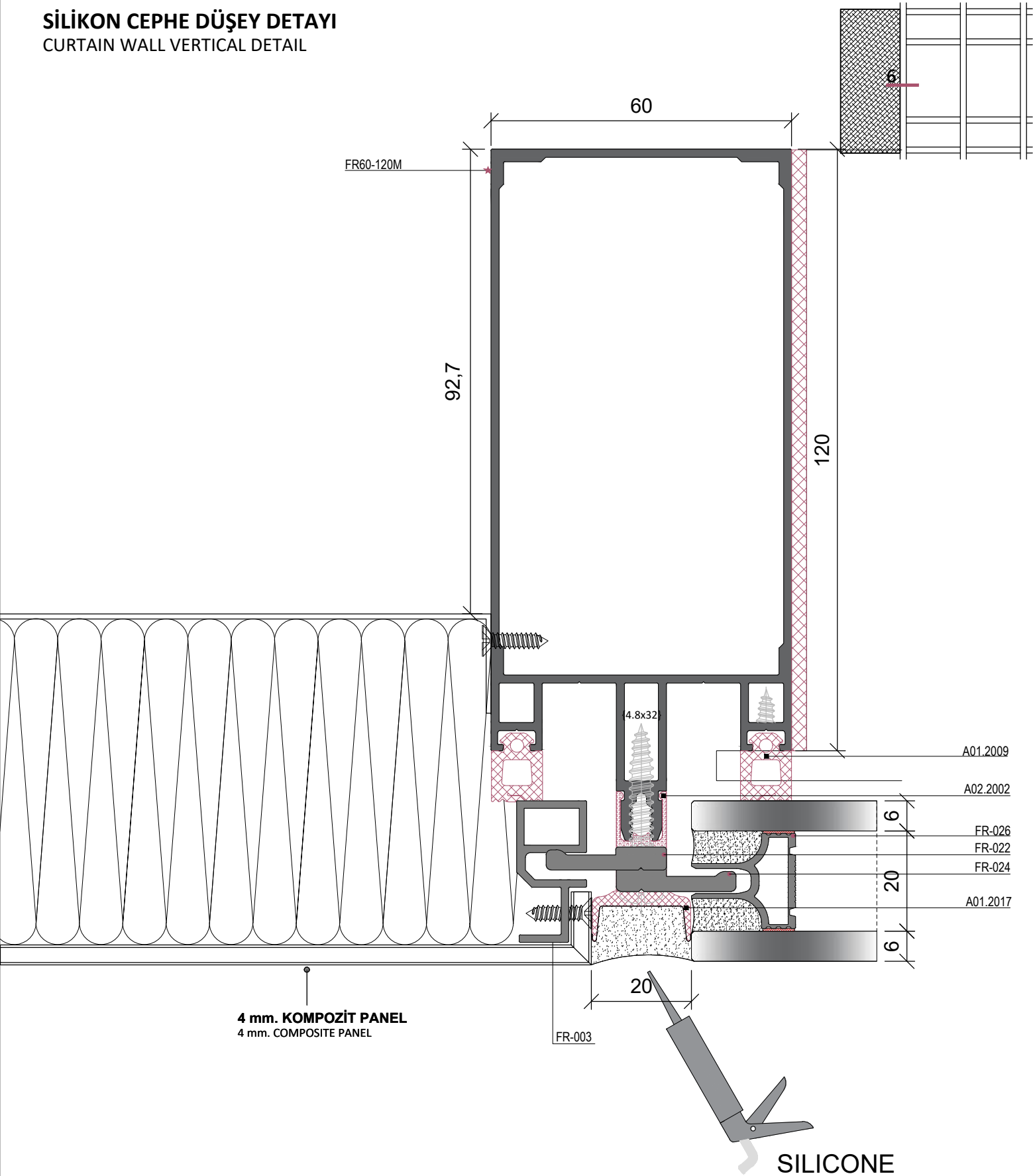
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Alüminyum Profil

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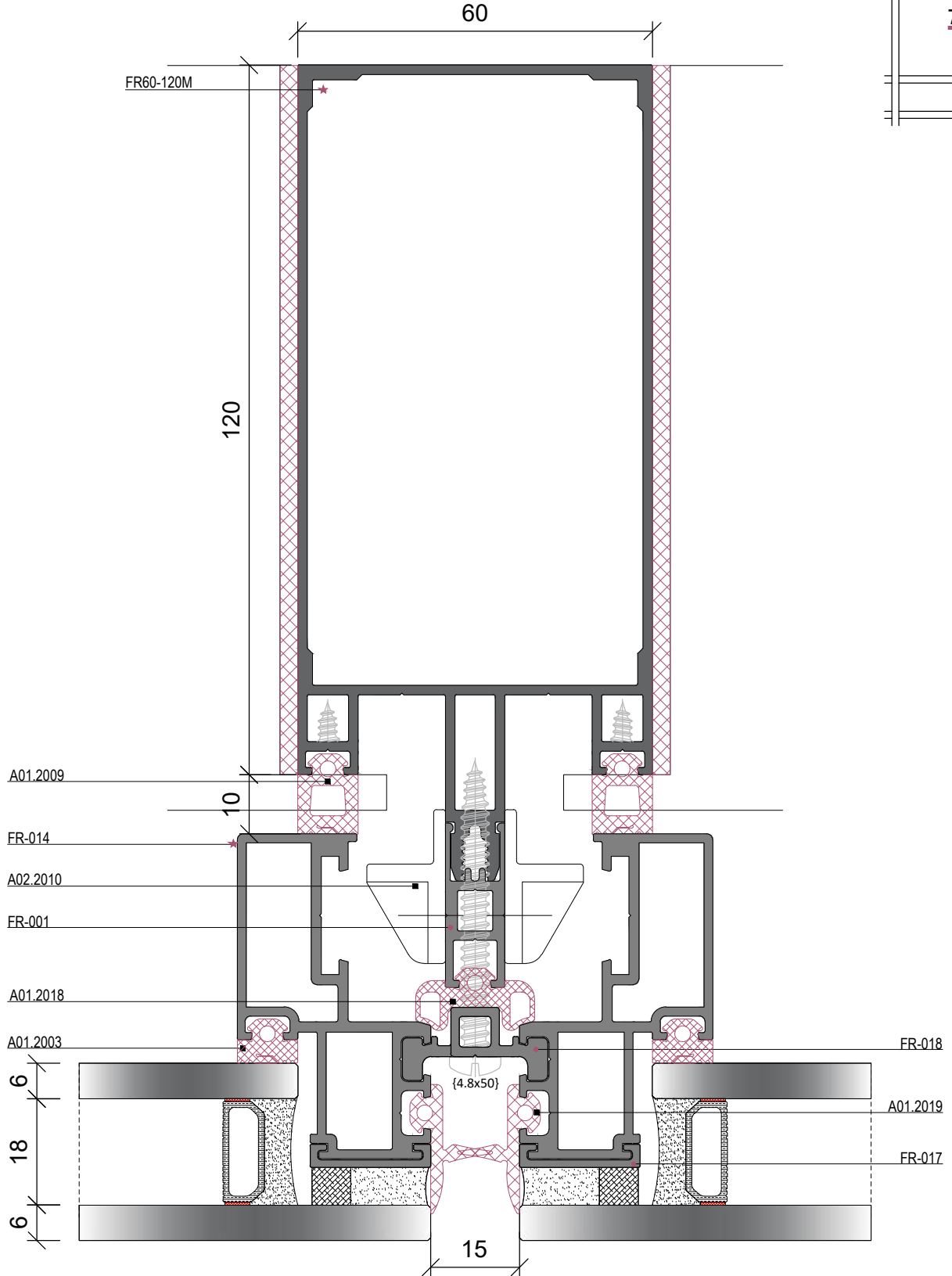


SİLİKON CEPHE DÜŞEY DETAYI
CURTAIN WALL VERTICAL DETAIL



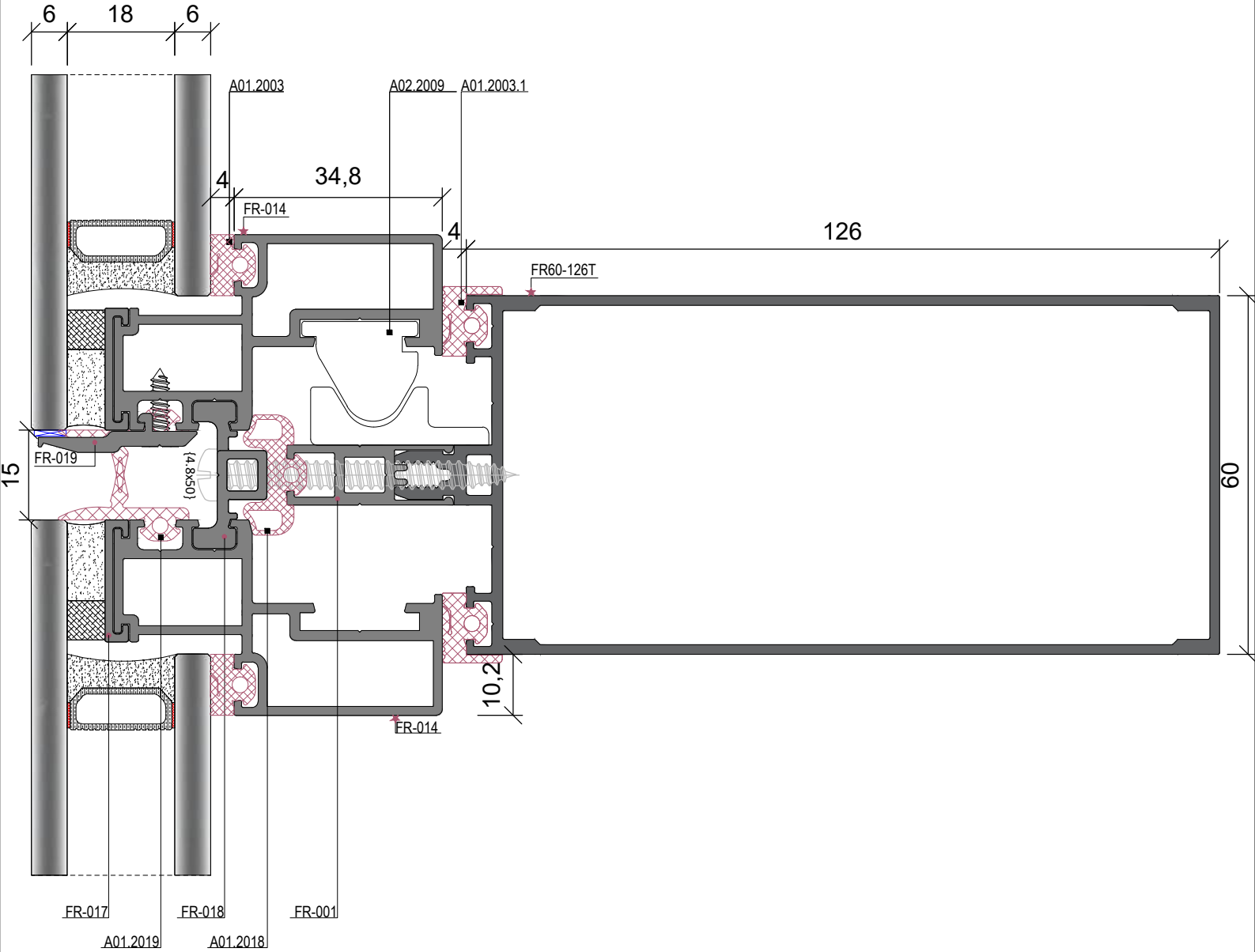
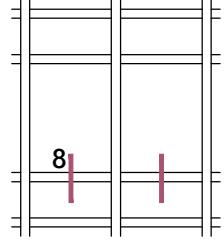


KASETLİ SİLİKON CEPHE DÜŞEY DETAYI STRUCTURAL CELLS VERTICAL DETAIL



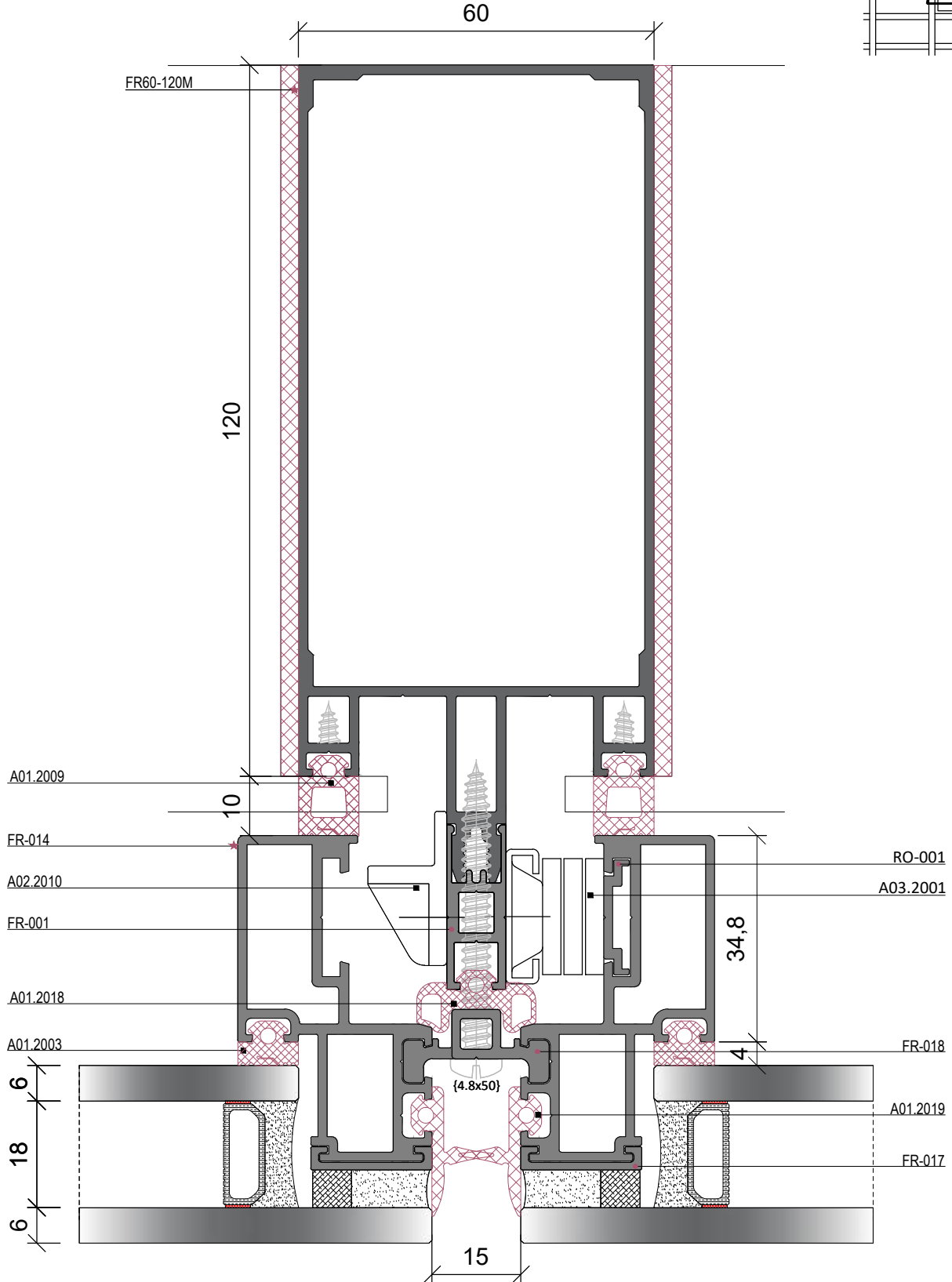


KASETLİ SİLİKON CEPHE YATAY DETAYI STRUCTURAL CELLS HORIZONTAL DETAIL



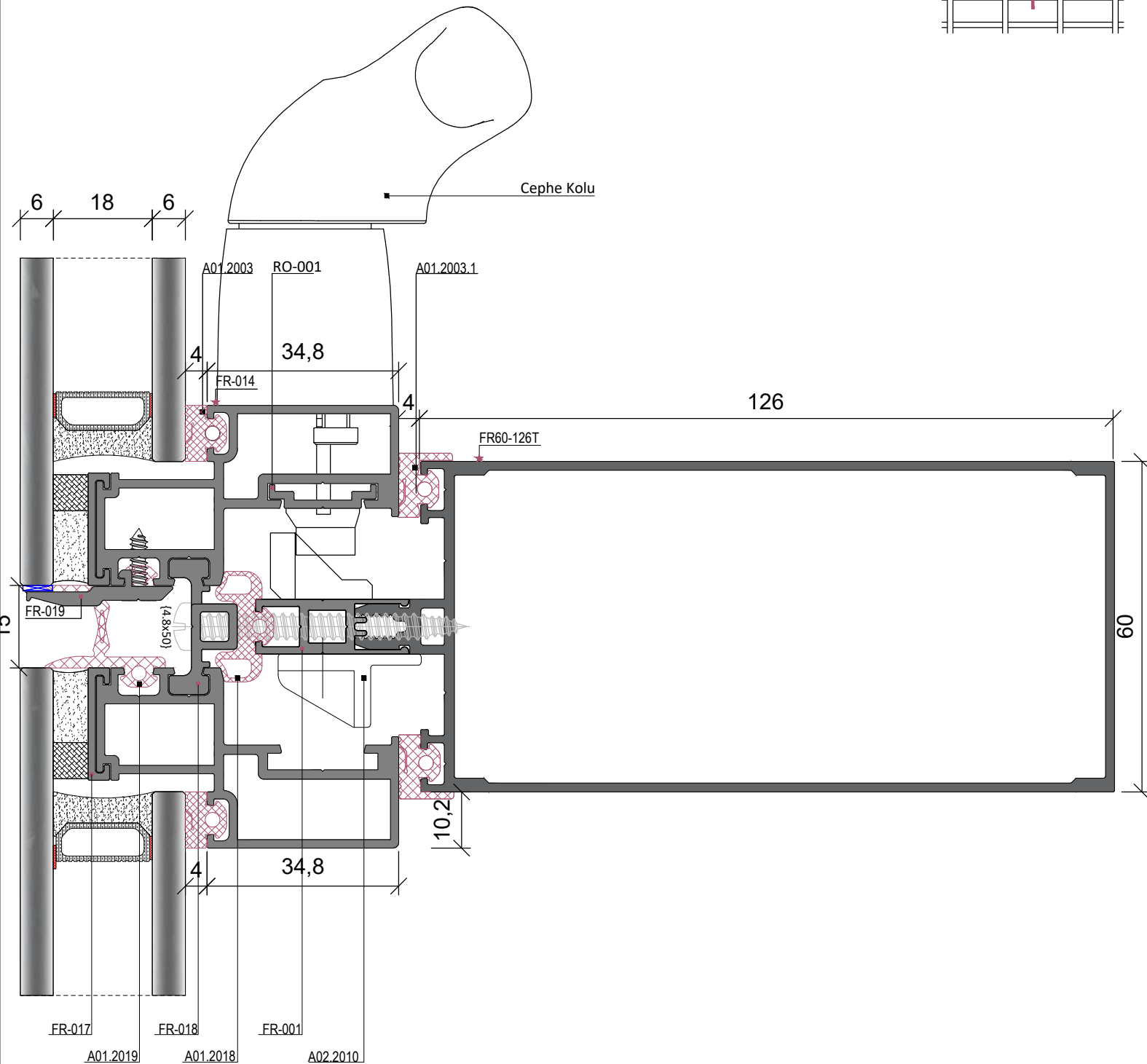
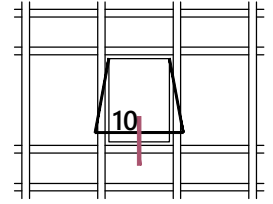


KASETLİ SİLİKON CEPHE DÜŞEY DETAYI STRUCTURAL CELLS VERTICAL DETAIL



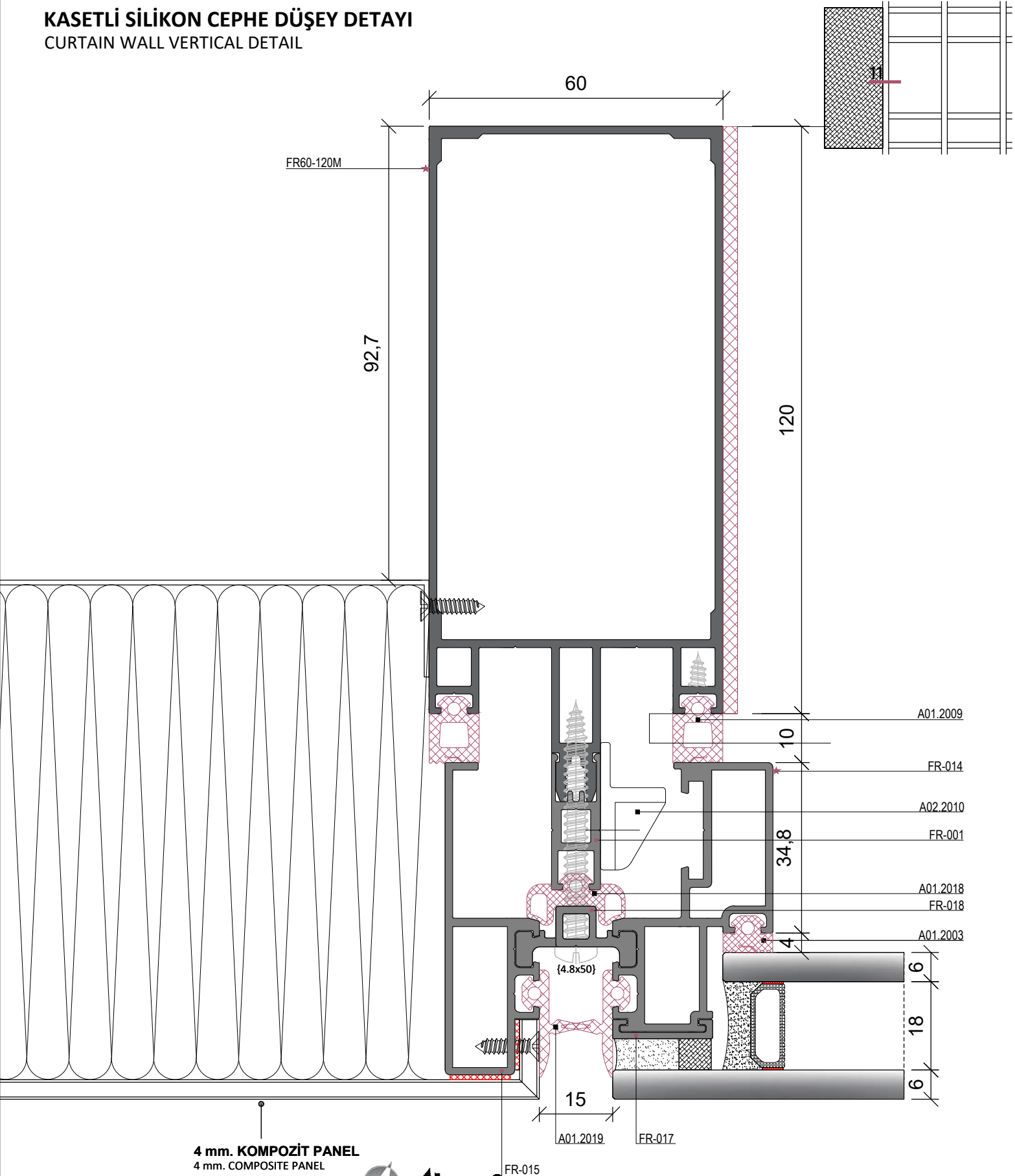
KASETLİ SİLİKON CEPHE YATAY DETAYI

STRUCTURAL CELLS HORIZONTAL DETAIL



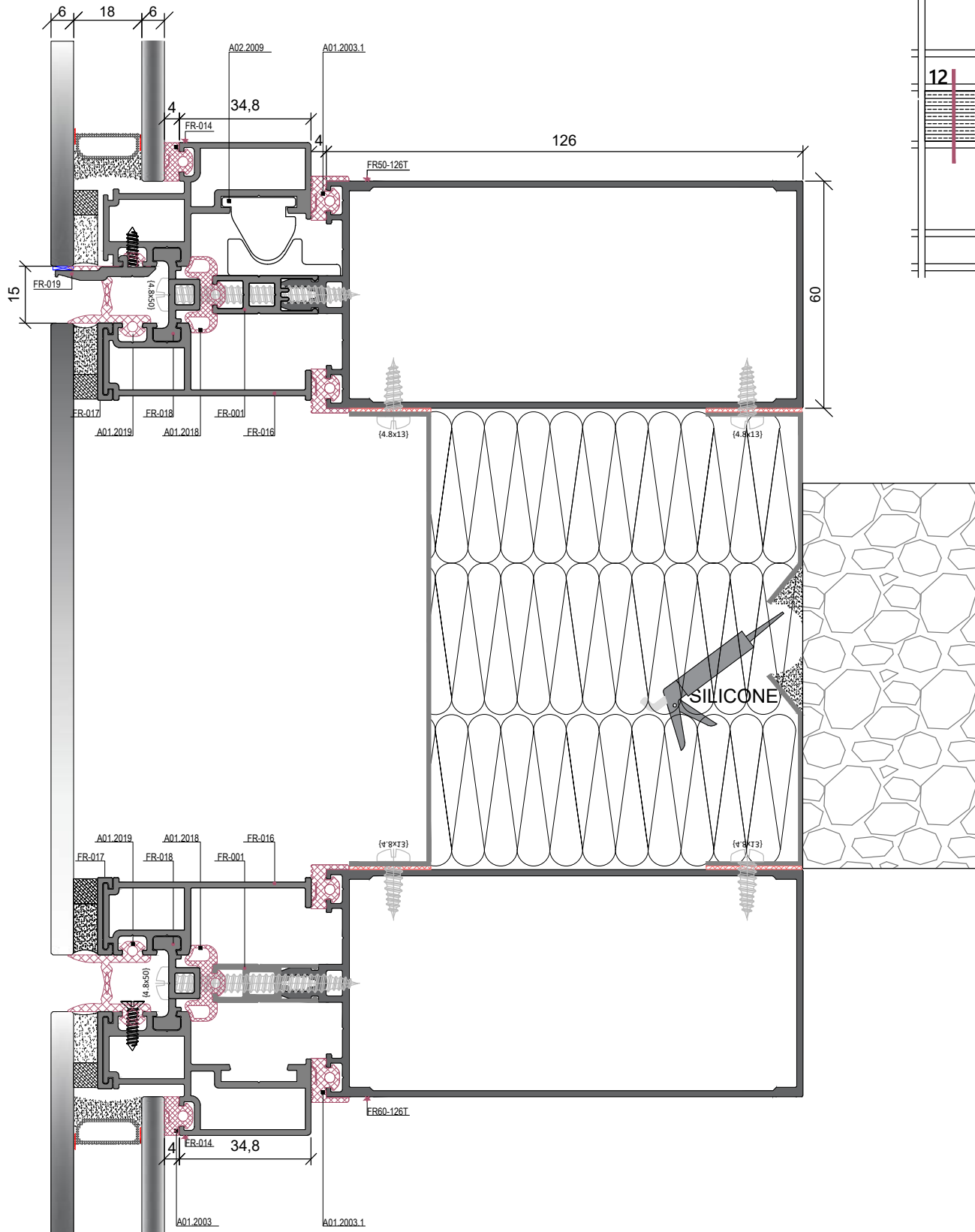


KASETLİ SİLİKON CEPHE DÜŞEY DETAYI CURTAIN WALL VERTICAL DETAIL



SİLİKON CEPHE SPANDREL BÖLGE DETAYI

SILICONE FACADE SPANDREL AREA DETAIL





ROUTE
SYSTEMS

FR60

FACADE SYSTEMS

ATÖLYE MONTAJ DETAYLARI/

WORKSHOP ASSEMBLY DETAILS



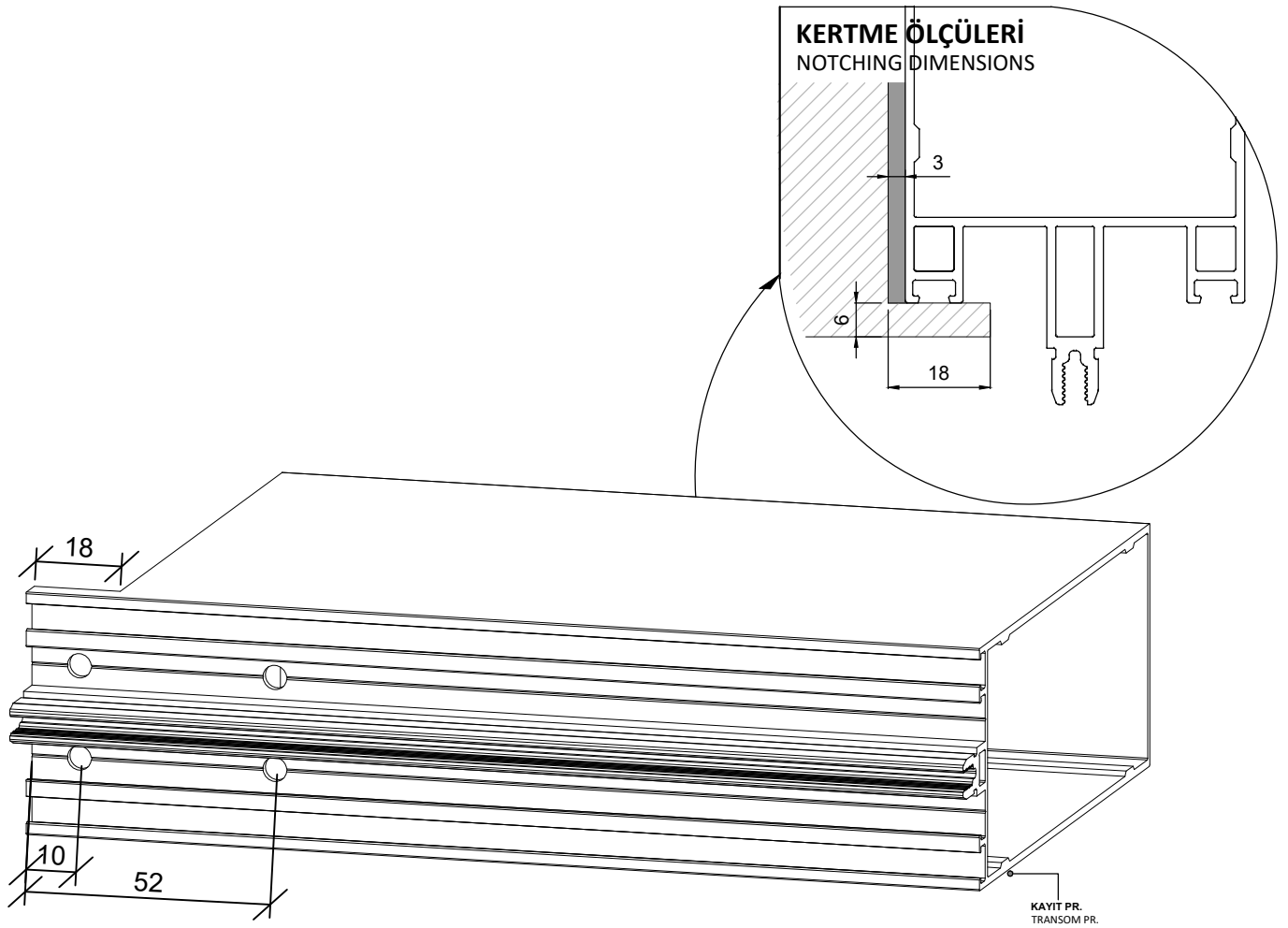
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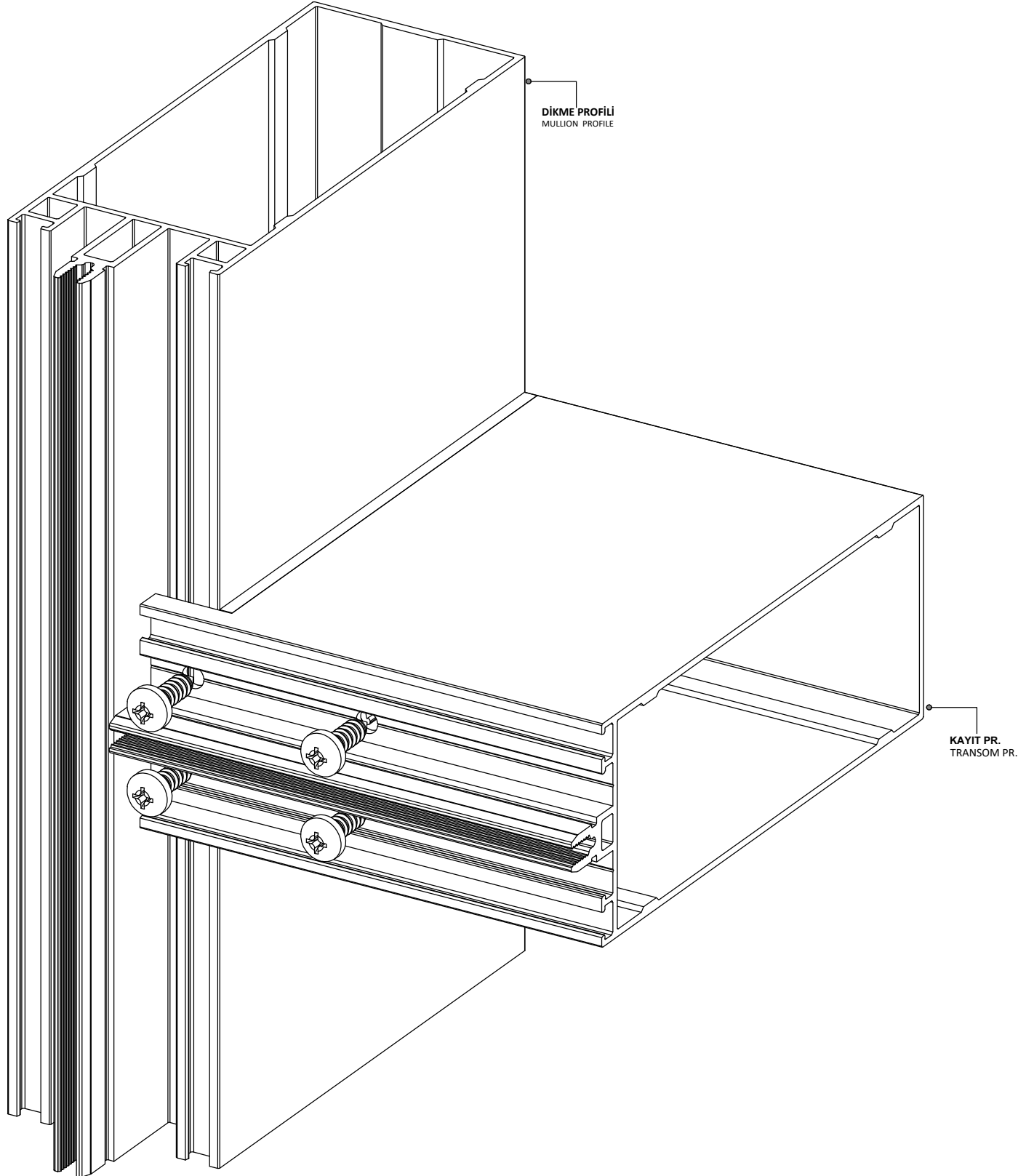


YATAY KAYIT BAĞLANTI DETAYI / HORIZONTAL RECORD CONNECTION DETAIL



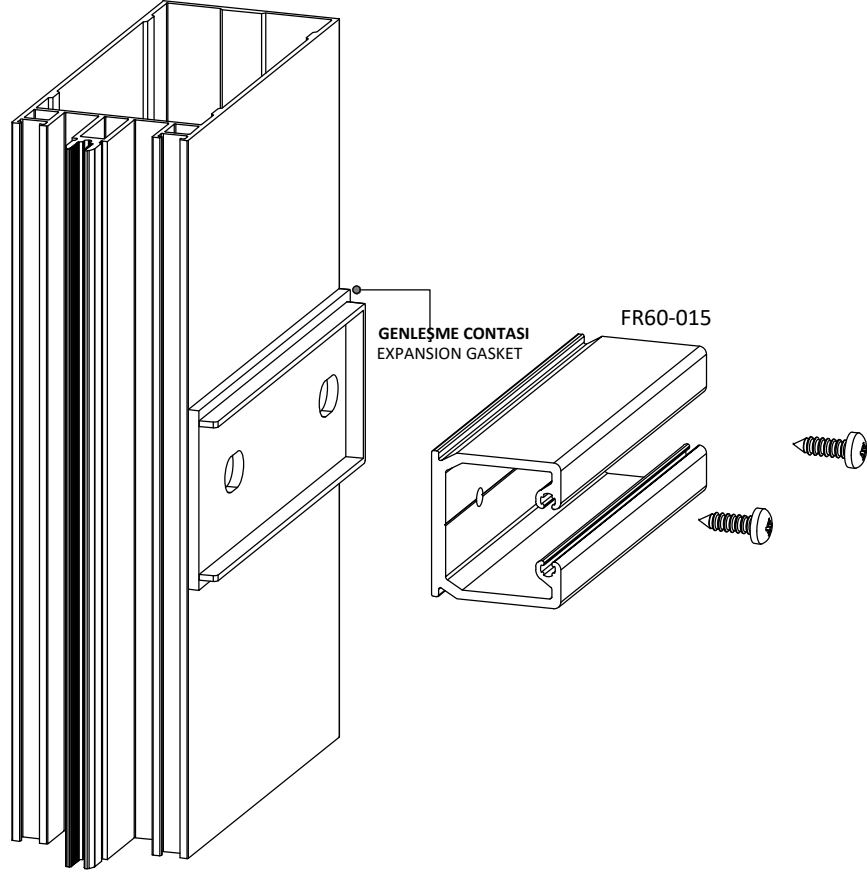


YATAY KAYIT BAĞLANTI DETAYI / HORIZONTAL RECORD CONNECTION DETAIL





GENLEŞME CONTASI / EXPANSION GASKET



GENLEŞME CONTASI / EXPANSION GASKET

çizim DRAWING	AKSESUAR KODU ACCESSORY CODE	KULLANILDIĞI PROFİLLER FOR PROFILES	ÖLÇÜSÜ DIMENSION
	A02.2024	FR60-56T	50 mm
	A02.2025	FR60-66T	60 mm
	A02.2026	FR60-86T	80 mm
	A02.2027	FR60-106T	100 mm
	A02.2028	FR60-126T	120 mm
	A02.2029	FR60-136T	130 mm
	A02.2030	FR60-146T	140 mm
	A02.2031	FR60-156T	150 mm
	A02.2032	FR60-166T	160 mm
	A02.2033	FR60-186T	180 mm
	A02.2034	FR60-206T	200 mm
	A02.2035	FR60-226T	220 mm





YÜK ALICI PROFİL DETAYI / LOAD RECEIVER PROFILE DETAIL

FR60-013 Yük Alıcı Profil

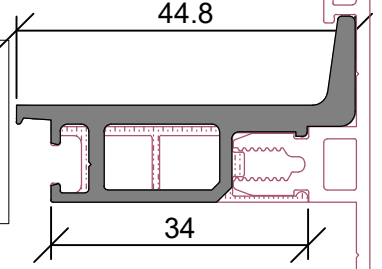
CAM ALTI DESTEK PARÇASI - 5

GLAZING SUPPORT - 5

(30mm ile 40mm arası cam kalınlıklarında

kullanılır. / Using with 30mm to 40mm glass thicknesses.)

HER CAMIN
ALTINDA İKİŞER
ADET KULLANILIR.
USING TWO PIECES
AT THE BOTTOM OF
EACH GLASS.



Profil Kodu	FR60-013
Ad	Yük Alıcı Profil
Ağırlık	0,624
Kesim Ölçüsü	80 mm

DESTEK PARÇASININ OLDUĞU BÖLGELERDE
ISI BARIYERLERİ AYRI AYRI TAKILMALIDIR.
INSULATION BARS SHOULD BE INSTALLED PIECES
SEPARATELY AROUND THE GLAZING SUPPORTS.



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YÜK ALICI PROFİL DETAYI / LOAD RECEIVER PROFILE DETAIL

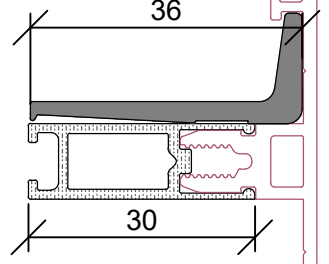
FR60-013 Yük Alıcı Profil

CAM ALTI DESTEK PARÇASI - 5

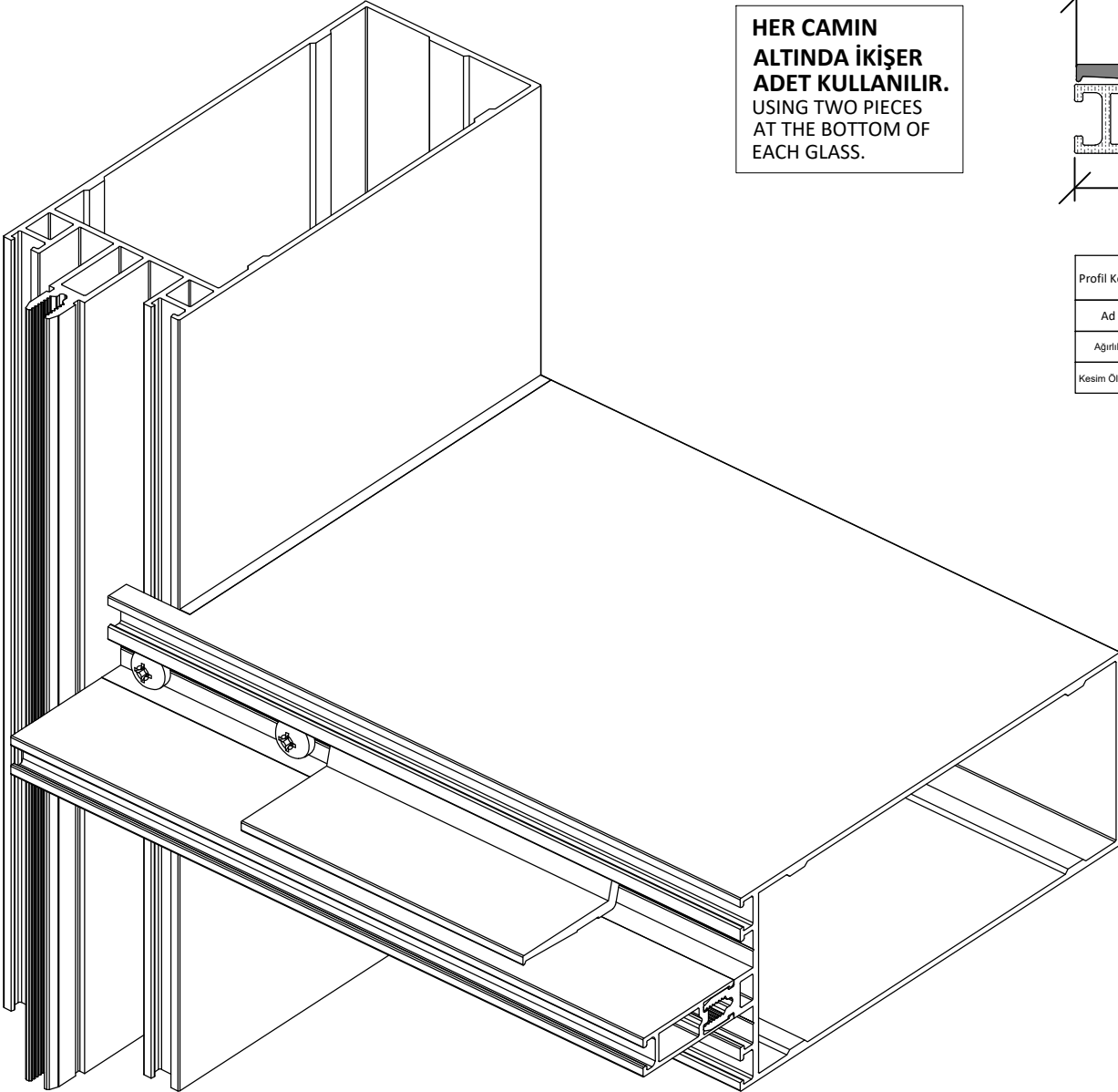
GLAZING SUPPORT - 5

(26mm ile 33mm arası cam kalınlıklarında kullanılır. / Using with 26mm to 33mm glass thicknesses.)

HER CAMIN
ALTINDA İKİŞER
ADET KULLANILIR.
USING TWO PIECES
AT THE BOTTOM OF
EACH GLASS.



Profil Kodu	FR60-013
Ad	Yük Alıcı Profil
Ağırlık	0,333
Kesim Ölçüsü	80 mm



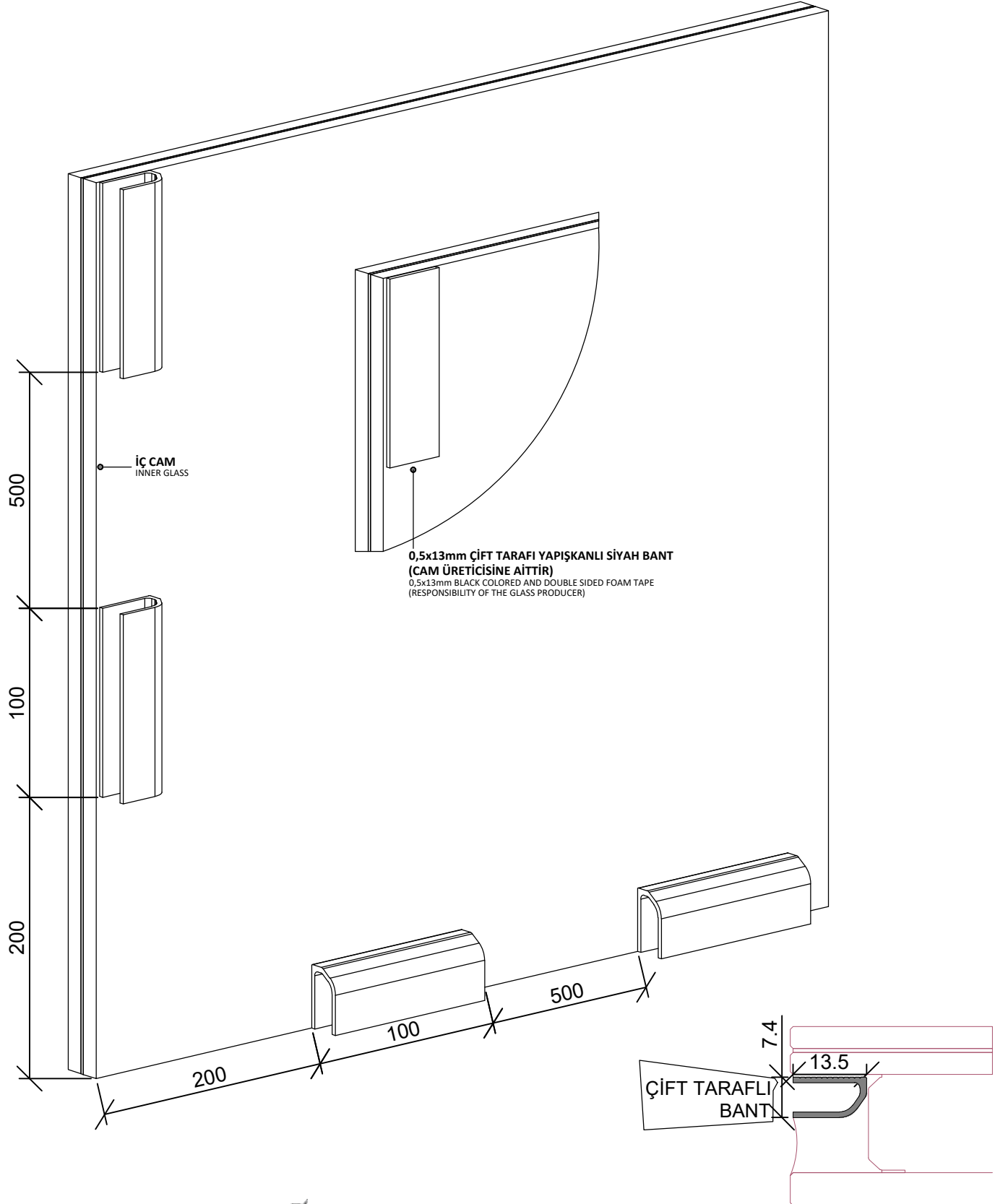
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Alüminyum Profil

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FR-027 WARM EDGE ISICAM ÇİTASI DETAYI/ SCORNER CONNECTION FOR WARM EDGE SPACER DETAILS



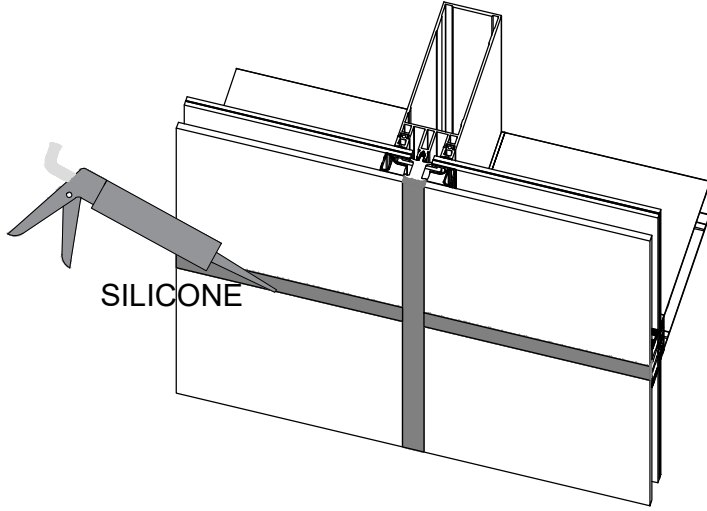
Almin®
Alüminyum Profil

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SİLİKON CEPHE UYGULAMA DETAYLARI/ SILICONE FACADE APPLICATION DETAILS



KİLİTLEME PARÇASI
LOCKING PIECE
(ALUMINIUM)

FR-021

37.8

4.5

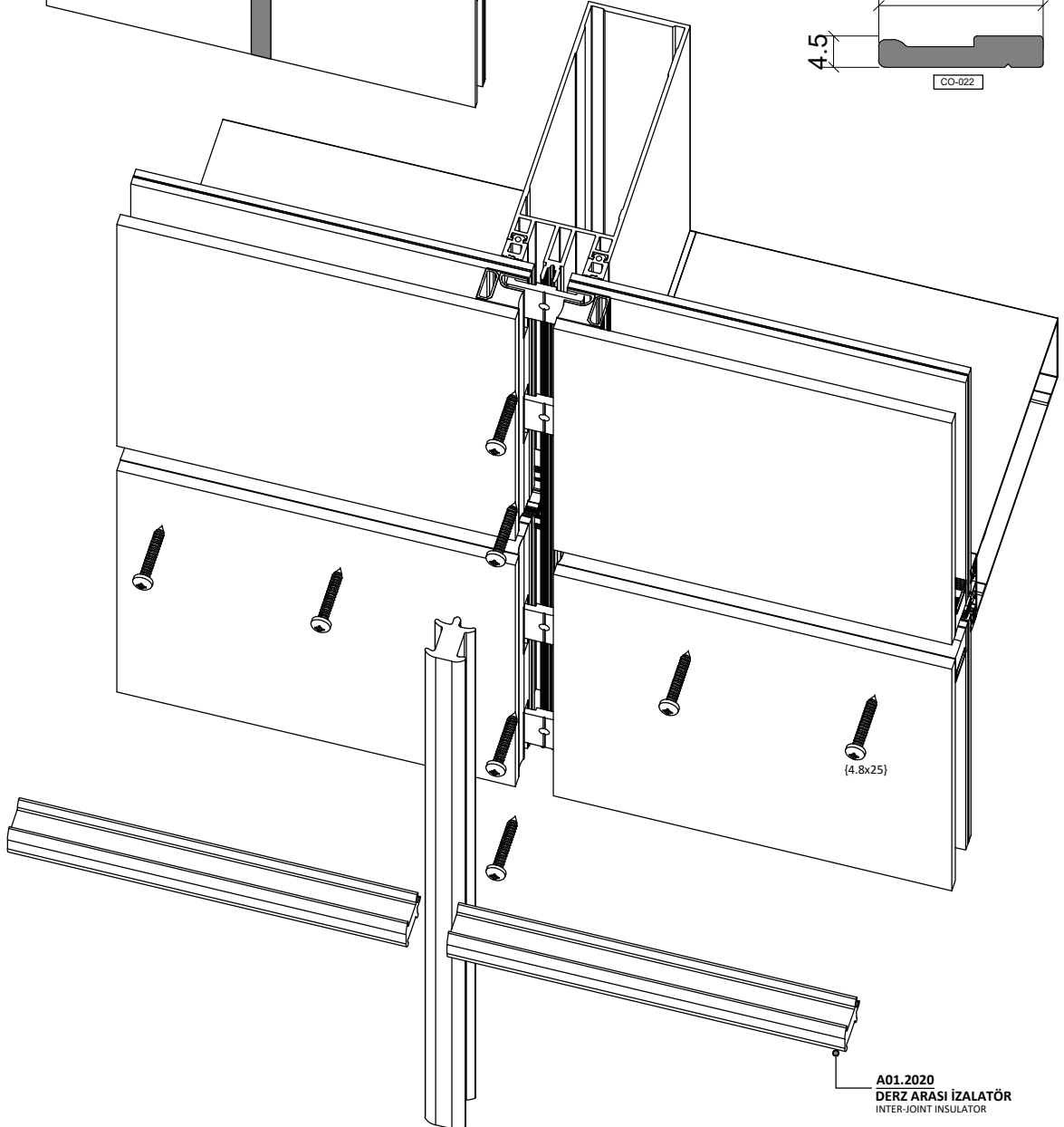
CO-021

FR-022

24

4.5

CO-022



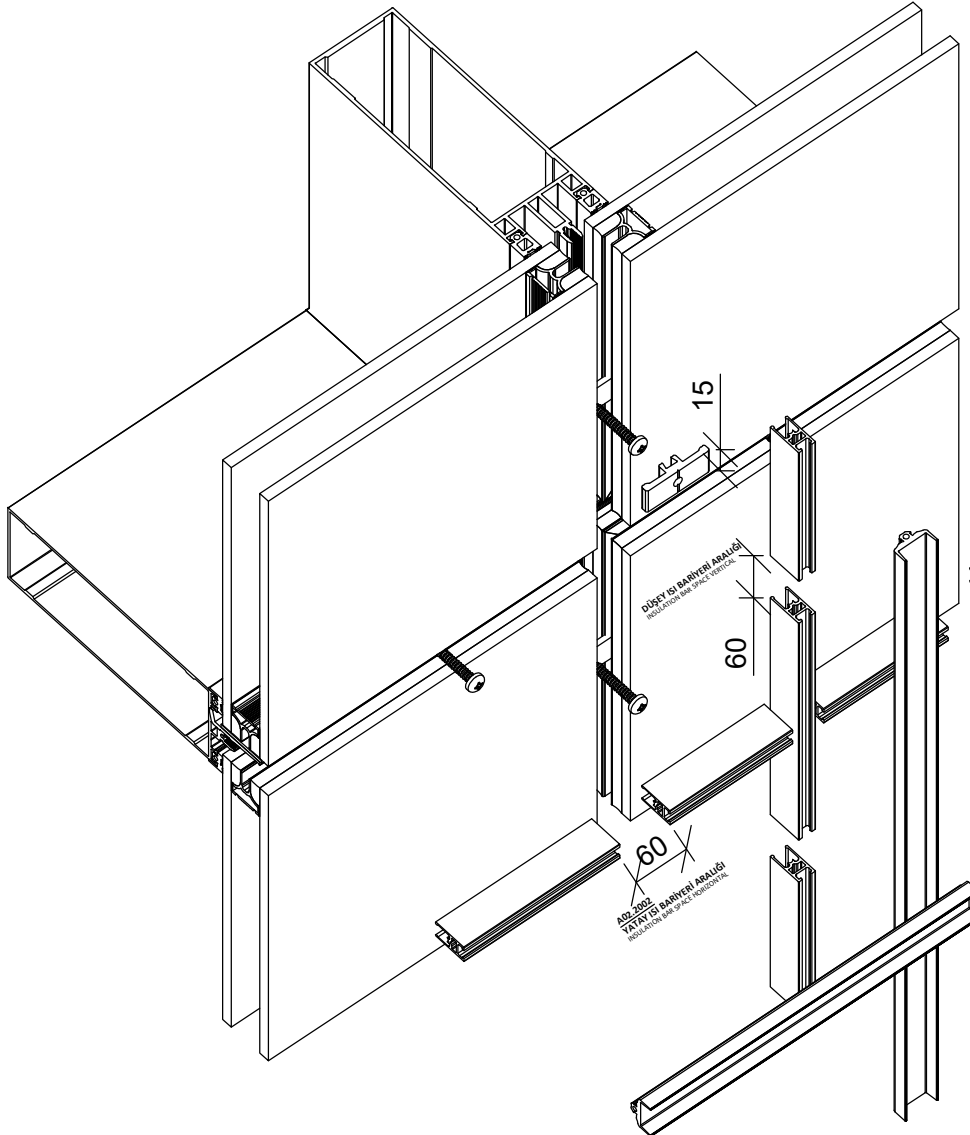
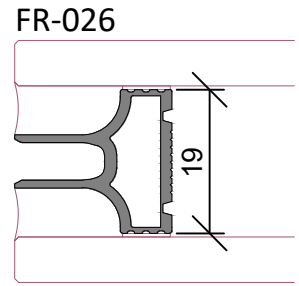
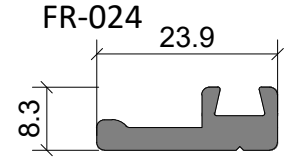
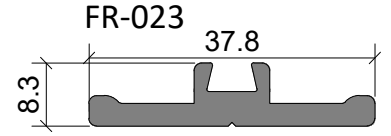
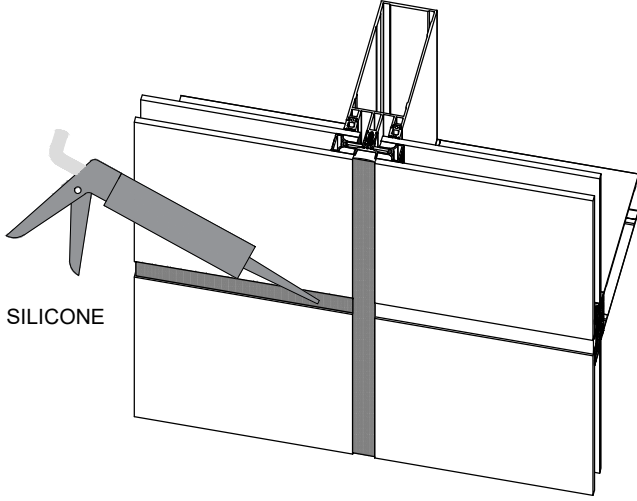
A01.2020
DERZ ARASI İZALATÖR
INTER-JOINT INSULATOR



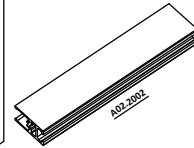


SİLİKON CEPHE UYGULAMA DETAYLARI/

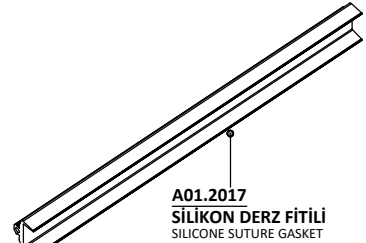
SILICONE FACADE APPLICATION DETAILS



KİTLEME PARÇALARININ
BULUNDUĞU BÖLGELERDE
ISI BARIYERİ KULLANILMAZ.
INSULATION BAR SHOULD NOT BE
USED AT THE LOCKING PIECE'S AREA.



A01.2017
SİLİKON DERZ FİTİLİ
SILICONE SUTURE GASKET



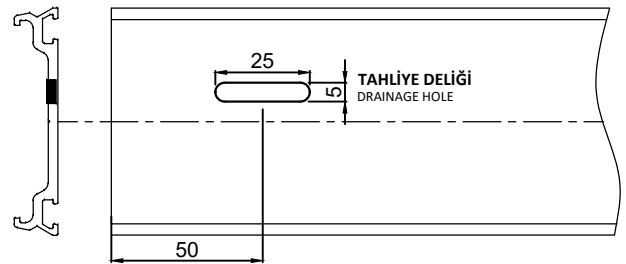
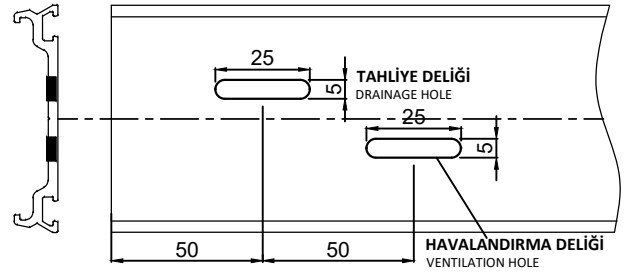
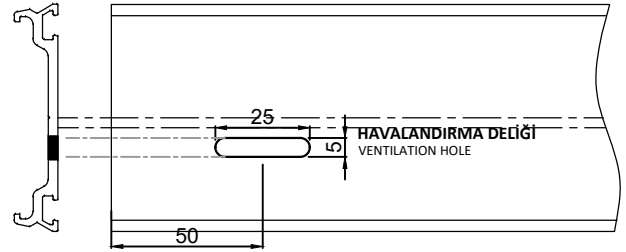
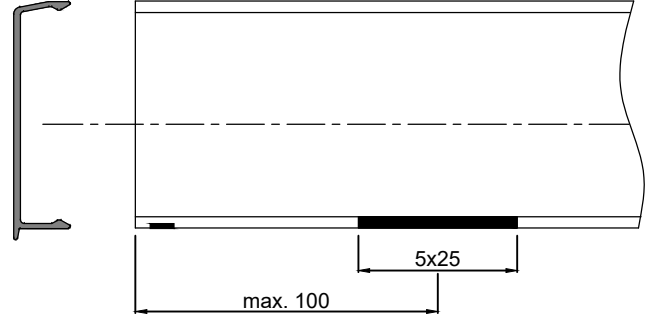
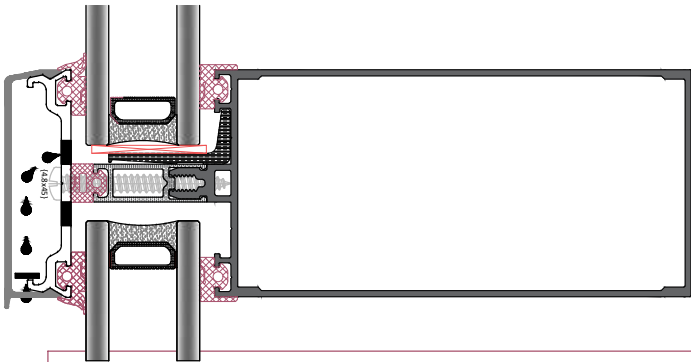
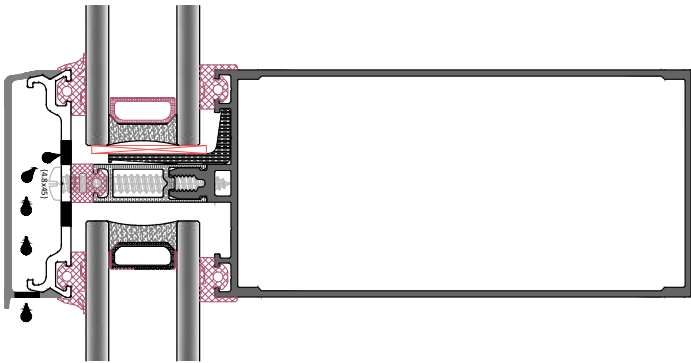
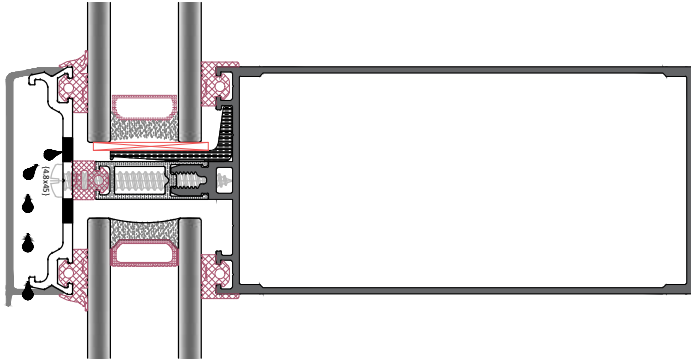
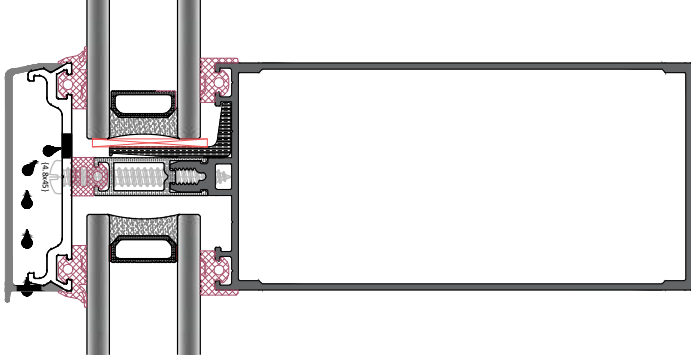
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TAHLİYE DELİK ŞEMALARI/ SCHEMAS OF THE DRAINAGE HOLES



**NOT: 1,5 METREDEN UZUN KAYITLARDA TAM ORTAYA
İLAVE BİR TAHLİYE DAHA AÇILMALIDIR.**

**NOTE: ADDITIONAL DRAINAGE HOLE SHOULD BE REQUIRED AT THE
MIDDLE FOR TRANSOMS LONGER THAN 1,5 METER.**

**ÖNEMLİ: AÇILAN İKİ DELİK ARASINDA HER DURUMDA EN
AZ 50mm HİZA FARKI(ŞAŞIRTMA) OLMALIDIR.**

**IMPORTANT: AT LEAST 50mm ALIGNING DIFFERENCE SHOULD BE
MADE BETWEEN TWO HOLES EVERYTIME.**



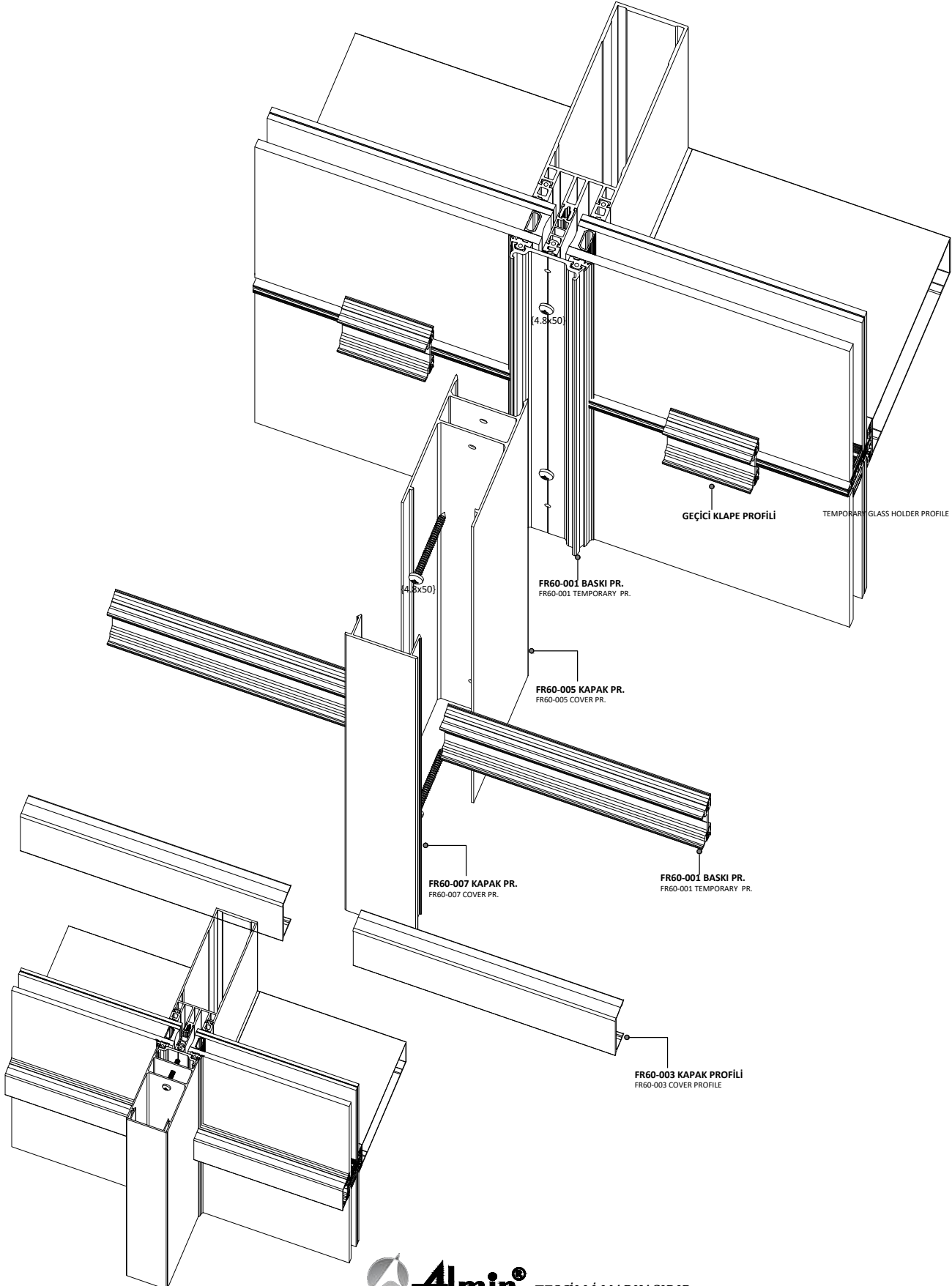
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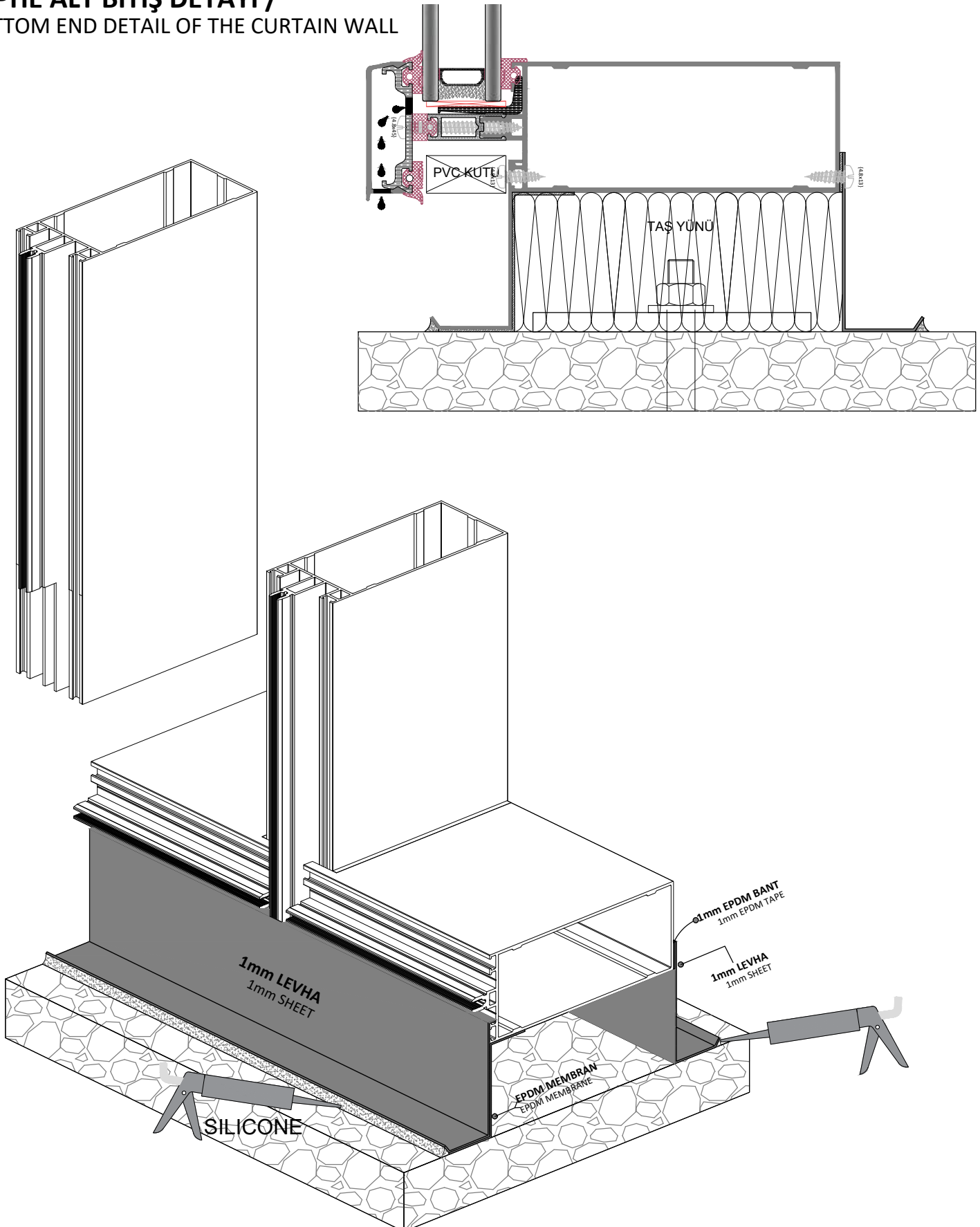
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KAPAK MONTAJ DETAYI /
COVER MOUNTING DETAIL

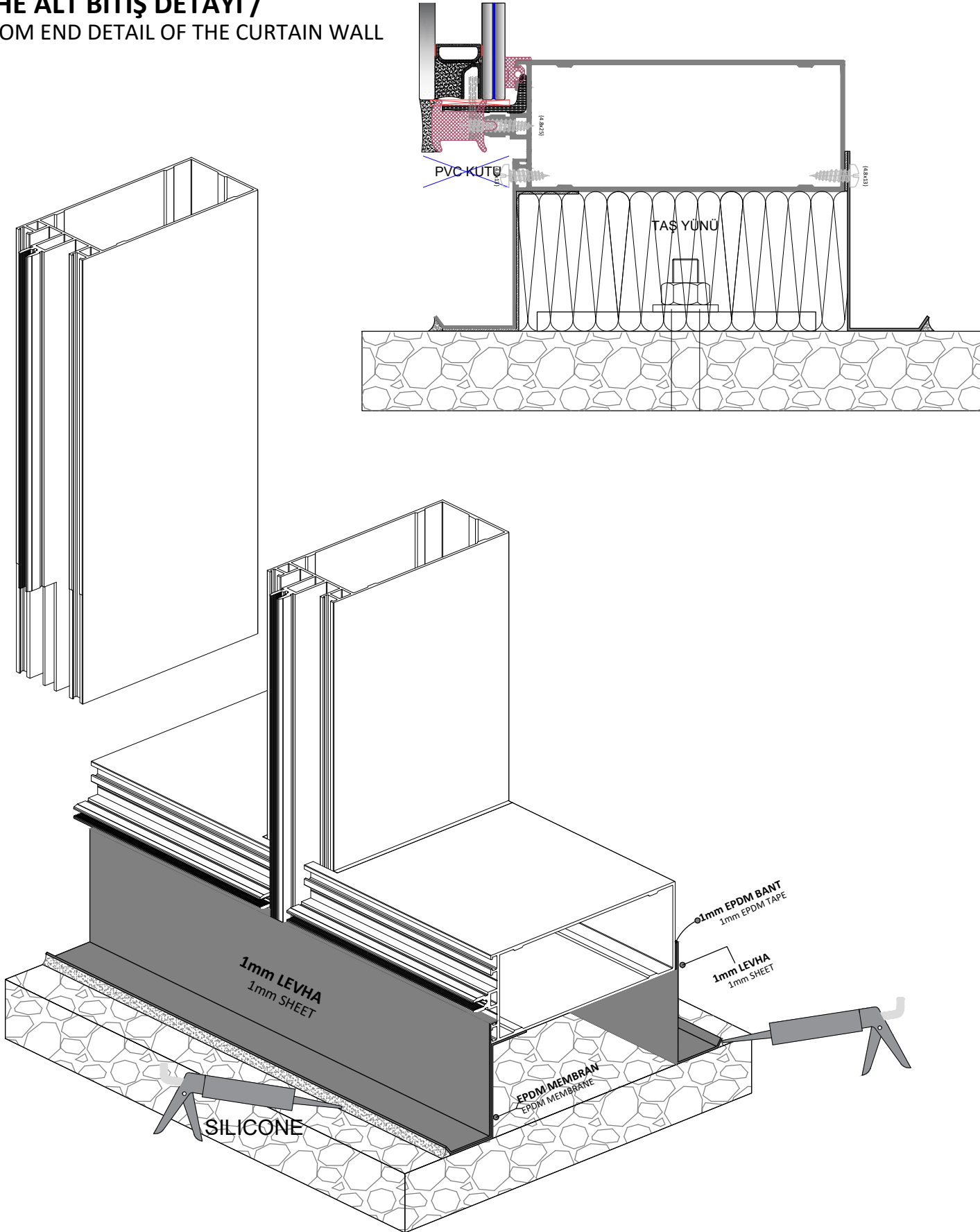


CEPHE ALT BİTİŞ DETAYI / BOTTOM END DETAIL OF THE CURTAIN WALL



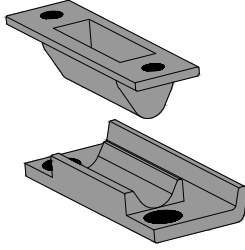


CEPHE ALT BİTİŞ DETAYI /
BOTTOM END DETAIL OF THE CURTAIN WALL

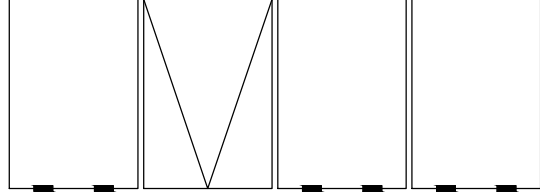




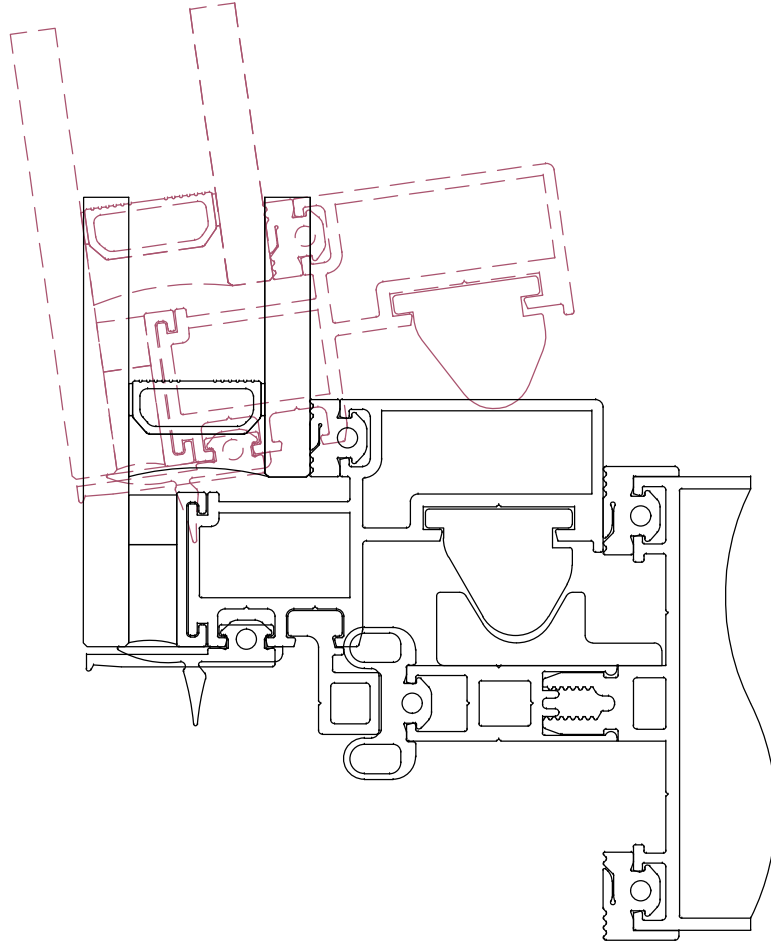
A02.2009 SET MESAFE BELİRLEYİCİ SABİTLEME PARÇASI / SPACER FOR STRUCTURAL CELLS



A02.2009 SET
MESAFE BELİRLEYİCİ SABİTLEME PARÇASI
SPACER FOR STRUCTURAL CELLS

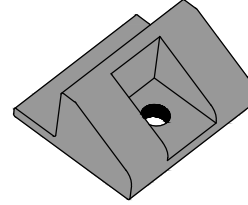
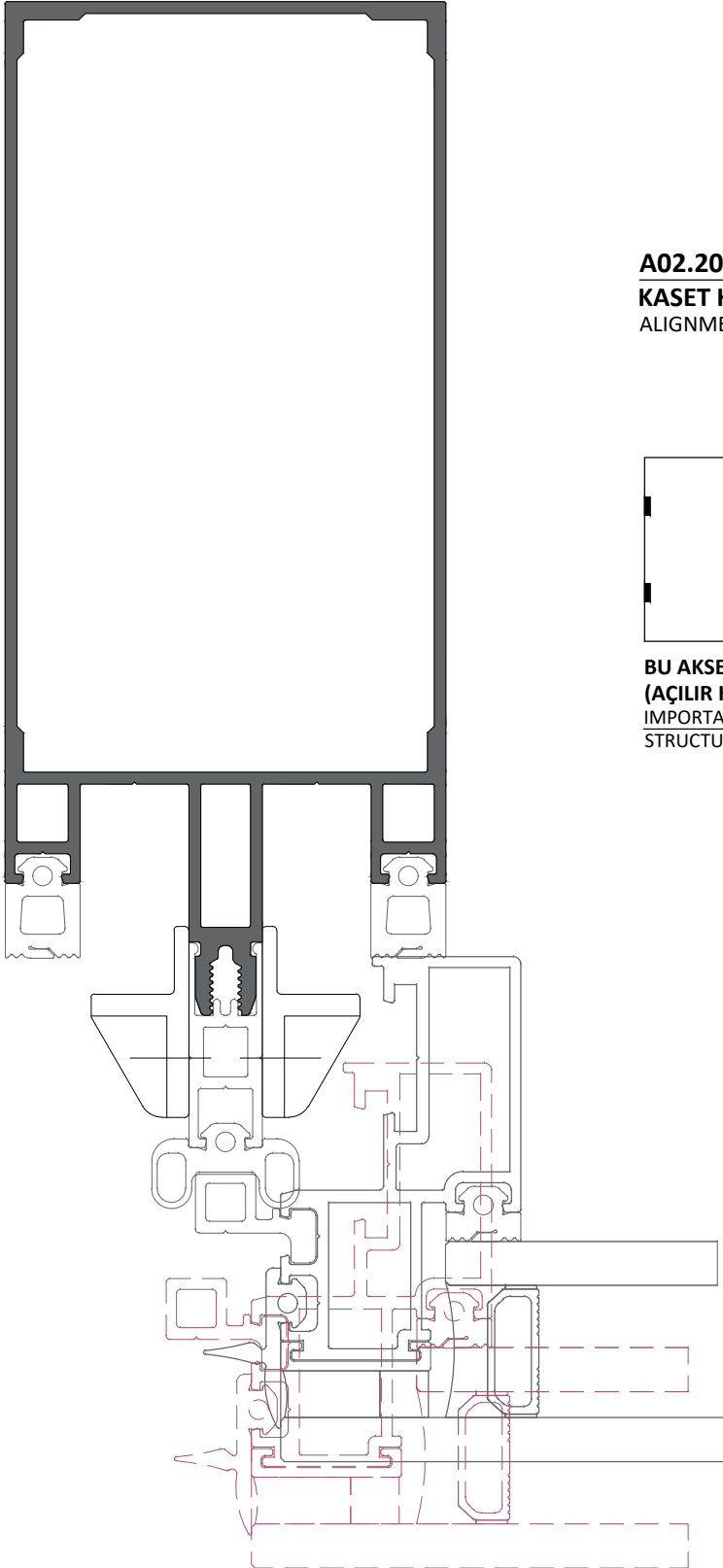


TÜM SABİT KASETLERİN ALTINDA İKİŞER ADET KULLANILIR.
(AÇILIR KANATLARDA KULLANILMAZ.)
USING TWO PIECES AT THE BOTTOM OF ALL FIXED STRUCTURAL
CELLS. (DO NOT USE WITH OPENING VENTS.)

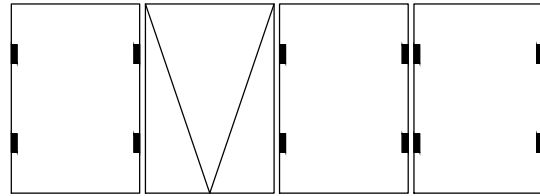




A02.2010 ADET KASET HİZALAMA PARÇASI / ALIGNMENT PIECE FOR STRUCTURAL CELLS



A02.2010 ADET
KASET HİZALAMA PARÇASI
ALIGNMENT PIECE FOR STRUCTURAL CELLS



BU AKSESUAR SADECE SABİT KASETLERDE UYGULANIR.
(AÇILIR KANATLARDA KULLANILMAZ.)
IMPORTANT: THIS ACCESSORY USING ONLY WITH FIXED
STRUCTURAL CELLS. (DO NOT USE WITH OPENING VENTS)

**Her sabit kaset için ikisi sağda
ikisi solda olmak üzere toplam
4 adet kullanılmalıdır.**
Should be used 4 pieces for each
fixed vent, as two of them at the
right side and two at the left.





ROUTE
SYSTEMS

FR60

FACADE SYSTEMS

AKSESUAR LİSTESİ /

ACCESSORY LIST

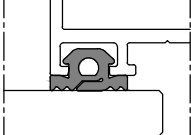
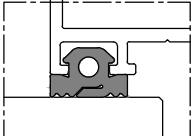
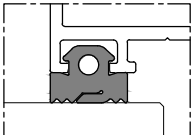
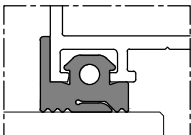
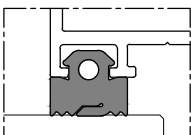
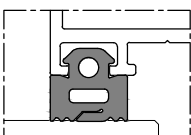
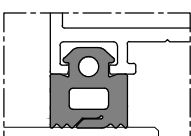


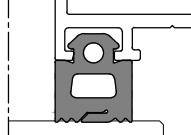
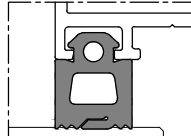
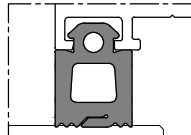
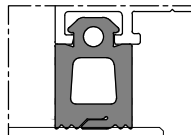
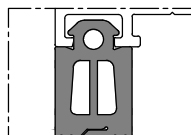
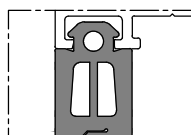
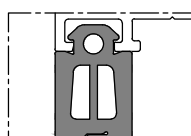
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Alüminyum Profil

TESCİLLİ MARKASIDIR.

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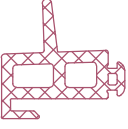
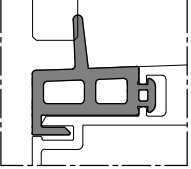
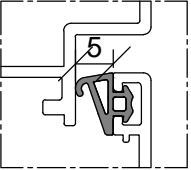
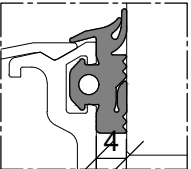
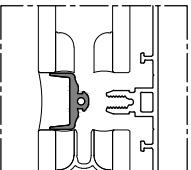
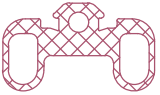
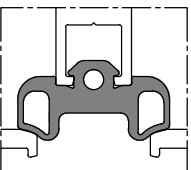
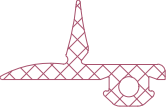
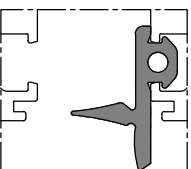
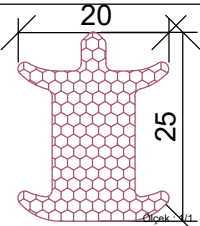
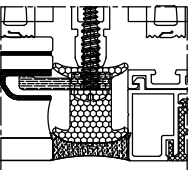


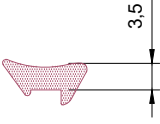
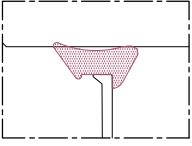
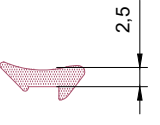
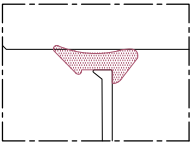
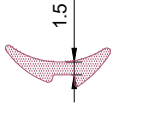
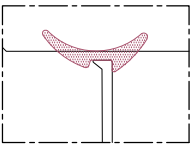
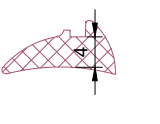
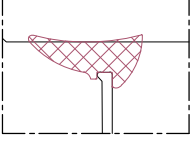
ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
 Ölçek : 1/1	A01.2001 2 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 41 gr/m	
 Ölçek : 1/1	A01.2002 3 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 53 gr/m	
 Ölçek : 1/1	A01.2003 4 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 67 gr/m	
 Ölçek : 1/1	A01.2003.1 4 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 83 gr/m	
 Ölçek : 1/1	A01.2004 5 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 81 gr/m	
 Ölçek : 1/1	A01.2005 6 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 83 gr/m	
 Ölçek : 1/1	A01.2006 7 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 89 gr/m	

ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
 Ölçek : 1/1	A01.2007 8 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 99 gr/m	
 Ölçek : 1/1	A01.2008 9 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 102 gr/m	
 Ölçek : 1/1	A01.2009 10 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 110 gr/m	
 Ölçek : 1/1	A01.2010 11 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 117 gr/m	
 Ölçek : 1/1	A01.2011 12 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 132 gr/m	
 Ölçek : 1/1	A01.2012 13 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 140 gr/m	
 Ölçek : 1/1	A01.2013 14 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 147 gr/m	





ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
 Ölçek : 1/1	A01.2014 TOZLUK FİTİLİ TİP 1 Malzeme / Material : EPDM Ağırlık / Weight : 103 gr/m	
 Ölçek : 1/1	A01.1025 5 mm İÇ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 29 gr/m	
 Ölçek : 1/1	A01.2016 4 mm DIŞ BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 88 gr/m	
 Ölçek : 1/1	A01.2017 SİLİKON DERZ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 115 gr/m	
 Ölçek : 1/1	A01.2018 ORTA BİNİ FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 117 gr/m	
 Ölçek : 1/1	A01.2019 TOZLUK FİTİLİ TİP 1 Malzeme / Material : EPDM Ağırlık / Weight : 87 gr/m	
 Ölçek : 1/1	A01.2020 DERZ ARASI İZALATÖR INTER-JOINT INSULATOR	

ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
 Ölçek : 1/1	A01.1004 3.5mm İÇ CAM FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 45 gr/m	
 Ölçek : 1/1	A01.1005 2.5mm İÇ CAM FİTİLİ Malzeme / Material : EPDM Ağırlık / Weight : 32 gr/m	
 Ölçek : 1/1	A01.1010 1.5 mm İÇ CAM FİTİLİ	
 Ölçek : 1/1	A01.1013 4mm İÇ CAM FİTİLİ	





ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
	A02.2001 ISI BARIYERİ (18mm) INSULATION BAR (18mm)	
	A02.2002 ISI BARIYERİ (19,8mm) INSULATION BAR (19,8mm)	
	A02.2003 ISI BARIYERİ (22mm) INSULATION BAR (22mm)	
	A02.2004 ISI BARIYERİ (26 mm) INSULATION BAR (26 mm)	
	A02.2005 ISI BARIYERİ (30mm) INSULATION BAR (30mm)	
	A02.2006 ISI BARIYERİ (34mm) INSULATION BAR (34mm)	

ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
	A02.2007 ISI BARIYERİ (40mm) INSULATION BAR (40mm)	
	A02.2009 MESAFE BELİRLEYİCİ SABİTLEME PARÇASI SPACER FOR STRUCTURAL CELLS	
	A02.2010 KASET HİZALAMA PARÇASI ALIGNMENT PIECE FOR STRUCTURAL CELLS	
	A02.2023 KASA BİTİŞ PLASTİĞİ	
	A02.2024 GENLEŞME CONTASI EXPANSION GASKET FR60-56T İÇİN	





ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
	A02.2025 GENLEŞME CONTASI EXPANSION GASKET FR60-66T İÇİN	
	A02.2026 GENLEŞME CONTASI EXPANSION GASKET FR60-86T İÇİN	
	A02.2027 GENLEŞME CONTASI EXPANSION GASKET FR60-106T İÇİN	
	A02.2028 GENLEŞME CONTASI EXPANSION GASKET FR60-126T İÇİN	
	A02.2029 GENLEŞME CONTASI EXPANSION GASKET FR60-136T İÇİN	
	A02.2030 GENLEŞME CONTASI EXPANSION GASKET FR60-146T İÇİN	
	A02.2031 GENLEŞME CONTASI EXPANSION GASKET FR60-156T İÇİN	

ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
	A02.2032 GENLEŞME CONTASI EXPANSION GASKET FR60-166T İÇİN	
	A02.2033 GENLEŞME CONTASI EXPANSION GASKET FR60-186T İÇİN	
	A02.2034 GENLEŞME CONTASI EXPANSION GASKET FR60-206T İÇİN	
	A02.2035 GENLEŞME CONTASI EXPANSION GASKET FR60-226T İÇİN	



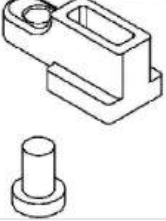


ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION
	A03.2001 10 İNÇ CEPHE MAKASI
	A03.2002 12 İNÇ CEPHE MAKASI
	A03.2003 14 İNÇ CEPHE MAKASI
	A03.2004 16 İNÇ CEPHE MAKASI
	A03.2005 18 İNÇ CEPHE MAKASI
	A03.2006 20 İNÇ CEPHE MAKASI
	A03.2007 22 İNÇ CEPHE MAKASI

ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION
	A03.2008 24 İNÇ CEPHE MAKASI
	A03.2009 26 İNÇ CEPHE MAKASI
	A03.2010 28 İNÇ CEPHE MAKASI
	A03.2011 CEPHE LİMİTLEME MAKASI (LİMİTÖR)
	A03.2012 CEPHE KÖŞE AKTARMA

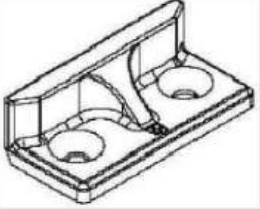




ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION
	A04.2001 CEPHE EKSENEL DÜZ KOL ÇİFT MAÇALI
	A04.2002 CEPHE EKSENEL KIVRIK KOL ÇİFT MAÇALI
	A04.2003 CEPHE EKSENEL MASTER KOL GÖVDESİ ÇİFT MAÇALI
	A04.2004 CEPHE EKSENEL MASTER KOL KULP
	A04.2005 CEPHE KOL MAÇA BAĞLANTI PABUCU





ÇİZİM / DRAWING	ÜRÜN BİLGİLERİ/ PRODUCT DESCRIPTION
	A05.2001 CEPHE SABİT PİM
	A05.2002 CEPHE AYARLI PİM
	A05.2003 CEPHE SABİT ZAMAK KARŞILIK
	A05.2004 CEPHE AYARLI ZAMAK KARŞILIK
	A05.2005 ÜST ORTA KİLİTLEME

