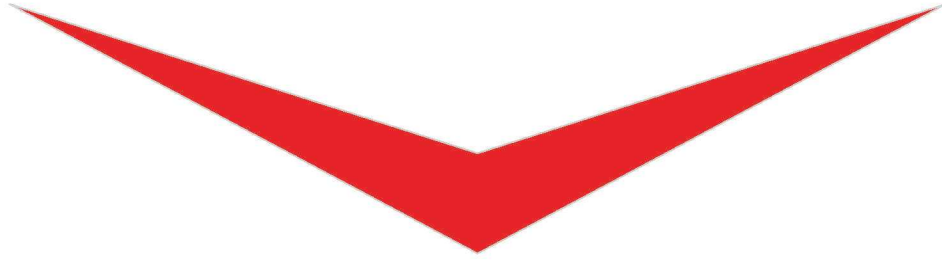




F50-CLASSIC

GİYDİRME CEPHE SİSTEMİ
CURTAIN WALL SYSTEM



Sistem **Al**
A L Ü M İ N Y U M

KATALOGLARIMIZ

W55 / D55 PENCERE VE KAPI SİSTEMLERİ
W55 / D55 WINDOW AND DOOR SYSTEMS

W45 / W65 / W75 PENCERE VE KAPI SİSTEMLERİ
W45 / W65 / W75 WINDOW AND DOOR SYSTEMS

F50 ENERGY YÜKSEK YALITIMLI GİYDİRME CEPHE SİSTEMİ
F50 ENERGY HIGH INSULATED CURTAIN WALL SYSTEM

F50 CLASSIC GİYDİRME CEPHE SİSTEMİ
F50 CLASSIC CURTAIN WALL SYSTEM

ÇELİK TAKVİYELİ CEPHE / IŞIKLIK / CEPHE KAPLAMA SİSTEMLERİ
STEEL REINFORCED FACADE / SKYLIGHT / COATING FOR EXTERIOR MASONRY SYSTEMS

S40 / S45 / S65 / S32 SÜRME SİSTEMLERİ
S40 / S45 / S65 / S32 SLIDING SYSTEMS

OFİS BÖLME SİSTEMLERİ
OFFICE PARTITION SYSTEMS

MİMARİ SİSTEMLER
ARCHITECTURAL SYSTEMS

KOMPOZİT PANEL TEKNİK KATALOG
COMPOSITE PANEL TECHNICAL CATALOGUE

ALUTECHBOND KOMPOZİT PANEL RENK KARTELASI
ALUTECHBOND COMPOSITE PANEL COLOR CHART

PROFİL KATALOĞU
PROFILE CATALOGUE

KATALOGDA BULUNAN MARKA VE ÜRÜNLER, **SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.** BÜNYESİNDE OLUŞTURULMUŞ FİKİR ESERLERİ OLUP, TÜRK PATENT ENSTİTÜSÜ TARAFINDAN TESCİLLENMİŞTİR. HİÇ BİR SURETLE İZİNSİZ ÜRETİLEMEZ, ÇOĞALTILAMAZ. AKSİ DURUMLARDA KANUNİ İŞLEM UYGULANIR

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Basım Yılı: 2022



SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş. 1994 yılında 1 adet 210 ton/ay 800 tonluk kapasitesiyle, İstanbul Merter’de 750 m²’lik alanda alüminyum profil imalatına başlamıştır. Sistem bugün, Ergene-Tekirdağ’da, **90.000 m²**’si kapalı **330.00 m²**’lik bir alan üzerinde, modern bir anlayışla ve tam entegre şekilde inşaa edilmiş tesislerinde, 7 adet alüminyum ekstrüzyon pres hattı ve 2 adet alüminyum kompozit panel hattı ile üretim faaliyetlerini sürdürmektedir. Alüminyum ekstrüzyon üretim kapasitesi yıllık **103.000 tona** ulaşmıştır. Sistem Alüminyum 2020 yılında yaptığı Alüminyum Dövme Pres yatırımıyla yeni bir ürün alanına da adım atmıştır. Yine 2020 yılında doğalgaz kojenarasyon santrali yatırımı tamamlanmış olup, Sistem Alüminyum tesislerinin ihtiyacı olan elektrik enerjisinin büyük bölümü buradan sağlanacaktır.

Tesislerimiz: Kalıphanemizde **22.000** ürünü aşkın bir kalıp arşivimiz bulunmaktadır. Yıllık kapasitesi **20.000 ton** olan Elektrostatik Toz Boya Tesisimizde standart RAL renklerinin yanı sıra müşterimizin özel renk talepleri de karşılanmaktadır. Modern cihazlarla yenilenen boyahane ünitemizle 8000 mm boya sahip profiller boyanabilmektedir. 2006 yılında faaliyete başlayan Eloksal Tesisimiz için 2020 yılında yapılan ilave yatırımlarla son teknolojiye ulaşılmıştır. Müşteri özel renklerinin de çalışıldığı eloksal bölümümüzün yıllık kapasitesi **24.000 tona** ulaşmıştır. Alternatif yüzey kaplaması yapmak üzere 2010 yılında faaliyete geçirdiğimiz Ahşap Transfer Kaplama bölümümüzde özel renk ve desen çalışmaları yapılabilmektedir. 2010 yılında kurulan Mekanik İşlem Merkezimizle müşterilerimizden gelen talepler doğrultusunda profil yüzeyine delme, havşalı delme, boşaltma, CNC işlemleri, hassas kesim, açılı kesim, punch ile delme, matkapla delme, fitil v.b. işlemleri uygulanabilmektedir.

Üretim kapasitesinin büyük bölümünü ihracata ayıran şirketimiz yurt içinde de aynı kalitede hizmet vermektedir. Bu amaçla tümüyle kendi imkân, teknoloji ve **AR-GE** çalışmaları neticesinde; giydirme cephe sistemlerini, yalıtımlı-yalıtımsız doğrama, sürme, ışıklık, çelik takviyeli cephe, kompoze ve taş kaplama alt taşıyıcı sistemlerini **ALUTECH SYSTEM SERIES** markası altında piyasaya sürmüştür. Sektöre sunulan sistemler her aşamada mühendislik testlerinde geçirilmiş ve Avrupa (EN) normlarında tüm aksesuarlarla uyumu sağlanmıştır. Şirketimiz, misyonu gereği müşteri memnuniyetini baz aldığından; gerek optimum çözümler sunan profil dizaynlarımızla, gerek montaj kolaylığı sağlayan detaylarımızla gerekse malzeme kalite ve tedarik hızımızla ayrıcalıklı hizmet vermeyi ilke kabul etmiştir. Ayrıca farklı tasarım ve uygulamalara cevap verebilecek şekilde, cephelerin vazgeçilmez bir unsuru olan Alüminyum Kompozit Paneller, **ALUTECHBOND** markamız altında, **A2, FR ve B2** tiplerde üretilmektedir. Kompozit panel hatlarımızda; dış cephe ve iç cephe uygulamaları için metalik renkli, mat renkli ve desenli renk seçeneklerinde ve istenilen ölçülerde özel panel üretimi yapılabilmektedir. Yıllık **6.000.000 m²** kapasitesi olan iki üretim hattımız ile projelerinize optimum çözüm sunmaya hazırız.

Alüminyum profil sektöründe sürekli gelişmeyi ve kalıcı olmayı hedefleyen firmamız kalite sistem çalışmalarıyla da bu amaca ulaşmada hızlı adımlarla ilerlemektedir. **CE, TSE**, statik toz boya uygulamaları için **Qualicoat**, eloksal uygulamaları için **Qualinoad** belgelerine sahip olan firmamız ayrıca; **IATF 16949, ISO 9001, ISO 14001, ISO 45001, ISO 50001 ve ISO 27001** sistem belgelerine de sahiptir. Ayrıca Sistem Alüminyum, kendisinden temin ettiğiniz malzemeler içinde **REACH** ve **ROHS** kısıtlamasında bulunan kimyasalların (ağır metaller) yasal sınırlar içinde bulunduğunu teyit etmektedir.

Alanında bir ihracat lideri olan Sistem Alüminyum, 2018, 2019 ve 2020 ihracat satışı rakamlarıyla, İstanbul Demir ve Demir Dışı Metaller İhracatçıları Birliği (İDDMİB) tarafından, "**Alüminyum Çubuk ve Profiller**" kategorisinde üst üste iki yıl "**İhracatın Metalik Yıldızı, Birincilik Ödülü**" ile onurlandırılmıştır.

Tüm ürünlerimiz için müşterilerimize her türlü mühendislik ve mimari uyum konusunda teknik hizmet vermekten onur duyarız. Yeni ürünlerimiz ve hizmetlerimizle hizmetinizdeyiz.

Saygılarımızla,



SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş. has started to produce aluminum profiles in 1994. Sistem Alüminyum is an integrated facility that starts from mold production and includes extrusion production, electrostatic powder paint, wood coating, anodizing, mechanical processing, composite panel manufacturing and final applications. Today, the company continues its production activities with 7 aluminum extrusion press lines and 2 aluminum composite panel lines in its facilities established on an area of **90.000 m²** in Ergene-Tekirdağ. The aluminum extrusion facility has annual production capacity to **103.000 tons**.

Our company allocates a large part of its production capacity for exportation and also serves with the same quality in domestic markets. With this purpose, it has released curtain wall systems, isolated-nonisolated frames, sliding, skylight, steel reinforced facade, composite and stone faced sub-carrier systems, under the brand of **ALUTECH SYSTEM SERIES**, as a result of entirely their own efforts, technology and **R & D** activities. Systems presented to the industry have been tested with engineering tests at every stage and compliance with all accessories in European (EN) standards is provided. Our company, which is based on customer satisfaction as of the nature of its mission; adopted the principle of providing exceptional service with the profile designs that provide optimum solutions, with ease of installation with our details and with quality of materials and supply speed.

Facilities: Our die house department supports our current production with CNC processing centers, modern branches and qualified staff. Die production for special customer's profiles is also executed here with modern equipment. We have a huge die archive of more than **22.000** pieces in our diehouse. In our Electrostatic Powder Coating Plant with an annual capacity of **20,000 tons**, besides the standard RAL colors, the special color demands of our customers are also met. Profiles with a length of 8000 mm can be coated in our new paint shop unit commissioned in Ereğli Facility. With the additional investments made in our Anodizing Facility, which was commissioned in 2006, has the latest technology in Turkish aluminum sector. The annual capacity of our anodizing department, where customer-specific colors are also studied, has reached **24,000 tons**. Special color and pattern studies can be carried out in our Wooden Transfer Coating department, which we launched in 2010 to make alternative surface coating. With our Mechanical Processing Center which is established in 2010, in line with the demands of our customers, drilling on the profile surface, countersunk drilling, unloading, blanking, CNC operations, precision cutting, angle cutting, punching, drilling, roving, etc. operations can be applied.

Aluminum Composite Panel is an irreplaceable part of facades, as it can respond to different designs and applications, is produced in our facility. For exterior and interior applications, different composite panels with the options of metallic color, matte color, and patterned colors are available and panels can be produced in the required measurements. With two production lines that have an annual capacity of **6 million m²**. Aluminum Composite Panels are produced under **ALUTECHBOND** brand in **A2, FR** and **B2** types. We are ready to offer the optimum solutions for your indoor and outdoor façade projects.

Our company, which aims to develop and be permanent in the aluminum profile sector, is taking fast steps to achieve this goal with its quality system studies. Our company has **CE, TSE, Qualicoat** for static powder paint applications, **Qualinoad** for anodizing applications. Sistem also has **IATF 16949, ISO 9001, ISO 14001, ISO 45001, ISO 50001** and **ISO 27001** system certificates. In addition, Sistem Alüminyum confirms that the chemicals (heavy metals) that are under **REACH** and **ROHS** restrictions are within legal limits.

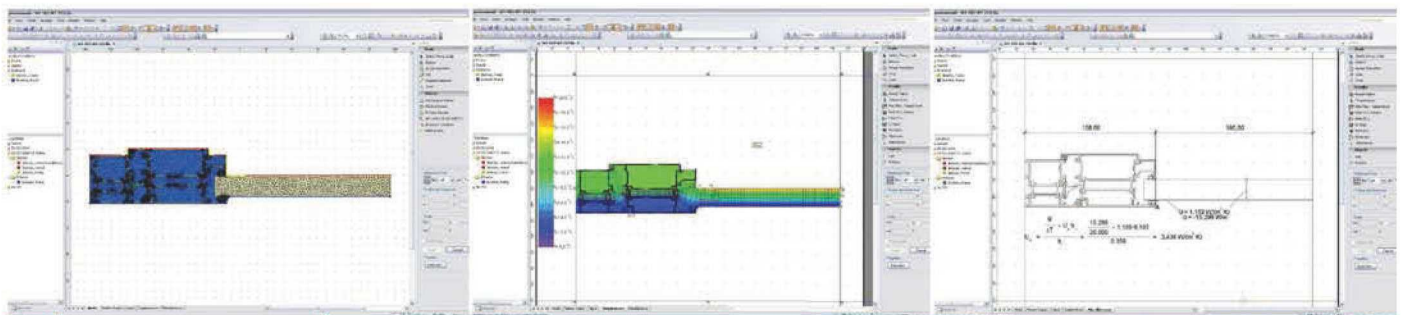
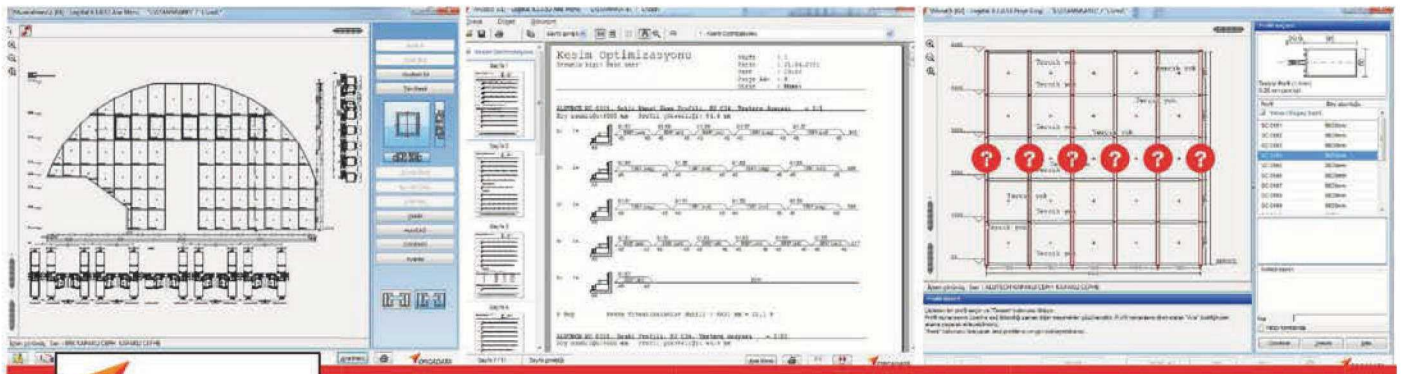
Sistem Alüminyum has also stepped into a new product area with the Aluminum Forging Press investment made in 2020. In this year, the natural gas cogeneration plant investment was completed, and most of the electrical energy needed by Sistem Alüminyum facilities will be supplied from here.

Sistem Alüminyum is an award-winning export leader: We have "**Metallic Star of Export, First Prize Award**" for two consecutive years, in the category of "**Aluminum Rods and Profiles**" by the Istanbul Ferrous and Non-Ferrous Metals Exporters Association / IDDMIB (with the 2018, 2019 and 2020 export sales figures).

We are honored to provide technical services to our customers for all kinds of engineering and architectural harmony for all our products. We are at your service with our new products and services.

Best Regards.





Teknik kataloglarımız 3 adımda cebinizde.

Tüm teknik kataloglarımız,
ihtiyacınız olduğu her an yanınızda:

Mobil uygulamamızı indirin, hem şirketimiz
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ihtiyacınız olan tüm teknik bilgileri, ciltlerce
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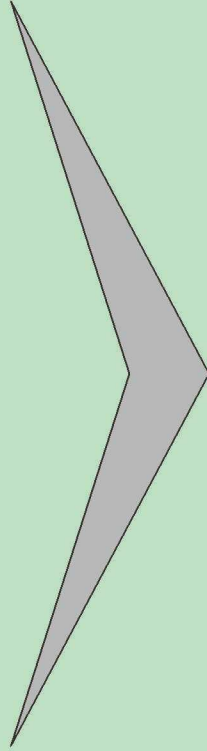


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Sistem **Al**
A L Ü M İ N Y U M

TEKNİK ÖZELLİKLER

TECHNICAL PROPERTIES



► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
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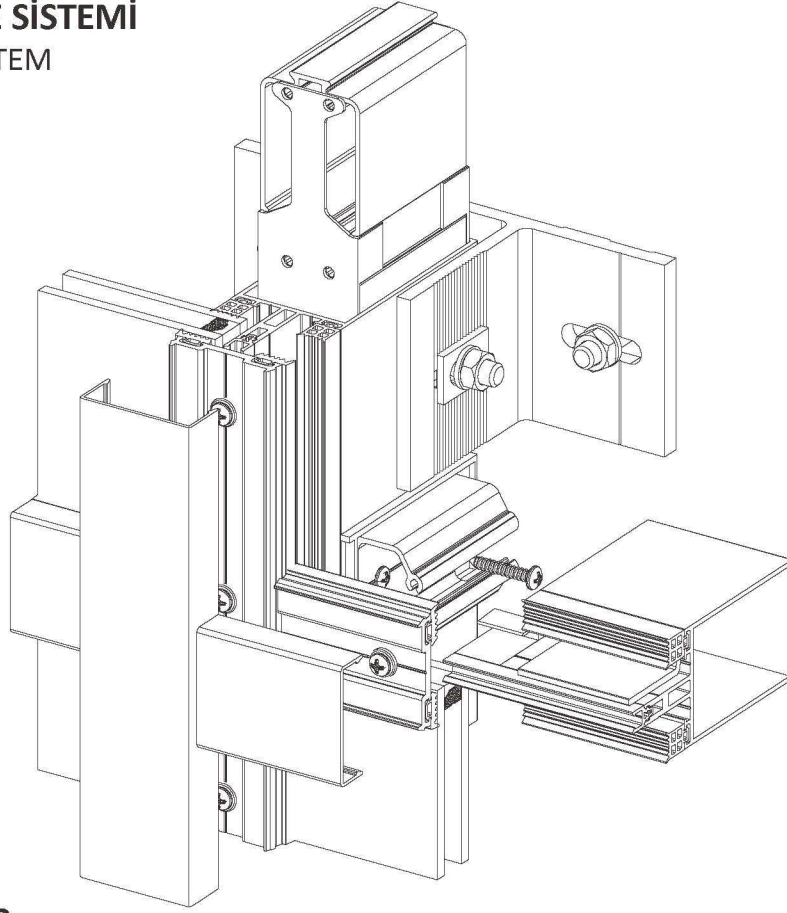
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GİYDİRME CEPHE SİSTEMİ CURTAIN WALL SYSTEM



TEKNİK ÖZELLİKLER TECHNICAL PROPERTIES

PROFİL GENİŞLİKLERİ / PROFILE WIDTHS :	50 mm
DİKME DERİNLİKLERİ / MULLION DEPTHS :	35,55,75,95,115,135,155,175,195
KAYIT DERİNLİKLERİ / TRANSOM DEPTHS :	35,55,75,95,115,135,155,175,195
PROFİL ET KALINLIĞI / PROFILE WALL THICKNESS :	1,4 mm - 2,1 mm
MAX. CAM KALINLIĞI / MAX. GLASS THICKNESS :	40 mm
ISI BARIYERLERİ / INSULATION BARS :	4 mm - 28 mm
ISI YALITIM DEĞERİ (Uf) / THERMAL INS. VALUE (Uf) :	2,33 W/m ² K - 5,14 W/m ² K

KULLANIM SEÇENEKLERİ APPLICATION ALTERNATIVES

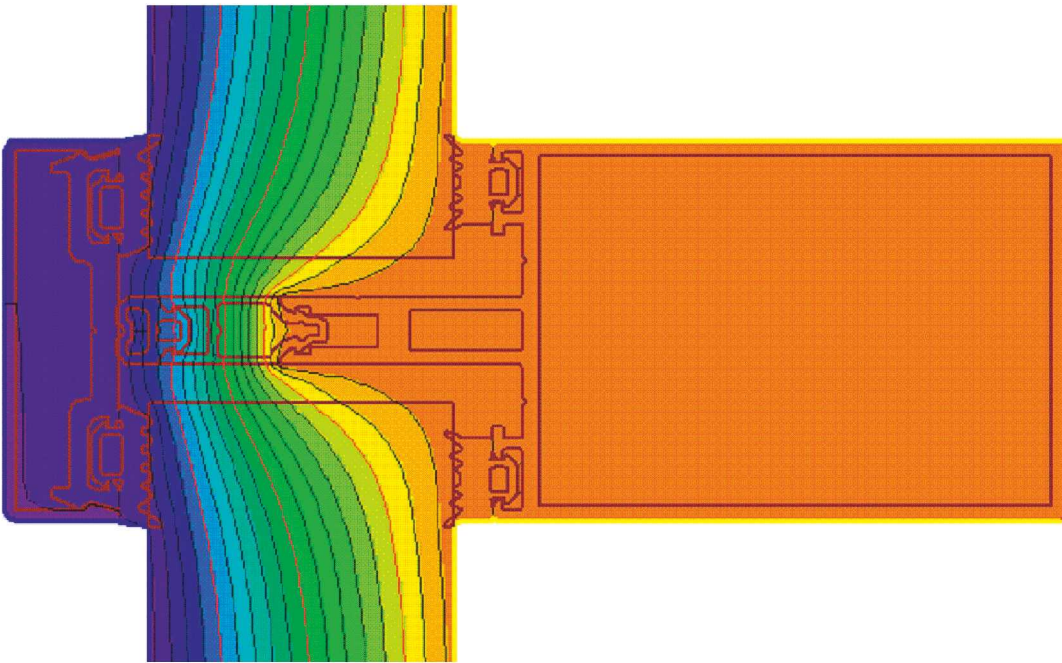
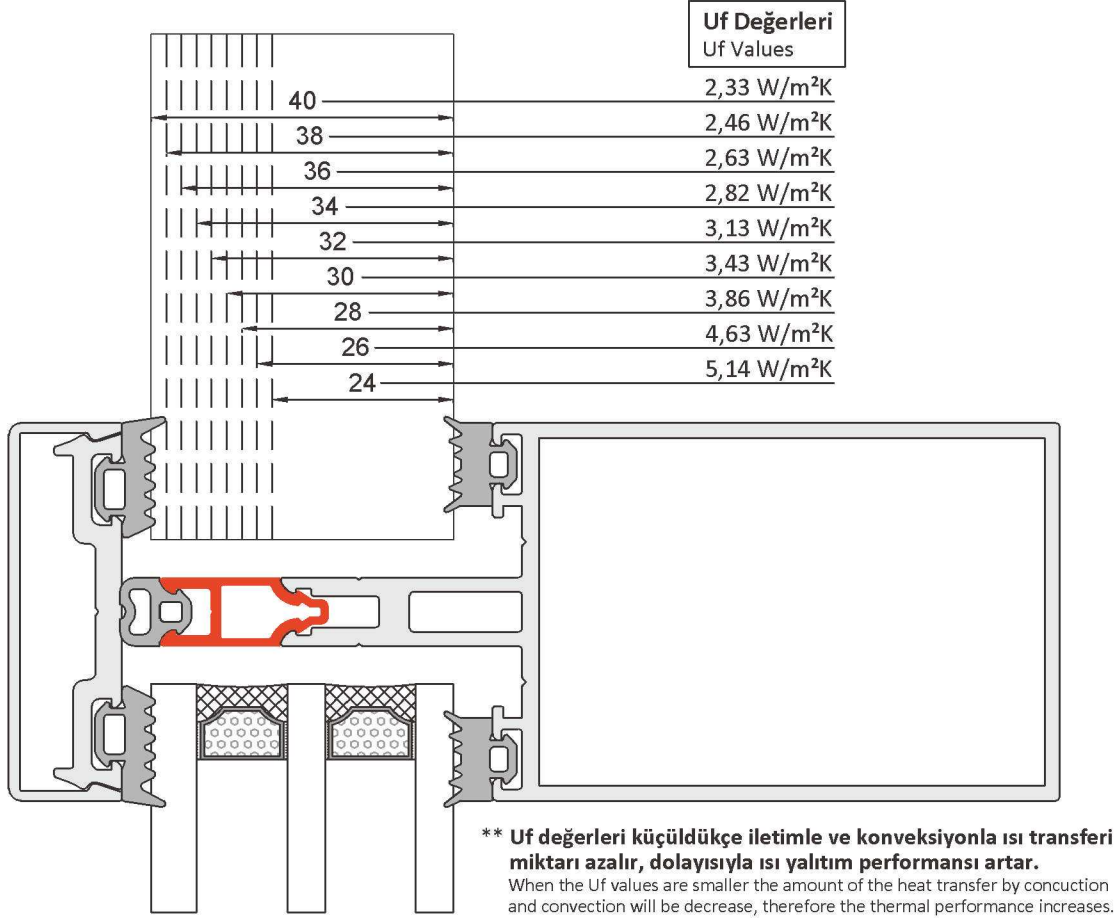
KAPAKLI CEPHE / CAPPED CURTAIN WALL :	●
SİLİKON DERZLİ CAM CEPHE / FOUR SIDED SILICONE CURTAIN WALL :	●
YARI KAPAKLI CEPHE / TWO SIDED CURTAIN WALL :	●
KASETLİ SİLİKON CEPHE / SILICONE C.W WITH STRUCTURAL CELLS :	●
DIŞA TERS VASİSTAS G.K. / TOP HUNG OUTWARD OPENING HIDDEN VENT :	●

ISI YALITIM DEĞERLERİ

THERMAL INSULATION VALUES

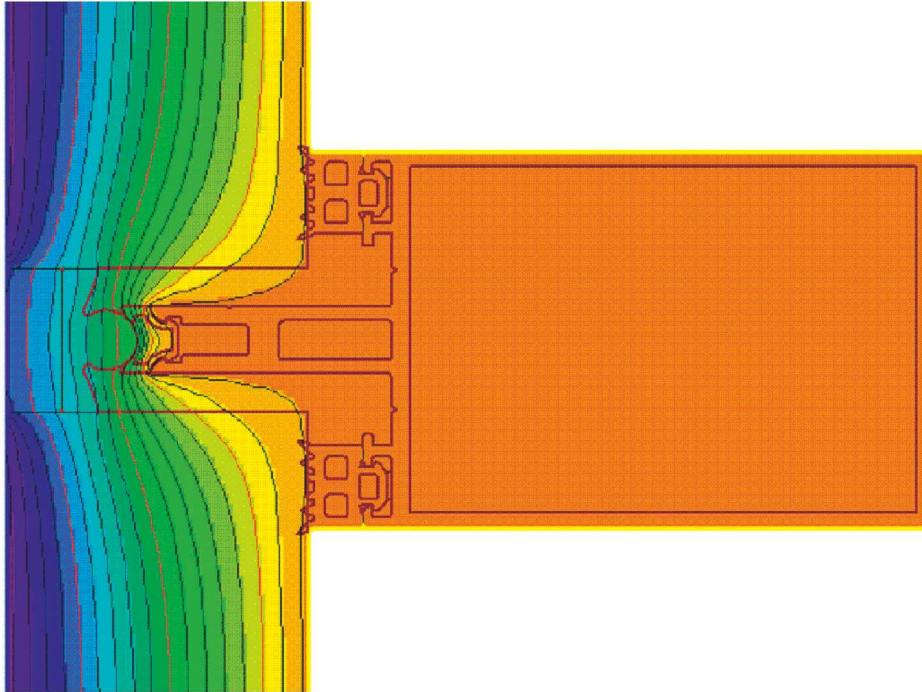
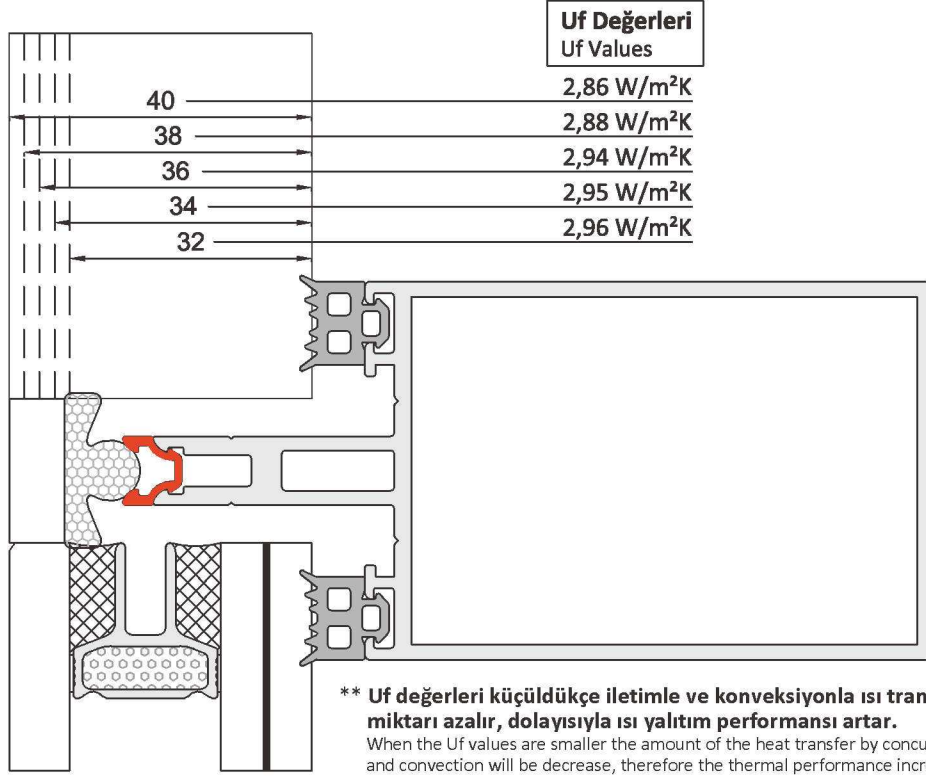
KAPAKLI CEPHEDE CAM KALINLIĞINA BAĞLI Uf DEĞERLERİ

UF VALUES ACCORDING TO THE GLASS THICKNESS IN CAPPED CURTAIN WALL



ISI YALITIM DEĞERLERİ THERMAL INSULATION VALUES

SİLİKON DERZLİ CAM CEPHEDE CAM KALINLIĞINA BAĞLI Uf DEĞERLERİ UF VALUES ACCORDING TO THE GLASS THICKNESS IN FOUR SIDED SILICONE CURTAIN WALL

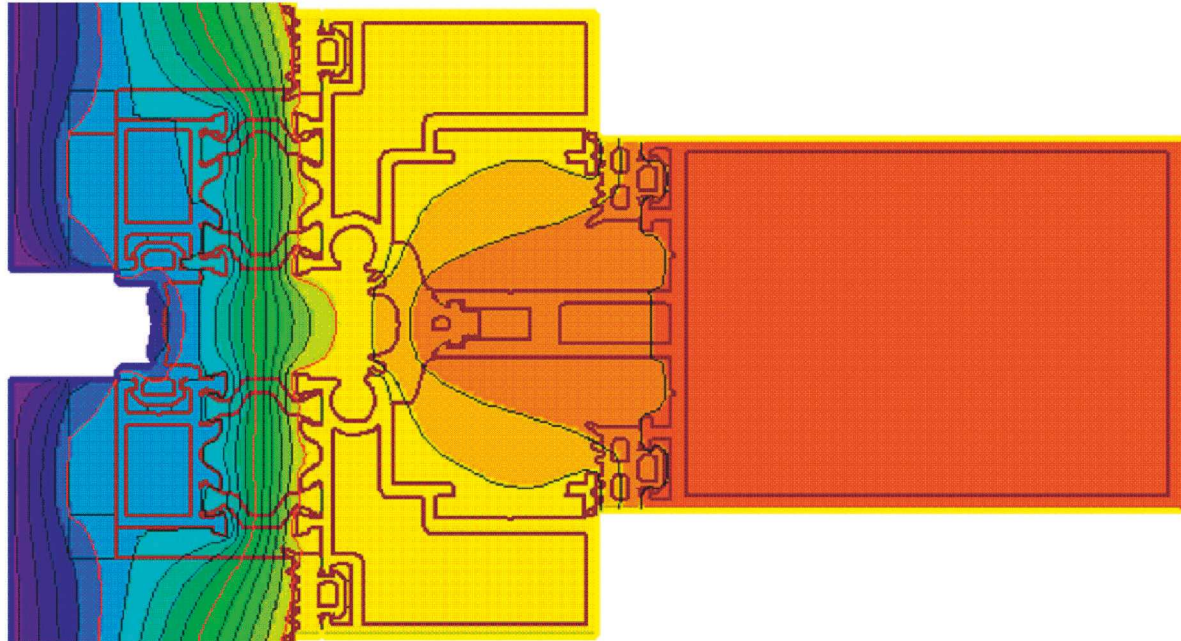
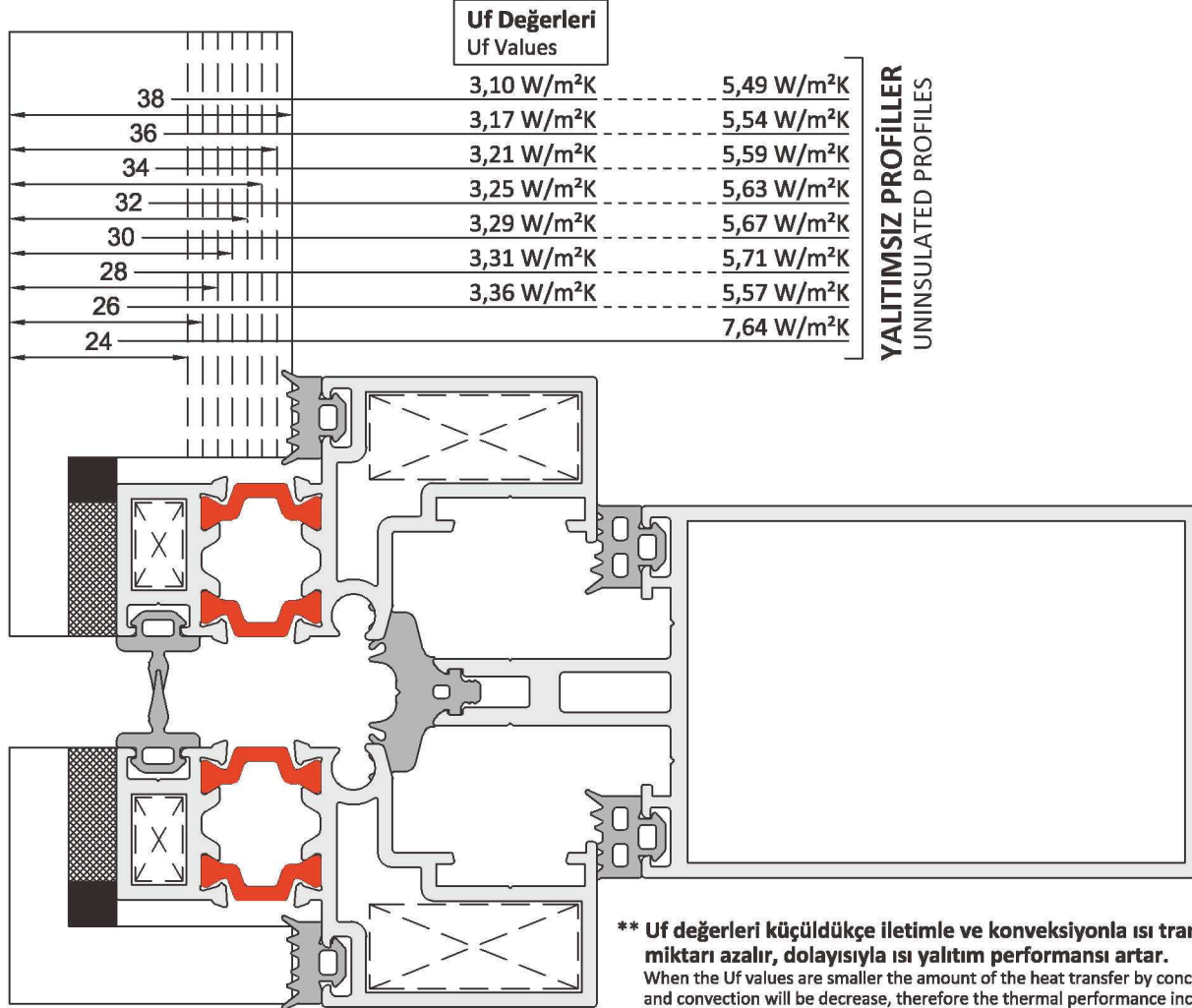


ISI YALITIM DEĞERLERİ

THERMAL INSULATION VALUES

KASETLİ SİLİKON CEPHEDE CAM KALINLIĞINA BAĞLI Uf DEĞERLERİ

UF VALUES ACCORDING TO THE GLASS THICKNESS IN SILICONE C.W. WITH STRUCTURAL CELLS



HAVA-SU-RÜZGAR PERFORMANS TEST SONUÇLARI - 1

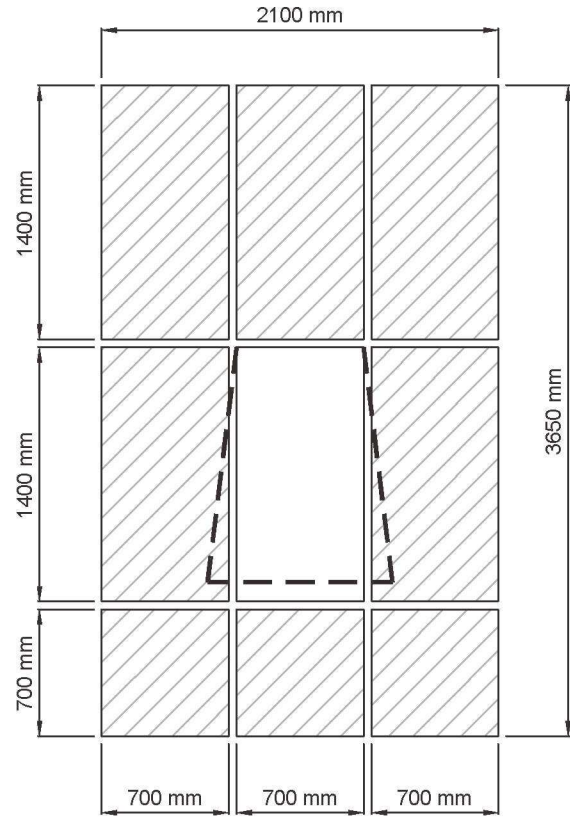
AIR-WATER-WIND PERFORMANCE TEST RESULTS - 1

- F50-Classic kapaklı cephe sistemiyle gerçekleştirilen hava-su-rüzgar performans test sonuçlarıdır.
There are the air-water-wind performance test results with the F50-Classic capped curtain wall system.



Test Numunesinin Ebatları

Test Sample Dimensions



Kapaklı Cephe / Capped Curtain Wall

Genişlik / Width: **2150 mm**

Yükseklik / Height: **3650 mm**

KAPAKLI CEPHE TEST SONUÇLARI

CAPPED CURTAIN WALL TEST RESULTS

HAVA GEÇİRGENLİĞİ - EN 12152
(AIR PERMEABILITY)

A1
(150 Pa)

A2
(300 Pa)

A3
(450 Pa)

A4
(600 Pa)

AE
(750 Pa)

SU SIZDIRMAZLIĞI - EN 12154
(WATERTIGHTNESS)

R4
(150 Pa)

R5
(300 Pa)

R6
(450 Pa)

R7
(600 Pa)

RE...
(750+ Pa)

RE1500
(1500 Pa)

RÜZGAR YÜKÜNE DAYANIM - EN 13116
(RESISTANCE TO WIND LOAD)

2000 Pa (Emniyet Testi: 3000 Pa)

** Akredite kuruluştan onaylı orijinal belge görseline kataloğun sonundaki "sertifikalar" bölümünden ulaşılabilir. / Paper image approved from accredited society can be reached at the end of the catalogue "certificates" section.

* Daha detaylı bilgi için, lütfen test raporlarını isteyiniz. / For further information, please ask for the test report s.

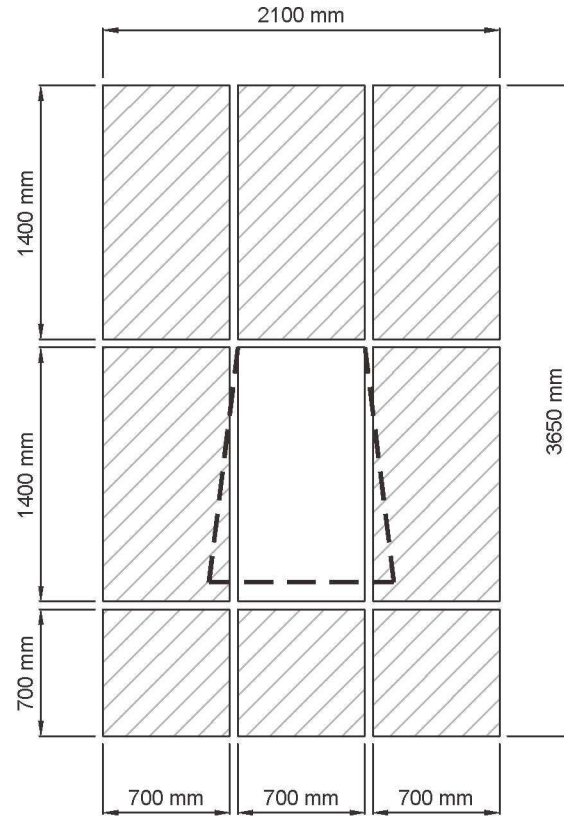
HAVA-SU-RÜZGAR PERFORMANS TEST SONUÇLARI - 2

AIR-WATER-WIND PERFORMANCE TEST RESULTS - 2

- F50-Classic silikon derzli cam cephe sistemiyle gerçekleştirilen hava-su-rüzgar performans test sonuçlarıdır.
There are the air-water-wind performance test results with the F50-Classic four sided silicone curtain wall system.

Test Numunesinin Ebatları

Test Sample Dimensions



Silikon Cam Cephe / Foursided Curtain Wall

Genişlik / Width: 2150 mm

Yükseklik / Height: 3650 mm

SİLİKON DERZLİ CAM CEPHE TEST SONUÇLARI

FOUR SIDED SILICONE CURTAIN WALL TEST RESULTS

HAVA GEÇİRGENLİĞİ - EN 12152
(AIR PERMEABILITY)

A1 (150 Pa)	A2 (300 Pa)	A3 (450 Pa)	A4 (600 Pa)	AE (750 Pa)
----------------	----------------	----------------	----------------	----------------

SU SIZDIRMAZLIĞI - EN 12154
(WATERTIGHTNESS)

R4 (150 Pa)	R5 (300 Pa)	R6 (450 Pa)	R7 (600 Pa)	RE... (750+ Pa)	RE1200 (1200 Pa)
----------------	----------------	----------------	----------------	--------------------	---------------------

RÜZGAR YÜKÜNE DAYANIM - EN 13116
(RESISTANCE TO WIND LOAD)

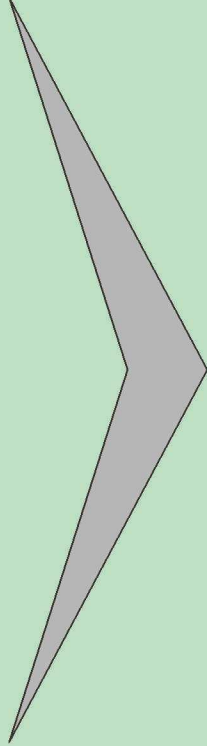
2000 Pa (Emniyet Testi: 3000 Pa)

** Akredite kuruluştan onaylı orijinal belge görseline kataloğun sonundaki "sertifikalar" bölümünden ulaşılabilir. / Paper image approved from accredited society can be reached at the end of the catalogue "certificates" section.

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PROFİL FİHRİSTİ

PROFILE INDEX



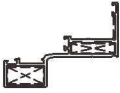
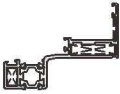
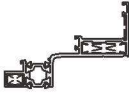
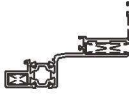
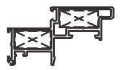
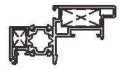
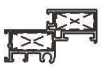
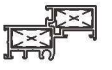
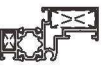
► KATALOGDA BELİRTİLEN TÜM PROFİL AĞIRLIKLARI TEORİK OLUP PROFİLLERİN PRES(HAM) HALLERİNE AİTTİR. ISI BARIYERİ ÇEŞİDİNE VEYA PROFİL YÜZEYİNDEKİ BOYA KALINLIKLARINA BAĞLI OLARAK AĞIRLIK FARKLILIKLARI OLUŞABİL MEKTEDİR. WEIGHTS IN THIS CATALOGUE ARE THEORETICAL AND BELONG TO MILL FINISH SURFACE. ACCORDING TO THE INSULATION BAR TYPE OR THICKNESSES OF THE PAINT ON THE PROFILE SURFACE, THERE COULD BE WEIGHT DIFFERENCES.

► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR. SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP201	DİKME PROFİLİ (35 mm/1.4 mm) MULLION PROFILE		1,150	16
FP202	DİKME PROFİLİ (35 mm/2 mm) MULLION PROFILE		1,320	16
FP203	DİKME PROFİLİ (55 mm/1.4 mm) MULLION PROFILE		1,327	16
FP204	DİKME PROFİLİ (55 mm/2 mm) MULLION PROFILE		1,562	16
FP205	DİKME PROFİLİ (75 mm/1.4 mm) MULLION PROFILE		1,479	17
FP206	DİKME PROFİLİ (75 mm/2 mm) MULLION PROFILE		1,779	17
FP207	DİKME PROFİLİ (95 mm/1.4 mm) MULLION PROFILE		1,631	17
FP208	DİKME PROFİLİ (95 mm/2 mm) MULLION PROFILE		1,995	17
FP209	DİKME PROFİLİ (115 mm/1.4 mm) MULLION PROFILE		1,834	18
FP210	DİKME PROFİLİ (115 mm/2 mm) MULLION PROFILE		2,262	18
FP211	DİKME PROFİLİ (135 mm/1.6 mm) MULLION PROFILE		2,127	19
FP212	DİKME PROFİLİ (135 mm/2 mm) MULLION PROFILE		2,479	19
FP213	DİKME PROFİLİ (155 mm/1.7 mm) MULLION PROFILE		2,378	20
FP214	DİKME PROFİLİ (155 mm/2 mm) MULLION PROFILE		2,696	20
FP215	DİKME PROFİLİ (175 mm/1.8 mm) MULLION PROFILE		2,653	21

PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP216	DİKME PROFİLİ (175 mm/2 mm) MULLION PROFILE		2,912	21
FP217	DİKME PROFİLİ (195 mm/2.1 mm) MULLION PROFILE		3,206	22
FP225	KÖŞE DÖNÜŞ PROFİLİ (75 mm) CORNER PROFILE		2,566	23
FP301	YALITIMSIZ KASA PROFİLİ UNINSULATED FRAME PROFILE		1,053	23
FP302	YALITIMLI KASA PROFİLİ INSULATED FRAME PROFILE		1,235	23
FP303	YALITIMLI KASA PROFİLİ INSULATED FRAME PROFILE		1,256	24
FP304	YALITIMLI KASA PROFİLİ INSULATED FRAME PROFILE		1,272	24
FP326	YALITIMSIZ KANAT PROFİLİ UNINSULATED VENT PROFILE		0,903	23
FP327	YALITIMSIZ KANAT PROFİLİ UNINSULATED VENT PROFILE		1,035	24
FP328	YALITIMLI KANAT PROFİLİ INSULATED VENT PROFILE		1,236	24
FP351	YALITIMSIZ KASET PROFİLİ (1.5mm) UNINSULATED STRUCTURAL CELL		0,870	25
FP352	YALITIMSIZ KASET PROFİLİ (2mm) UNINSULATED STRUCTURAL CELL		1,017	25
FP353	YALITIMSIZ KASET PROFİLİ (1.5mm) UNINSULATED STRUCTURAL CELL		0,977	25
FP354	YALITIMSIZ KASET PROFİLİ (2mm) UNINSULATED STRUCTURAL CELL		1,153	25
FP355	YALITIMLI KASET PROFİLİ (1.5mm) INSULATED STRUCTURAL CELL		1,207	26

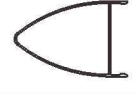
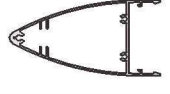
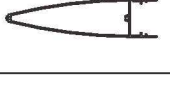
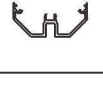
PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP356	YALITIMLI KASET PROFİLİ (2mm) INSULATED STRUCTURAL CELL		1,382	26
FP357	SPANDREL KASET PROFİLİ SPANDREL STRUCTURAL CELL		0,570	26
FP358	SPANDREL KASET PROFİLİ SPANDREL STRUCTURAL CELL		0,645	26
FP359	SPANDREL BÖLGE PANEL PROFİLİ PANEL PROFILE FOR SPANDREL AREA		0,437	27
FP361	SPANDREL BÖLGE PANEL PROFİLİ PANEL PROFILE FOR SPANDREL AREA		0,468	27
FP376	CAM ARASI KİTLEME PROFİLİ LOCKING PR. FOR DOUBLE GLAZED GLASS		0,251	34
FP390	CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE		0,277	34
FP391	CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE		0,308	34
FP392	CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE		0,338	34
FP393	CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE		0,368	34
FP395	CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE		0,406	34
FP396	KASET KİTLEME PROFİLİ LOCKING PR. FOR STRUCTURAL CELL		0,196	34
FP397	KASET KİTLEME PROFİLİ LOCKING PR. FOR STRUCTURAL CELL		0,192	34
FP398	20mm ÖZEL ISICAM ÇITASI 20mm SPECIAL GLASS SPACER		0,240	27
FP399	YAPIŞMA YÜZEY PROFİLİ BONDING SURFACE PROFILE		0,109	27

PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP400	KANAT CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE FOR VENT		0,078	34
FP401	KANAT CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE FOR VENT		0,117	34
FP402	KASET CAM ALTI DESTEK PROFİLİ GLAZING SUPPORT PROFILE FOR STR. CELL		0,205	34
FP426	BASKI KAPAK PROFİLİ PRESSURE CAP PROFILE		0,395	28
FP427	BASKI KAPAK PROFİLİ PRESSURE CAP PROFILE		0,496	28
FP428	BASKI KAPAK PROFİLİ PRESSURE CAP PROFILE		0,413	28
FP429	BASKI KAPAK PROFİLİ PRESSURE CAP PROFILE		0,494	28
FP430	BASKI KAPAK PROFİLİ PRESSURE CAP PROFILE		0,183	28
FP440	KAPAK PROFİLİ CAP PROFILE		0,043	28
FP441	KAPAK PROFİLİ (12 mm) CAP PROFILE		0,283	28
FP442	KAPAK PROFİLİ (15 mm) CAP PROFILE		0,308	28
FP443	KAPAK PROFİLİ (20 mm) CAP PROFILE		0,343	28
FP444	KAPAK PROFİLİ (25 mm) CAP PROFILE		0,403	28
FP445	KAPAK PROFİLİ (30 mm) CAP PROFILE		0,455	29
FP446	KAPAK PROFİLİ (50 mm) CAP PROFILE		0,745	29

PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP447	KAPAK PROFİLİ (75 mm) CAP PROFILE		0,954	29
FP448	KAPAK PROFİLİ (100 mm) CAP PROFILE		1,273	29
FP449	KAPAK PROFİLİ (150 mm) CAP PROFILE		2,065	30
FP450	KAPAK PROFİLİ (200 mm) CAP PROFILE		3,006	30
FP461	KAPAK PROFİLİ (18.5 mm) CAP PROFILE		0,262	31
FP462	KAPAK PROFİLİ (30 mm) CAP PROFILE		0,397	31
FP463	KAPAK PROFİLİ (50 mm) CAP PROFILE		0,611	29
FP464	KAPAK PROFİLİ (75 mm) CAP PROFILE		0,753	31
FP465	KAPAK PROFİLİ (75 mm) CAP PROFILE		0,879	31
FP466	KAPAK PROFİLİ (100 mm) CAP PROFILE		1,214	31
FP467	KAPAK PROFİLİ (150 mm) CAP PROFILE		1,885	32
FP468	KAPAK PROFİLİ (200 mm) CAP PROFILE		2,779	32
FP479	DIŞ KÖŞE DÖNÜŞ KAPAK PROFİLİ OUTER CORNER CAP PROFILE		1,804	33
FP480	İÇ KÖŞE BASKI KAPAK PROFİLİ INNER CORNER PRESSURE CAP PROFILE		0,384	33
FP481	İÇ KÖŞE DÖNÜŞ KAPAK PROFİLİ INNER CORNER CAP PROFILE		0,251	33

PROFİL FİHRİSTİ / PROFILE INDEX

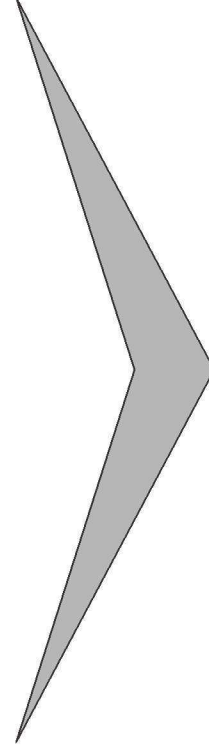
PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP482	AÇILI BASKI KAPAK PROFİLİ ANGULAR PRESSURE CAP PROFILE		0,527	33
FP483	AÇILI KAPAK PROFİLİ ANGULAR CAP PROFILE		0,562	33
FP484	AÇILI BASKI KAPAK PROFİLİ ANGULAR PRESSURE CAP PROFILE		0,614	33
FP485	AÇILI KAPAK PROFİLİ ANGULAR CAP PROFILE		0,674	33
FP489	AÇILI CAM ÇİTASI ANGULAR GLAZING BEAD		0,098	27
FP490	AÇILI CAM ÇİTASI ANGULAR GLAZING BEAD		0,105	27
FP491	AÇILI CAM ÇİTASI ANGULAR GLAZING BEAD		0,112	27
FP492	CAM ÇİTASI (6 mm) GLAZING BEAD		0,096	27
FP493	CAM ÇİTASI (14 mm) GLAZING BEAD		0,154	27
FP494	CAM ÇİTASI (16 mm) GLAZING BEAD		0,183	27
FP495	CAM ÇİTASI (18 mm) GLAZING BEAD		0,196	27
FP496	CAM ÇİTASI (20 mm) GLAZING BEAD		0,209	27
FP497	CAM ÇİTASI (22 mm) GLAZING BEAD		0,222	27
FP488	CAM ÇİTASI (24 mm) GLAZING BEAD		0,235	27
FP498	CAM ÇİTASI (30 mm) GLAZING BEAD		0,274	27

PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
FP499	ADAPTÖR PROFİLİ ADAPTER PROFILE		0,329	28
FP500	TİJ PROFİLİ ROD PROFILE		0,096	27
FP501	DİLATASYON PROFİLİ DILATATION PROFILE		3,864	36
FP510	GÜNEŞ KIRICILAR İÇİN BAĞLANTI PR. CARRIER PROFILE FOR SUNBREAKERS		3,311	36
FP511	U BAĞLANTI PROFİLİ U CONNECTION PROFILE		0,821	35
FP512	T BAĞLANTI PROFİLİ T CONNECTION PROFILE		0,470	35
FP513	T BAĞLANTI PROFİLİ T CONNECTION PROFILE		1,002	35
FP514	AÇILI U BAĞLANTI PROFİLİ ANGULAR U CONNECTION PROFILE		0,947	35
FP520	KÖŞE TAKOZU CORNER CLEAT		1,974	35
FP521	KÖŞE TAKOZU CORNER CLEAT		2,366	35

PROFİLLER

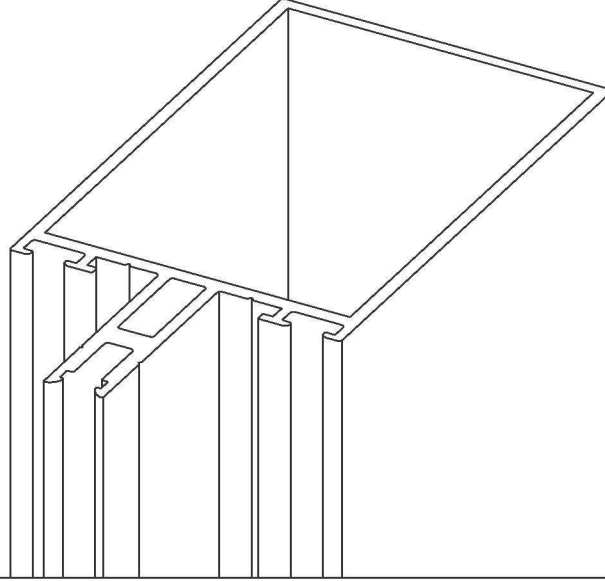
PROFILES



- KATALOGDA BELİRTİLEN TÜM PROFİL AĞIRLIKLARI TEORİKTİR. ISI BARIYERİ ÇEŞİDİNE VEYA PROFİL YÜZEYİNDEKİ BOYA KALINLIĞINA BAĞLI OLARAK AĞIRLIK FARKLILIKLARI OLUŞABİLİR.
WEIGHTS IN THIS CATALOGUE ARE THEORETICAL. ACCORDING TO THE INSULATION BAR TYPE OR THICKNESS OF THE PAINT ON THE PROFILE SURFACE, THERE CAN BE DIFFERENT WEIGHTS.
- SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALUMINIUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

STATİK DEĞERLER TABLOSU

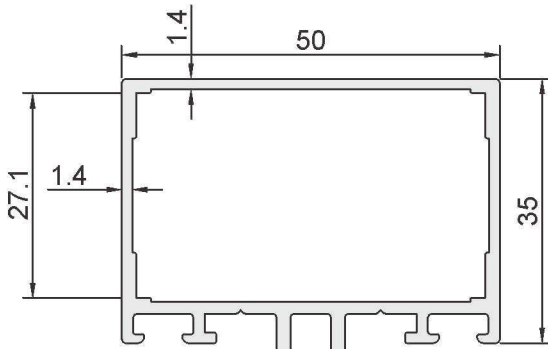
TABLE OF THE STATIC VALUES



TAŞIYICI DÜŞEY & YATAY PROFİLLER / MULLION & TRANSOM PROFILES

PR. NUMARASI PROFILE NO.	PR. DERİNLİĞİ PROFILE DEPTH	ET KALINLIĞI WALL THICKNESS	SIRT ET KALINLIĞI BACK WALL THICKNESS	Wx (cm³)	Wy (cm³)	Jx (cm⁴)	Jy (cm⁴)	AĞIRLIK WEIGHT (kg/m)
FP201	35mm	1.4mm	1.4mm	4,09	4,04	14,17	10,10	1,150
FP202	35mm	2mm	1.9mm	4,39	4,73	15,93	11,84	1,320
FP203	55mm	1.4mm	1.4mm	7,36	5,43	30,95	13,58	1,327
FP204	55mm	2mm	1.9mm	8,03	6,65	35,63	16,62	1,562
FP205	75mm	1.4mm	1.4mm	10,77	6,76	57,03	16,89	1,479
FP206	75mm	2mm	1.9mm	12,58	8,49	66,57	21,23	1,779
FP207	95mm	1.4mm	1.4mm	14,49	8,08	93,67	20,20	1,631
FP208	95mm	2mm	1.9mm	17,88	10,34	110,45	25,84	1,995
FP209	115mm	1.4mm	1.8mm	20,58	9,54	152,24	23,86	1,834
FP210	115mm	2mm	2.3mm	25,55	12,31	177,74	30,77	2,262
FP211	135mm	1.6mm	1.8mm	26,73	12,02	223,87	30,40	2,127
FP212	135mm	2mm	2.3mm	31,25	14,15	255,44	35,39	2,479
FP213	155mm	1.7mm	1.8mm	33,25	14,14	312,21	35,36	2,378
FP214	155mm	2mm	2.3mm	38,30	16,00	351,36	39,99	2,696
FP215	175mm	1.8mm	1.8mm	40,77	16,45	426,36	41,12	2,653
FP216	175mm	2mm	2.3mm	45,71	17,84	467,15	44,60	2,912
FP217	195mm	2.1mm	2.3mm	54,97	20,41	615,02	51,02	3,225

F50-CLASSIC

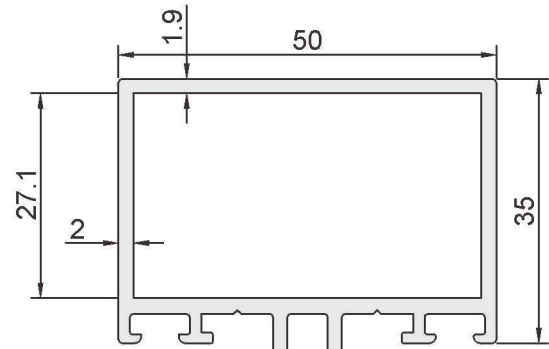


FP201			
Jx (cm ⁴)	Jy (cm ⁴)	$\begin{matrix} y \\ x \end{matrix}$	$\begin{matrix} x \\ y \end{matrix}$
14,17	10,10		
Wx (cm ³)	Wy (cm ³)		
4,09	4,04		
AĞIRLIK / WEIGHT (KG/M.) 1,150			

DİLATASYON BAĞLANTISI
DILATATION CONNECTION
310071

Y. KAYIT BAĞLANTISI (U,K)
TRANSOM CONNECTION
310080 (U) , 380005 (K)

YATAY KAYIT CONTASI (U,K)
TRANSOM PLUG
330019 (U) , 330028 (K)



FP202			
Jx (cm ⁴)	Jy (cm ⁴)	$\begin{matrix} y \\ x \end{matrix}$	$\begin{matrix} x \\ y \end{matrix}$
15,93	11,84		
Wx (cm ³)	Wy (cm ³)		
4,39	4,73		
AĞIRLIK / WEIGHT (KG/M.) 1,320			

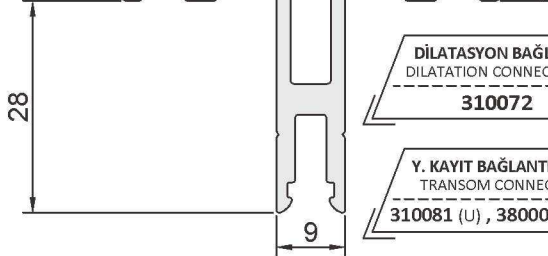
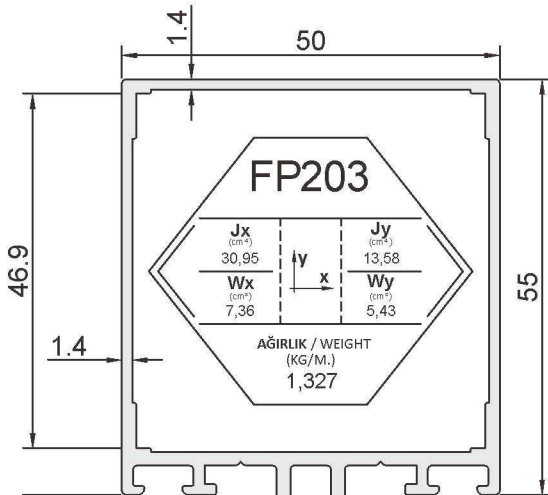
DİLATASYON BAĞLANTISI
DILATATION CONNECTION
310071

Y. KAYIT BAĞLANTISI (U,K)
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YATAY KAYIT CONTASI (U,K)
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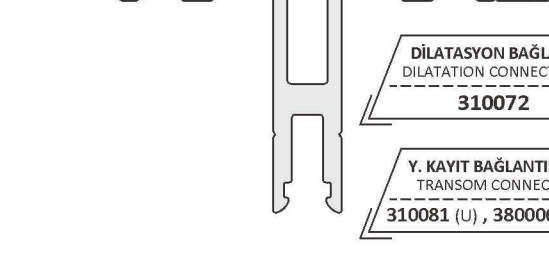
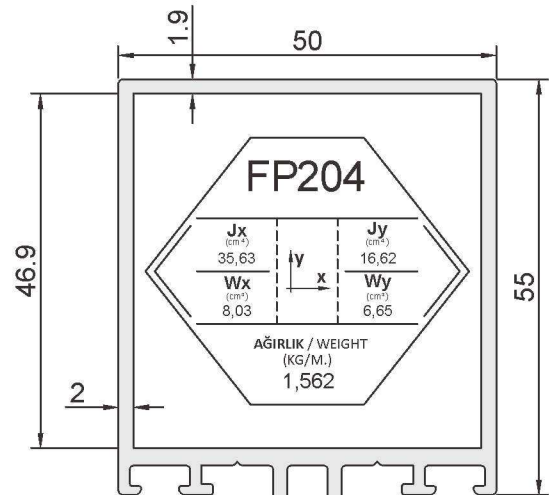


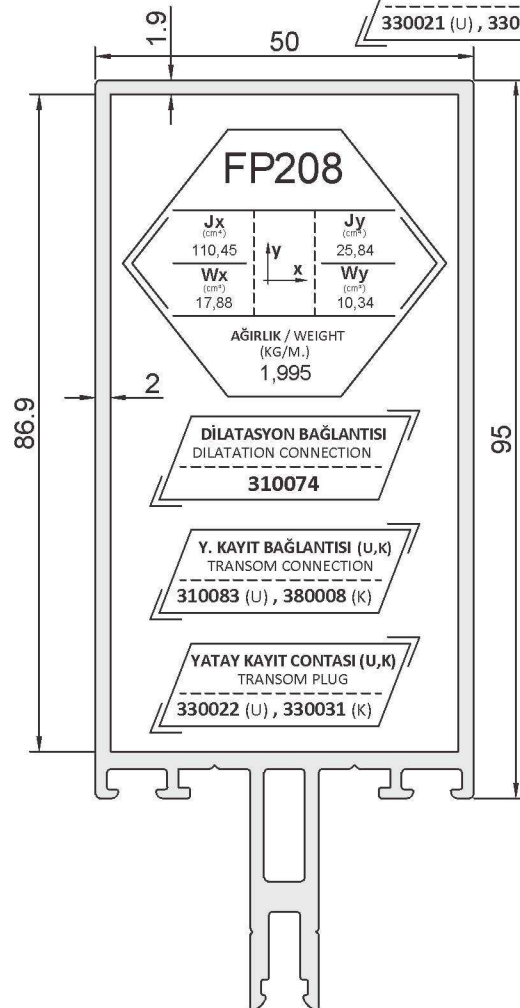
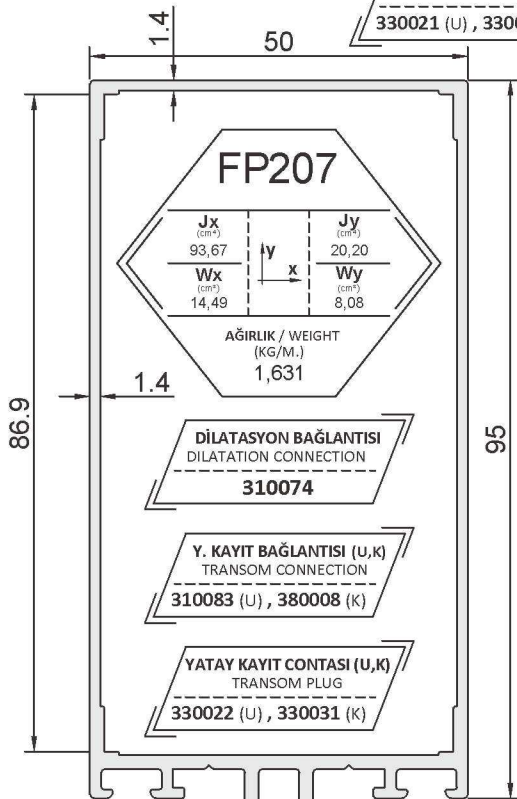
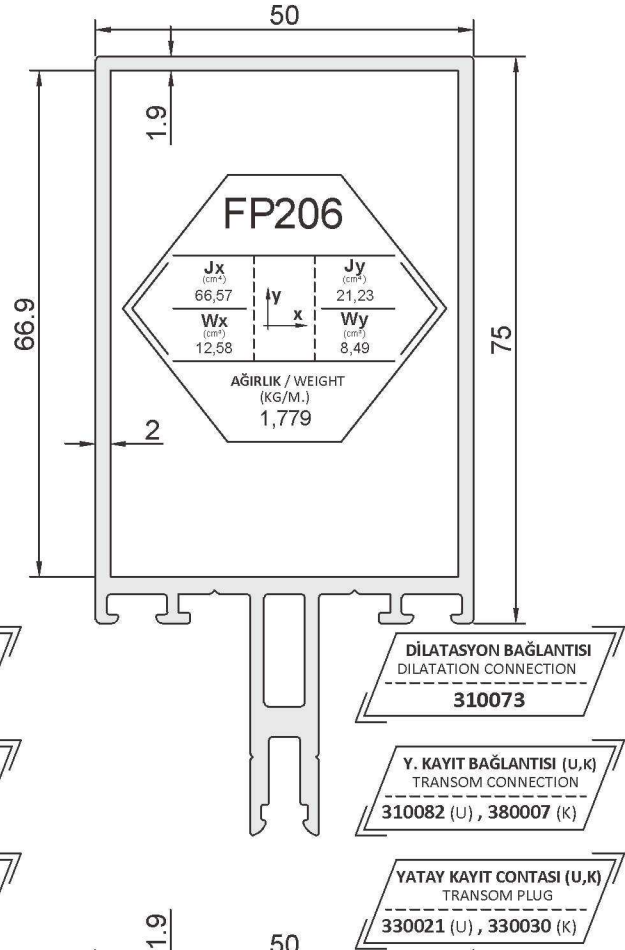
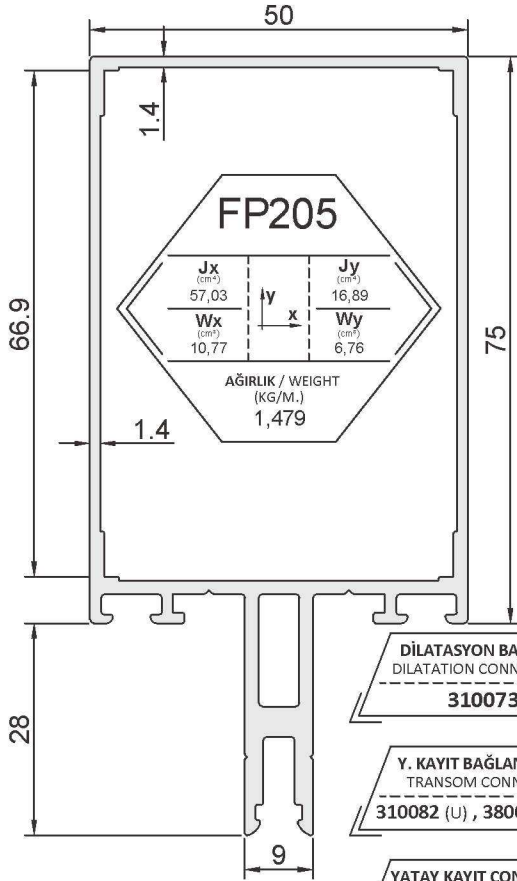
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alınız. / Please receive information from
sales representative about this profile.



(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

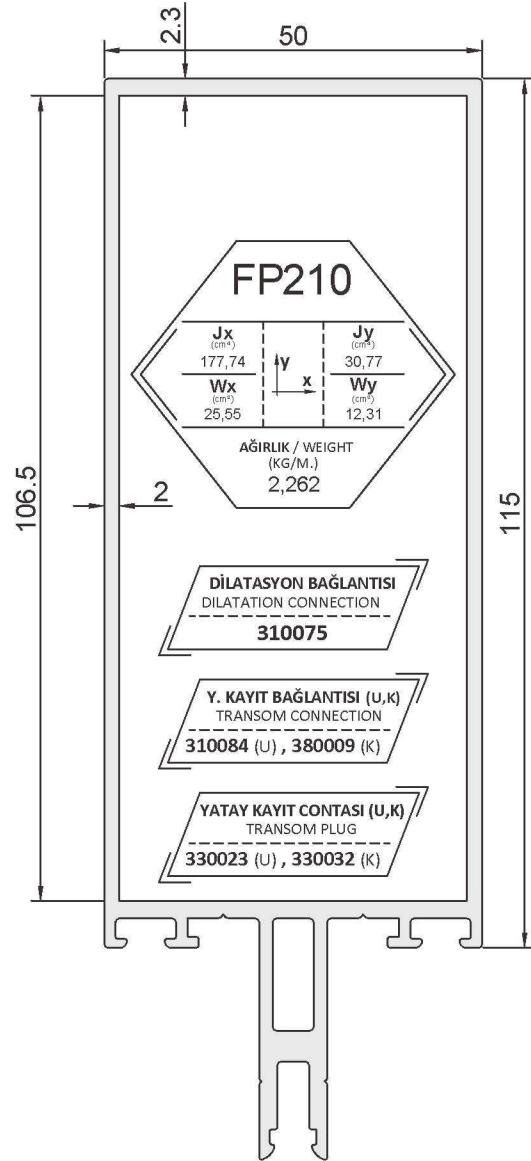
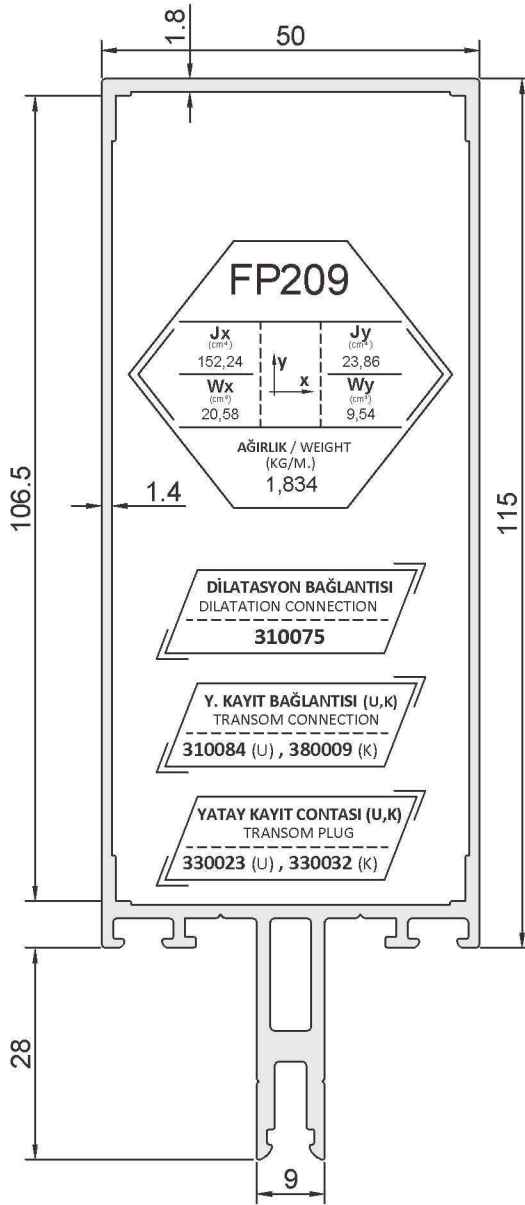
(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS





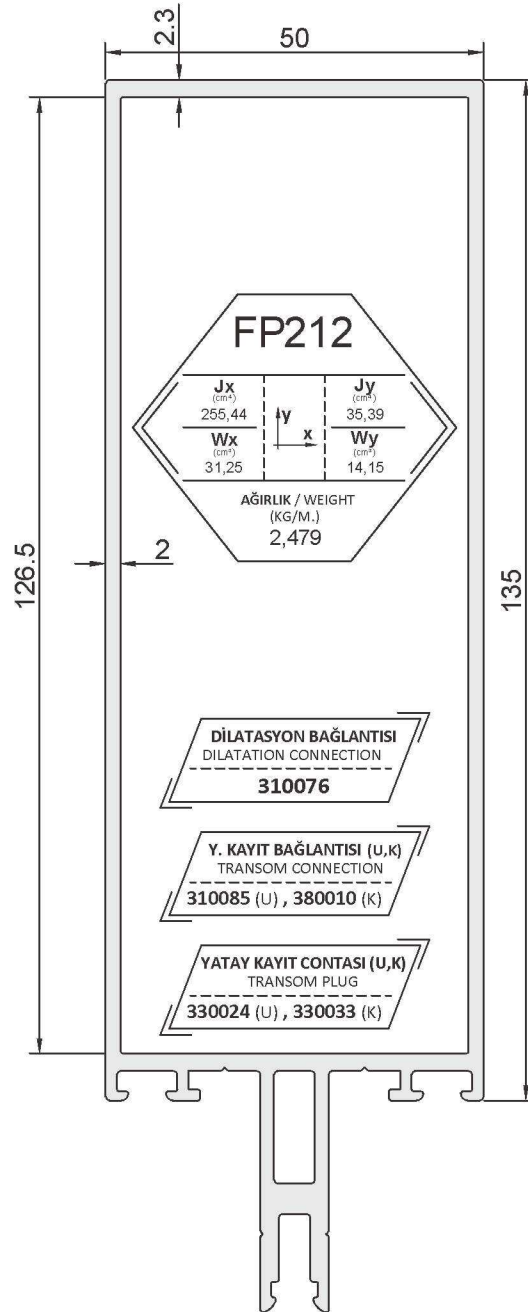
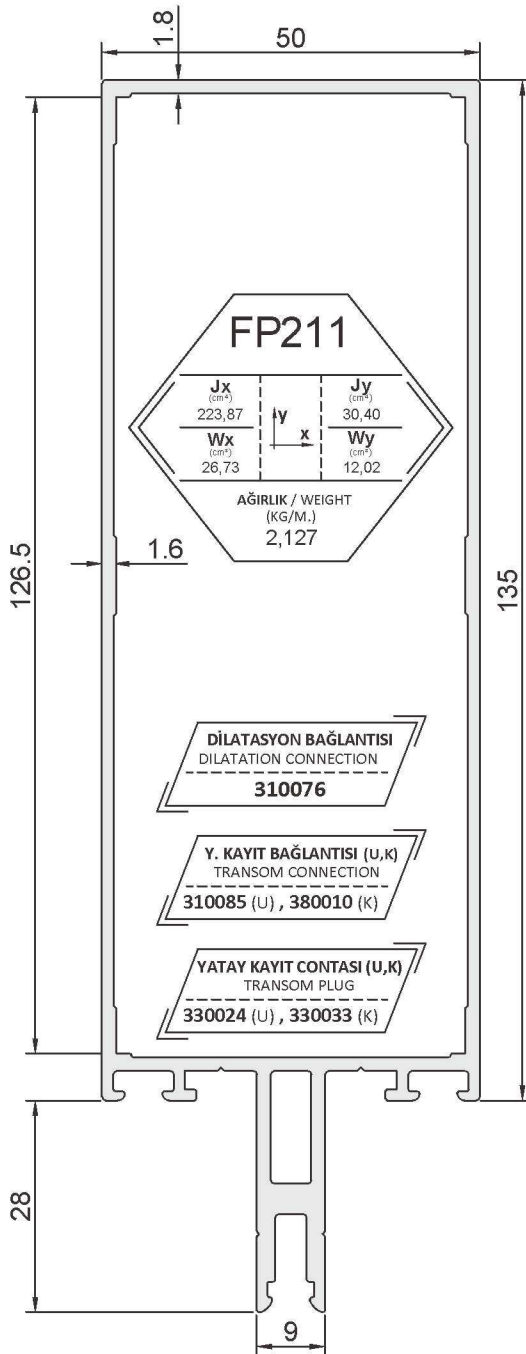
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(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS



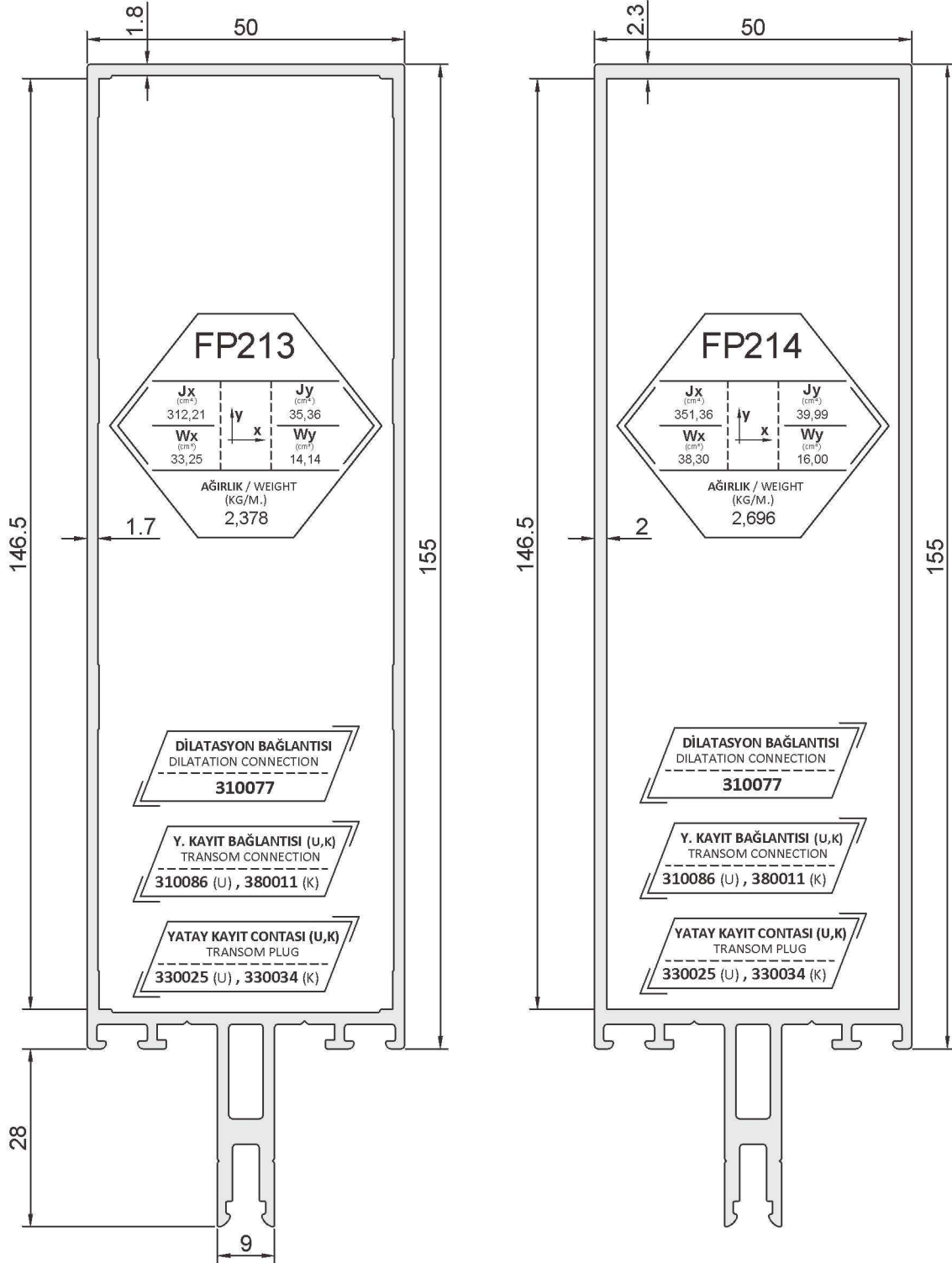
(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS



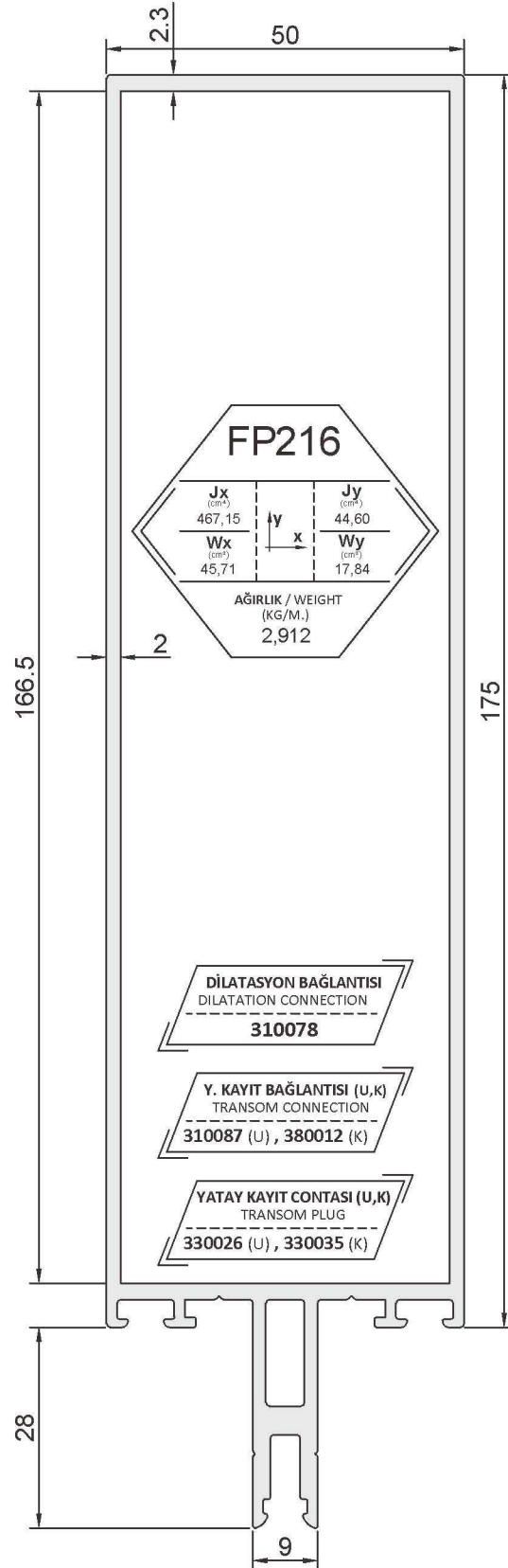
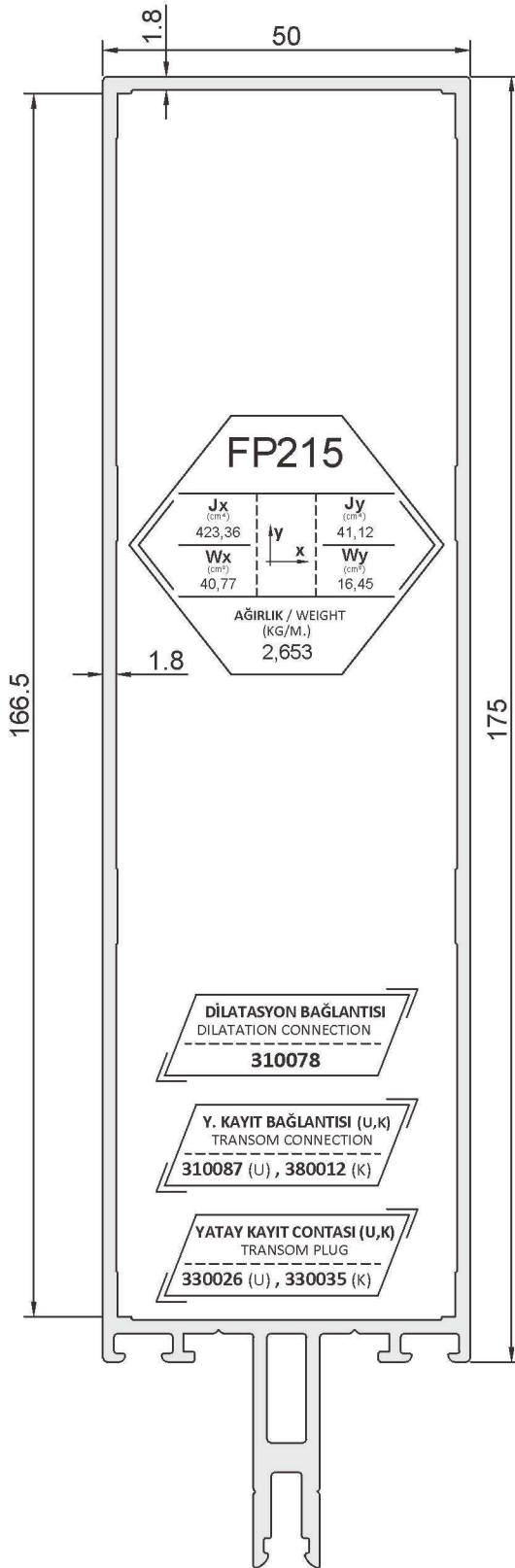
(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS



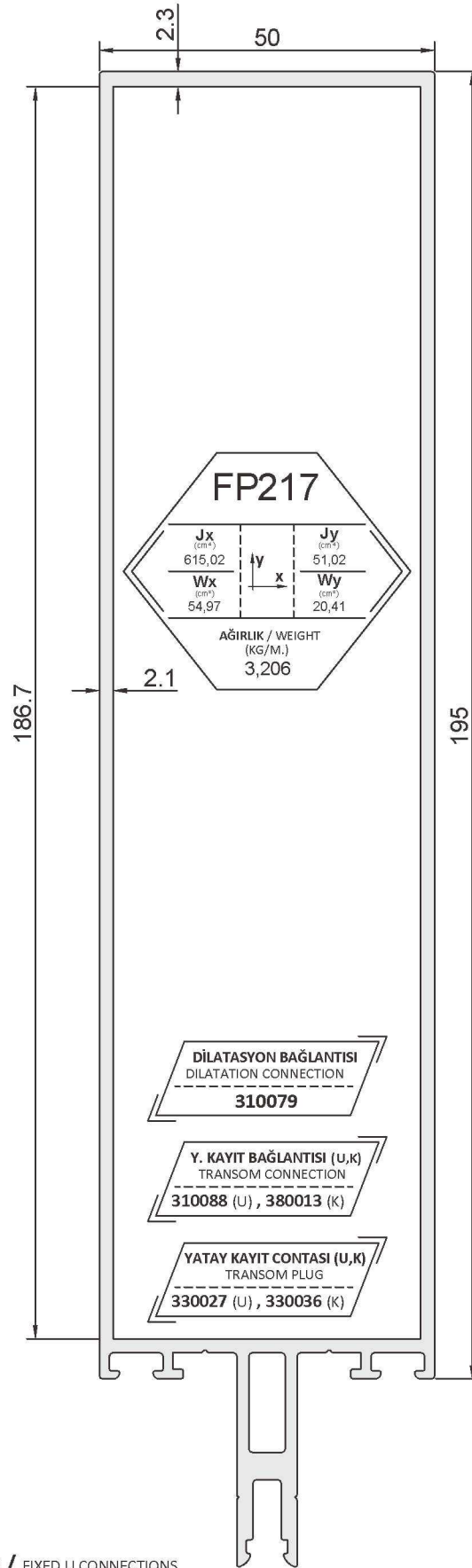
(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS



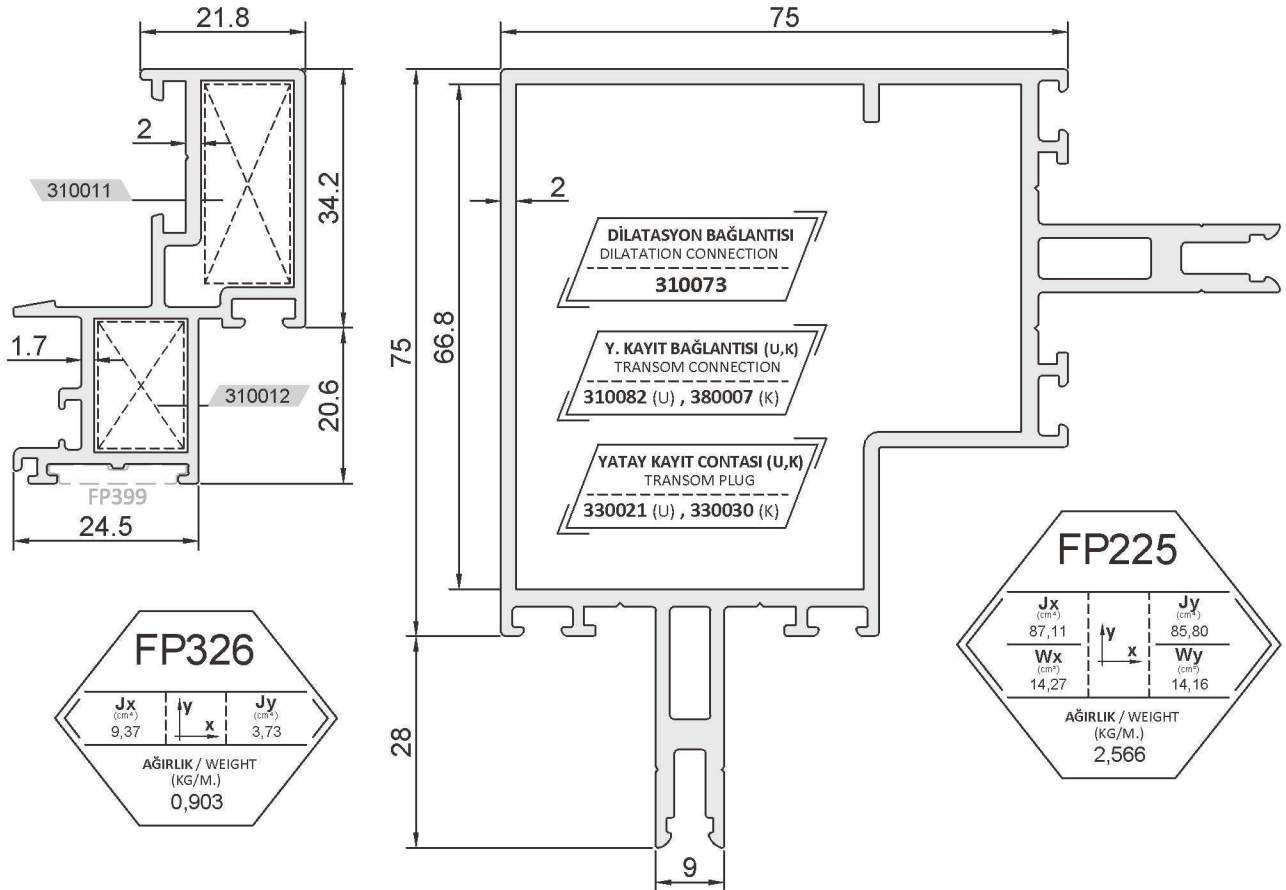
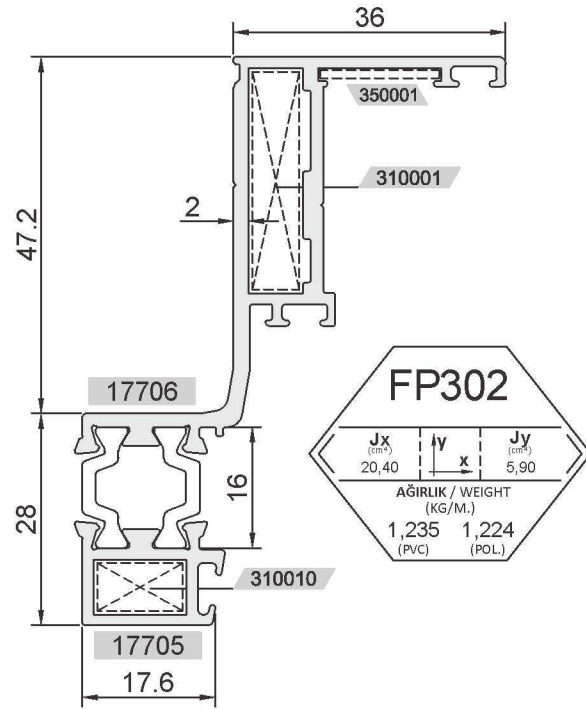
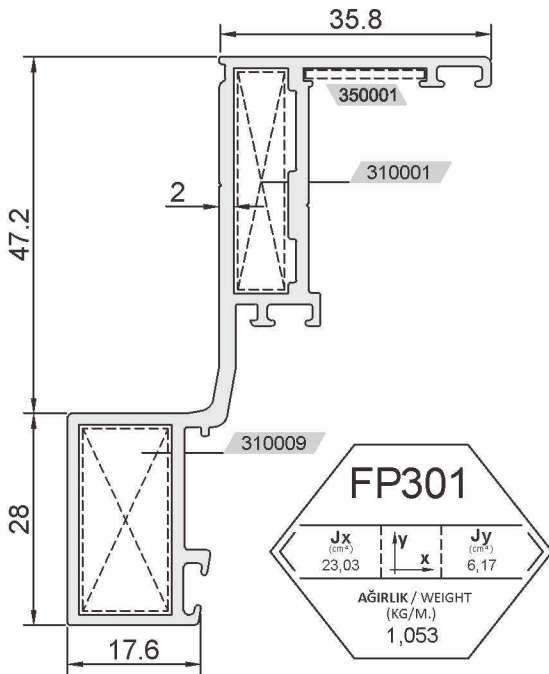
(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS



(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

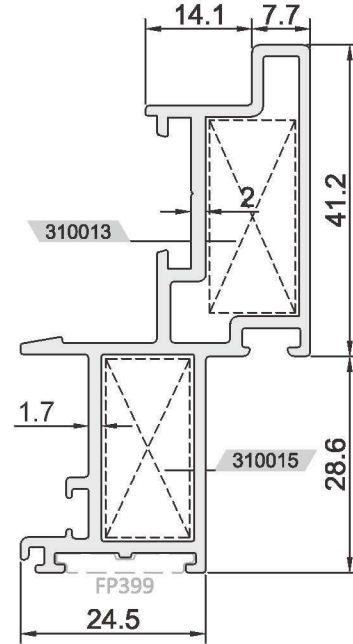
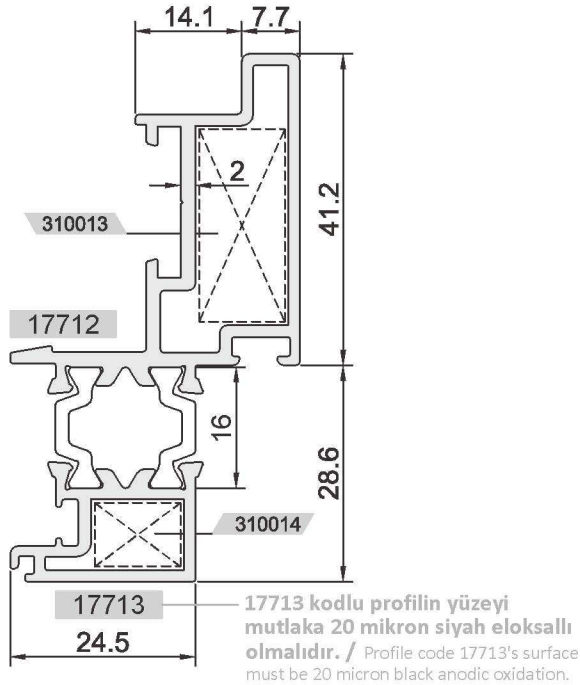
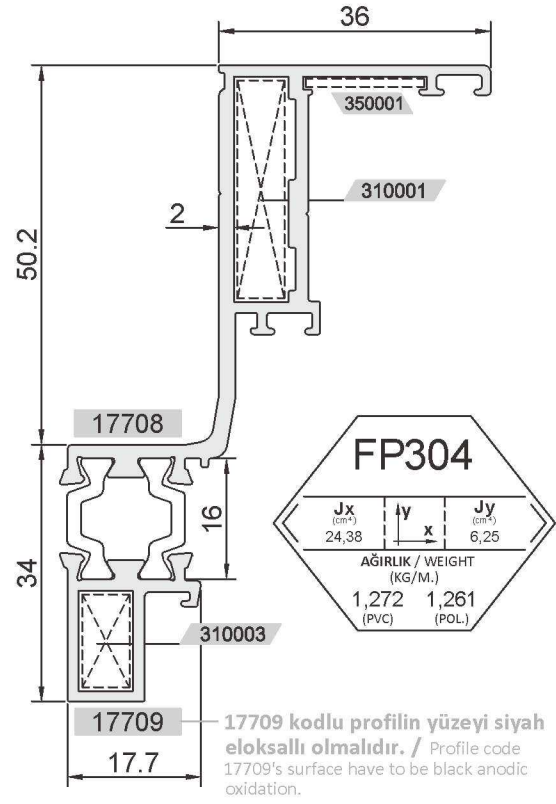
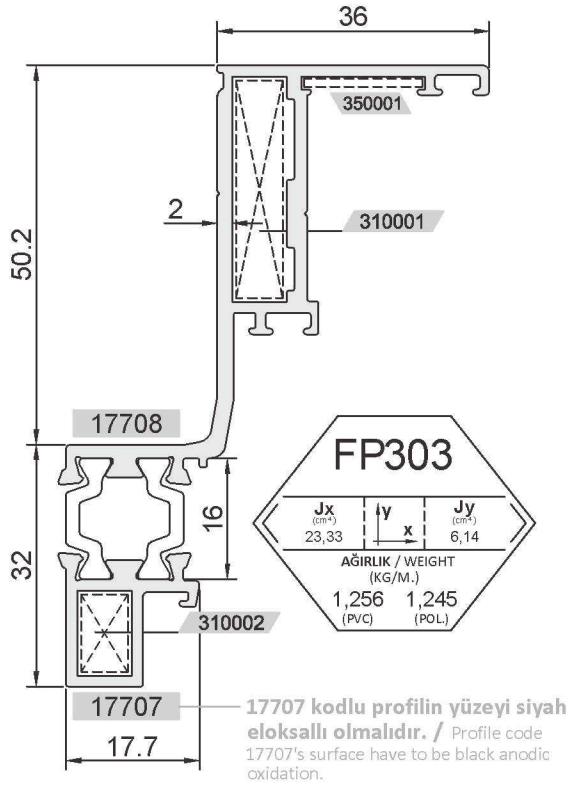
(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS

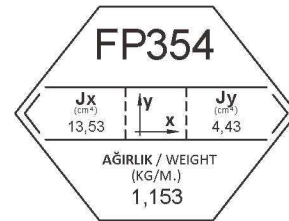
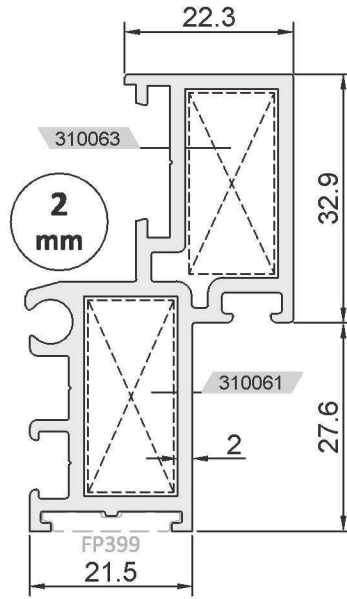
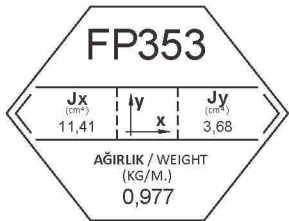
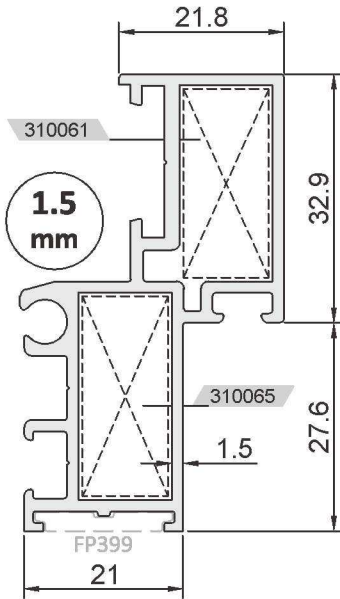
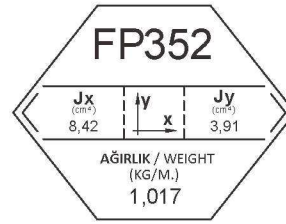
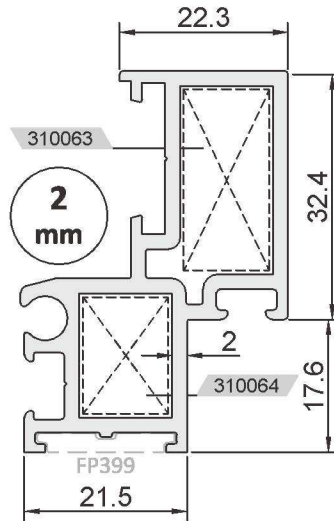
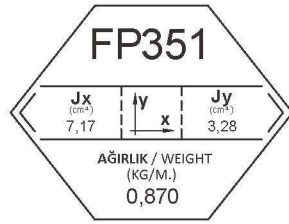
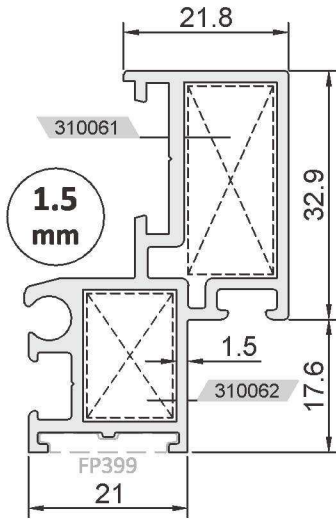


(U) : SABİT U BAĞLANTILAR / FIXED U CONNECTIONS

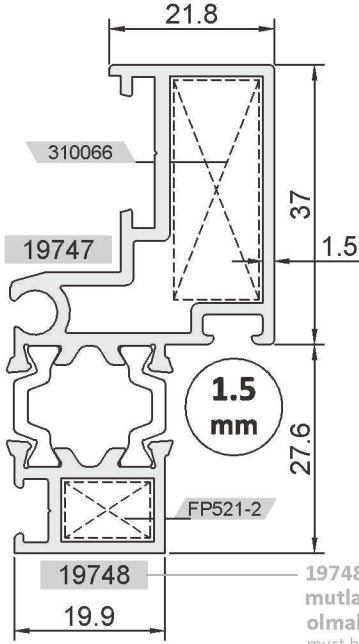
(K) : KIRLANGIÇ U BAĞLANTILAR / MOVABLE U CONNECTIONS

▲ F50-CLASSIC

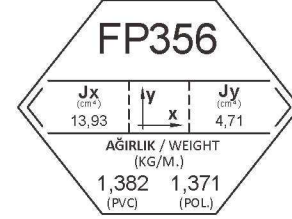
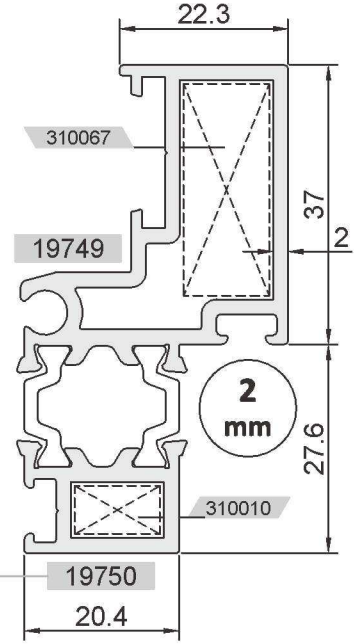




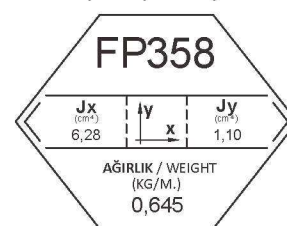
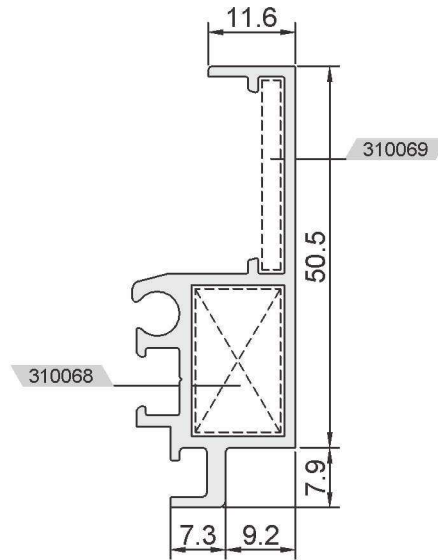
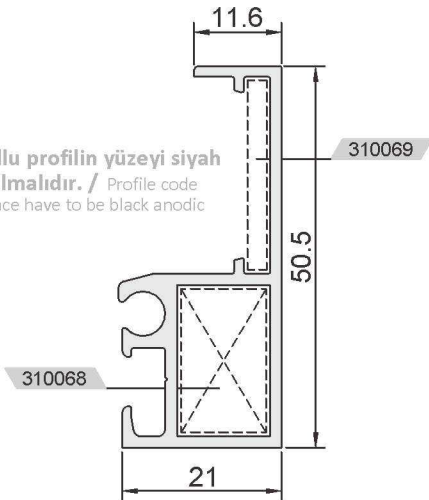
▲ F50-CLASSIC

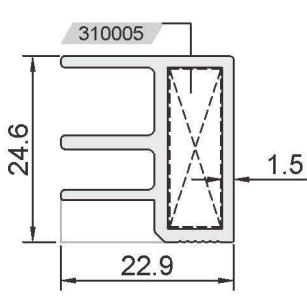


19748 kodlu profilin yüzeyi mutlaka 20 mikron siyah eloksallı olmalıdır. / Profile code 19748's surface must be 20 micron black anodic oxidation.

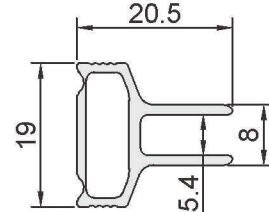
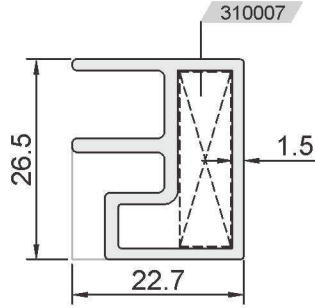


FP357 kodlu profilin yüzeyi siyah eloksallı olmalıdır. / Profile code FP357's surface have to be black anodic oxidation.

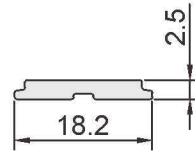
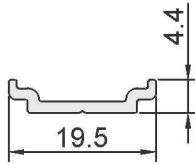




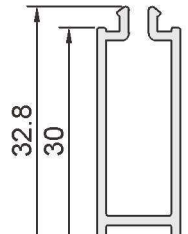
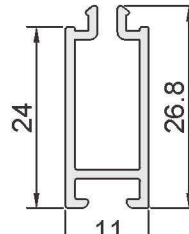
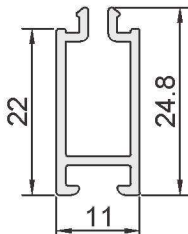
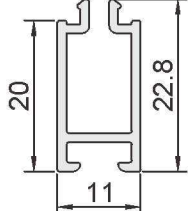
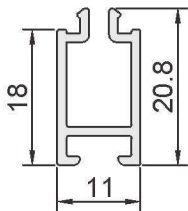
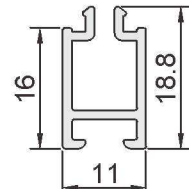
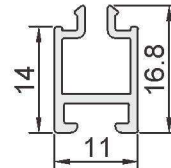
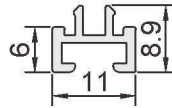
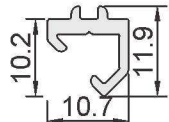
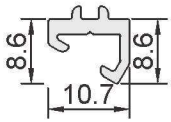
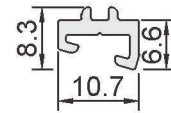
FP359 kodlu profilin yüzeyi mutlaka 20 mikron siyah eloksallı olmalıdır. / Profile code FP359's surface must be 20 micron black anodic oxidation.



FP398 kodlu profilin yüzeyi mutlaka 20 mikron siyah eloksallı olmalıdır. / Profile code FP398's surface must be 20 micron black anodic oxidation.

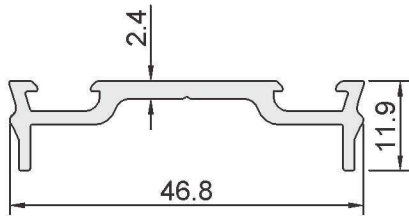
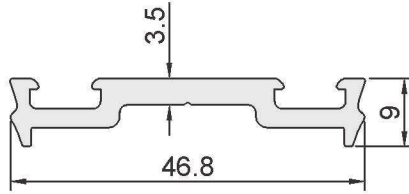
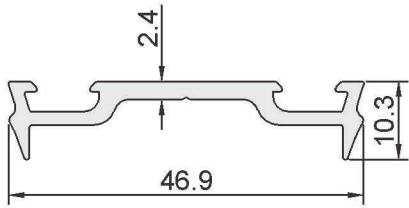


FP399 kodlu profilin yüzeyi mutlaka 20 mikron siyah eloksallı olmalıdır. / Profile code FP399's surface must be 20 micron black anodic oxidation.

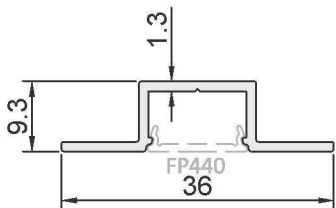
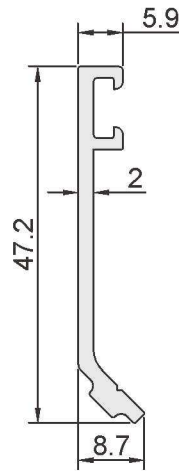
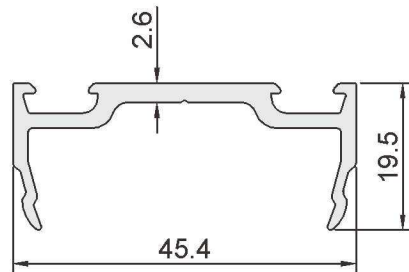


Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.

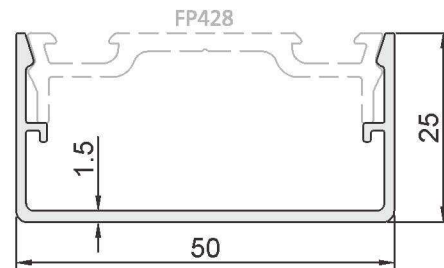
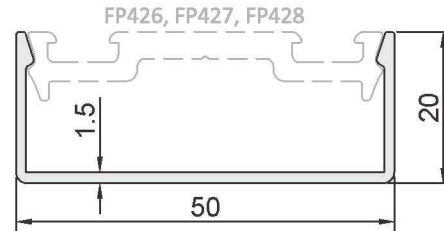
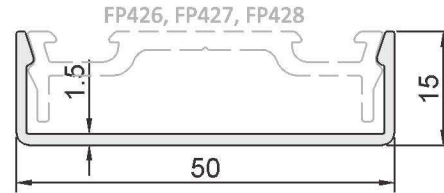
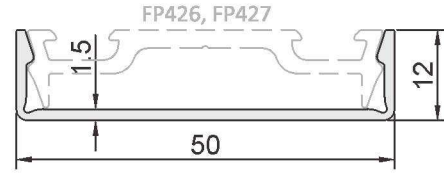
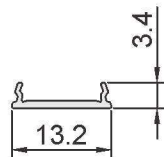
F50-CLASSIC

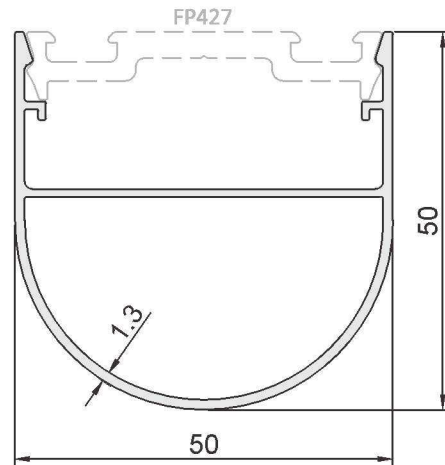
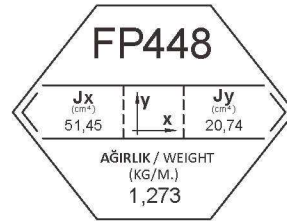
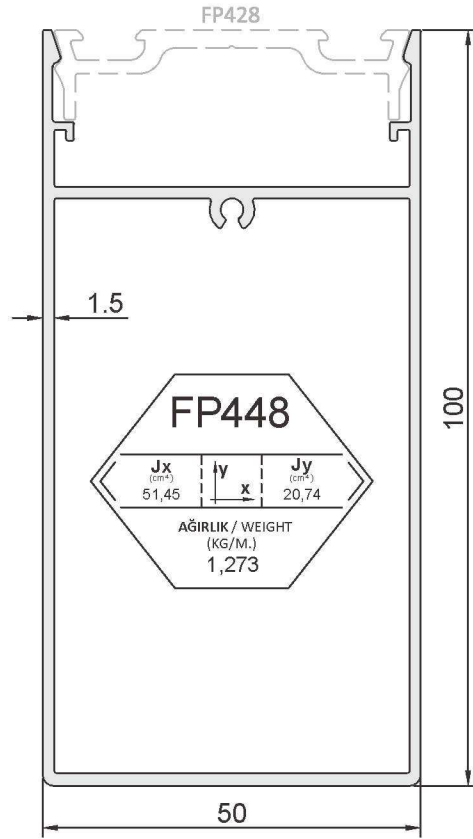
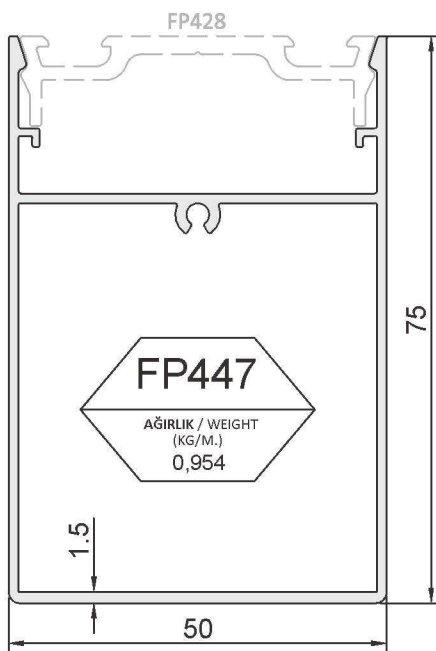
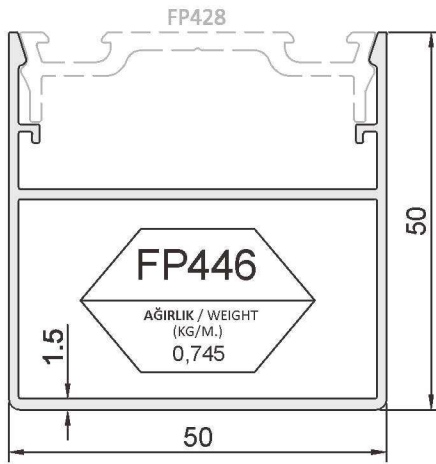
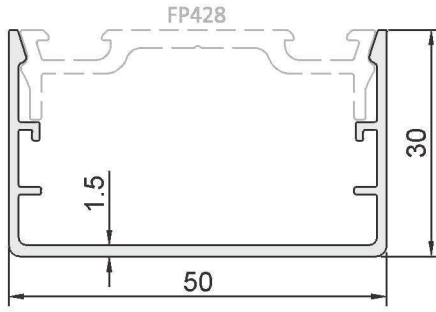


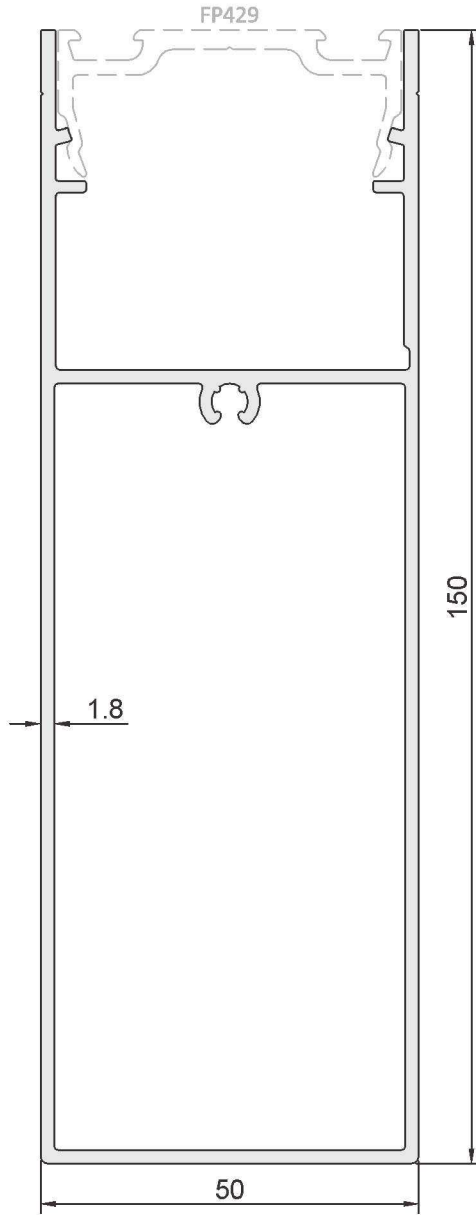
Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.



Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.



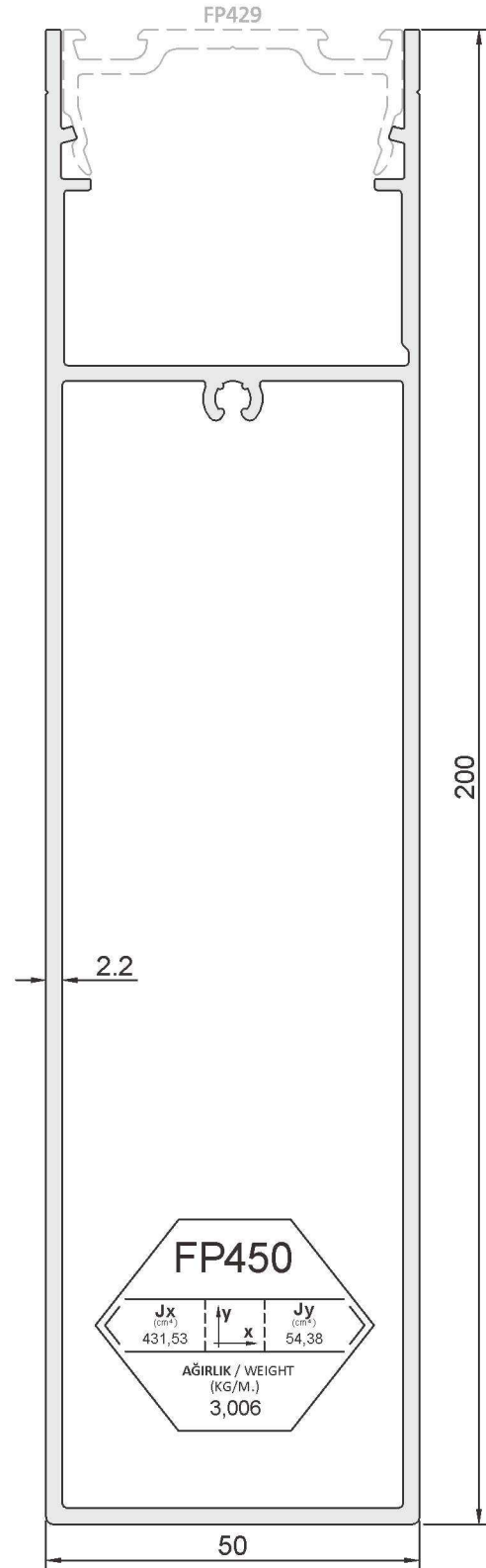




FP449		
Jx (cm ⁴)	y x	Jy (cm ⁴)
166,24		36,07
AĞIRLIK / WEIGHT (KG/M.)		
2,065		



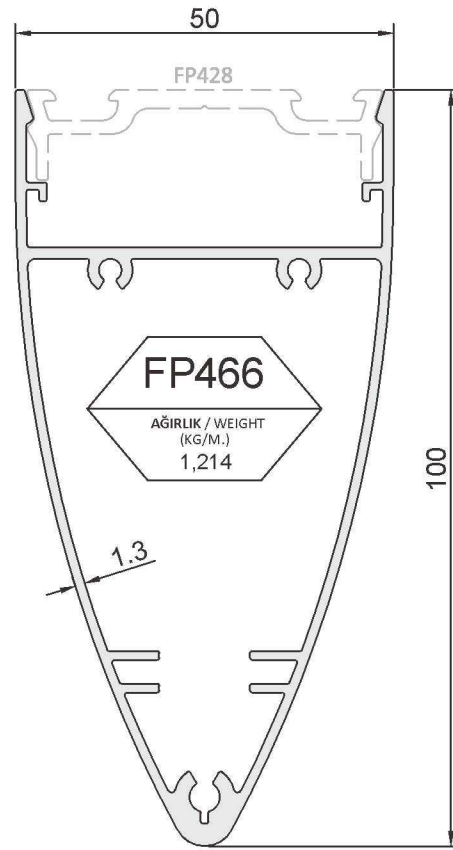
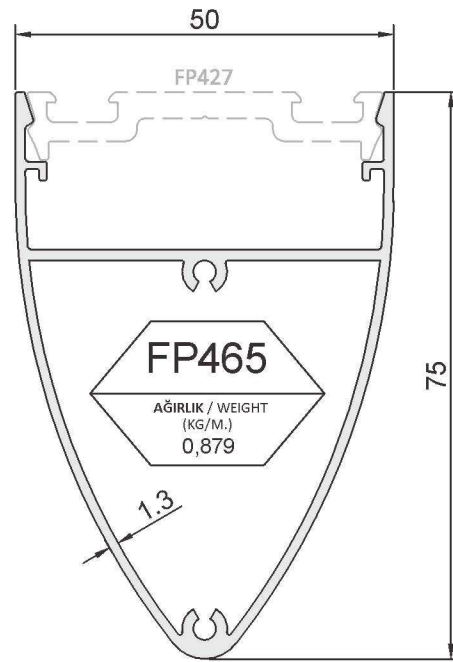
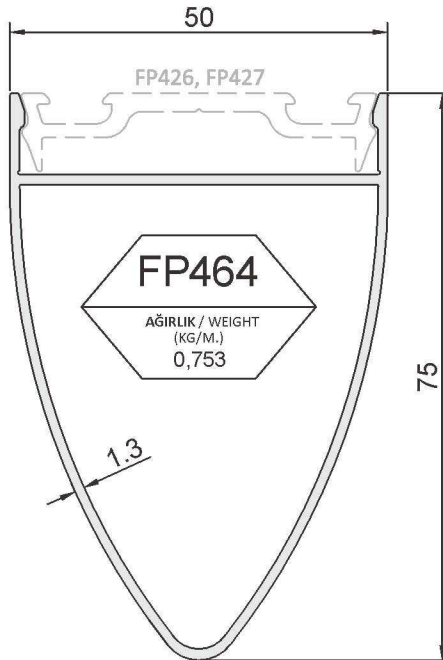
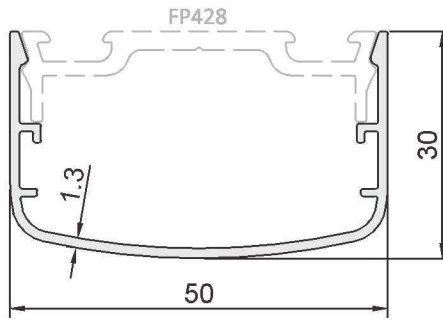
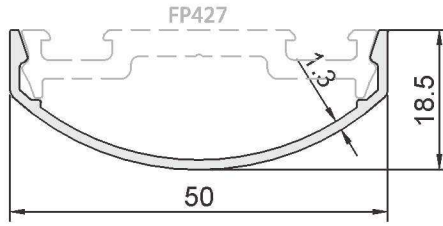
Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.



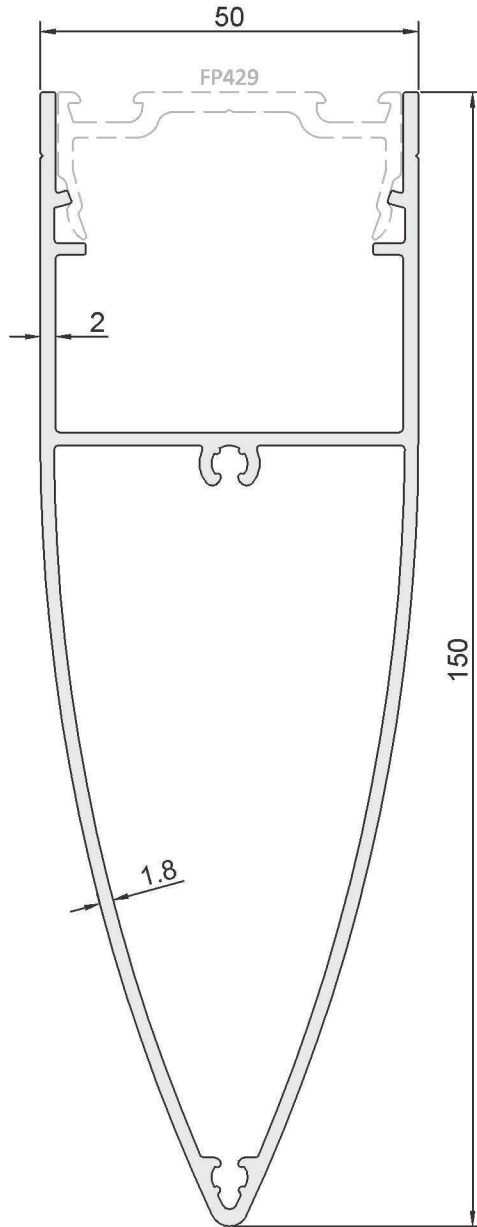
FP450		
Jx (cm ⁴)	y x	Jy (cm ⁴)
431,53		54,38
AĞIRLIK / WEIGHT (KG/M.)		
3,006		



Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.



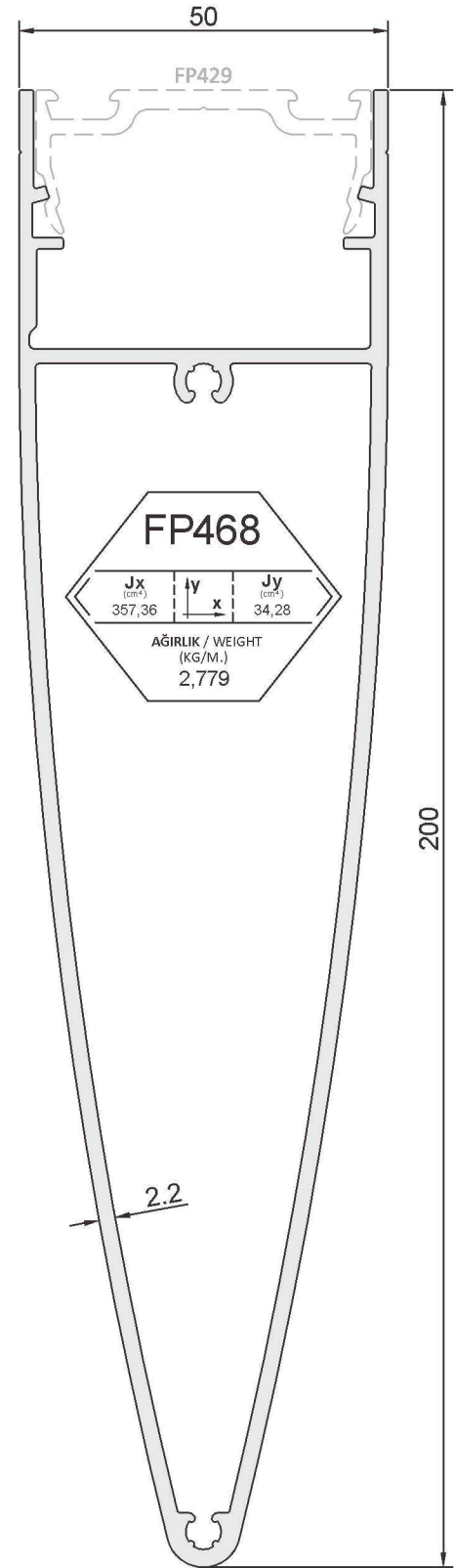
▲ F50-CLASSIC



FP467		
Jx (cm ⁴)	Iy (cm ⁴)	Jy (cm ⁴)
125,41	x	24,89
AĞIRLIK / WEIGHT (KG/M.)		
1,885		



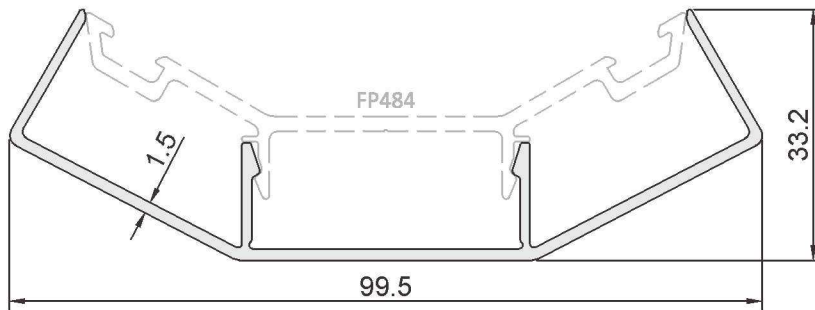
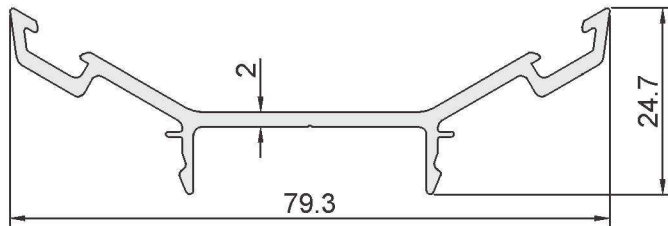
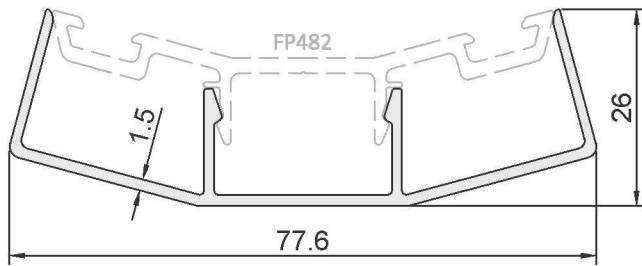
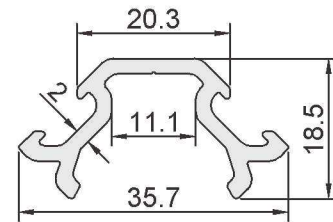
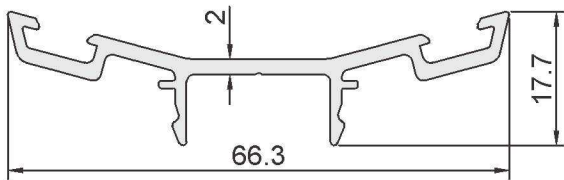
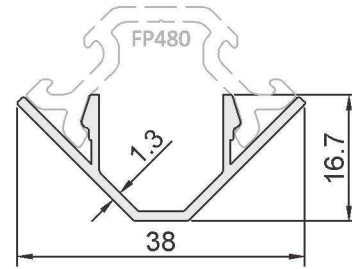
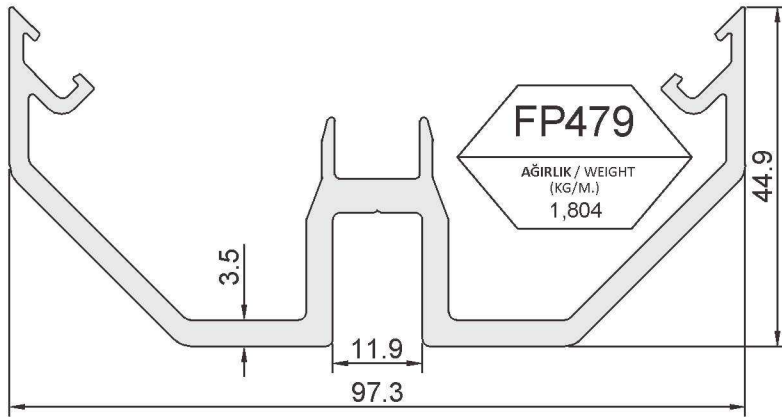
Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.



FP468		
Jx (cm ⁴)	Iy (cm ⁴)	Jy (cm ⁴)
357,36	x	34,28
AĞIRLIK / WEIGHT (KG/M.)		
2,779		

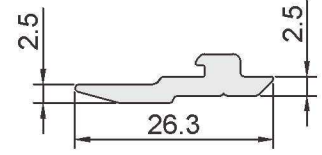
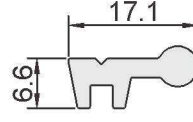
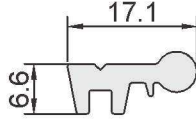
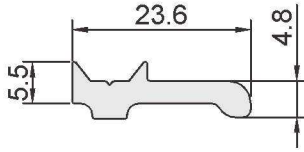


Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.

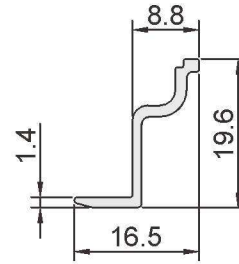
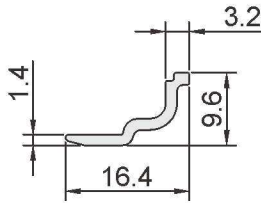


ALÜMİNYUM AKSESUAR PROFİLLERİ

PROFILES OF ALUMINIUM ACCESSORIES

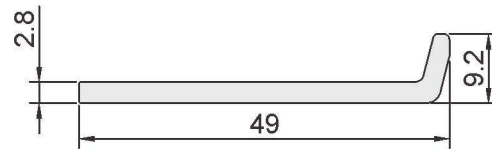
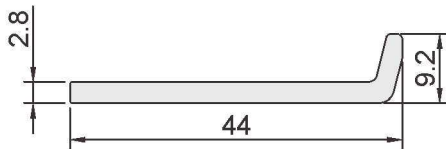
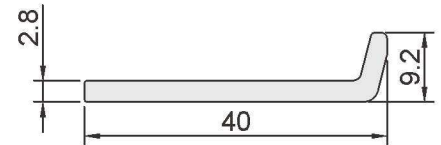
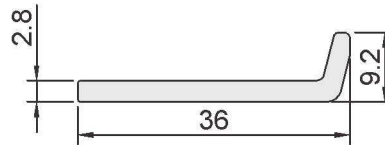
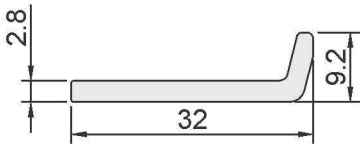


Profilin yüzeyi siyah eloksalı olmalıdır. / Profile surface have to be black anodic oxidation.



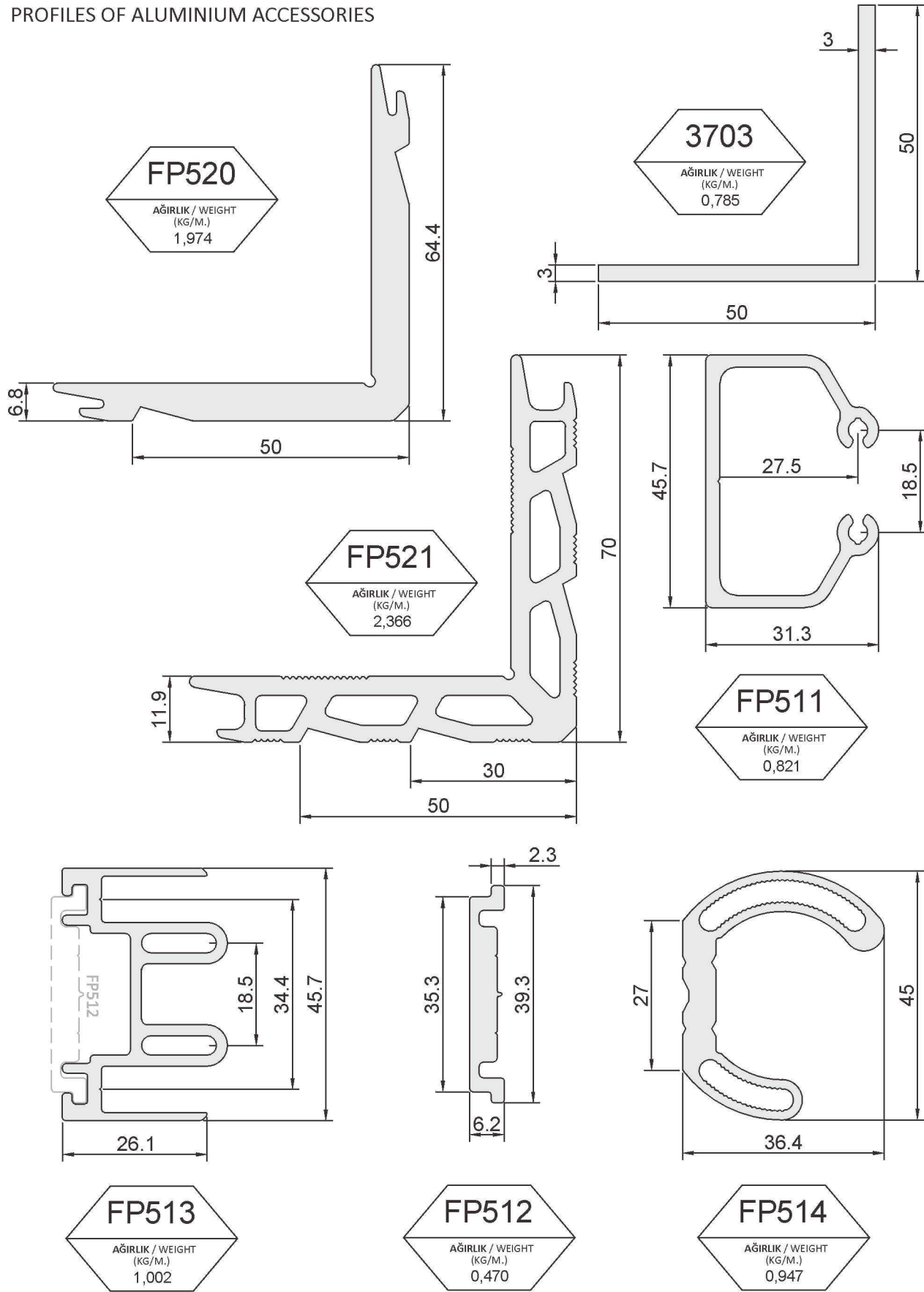
Profilin yüzeyi siyah eloksalı olmalıdır. / Profile surface have to be black anodic oxidation.

Profilin yüzeyi siyah eloksalı olmalıdır. / Profile surface have to be black anodic oxidation.



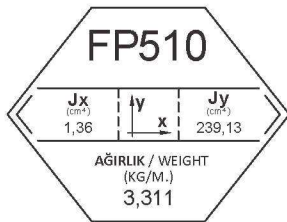
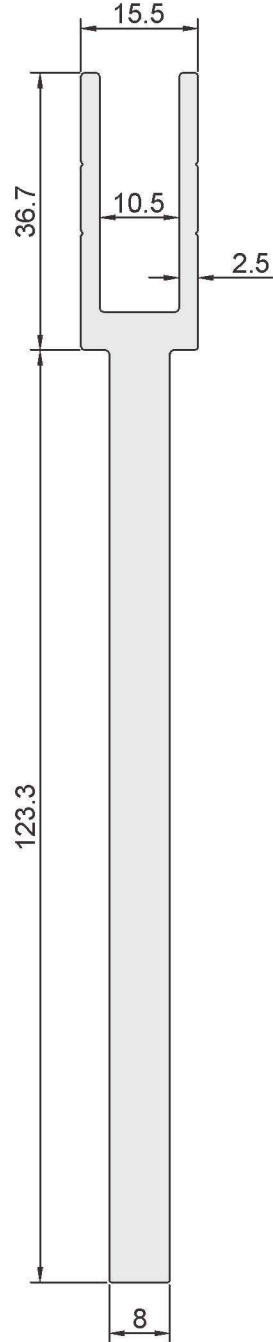
ALÜMİNYUM AKSESUAR PROFİLLERİ

PROFILES OF ALUMINIUM ACCESSORIES

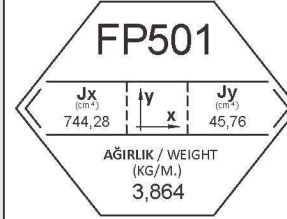
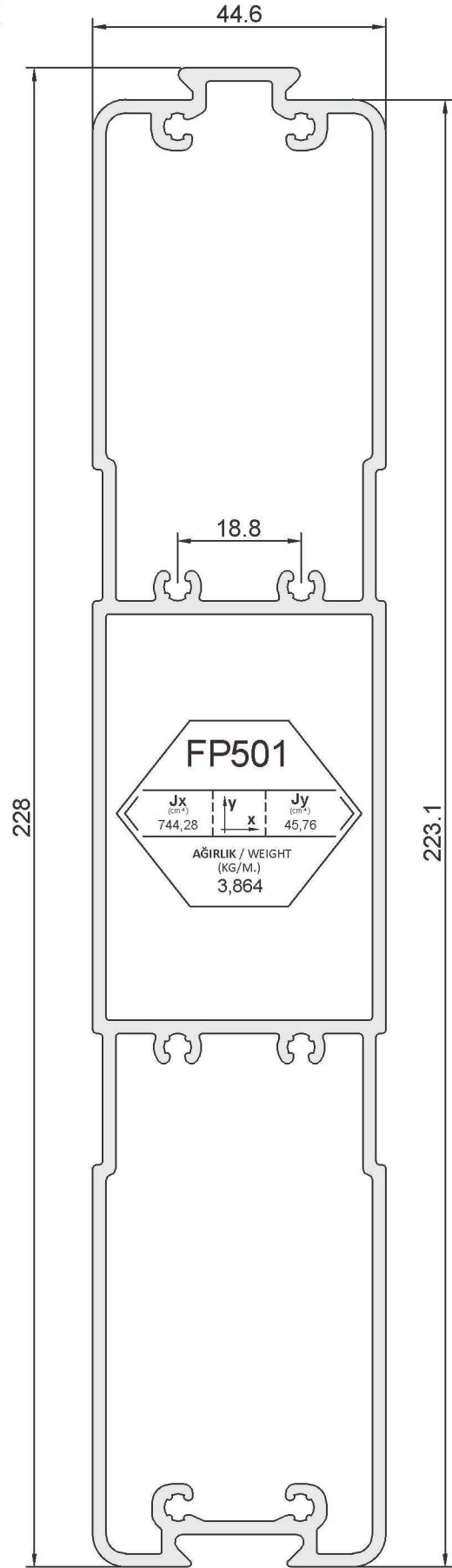


ALÜMİNYUM AKSESUAR PROFİLLERİ

PROFILES OF ALUMINIUM ACCESSORIES



Bu profil için satış ekibinden bilgi alınız. / Please receive information from sales representative about this profile.



DETAYLAR

DETAILS

1. KAPAKLI CEPHE / CAPPED CURTAIN WALL
2. ENTEGRE CEPHE / INTEGRATED CURTAIN WALL
3. YARI-KAPAKLI CEPHE / SEMI-CAPPED CURTAIN WALL
4. KASETLİ SİLİKON CEPHE /
SILICONE CURTAIN WALL WITH STRUCTURAL CELLS
5. CAM KALINLIKLARINA GÖRE SİSTEM DETAYLARI /
SYSTEM DETAILS ACCORDING TO THE GLASS
THICKNESSES

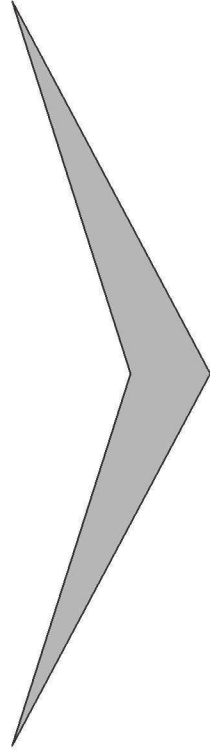
TARAMA STİLLERİ / HATCH STYLES

 EPDM FİTİL / EPDM GASKET	 PVC PROFİL / PVC PROFILE
 STRÜKTÜREL SİLİKON / STRUCTURAL SILICONE	 ÇELİK PROFİL / STEEL PROFILE
 MESAFE BELİRLEYİCİ / SPACE ADJUSTER	 SU YALITIM MEMBRANI / WATERPROOFING MEMBRANE
 ALÜMİNYUM PROFİL / ALUMINIUM PROFILE	 POLİETİLEN CONTA / POLYETHYLENE GASKET
 PROFİL PARÇA (AI) / PIECE OF PROFILE (AI)	 TAŞYÜNÜ / ROCKWOOL
 ISI BARİYERİ / INSULATION BAR	 CAM / GLASS

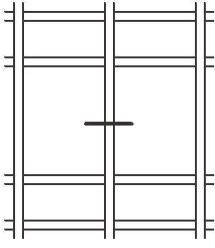
► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

KAPAKLI CEPHE

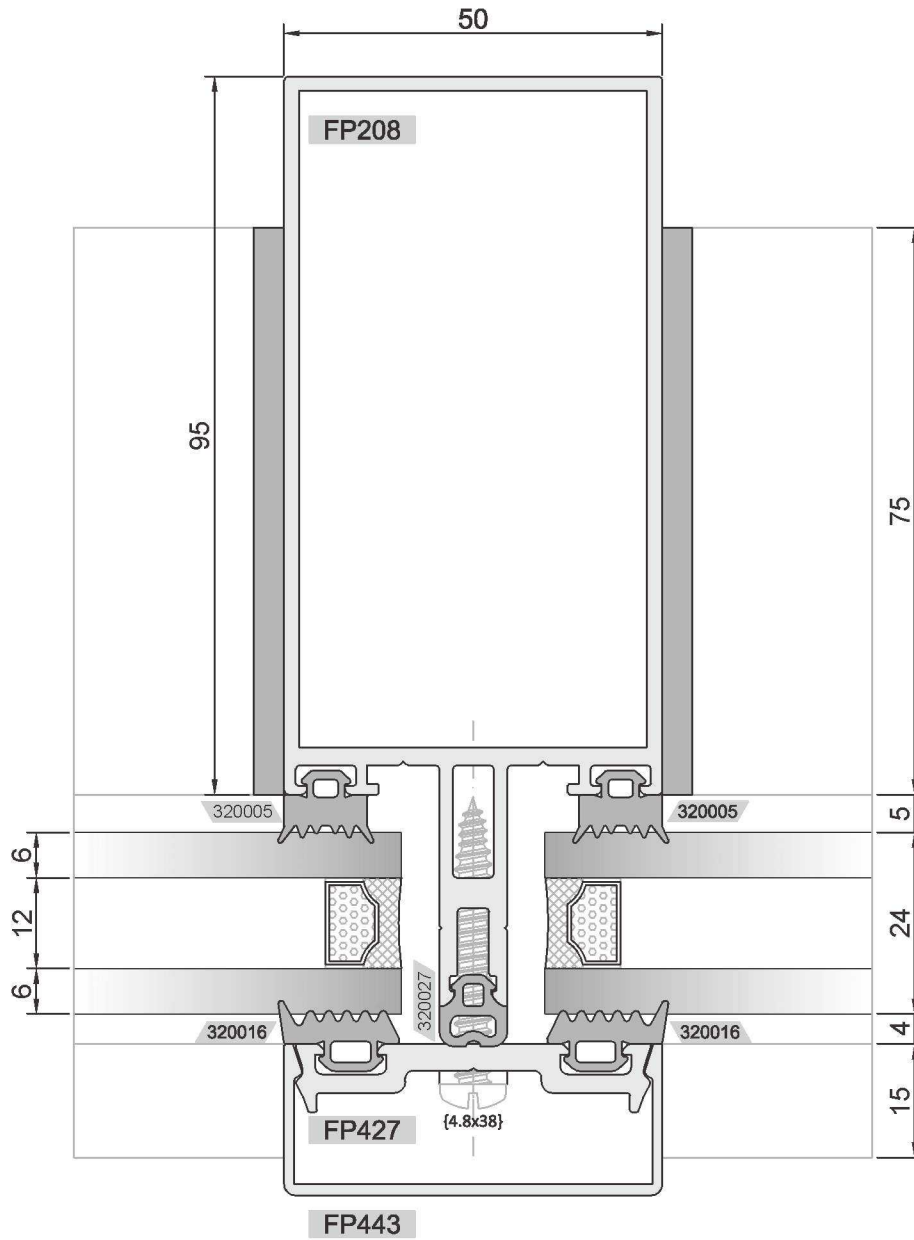
CAPPED CURTAIN WALL

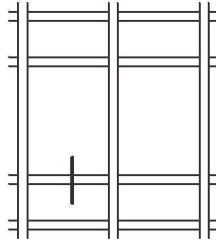


► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

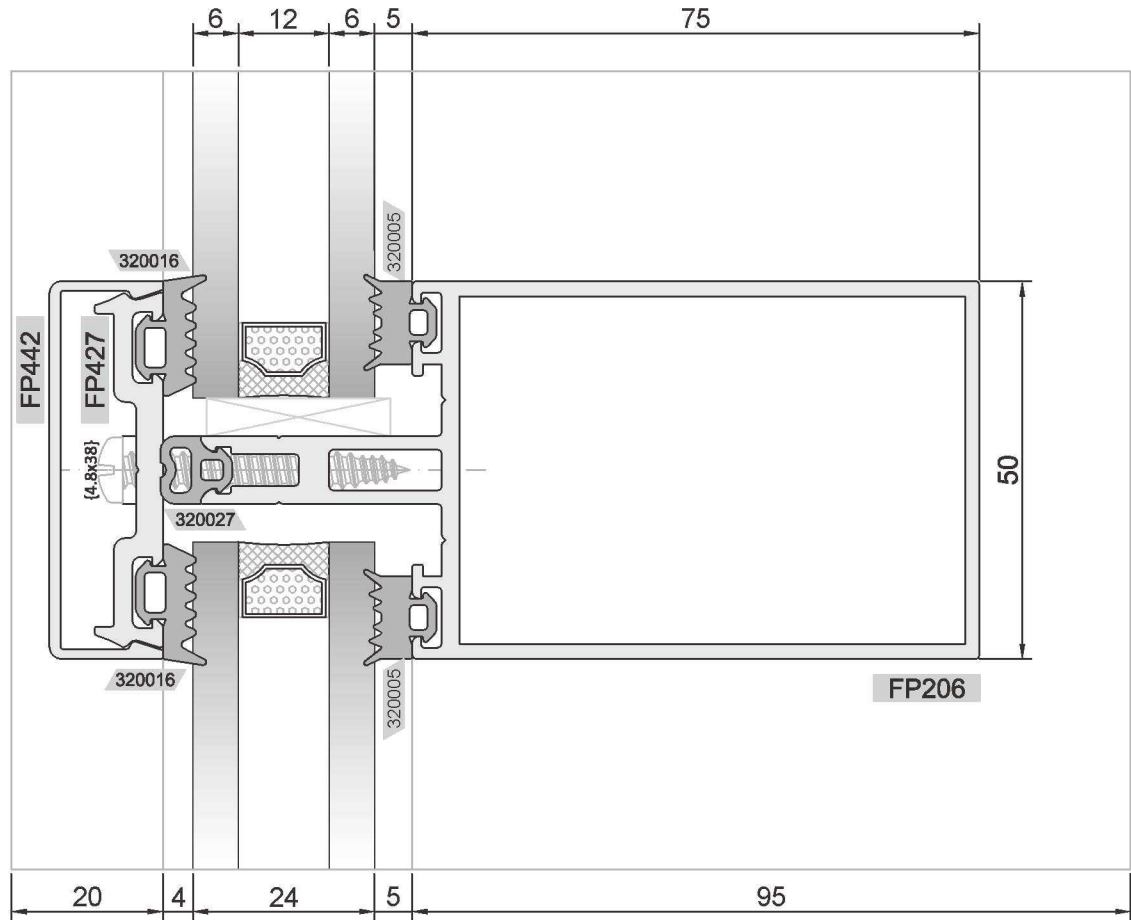


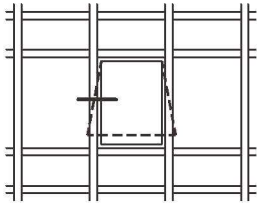
DÜŞEY DETAYI
VERTICAL DETAIL





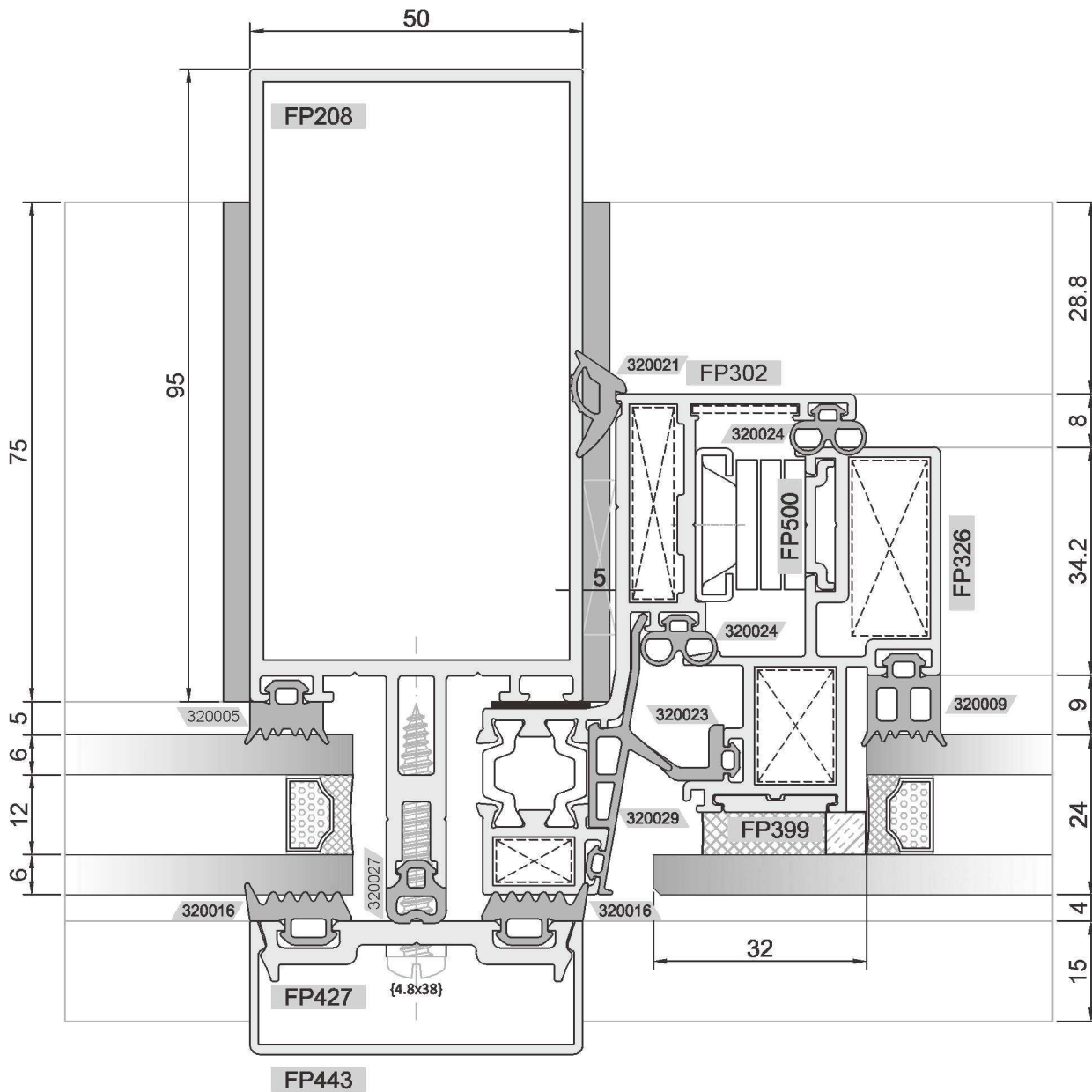
YATAY DETAYI
HORIZONTAL DETAIL

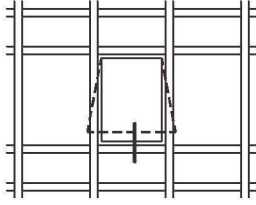




ALTERNATİF 1: MİNİMAL KANAT
ALTERNATIVE 1 : MINIMAL SASH

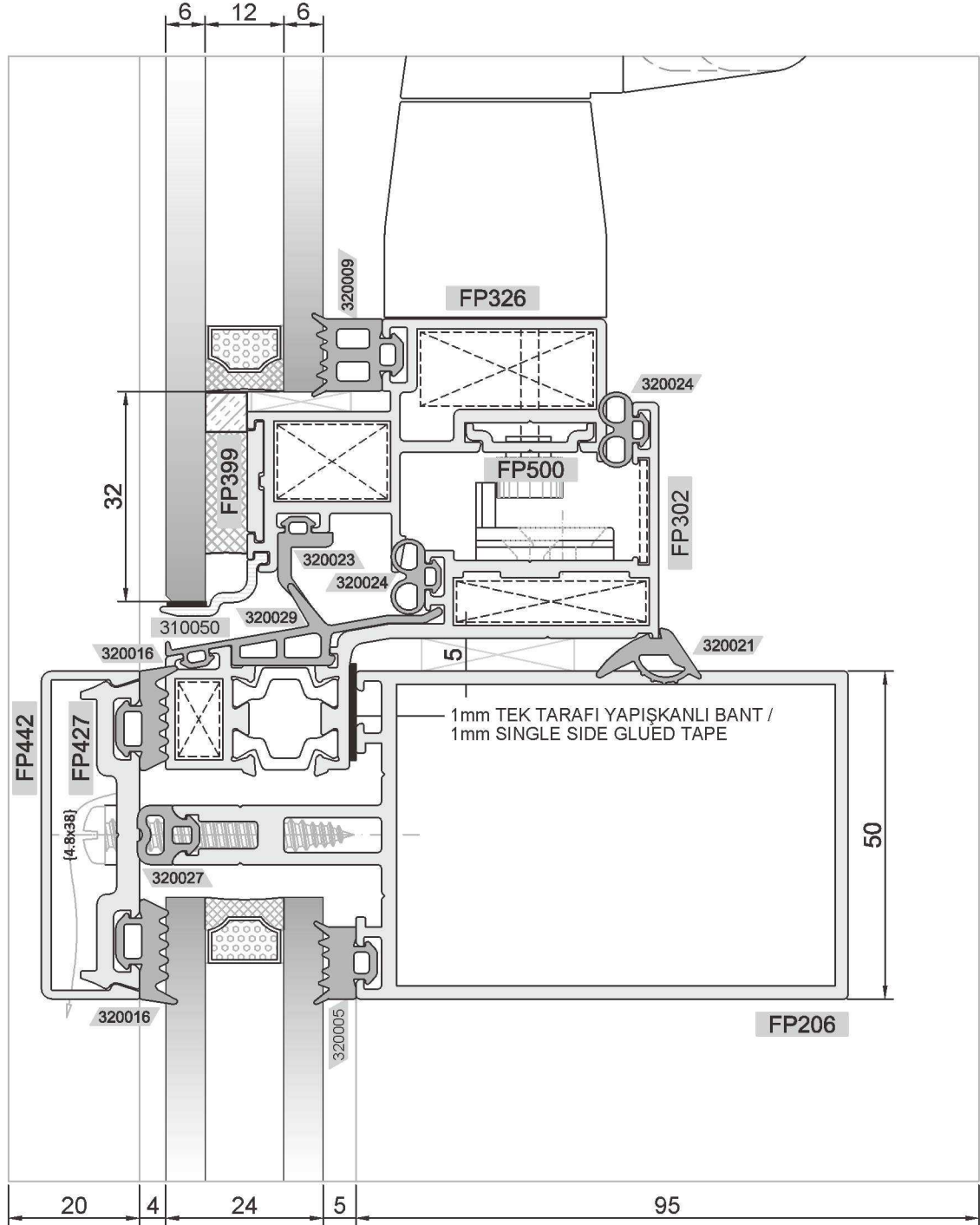
DIŞA AÇILIR KANAT DÜŞEY DETAYI
TOP HUNG OUTWARD OPENING VERTICAL DETAIL

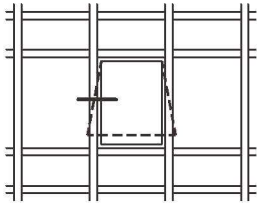




ALTERNATİF 1: MİNİMAL KANAT
ALTERNATIVE 1 : MINIMAL SASH

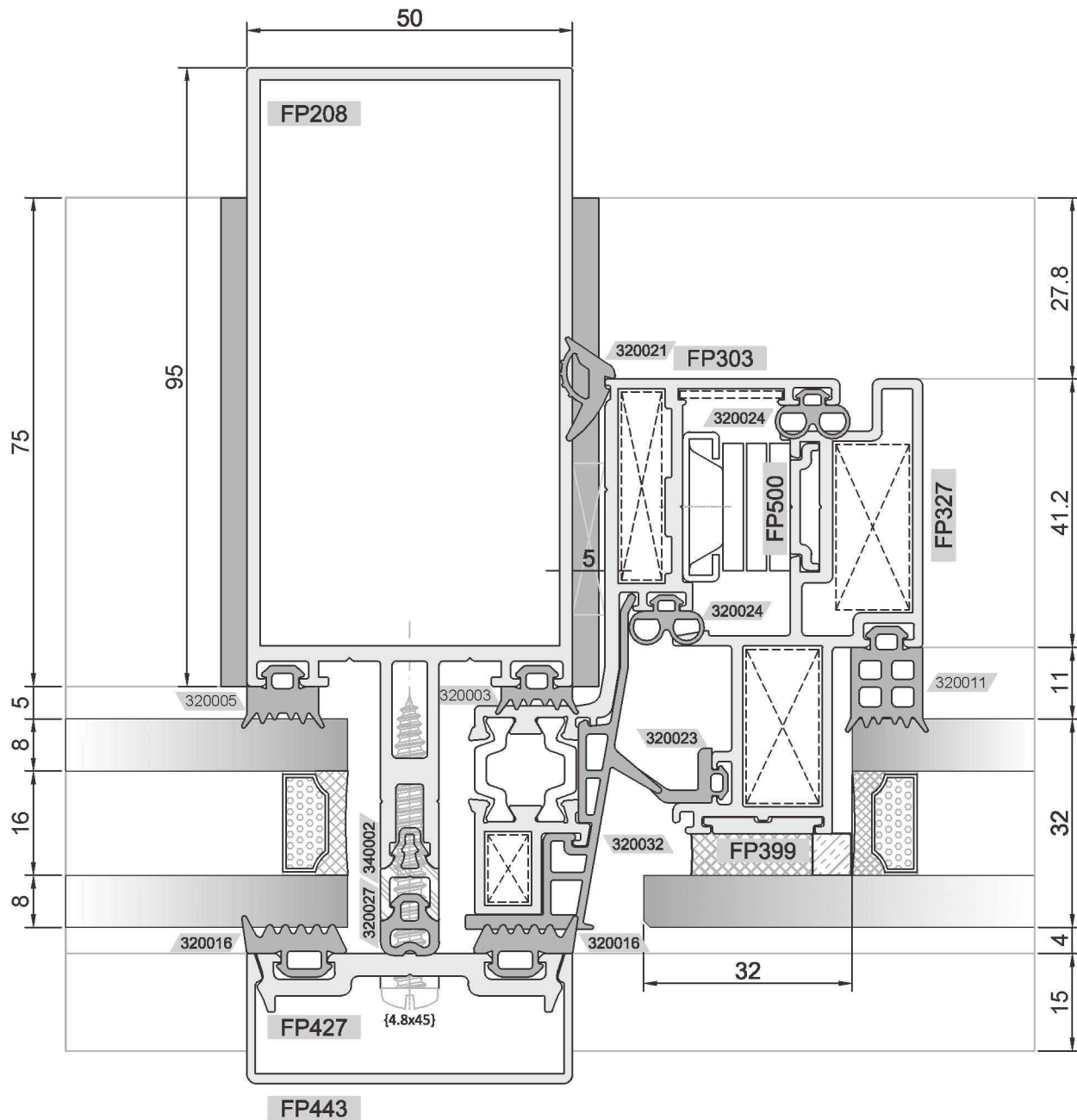
DIŞA AÇILIR KANAT YATAY DETAYI
TOP HUNG OUTWARD OPENING HORIZONTAL DETAIL

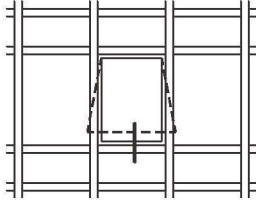




ALTERNATİF 2: YÜKSEK KAPASİTELİ KANAT

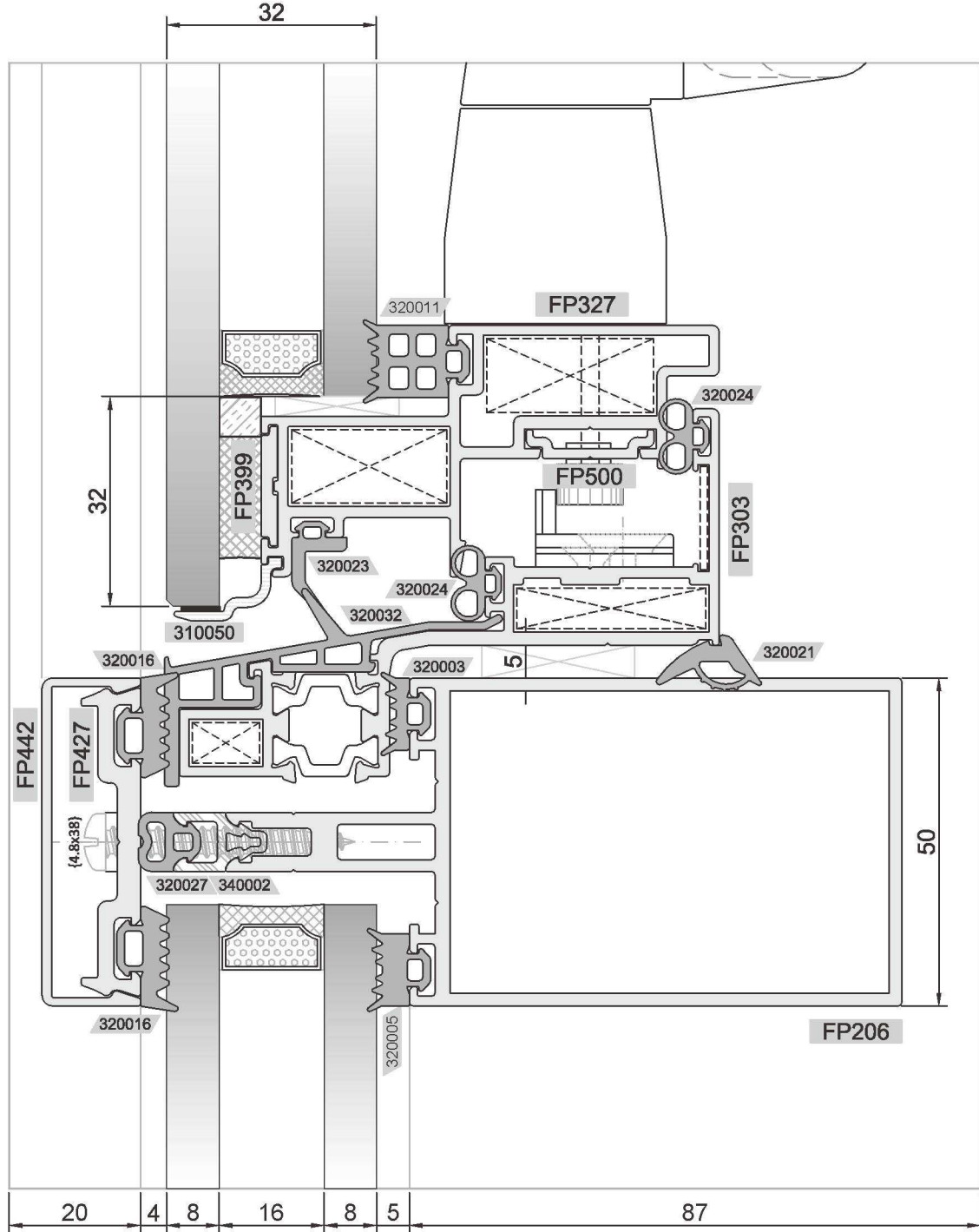
DIŞA AÇILIR KANAT DÜŞEY DETAYI
TOP HUNG OUTWARD OPENING VERTICAL DETAIL

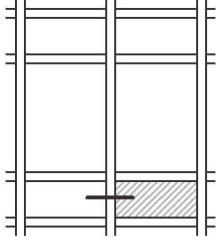




ALTERNATİF 2: YÜKSEK KAPASİTELİ KANAT
ALTERNATIVE 2 : HIGH CAPACITY SASH

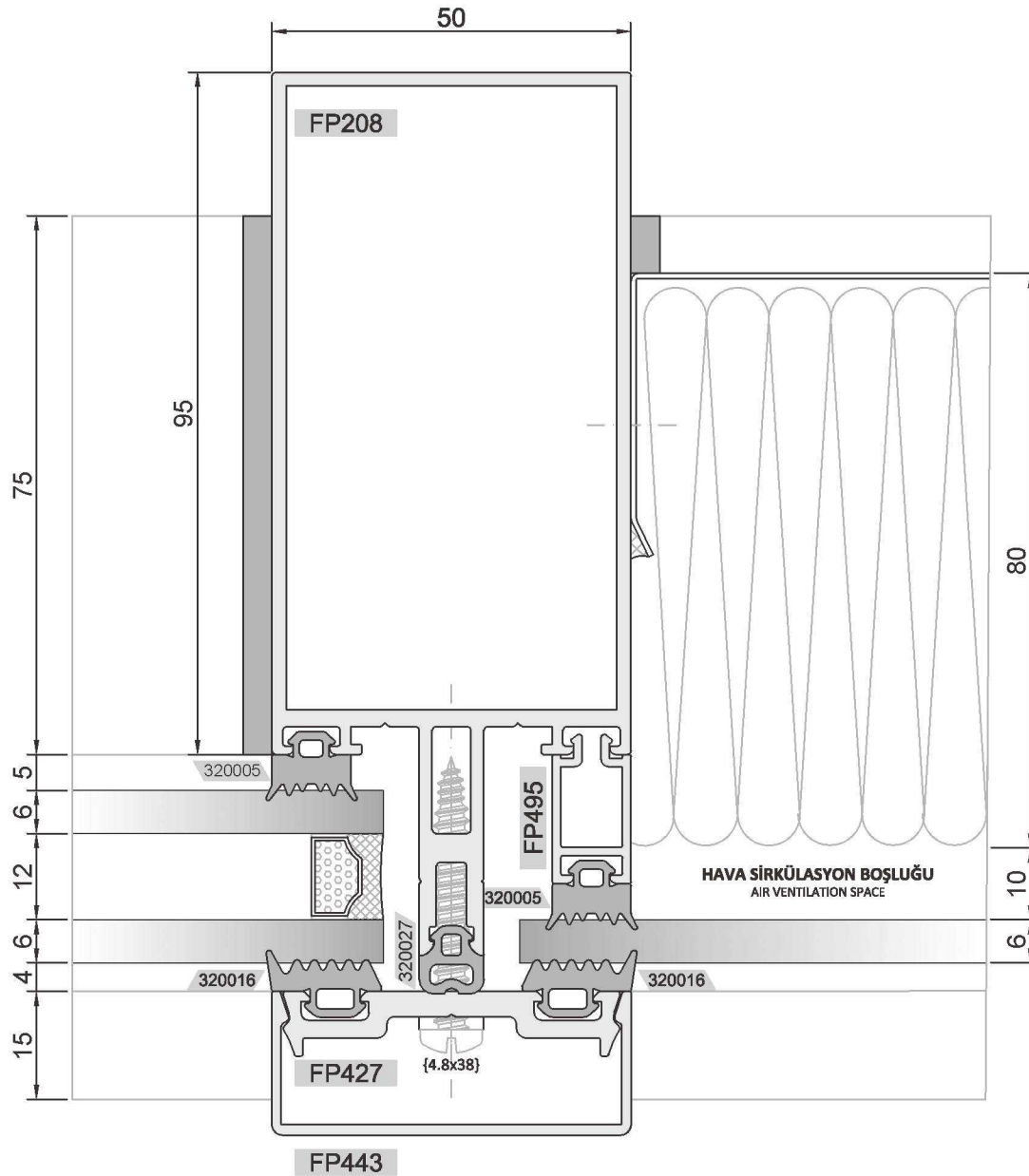
DIŞA AÇILIR KANAT YATAY DETAYI
TOP HUNG OUTWARD OPENING HORIZONTAL DETAIL

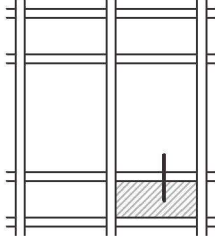




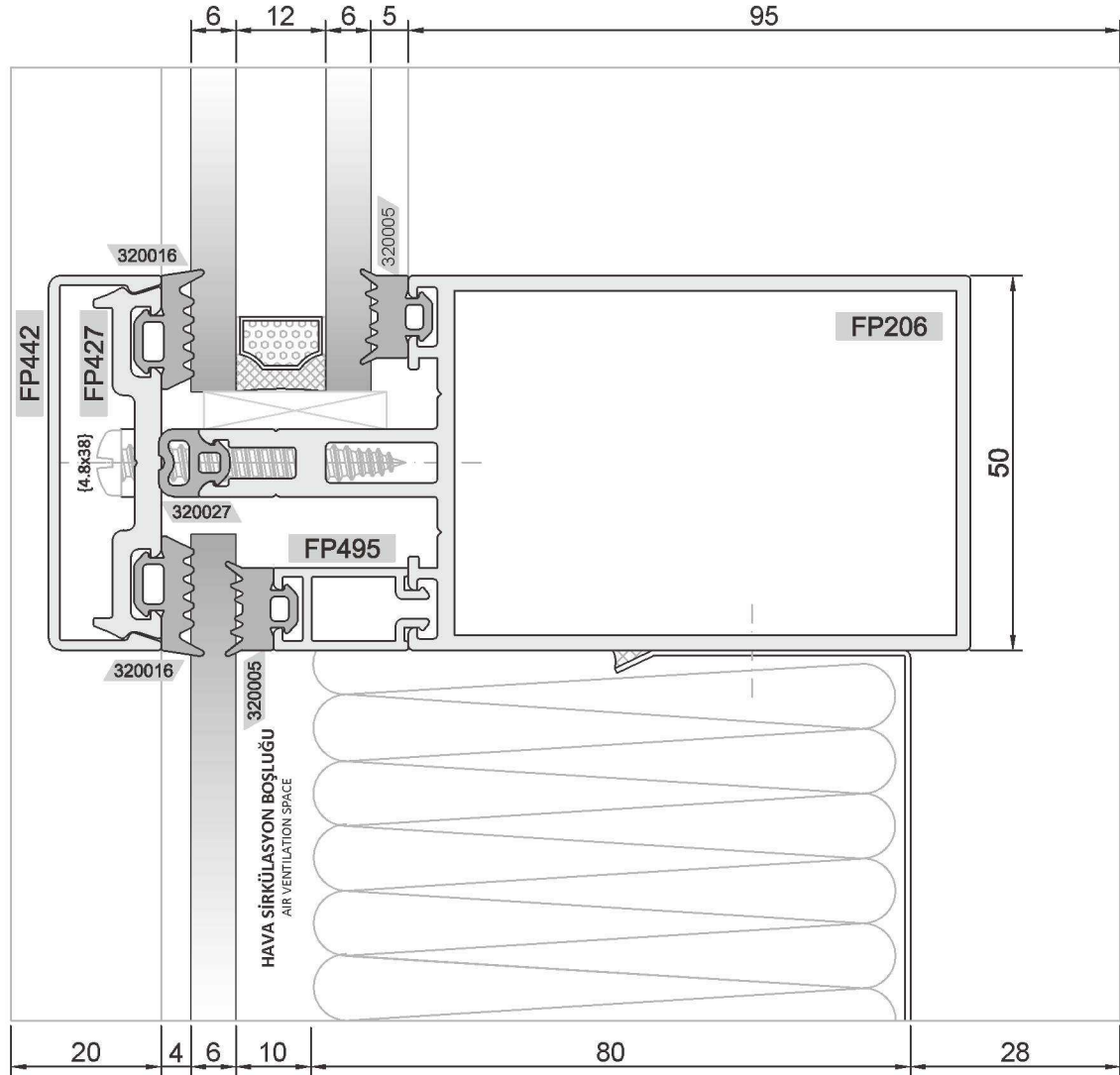
SPANDREL BÖLGE DÜŞEY DETAYI

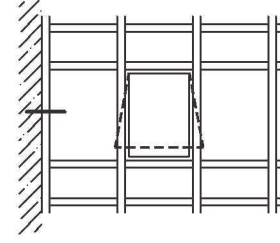
SPANDREL AREA VERTICAL DETAIL



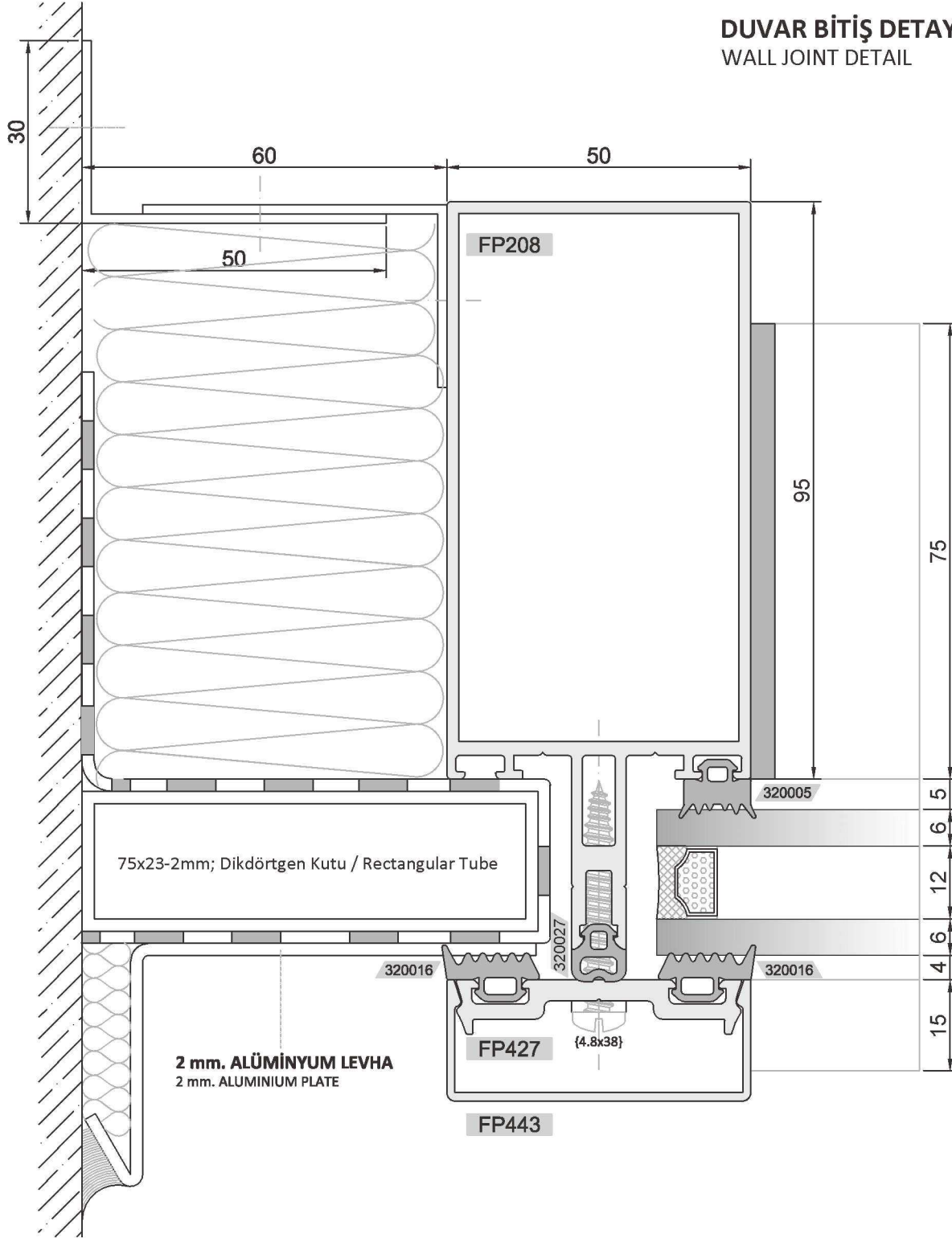


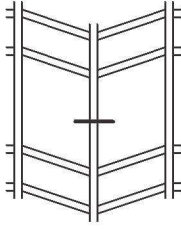
SPANDREL BÖLGE YATAY DETAYI
SPANDREL AREA HORIZONTAL DETAIL



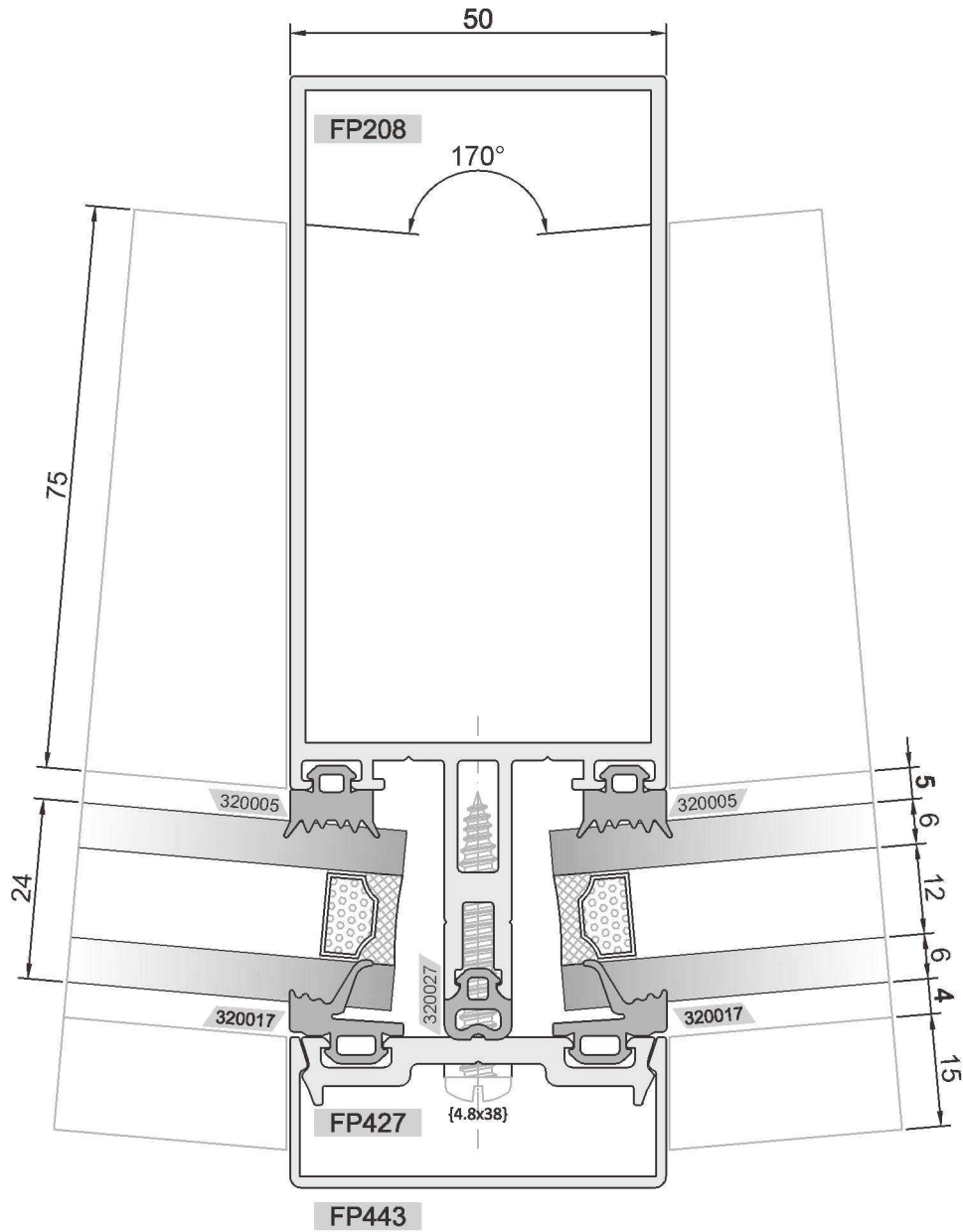


DUVAR BİTİŞ DETAYI
WALL JOINT DETAIL



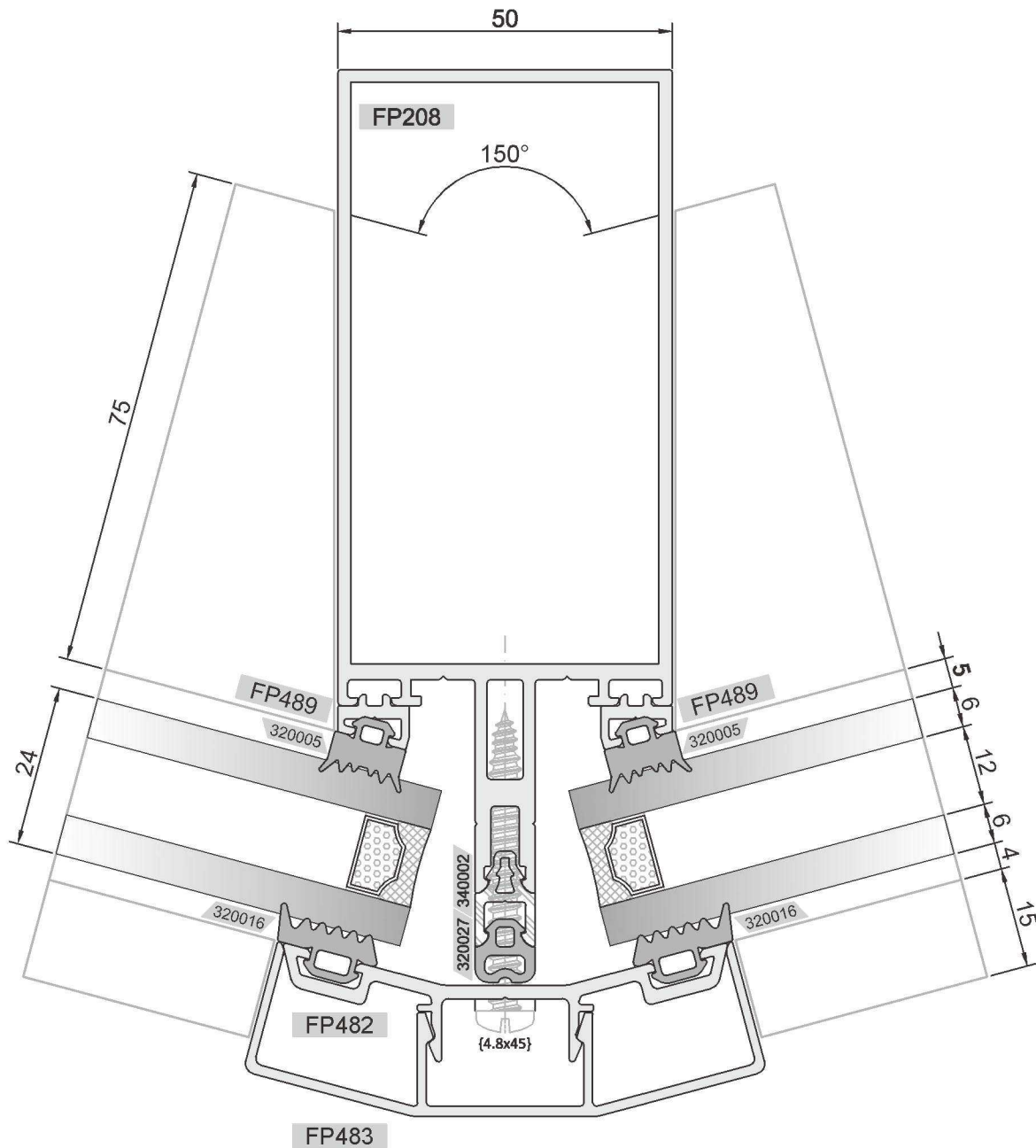


0° - 10°

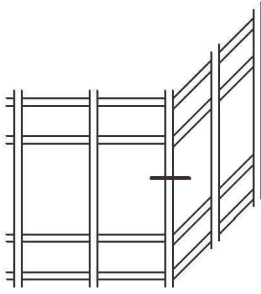




10° - 30°

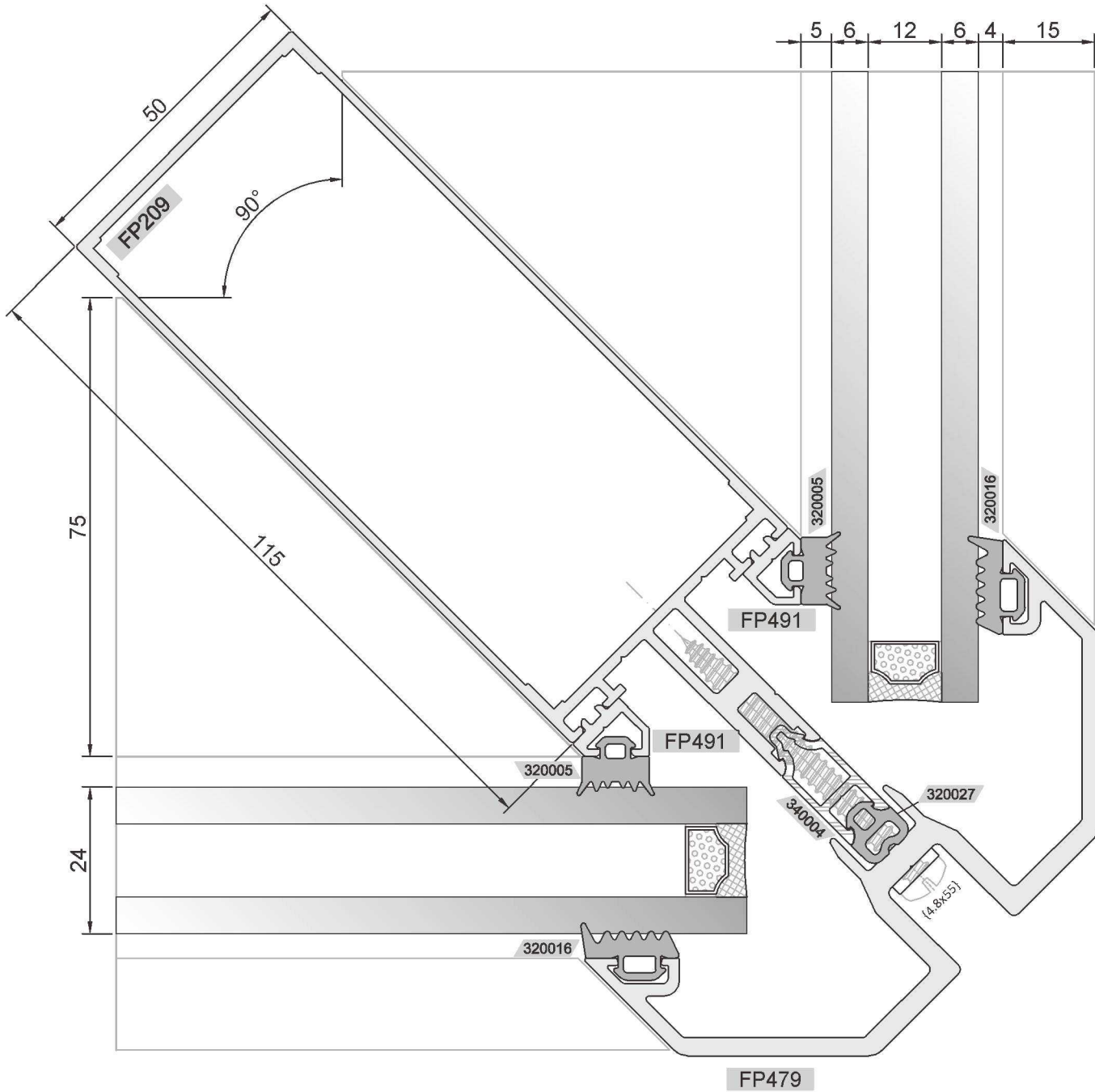


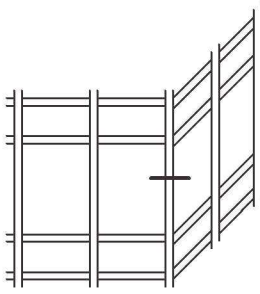
Technical drawing of a window frame cross-section. The drawing shows a central vertical frame with a top width of 50. The frame is composed of several parts, including a top panel labeled FP208 with a 120° angle. The frame is supported by a base labeled FP485. The frame is shown in a perspective view, with dimensions 24, 75, 12, 6, 4, and 15 indicating various lengths and angles. The frame is labeled with various components: FP490, 320005, 320016, 320028, 340003, and {4.8x50}.



90°

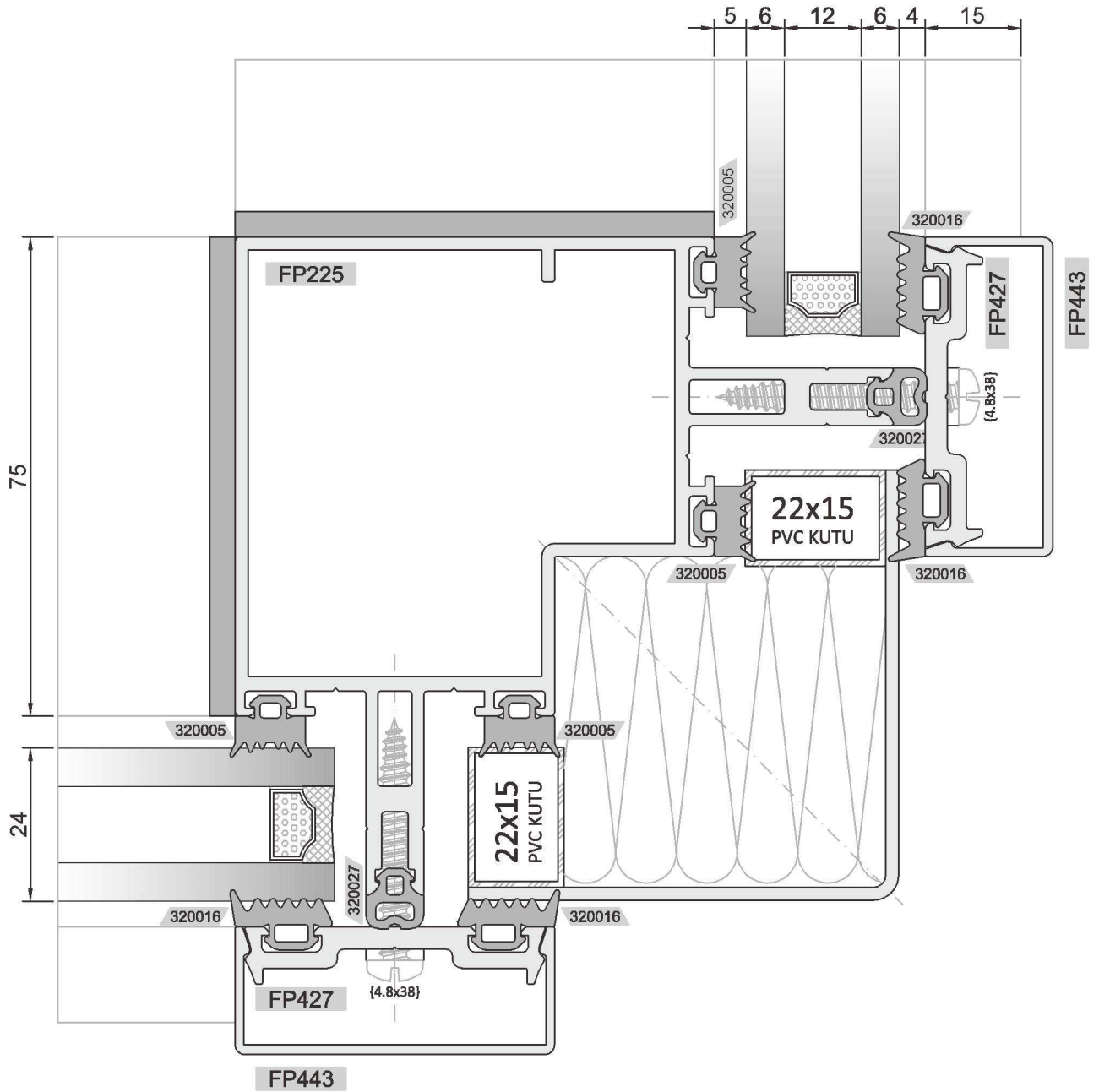
ALTERNATİF 1: TEK KAPAKLI KÖŞE DETAYI
 ALTERNATIVE 1 : CORNER DETAIL WITH SINGLE CAP

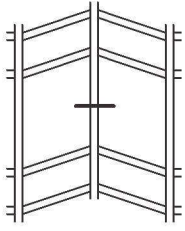




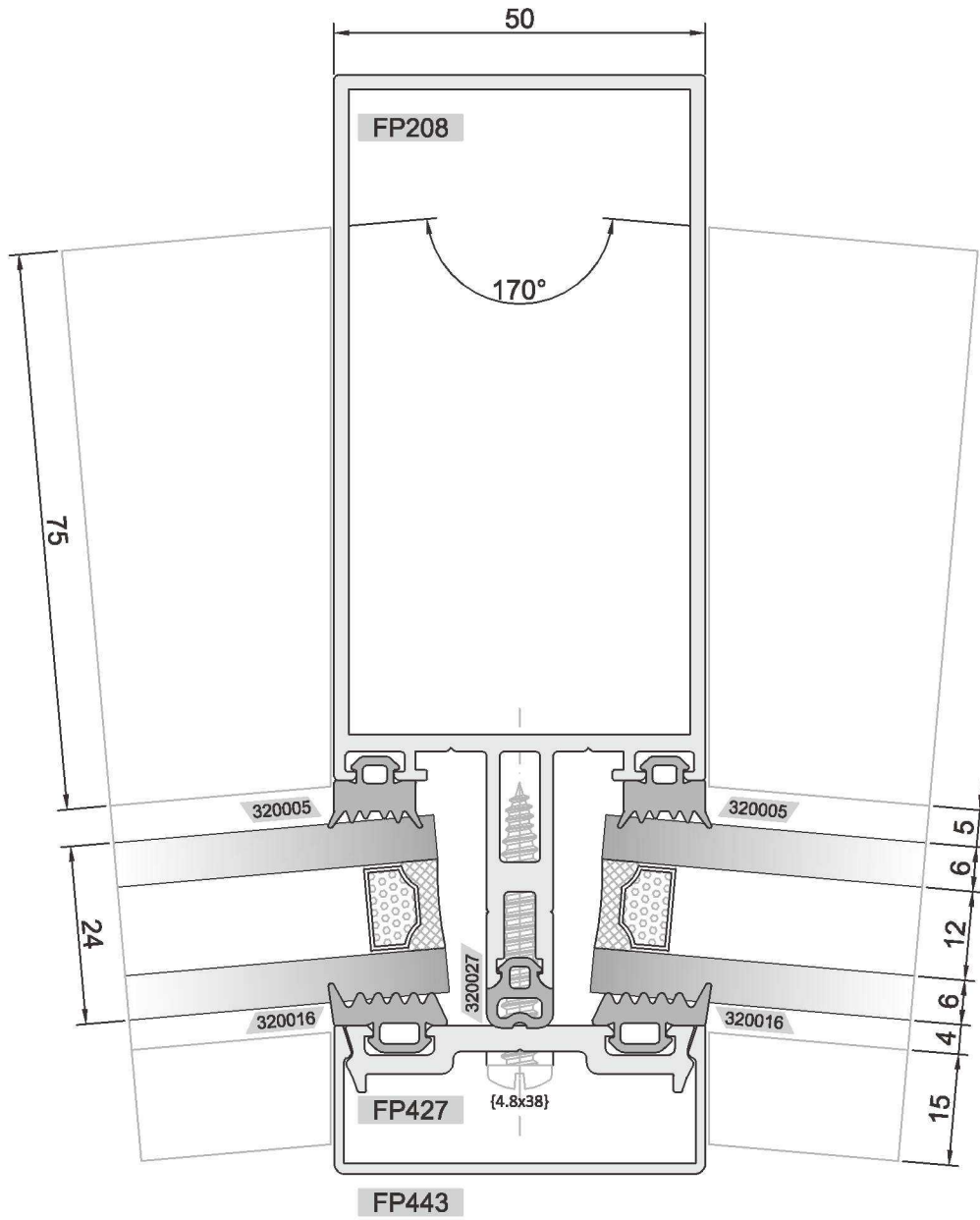
90°

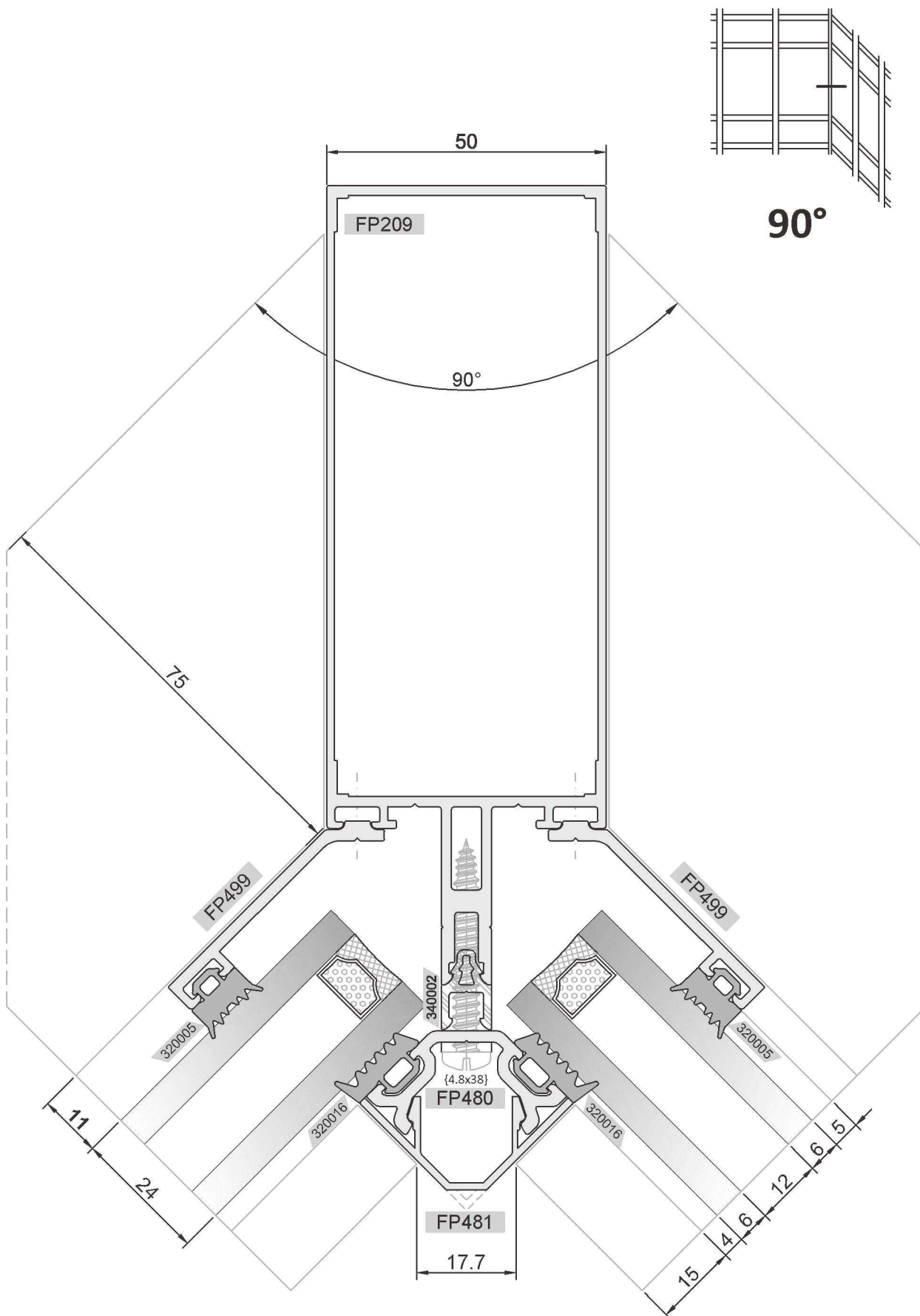
ALTERNATİF 2: ÇİFT KAPAKLI KÖŞE DETAYI
ALTERNATIVE 2 : CORNER DETAIL WITH DOUBLE CAP

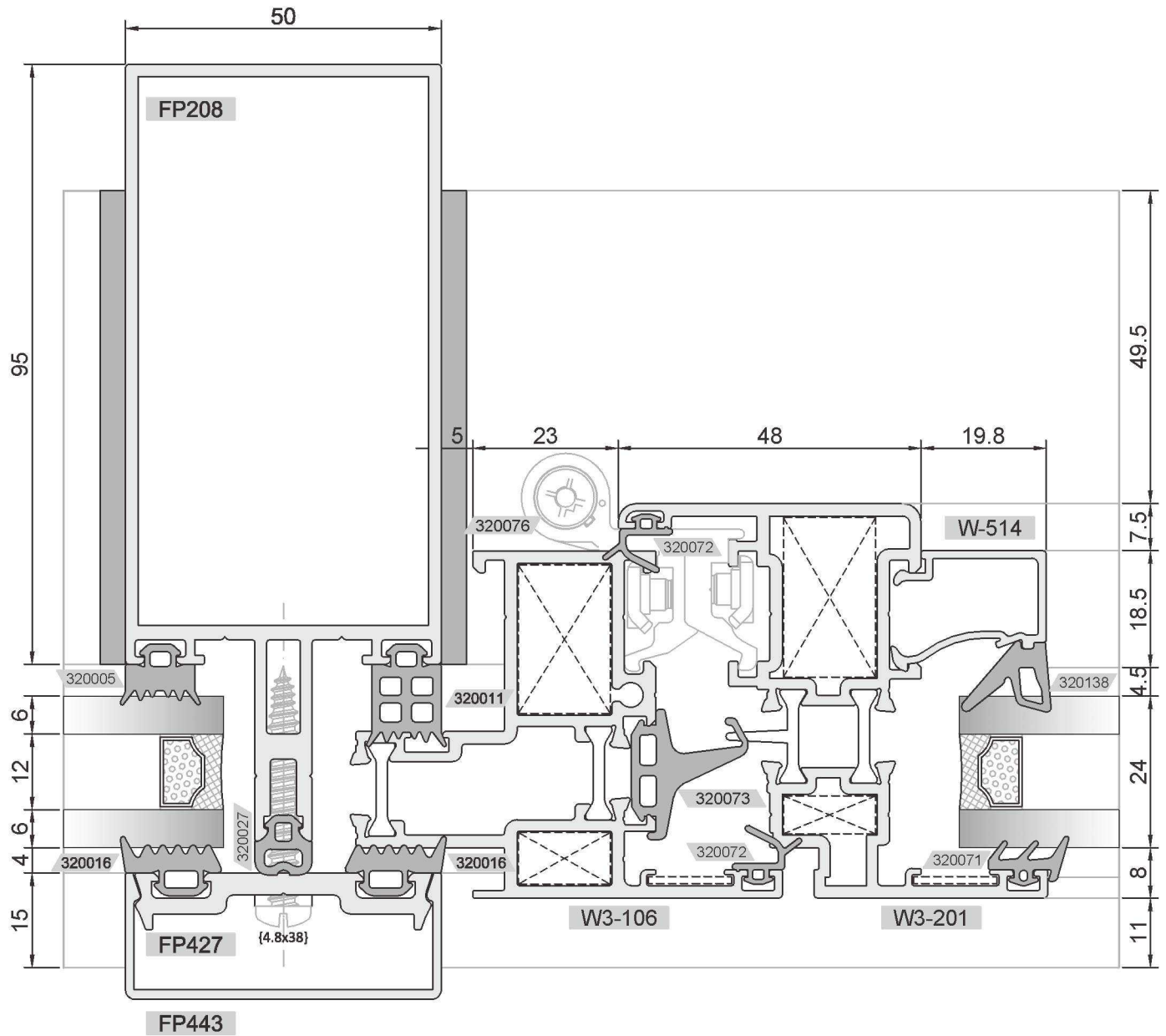
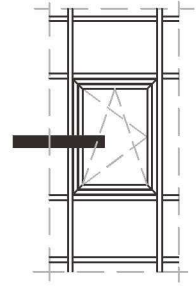


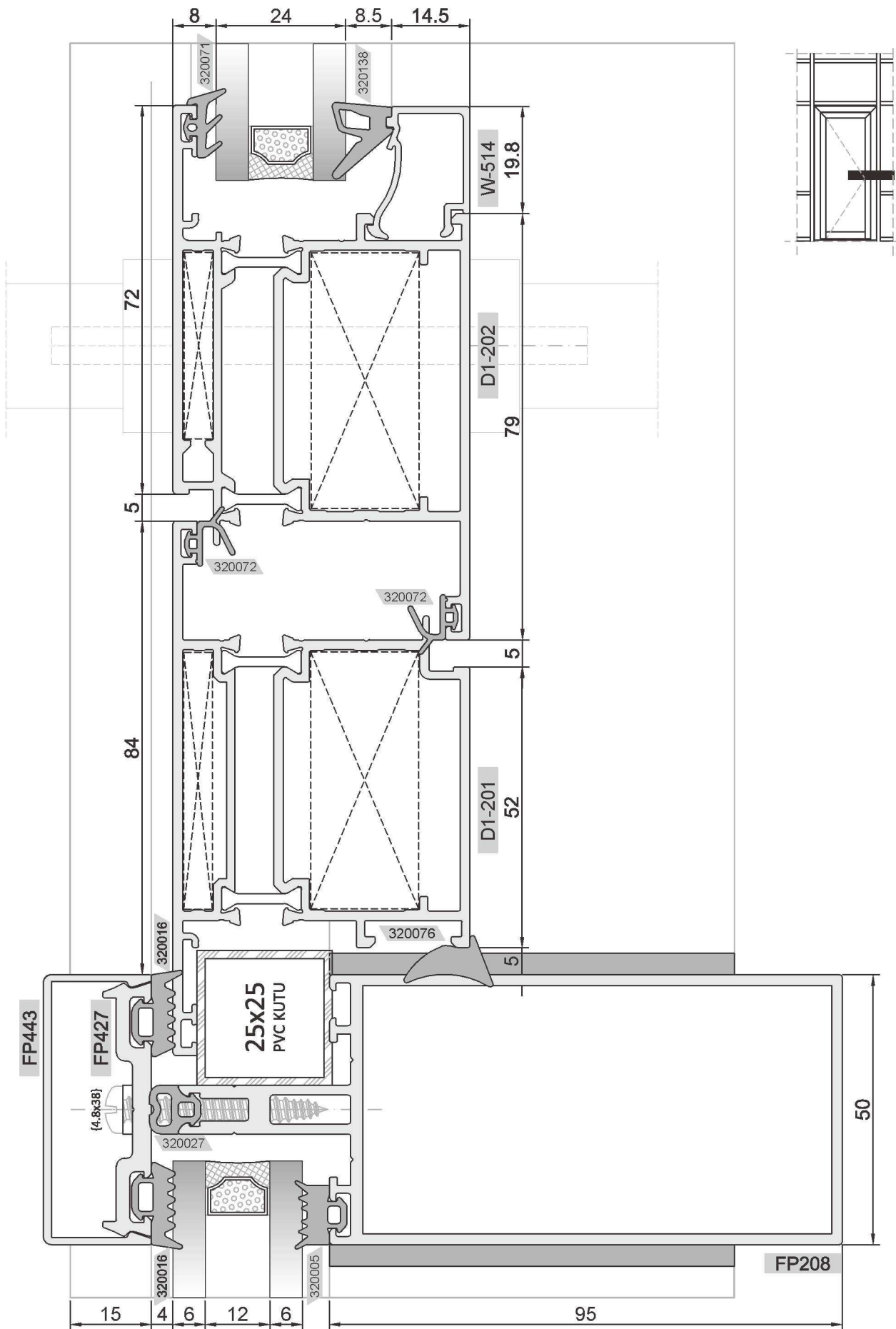


10° - 0°

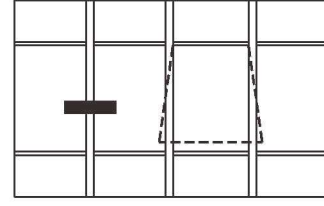




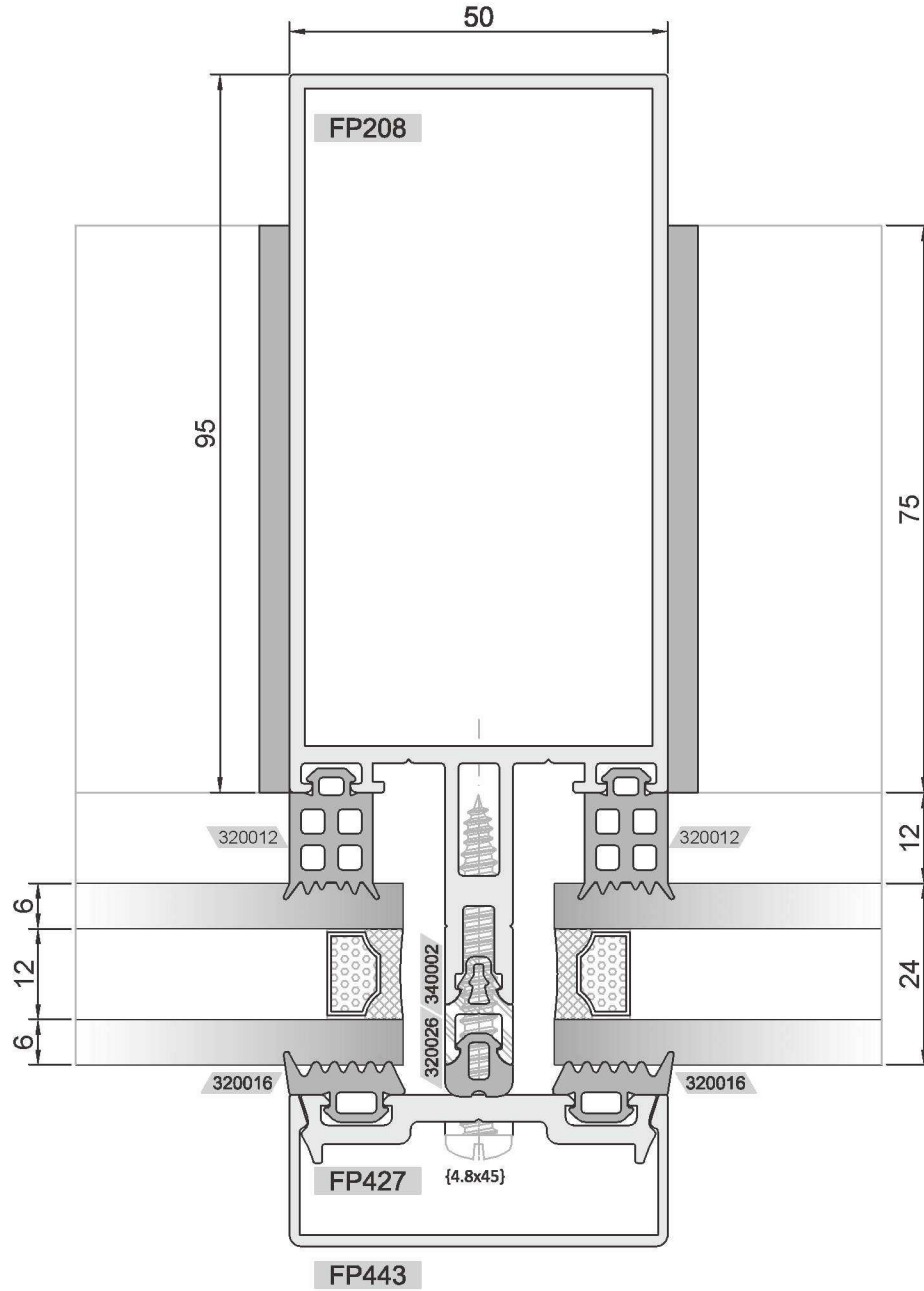




YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)
SEMI CAPPED SYSTEM (WITHOUT LOCKING BETWEEN GLASS)

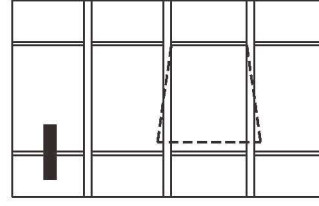


Düşey/Vertical: Kapaklı/Capped
Yatay/Horizontal: Silikon/Structural Glazing

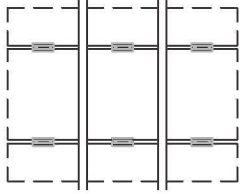


YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)

SEMI CAPPED SYSTEM (WITHOUT LOCKING BETWEEN GLASS)

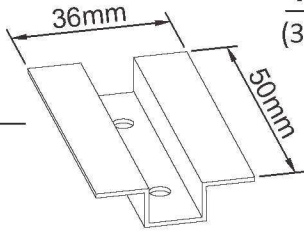


Düşey/Vertical: Kapaklı/Capped
Yatay/Horizontal: Silikon/Structural Glazing



HER CAMA 2 ADET GELECEK ŞEKİLDE ALTTA VE ÜSTTE TAM ORTADA KONUMLANDIRILMALI VE SİLİKON İŞLEMİNDEN ÖNCE 2 VİDA İLE BAĞLANMALIDIR.
IT SHOULD BE PLACED TOP&BOTTOM AT THE MIDDLE WITH 2 PIECES FOR EACH GLASS. AND IT SHOULD INSTALL WITH 2 SCREWS BEFORE THE SILICONE PROCESS.

460077
(360077)

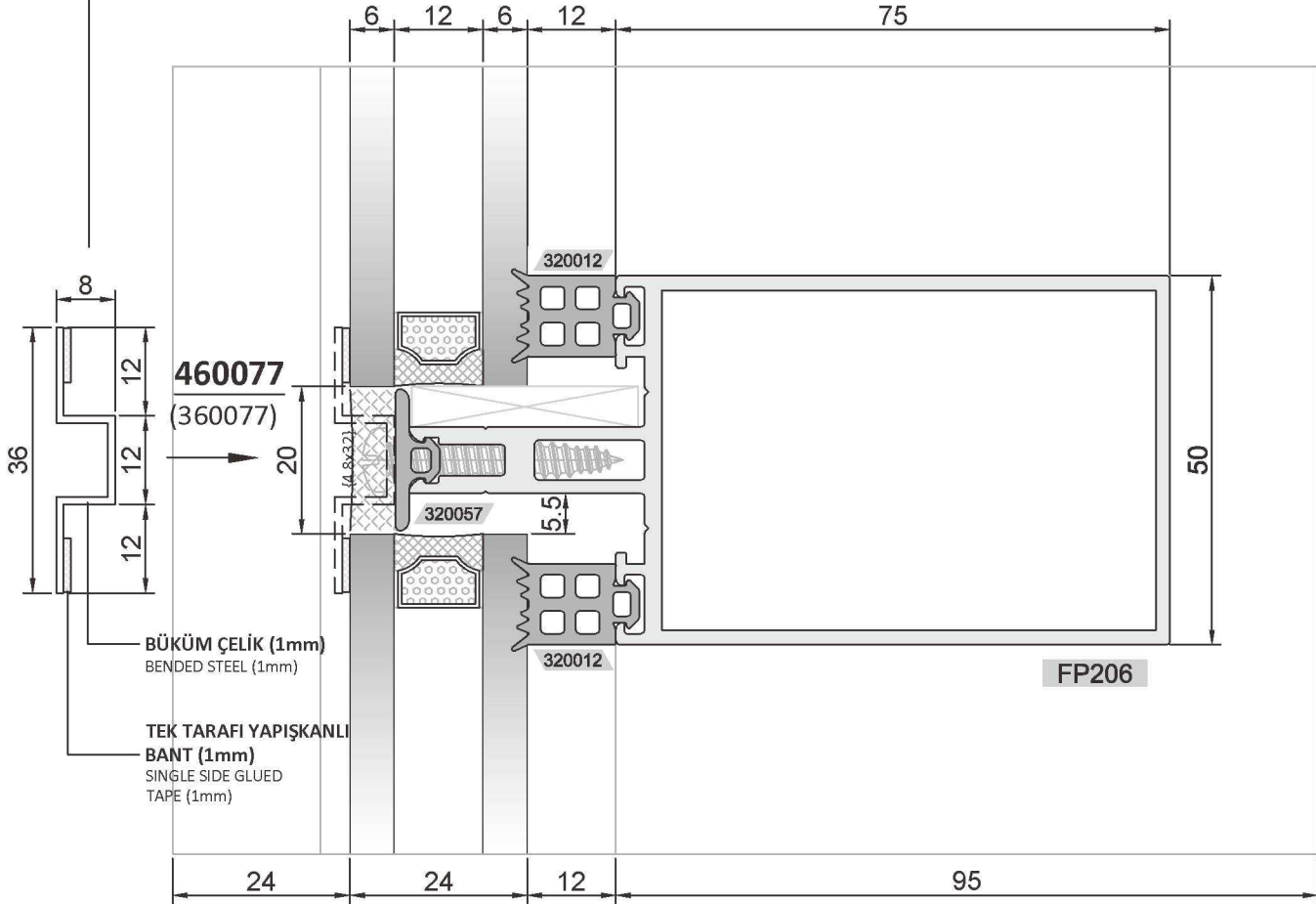


İLAVE GÜVENLİK PARÇASI
ADDITIONAL SAFETY PIECE

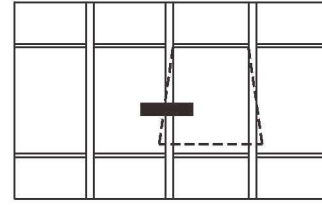


YATAY AKSLAR 1 METREDEN BÜYÜKSE DERZLERİN ORTASINA GÜVENLİK PARÇASI EKLENMELİDİR. BU PARÇA 5CM BOYUNDA VE SİYAH TOZ BOYALIDIR.

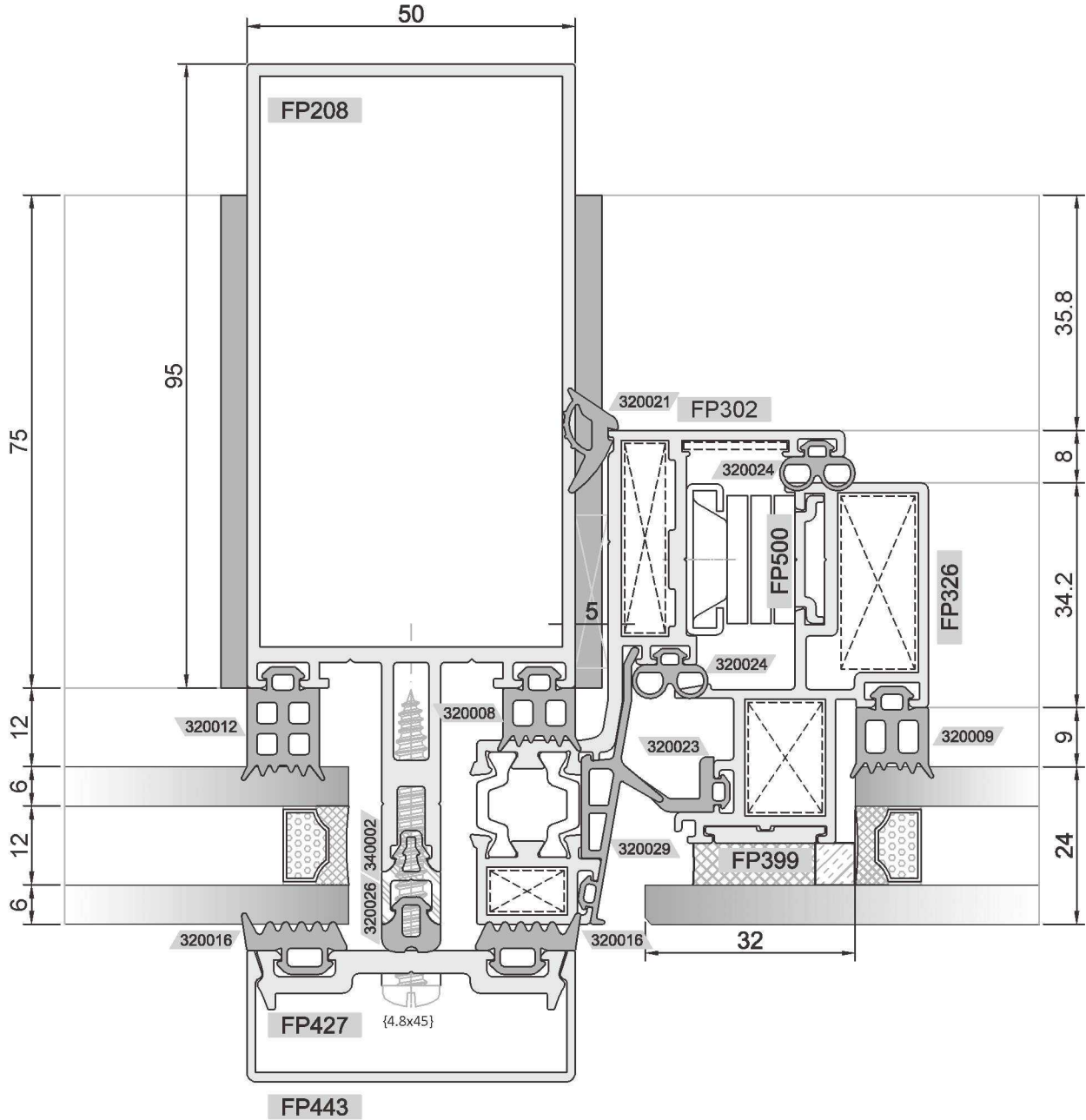
IF THE HORIZONTAL AXIS GREATER THAN 1M, THE ADDITIONAL SECURITY PIECE SHOULD BE USED AT THE MIDDLE OF EXPANSION JOINTS AS SHOWN BELOW. IT IS 5CM LONG AND BLACK POWDER COATED.



YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)
SEMI CAPPED SYSTEM (WITHOUT LOCKING BETWEEN GLASS)

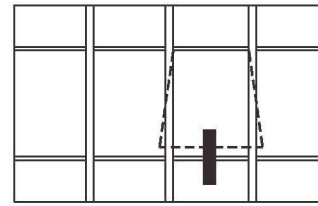


Düşey/Vertical: Kapaklı/Capped
Yatay/Horizontal: Silikon/Structural Glazing

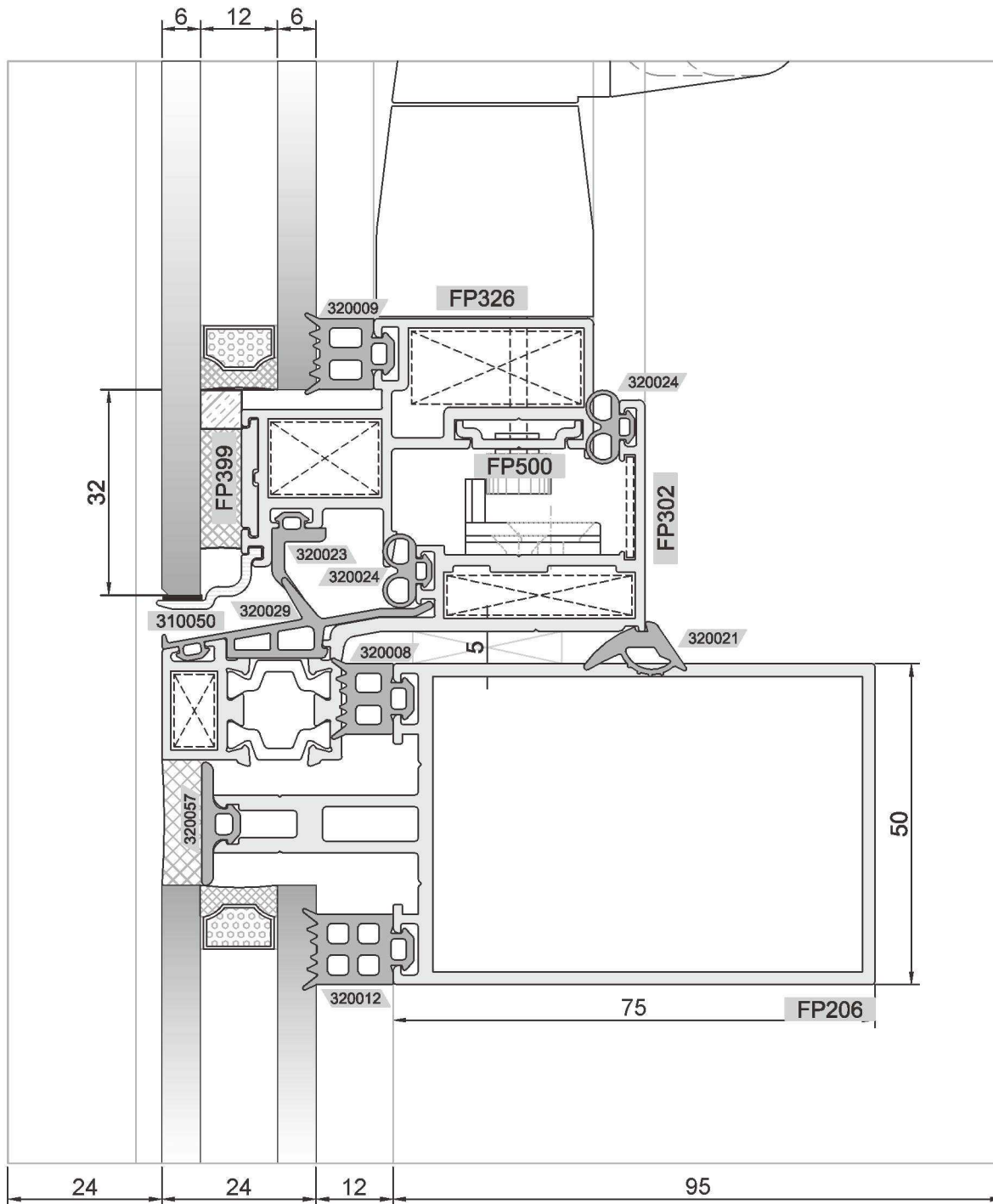


YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)

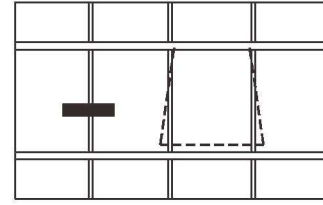
SEMI CAPPED SYSTEM (WITHOUT LOCKING BETWEEN GLASS)



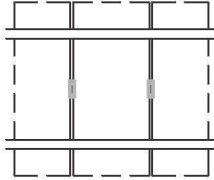
Düşey/Vertical: Kapaklı/Capped
Yatay/Horizontal: Silikon/Structural Glazing



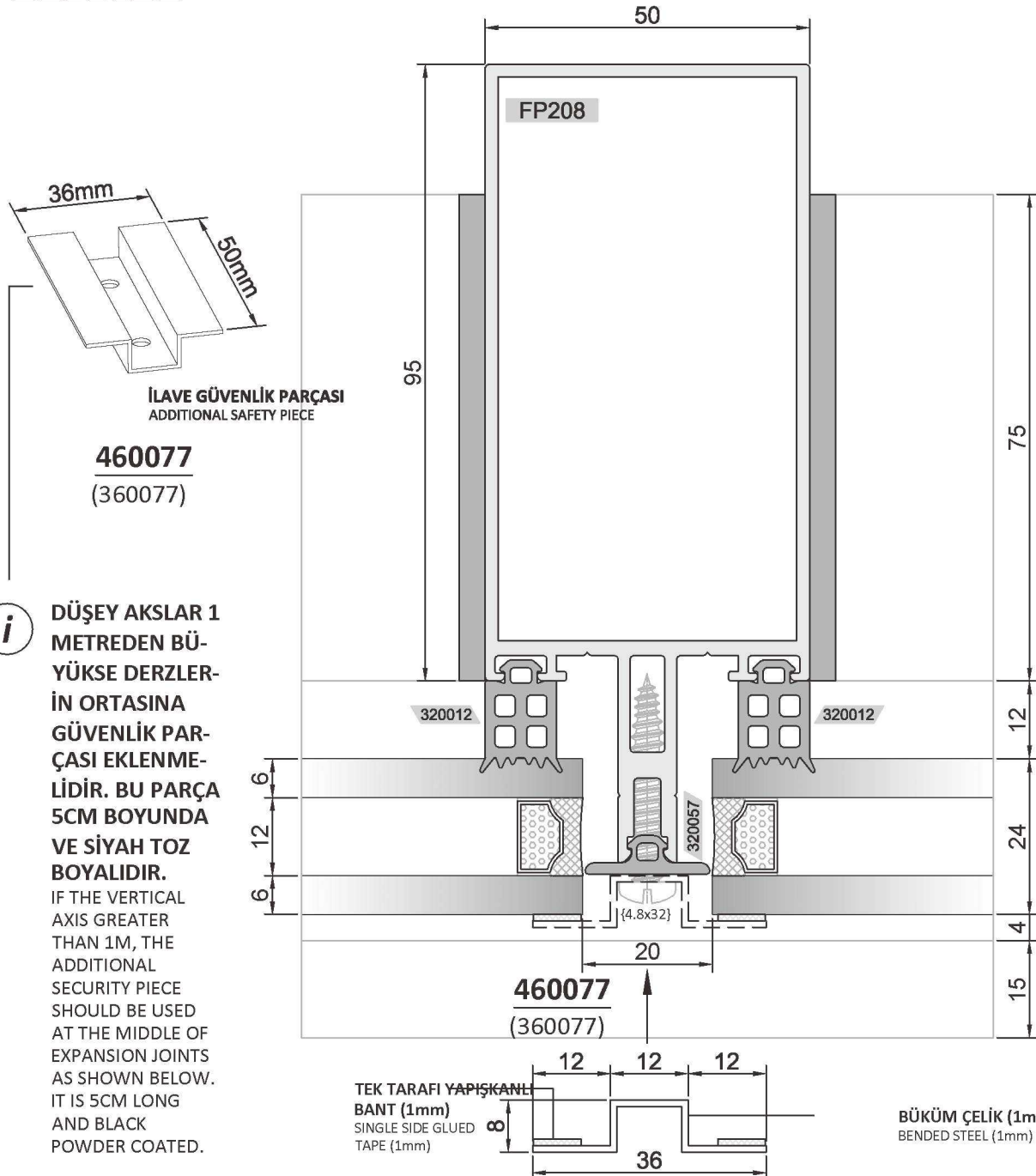
YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)



Düşey/Vertical: Silikon/Structural Glazing
Yatay/Horizontal: Kapaklı/Capped

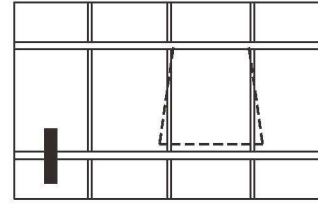


HER CAMA 2 ADET GELECEK ŞEKİLDE SAĞDA VE SOLDA TAM ORTADA KONUMLANDIRILMALI VE SİLİKON İŞLEMİNDEN ÖNCE 2 VİDA İLE BAĞLANMALIDIR.
IT SHOULD BE PLACED RIGHT&LEFT AT THE MIDDLE WITH 2 PIECES FOR EACH GLASS. AND IT SHOULD INSTALL WITH 2 SCREWS BEFORE THE SILICONE PROCESS.

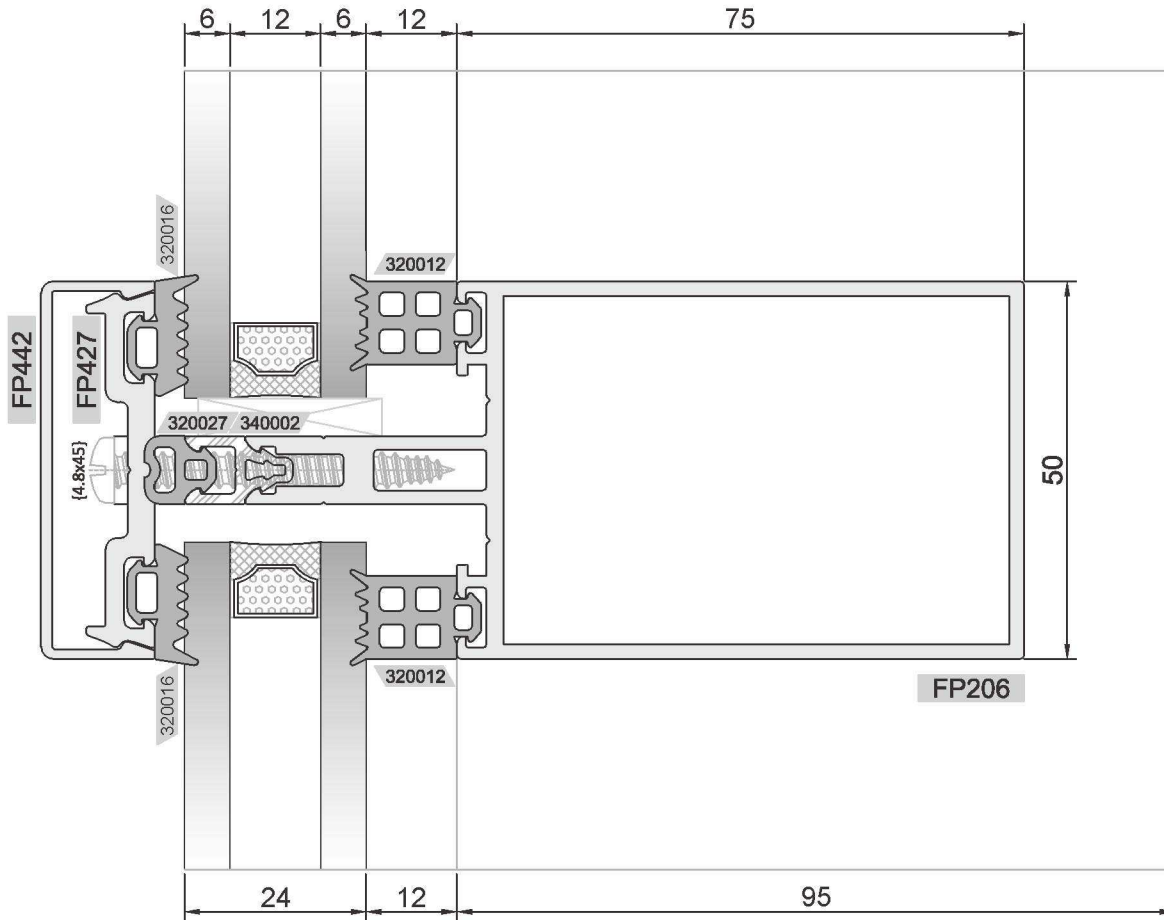


i DÜŞEY AKSLAR 1
METREDEN BÜ-
YÜKSE DERZLER-
İN ORTASINA
GÜVENLİK PAR-
ÇASI EKLENME-
LİDİR. BU PARÇA
5CM BOYUNDA
VE SİYAH TOZ
BOYALIDIR.
IF THE VERTICAL
AXIS GREATER
THAN 1M, THE
ADDITIONAL
SECURITY
PIECE SHOULD
BE USED
AT THE MIDDLE
OF EXPANSION
JOINTS AS
SHOWN BELOW.
IT IS 5CM LONG
AND BLACK
POWDER COATED.

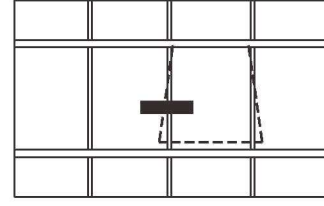
YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)
SEMI CAPPED SYSTEM (WITHOUT LOCKING BETWEEN GLASS)



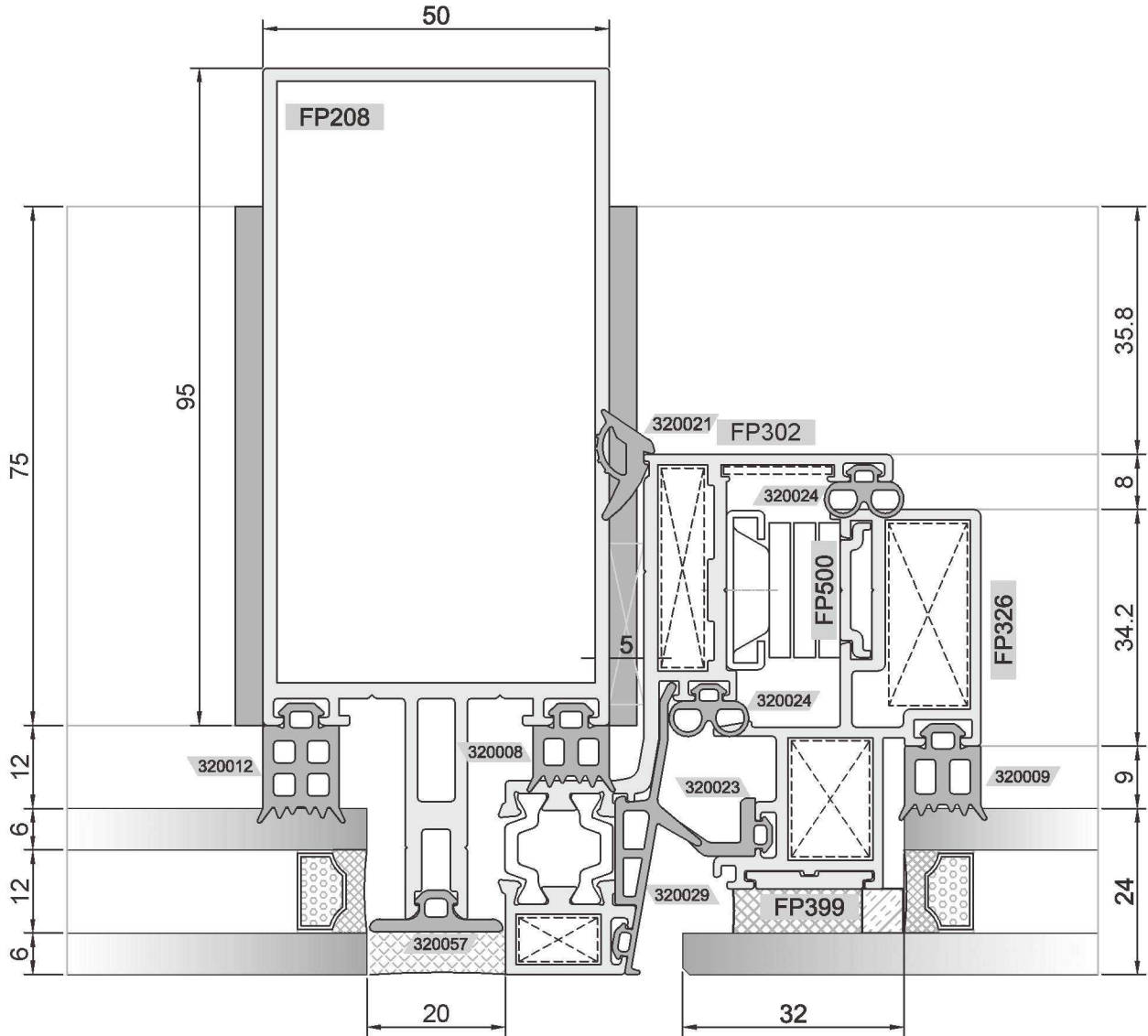
Düşey/Vertical: Silikon/Structural Glazing
Yatay/Horizontal: Kapaklı/Capped



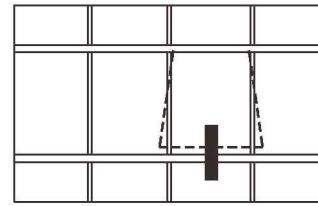
YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)
SEMI CAPPED SYSTEM (WITHOUT LOCKING BETWEEN GLASS)



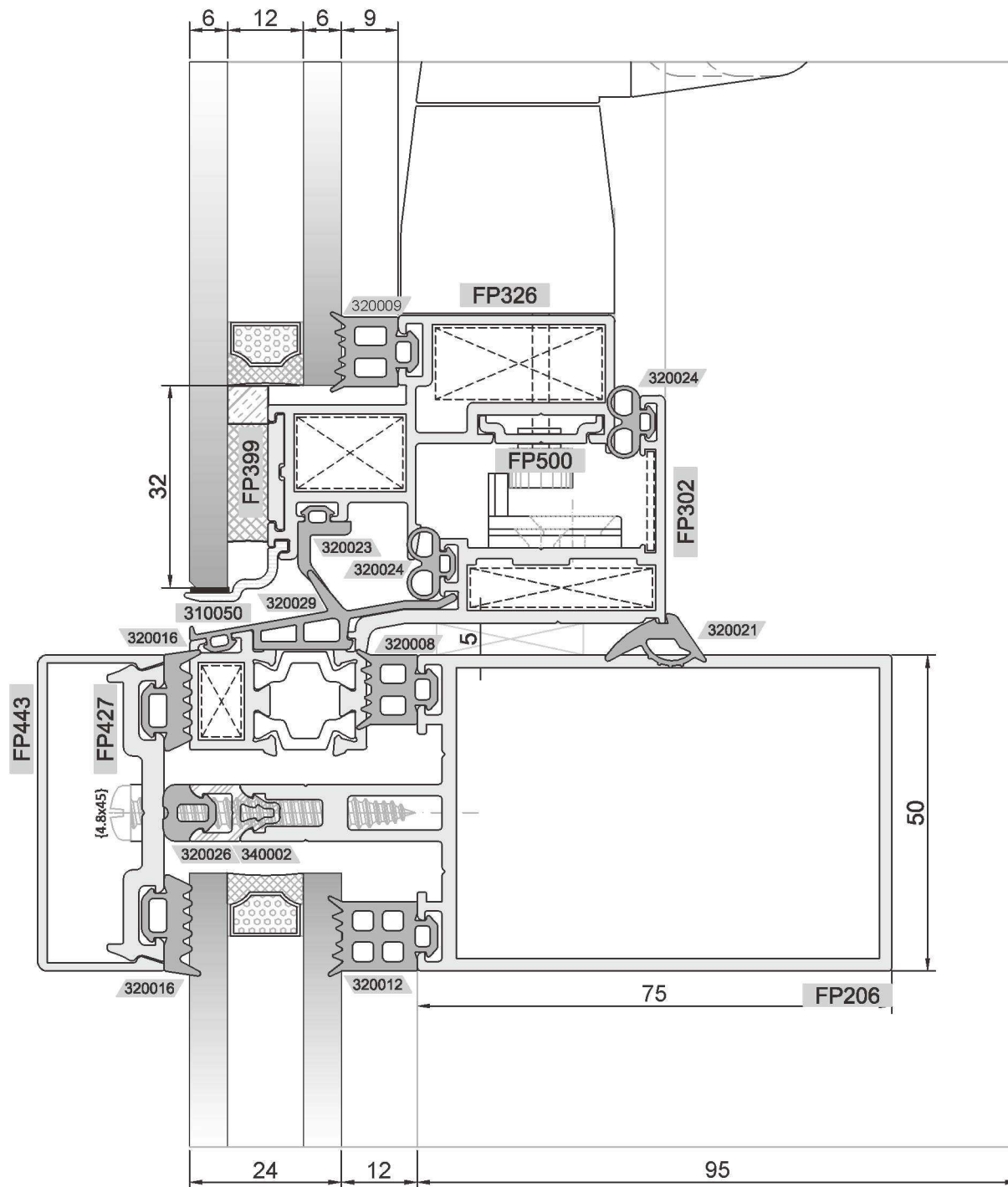
Düşey/Vertical: Silikon/Structural Glazing
Yatay/Horizontal: Kapaklı/Capped



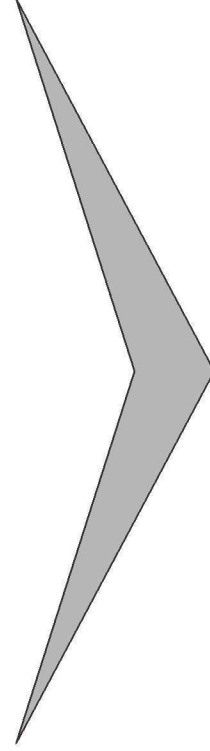
YARI KAPAKLI SİSTEM (CAM ARA KİTLEMESİZ)



Düşey/Vertical: Silikon/Structural Glazing
Yatay/Horizontal: Kapaklı/Capped

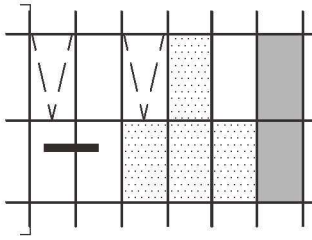


ENTEGRE CEPHE INTEGRATED CURTAIN WALL

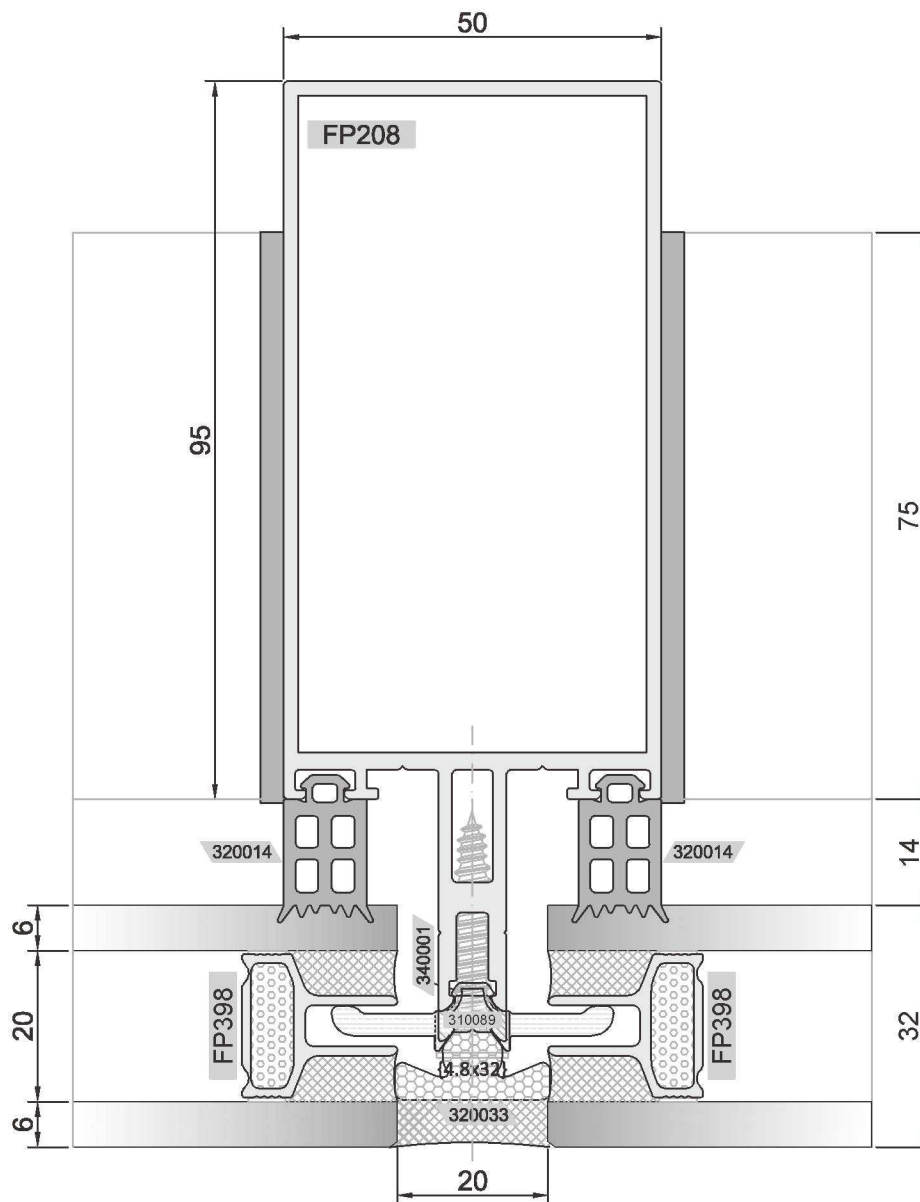


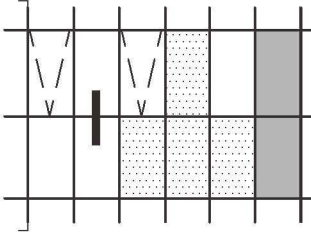
* 20mm STANDART
ALÜMİNYUM ISICAM
ÇITASI
20mm STANDARD
ALUMINIUM SPACER

► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALUMINIUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

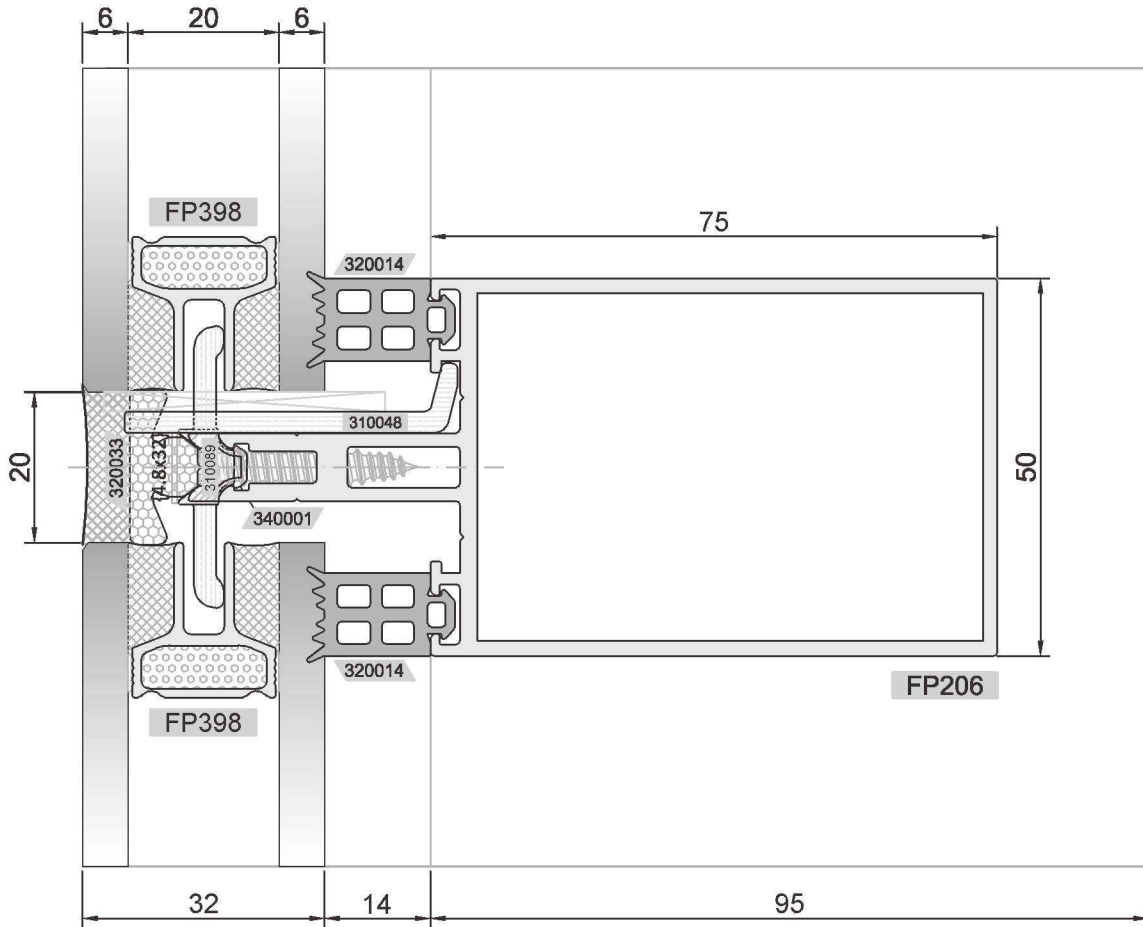


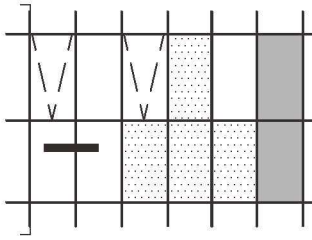
DÜŞEY DETAYI
VERTICAL DETAIL





YATAY DETAYI
HORIZONTAL DETAIL



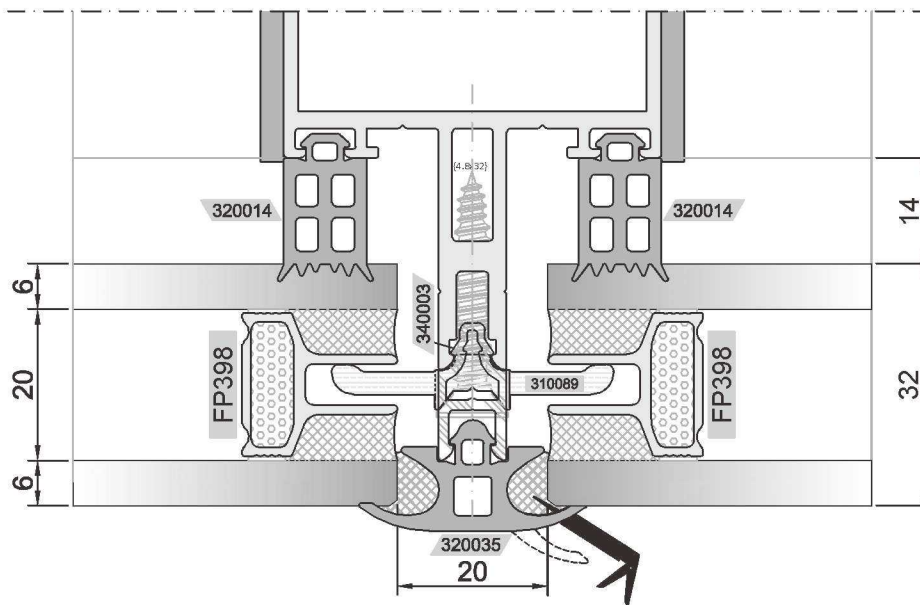
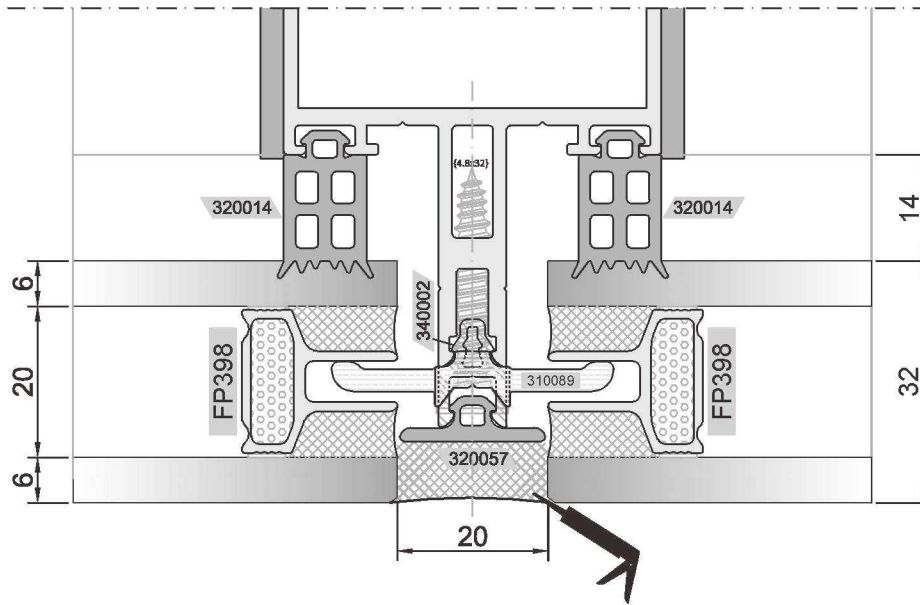


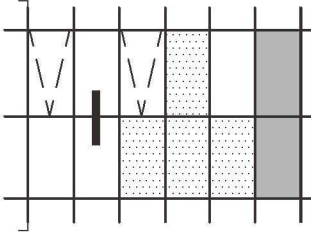
SİLİKON DERZ FİTİLİ ALTERNATİFLERİ

SILICONE SEAM GASKET ALTERNATIVES

DÜŞEY DETAYI

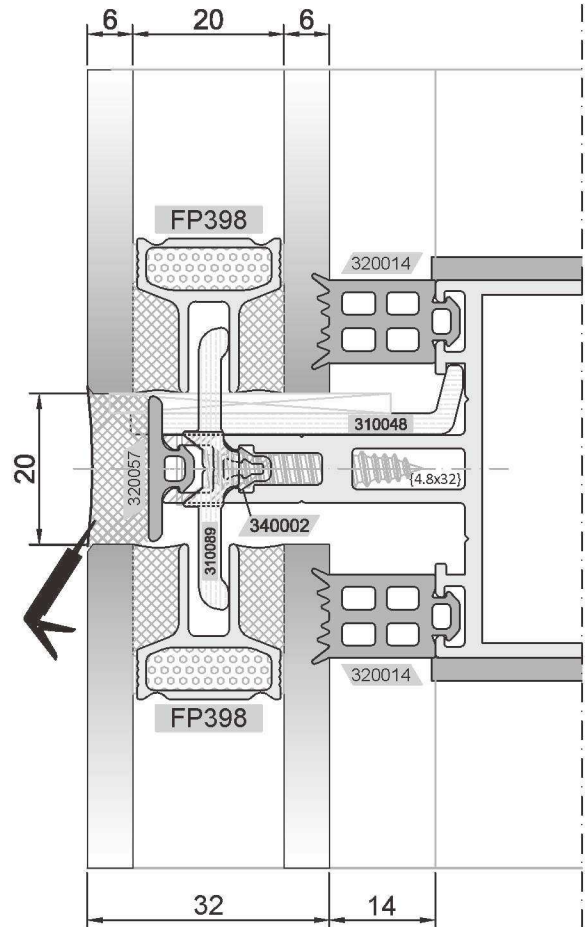
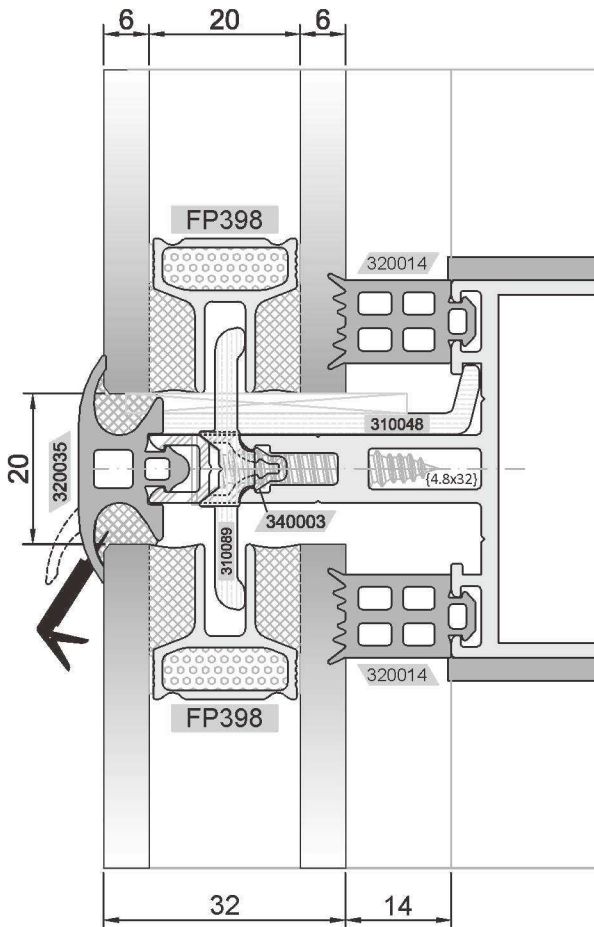
VERTICAL DETAIL

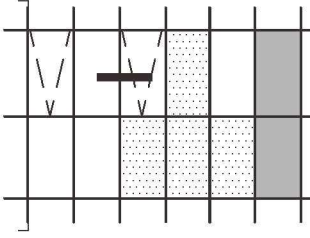




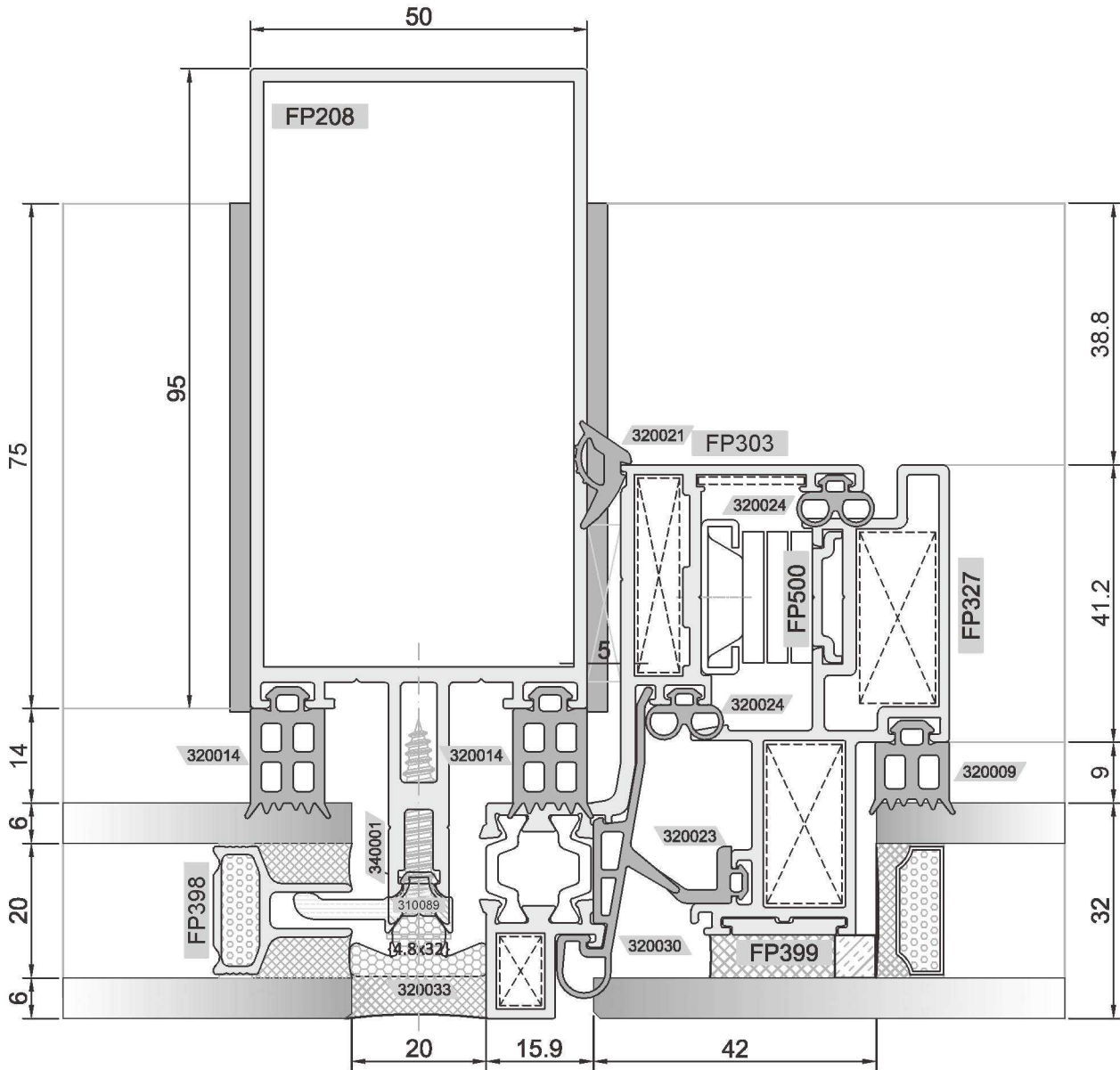
SİLİKON DERZ FİTİLİ ALTERNATİFLERİ SILICONE SEAM GASKET ALTERNATIVES

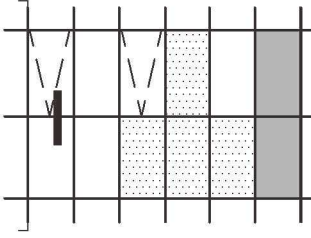
YATAY DETAYI HORIZONTAL DETAIL



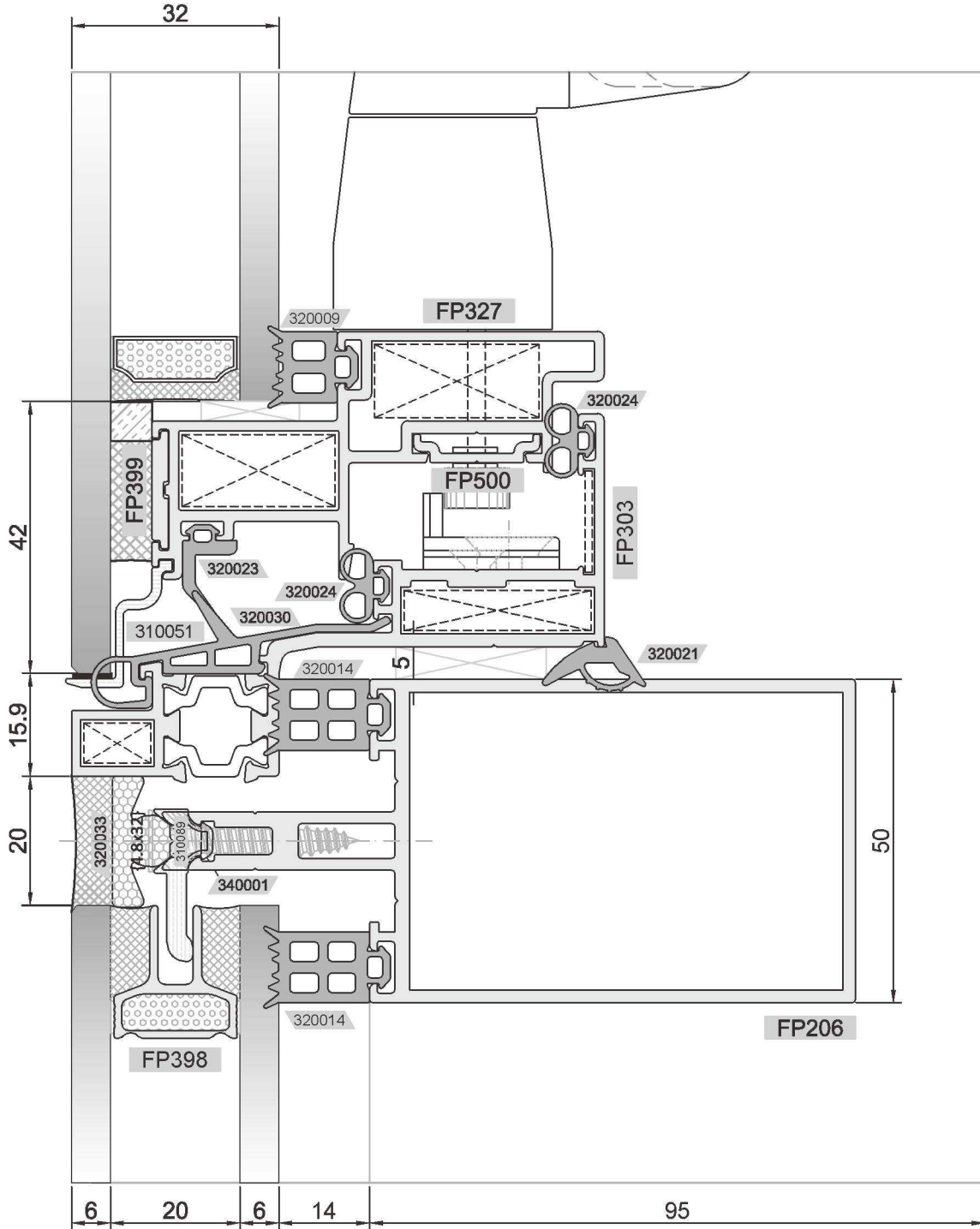


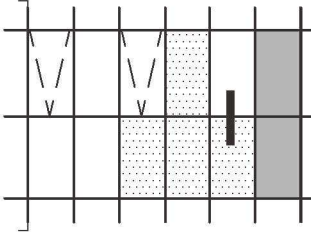
DIŞA AÇILIR KANAT DÜŞEY DETAYI
TOP HUNG OUTWARD OPENING VERTICAL DETAIL



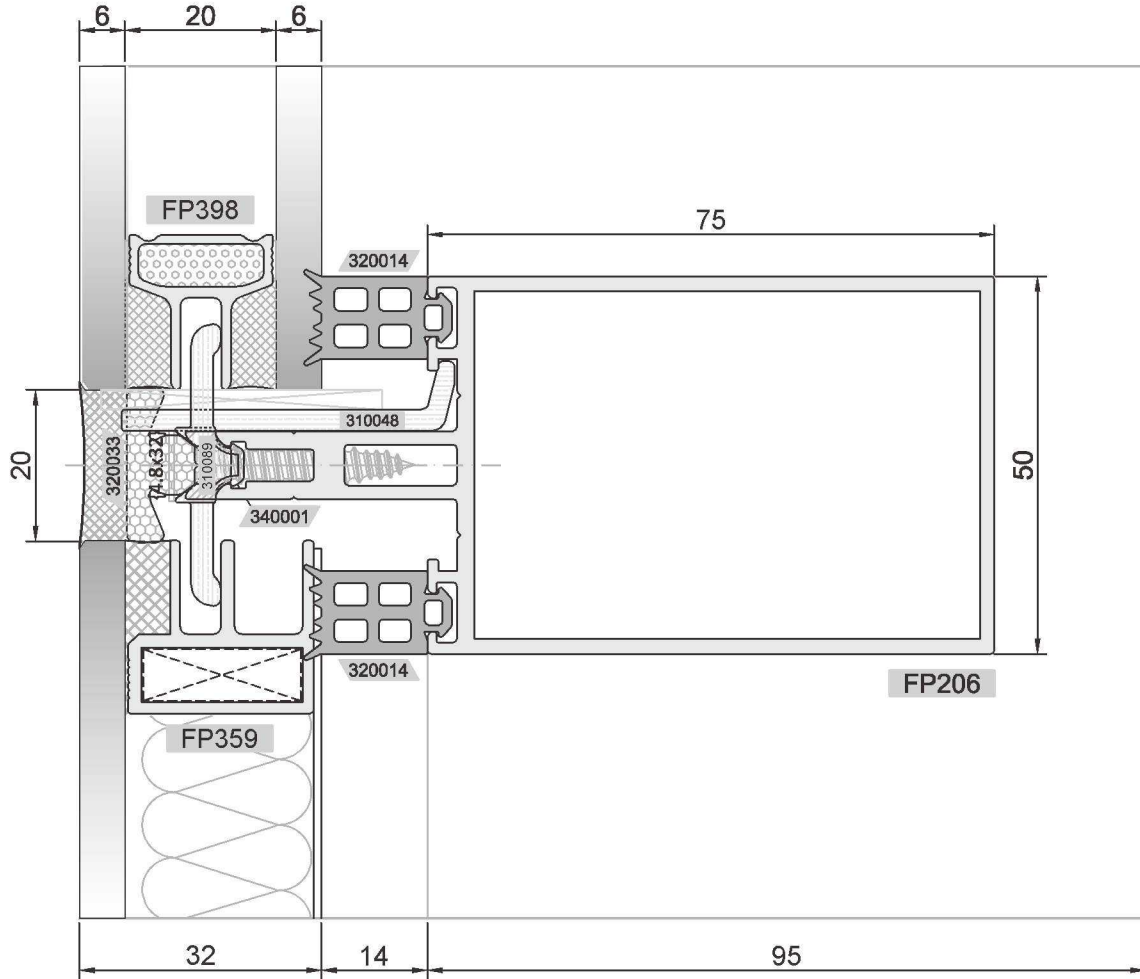


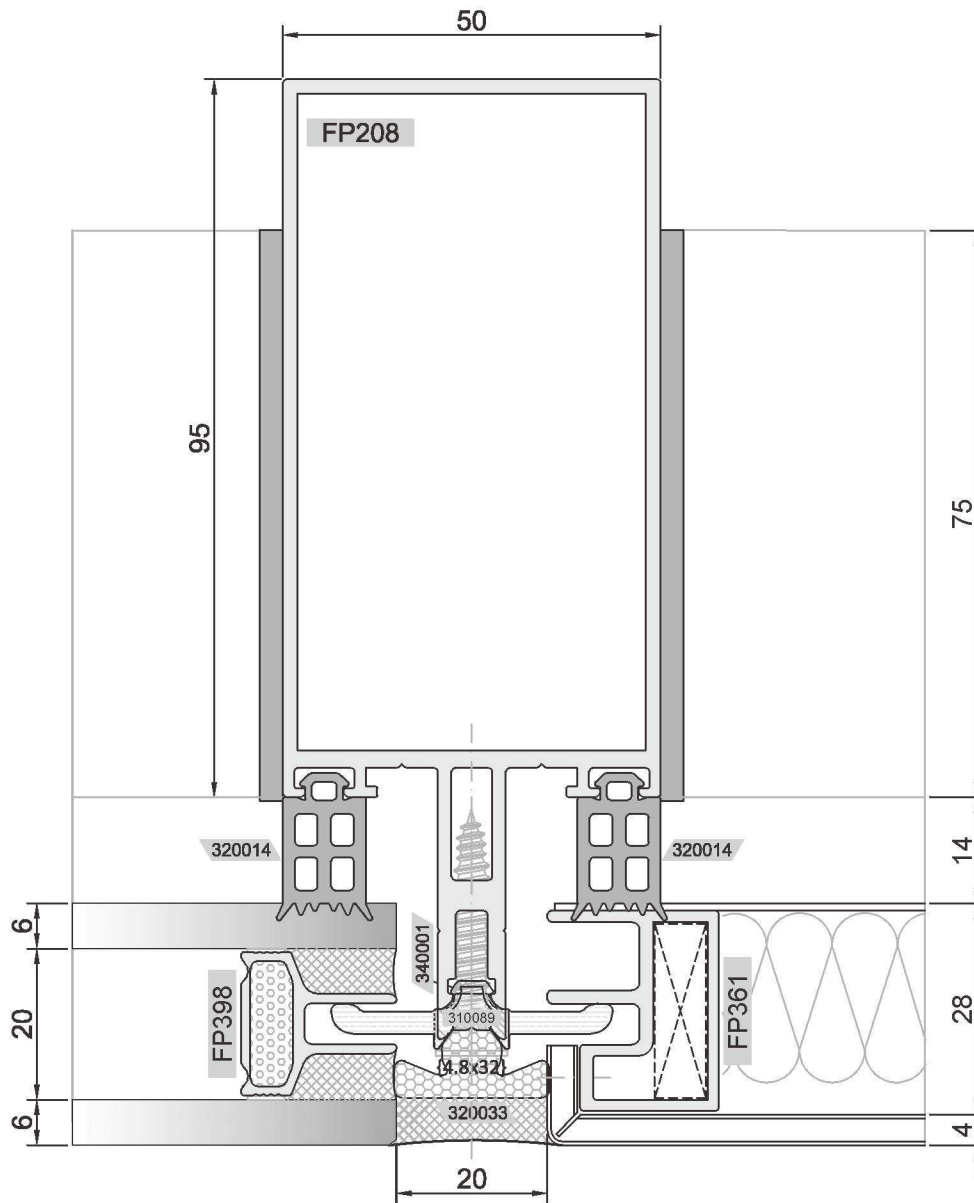
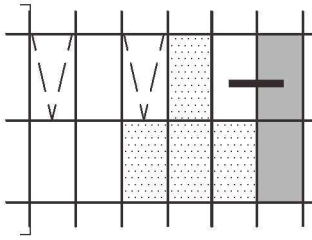
DIŞA AÇILIR KANAT YATAY DETAYI
TOP HUNG OUTWARD OPENING HORIZONTAL DETAIL

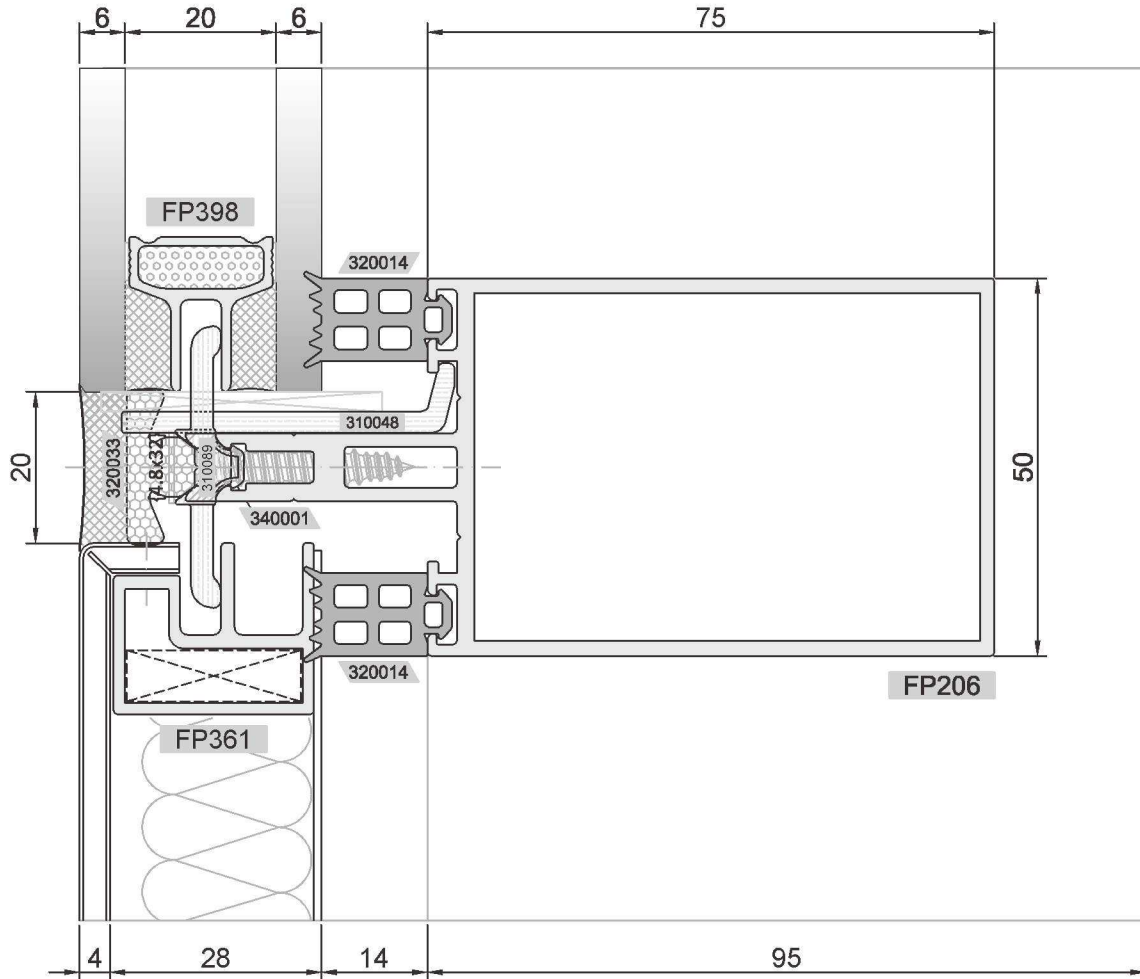
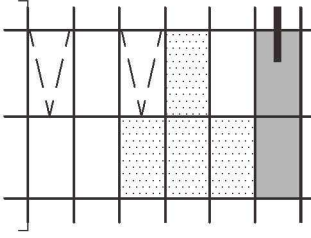


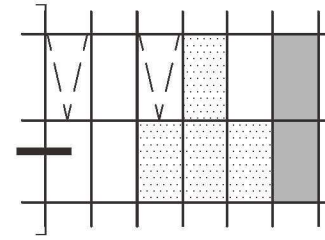


SPANDREL BÖLGE YATAY DETAYI
SPANDREL AREA HORIZONTAL DETAIL



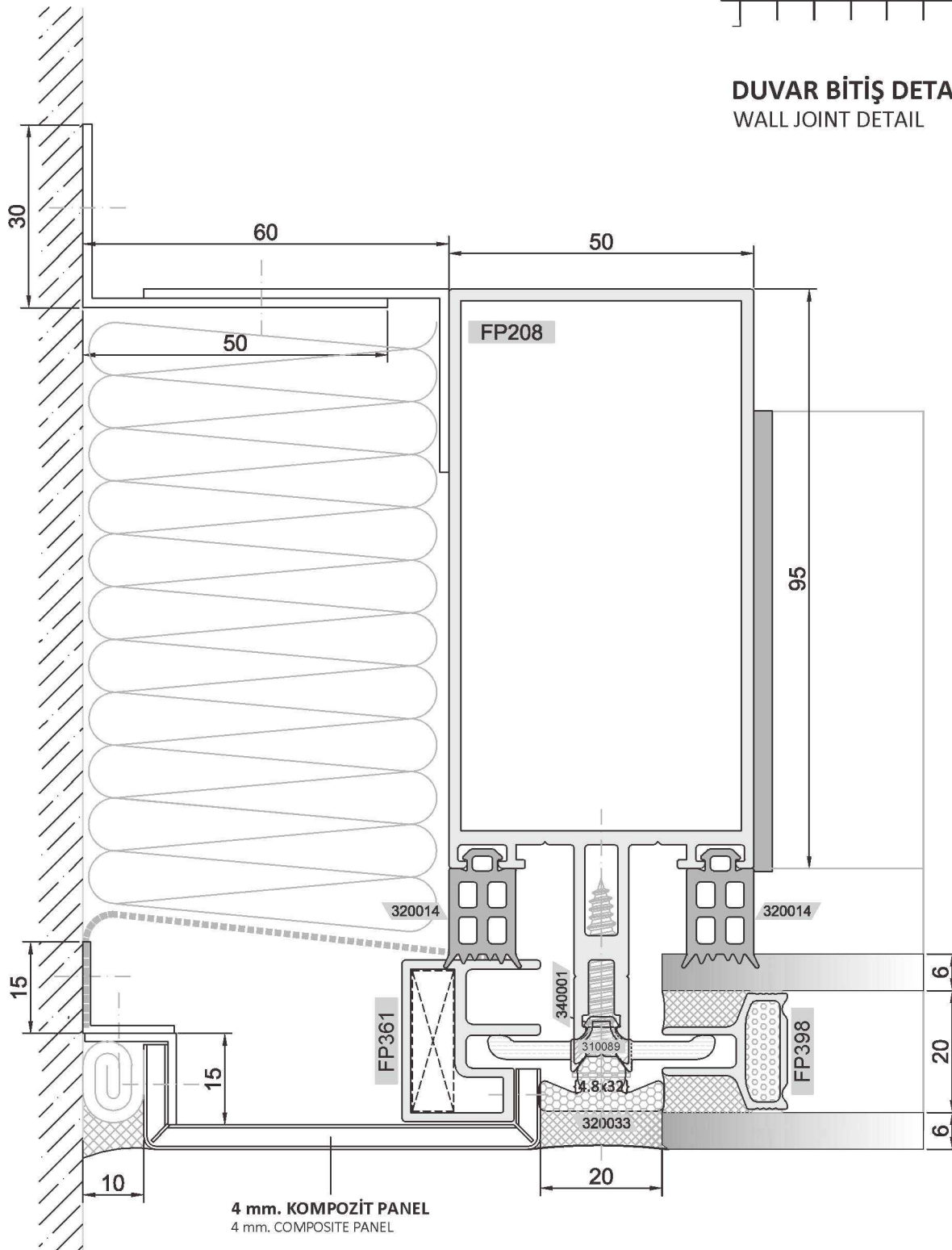


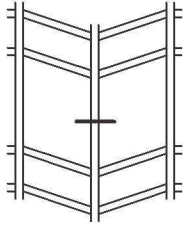




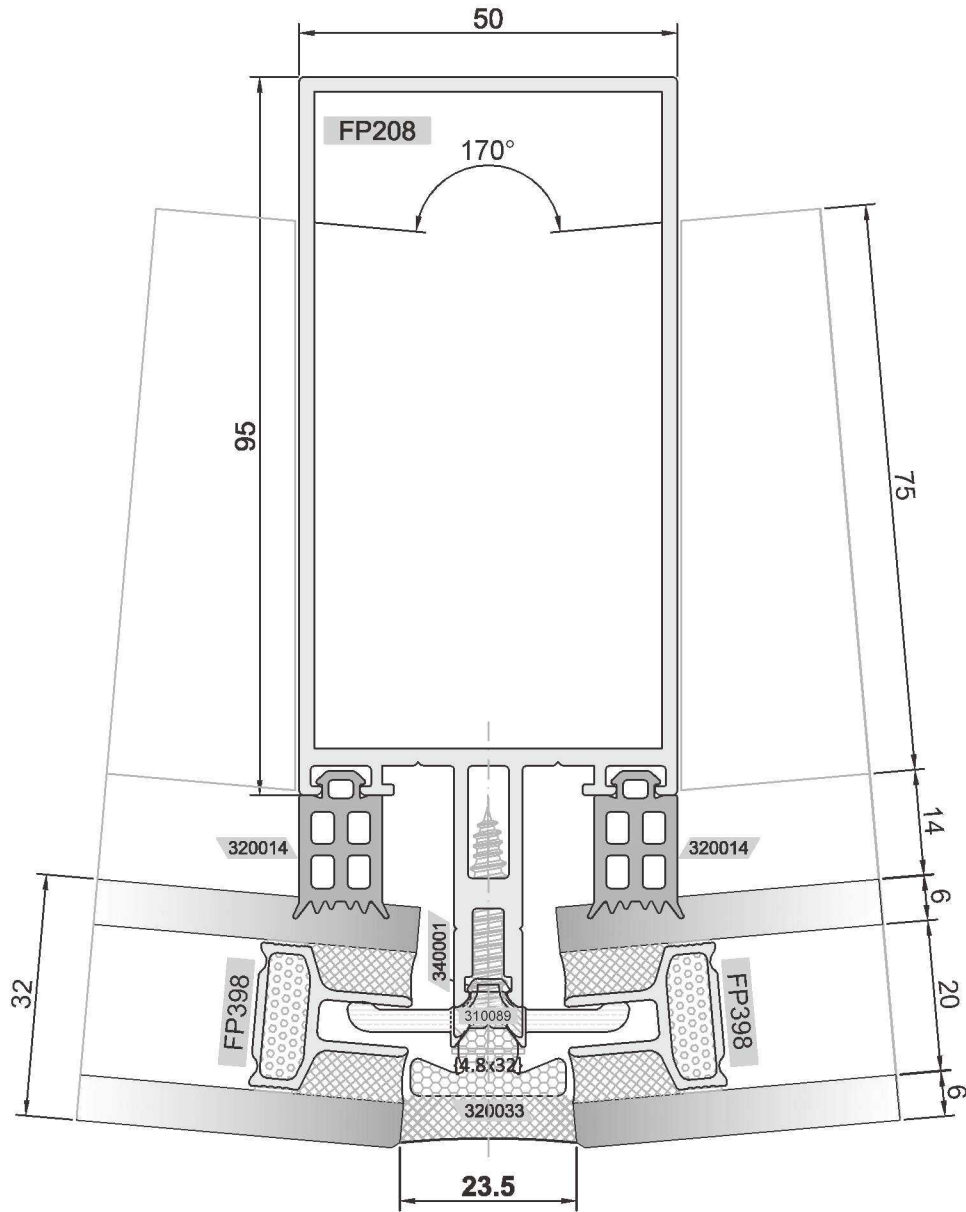
DUVAR BİTİŞ DETAYI

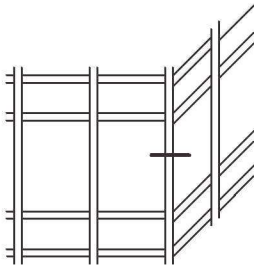
WALL JOINT DETAIL





0° - 10°

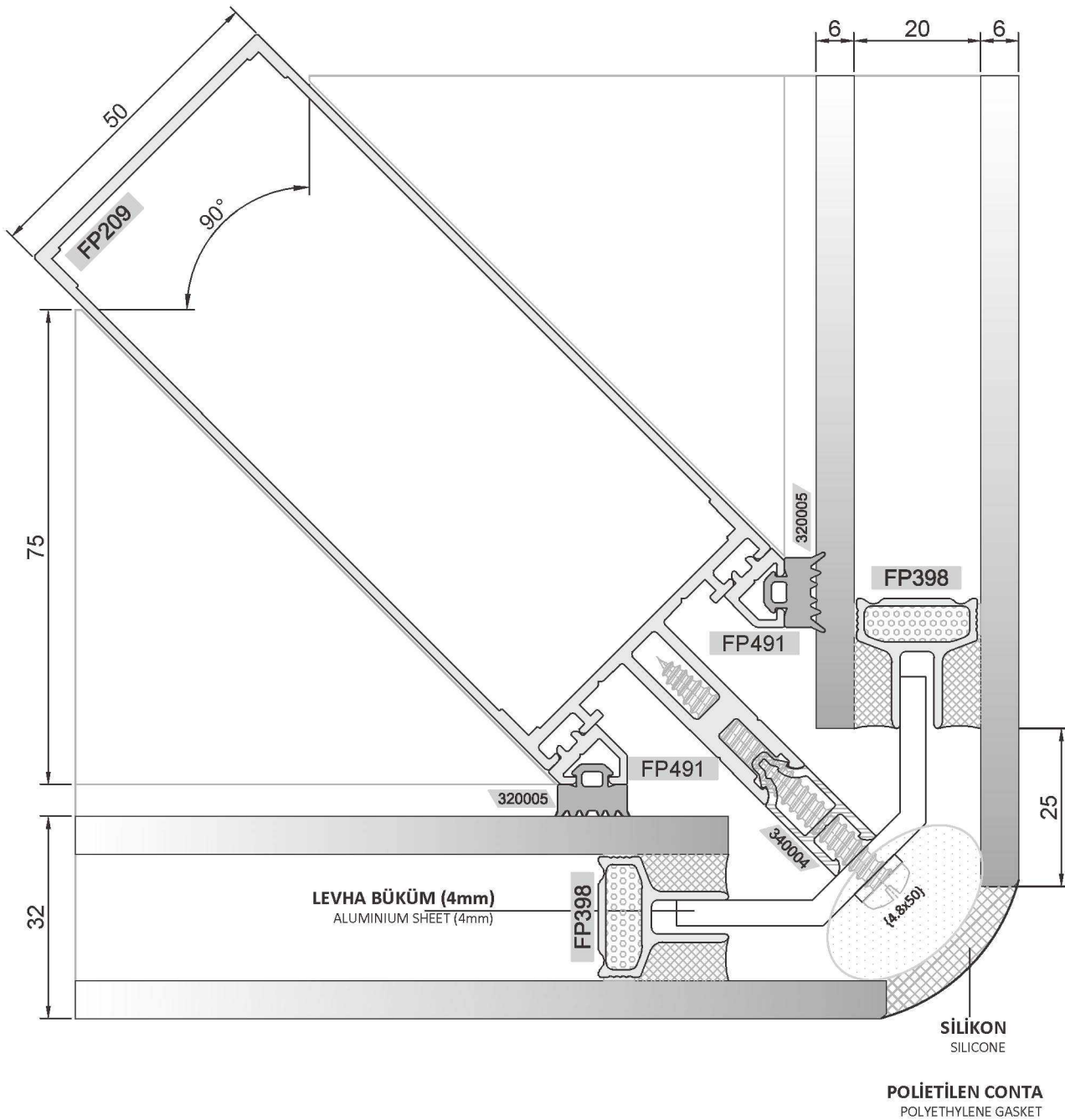


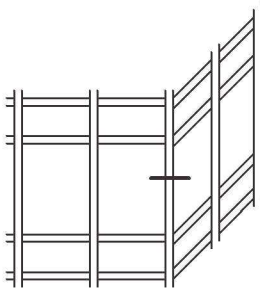


90°

ALTERNATİF 1: TEK DİKMELİ KÖŞE DETAYI

ALTERNATIVE 1 : CORNER DETAIL WITH SINGLE MULLION

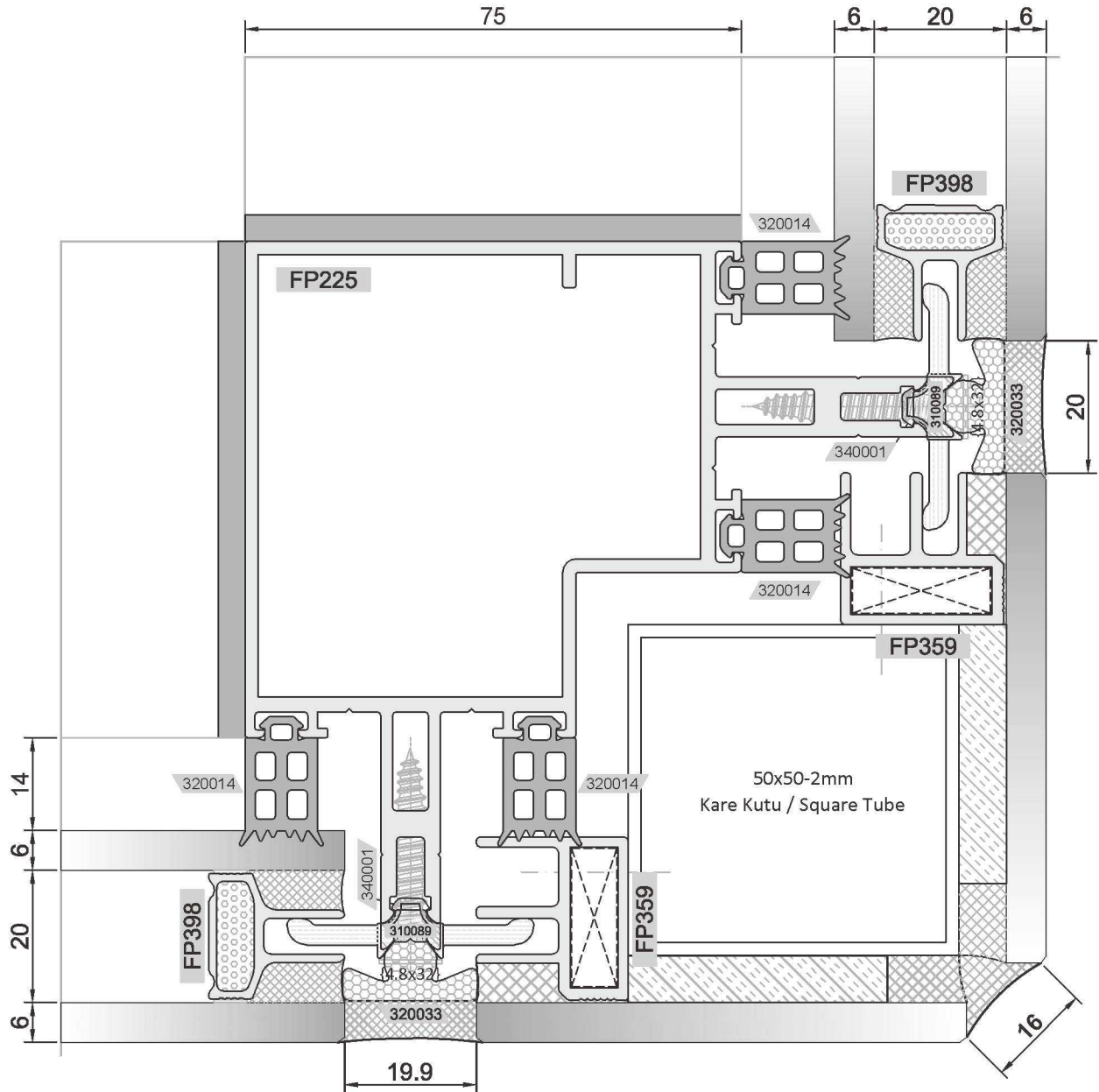


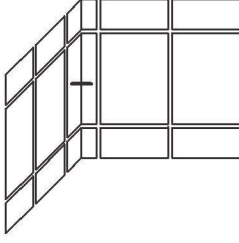


90°

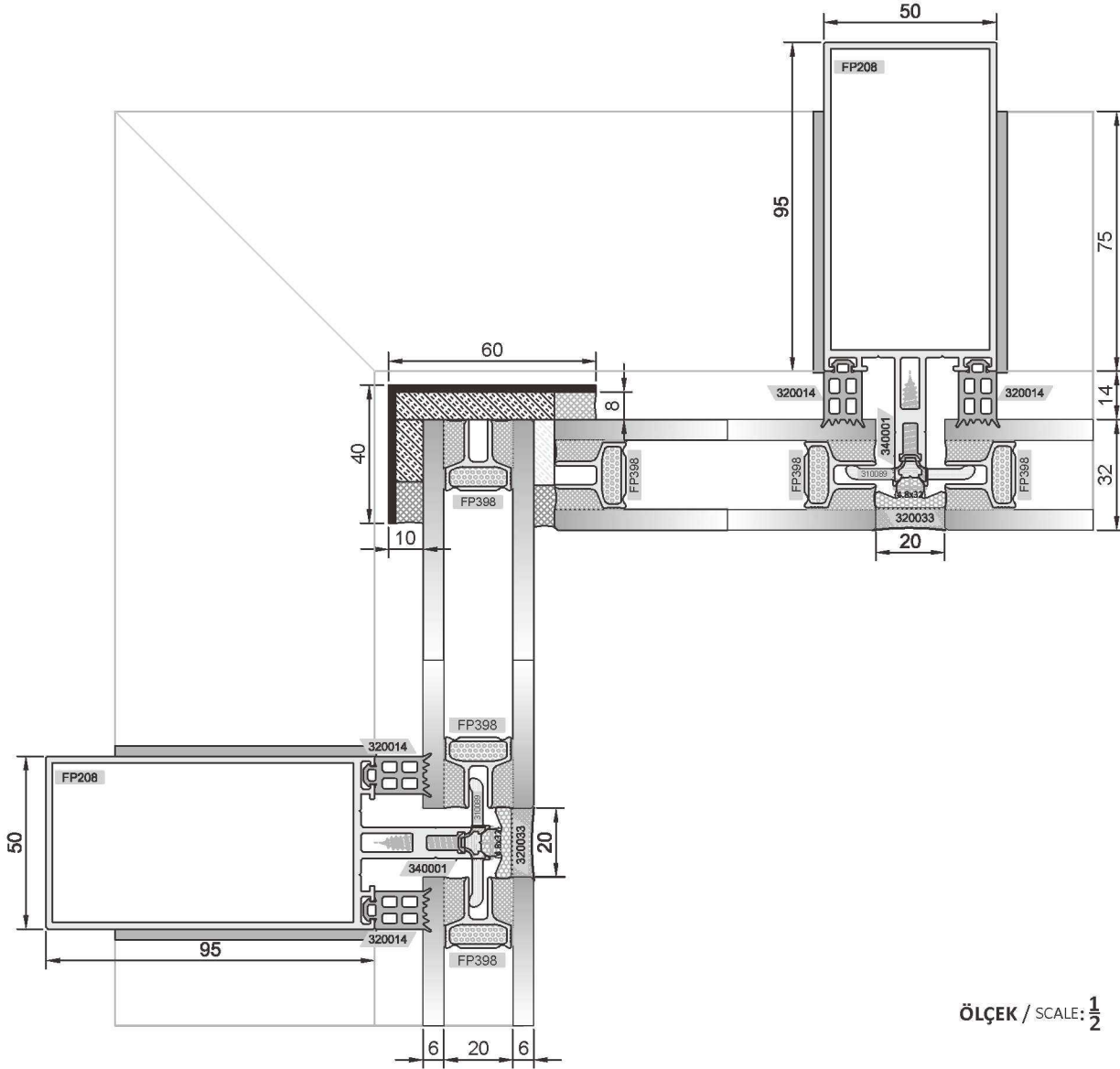
ALTERNATİF 2: ÇİFT DİKMELİ KÖŞE DETAYI

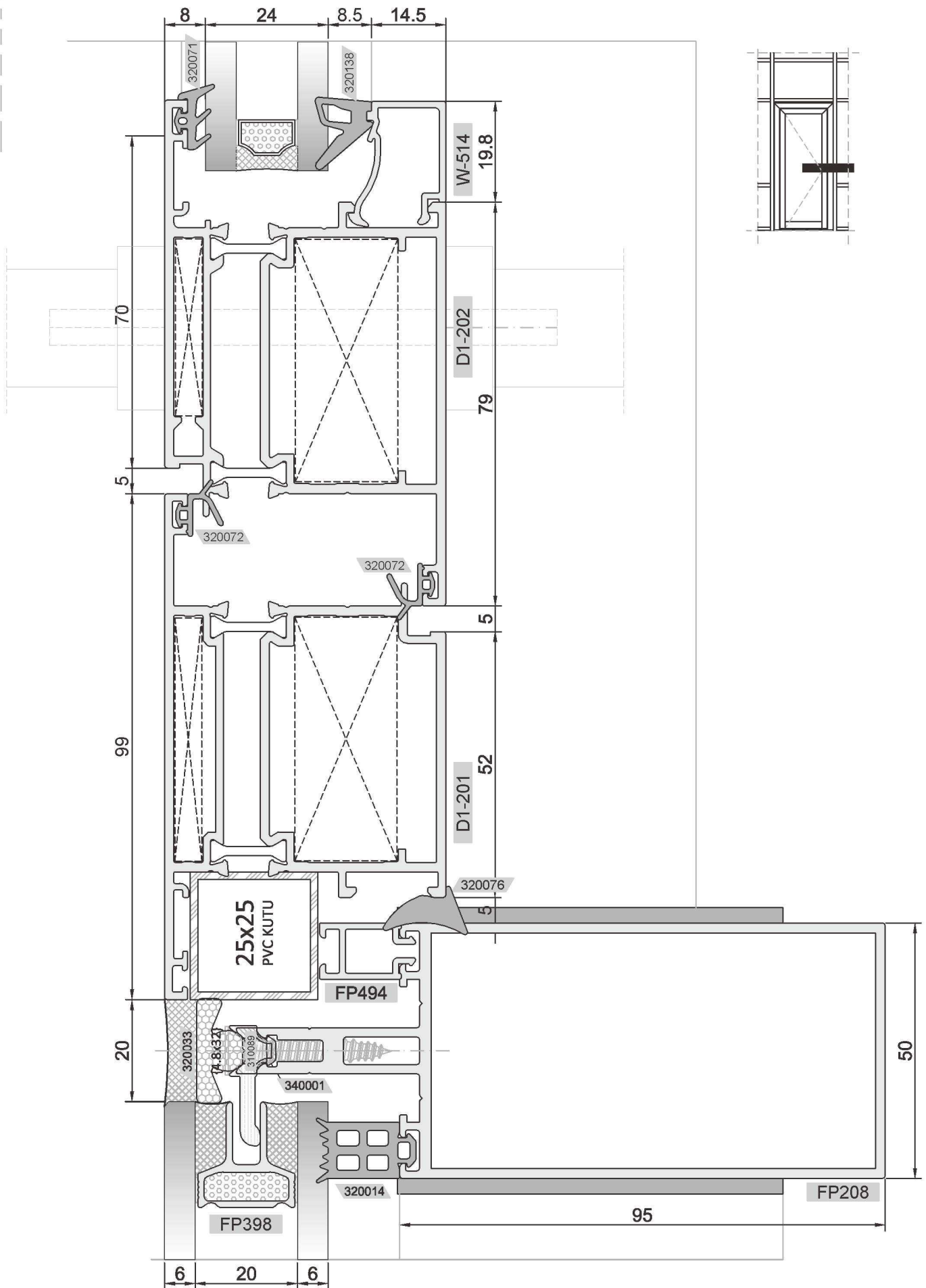
ALTERNATIVE 2 : CORNER DETAIL WITH DOUBLE MULLION

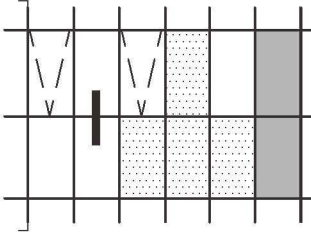




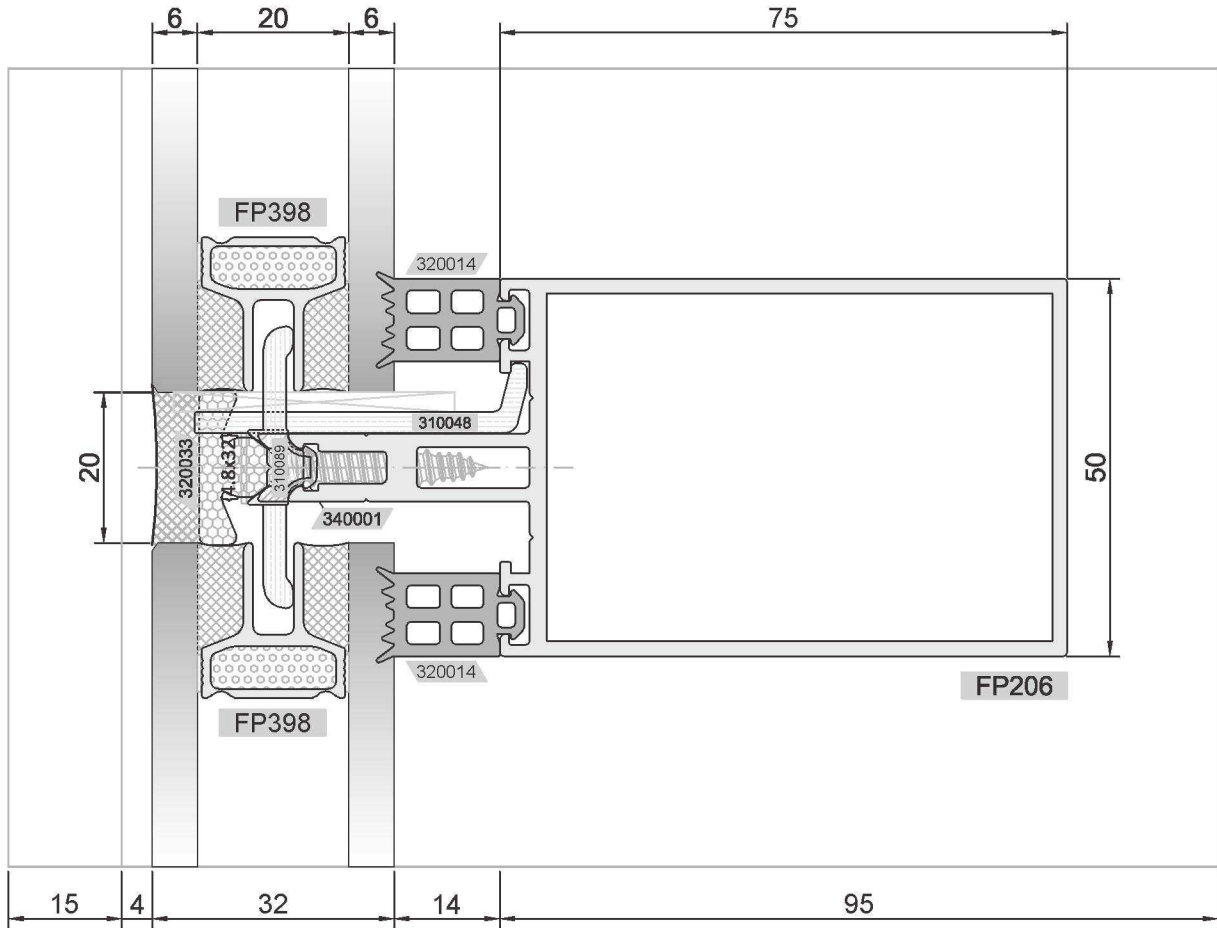
90° İÇ AÇILI CAM CEPHE DÜŞEY KESİT DETAYI
FOUR SIDE WITH 90° INTERNAL ANGLE VERTICAL DETAIL

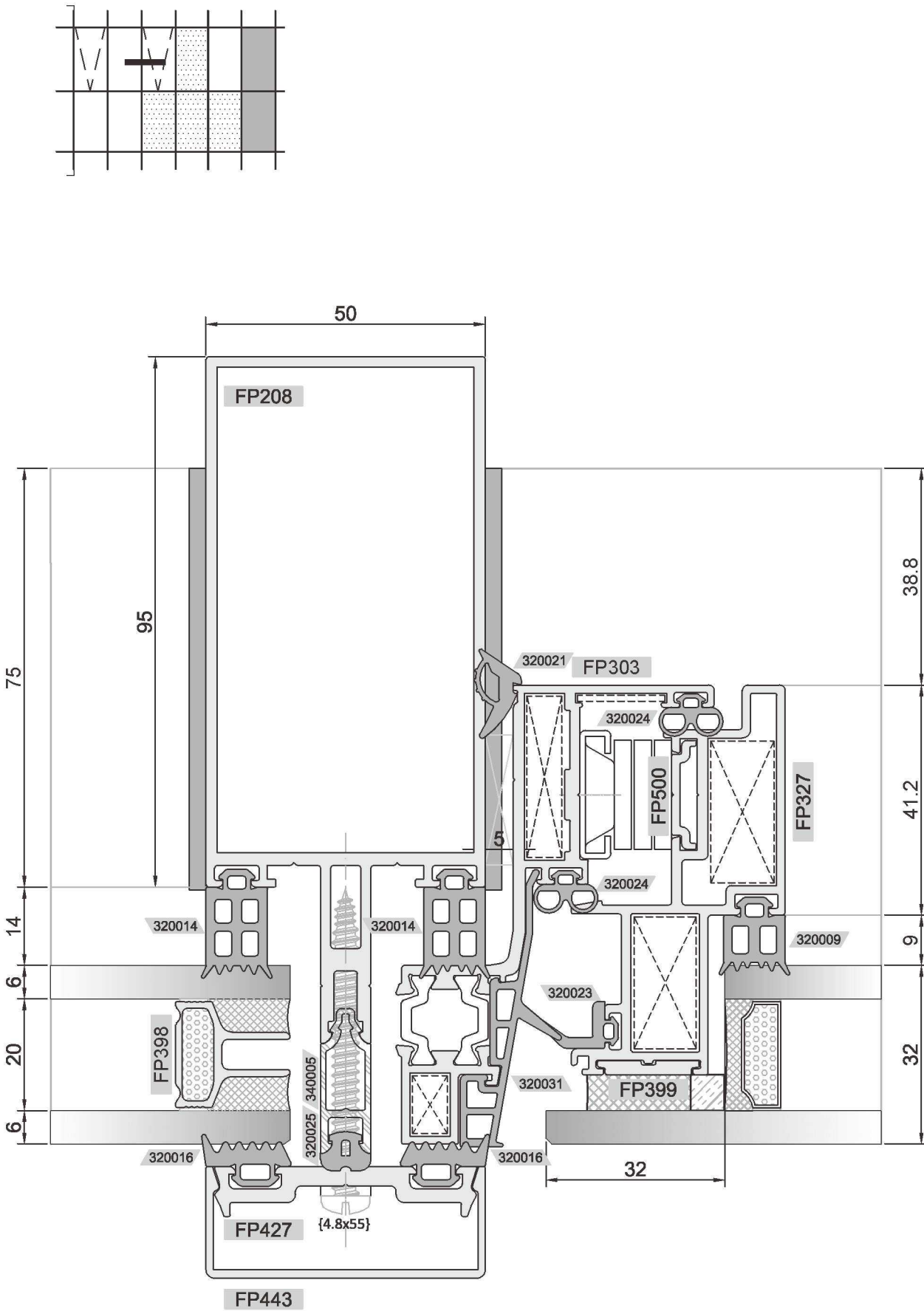


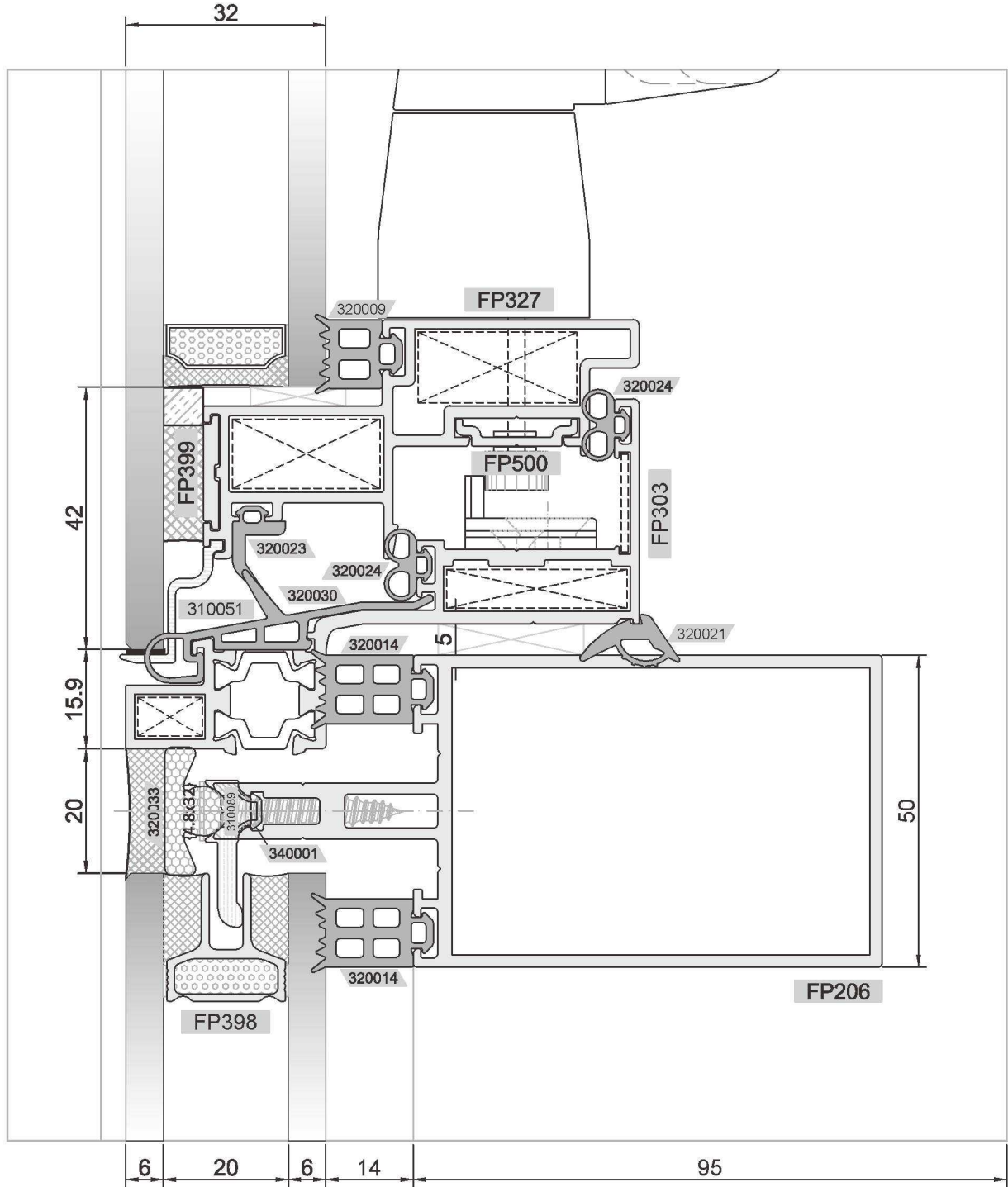
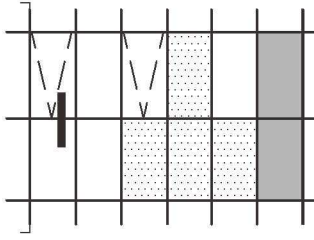




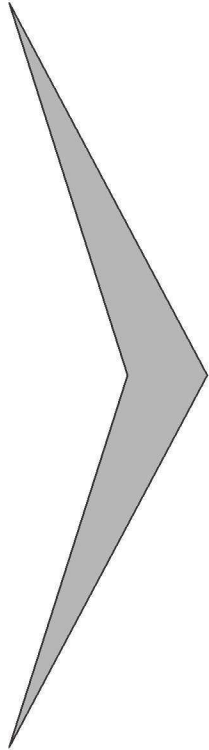
YATAY DETAYI
HORIZONTAL DETAIL



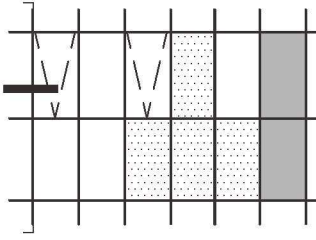




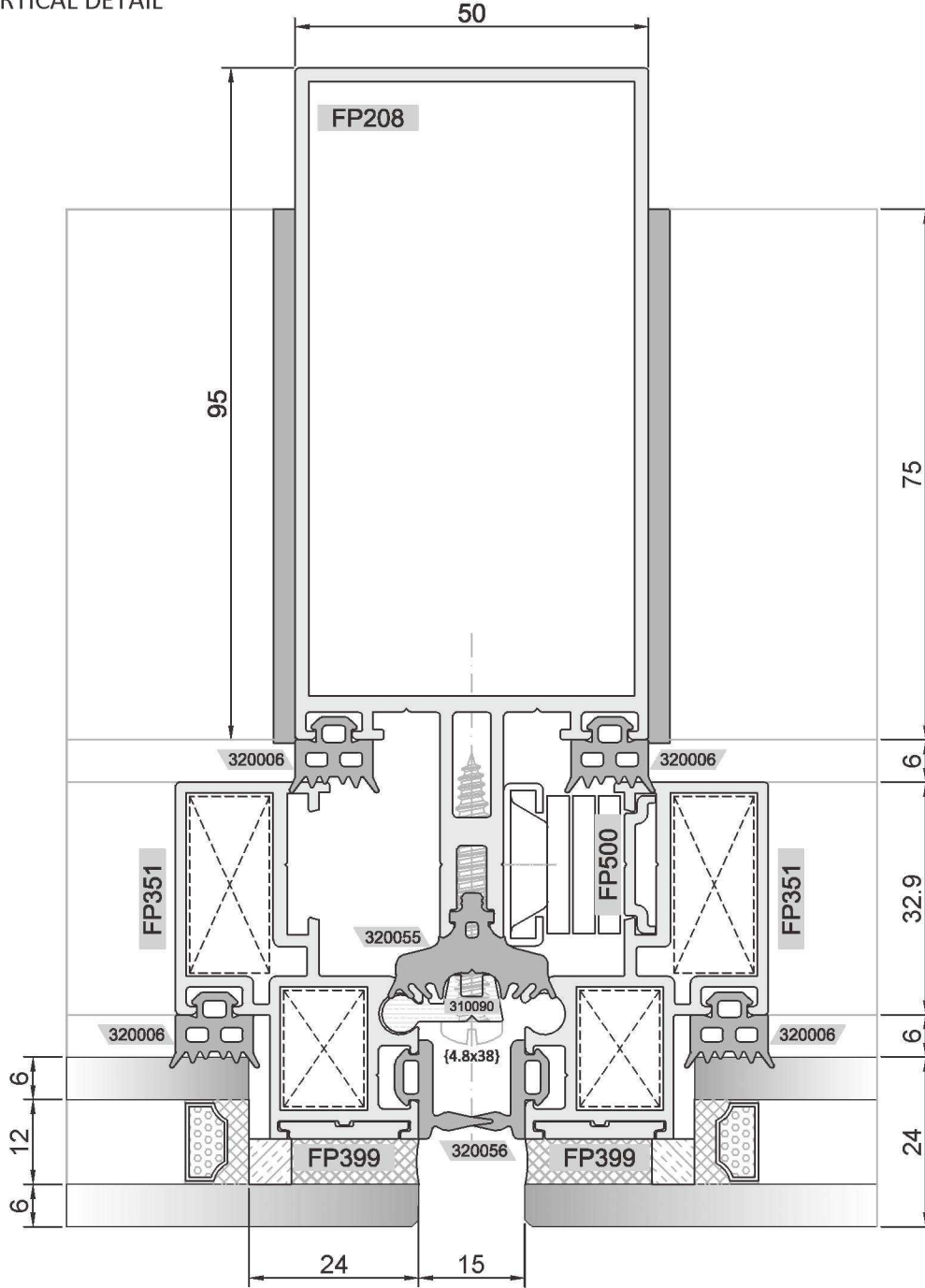
KASETLİ SİLİKON CEPHE SILICONE CURTAIN WALL WITH STRUCTURAL CELLS

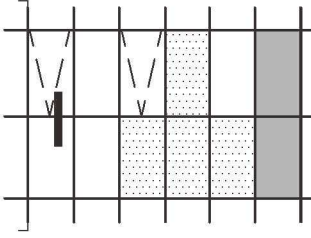


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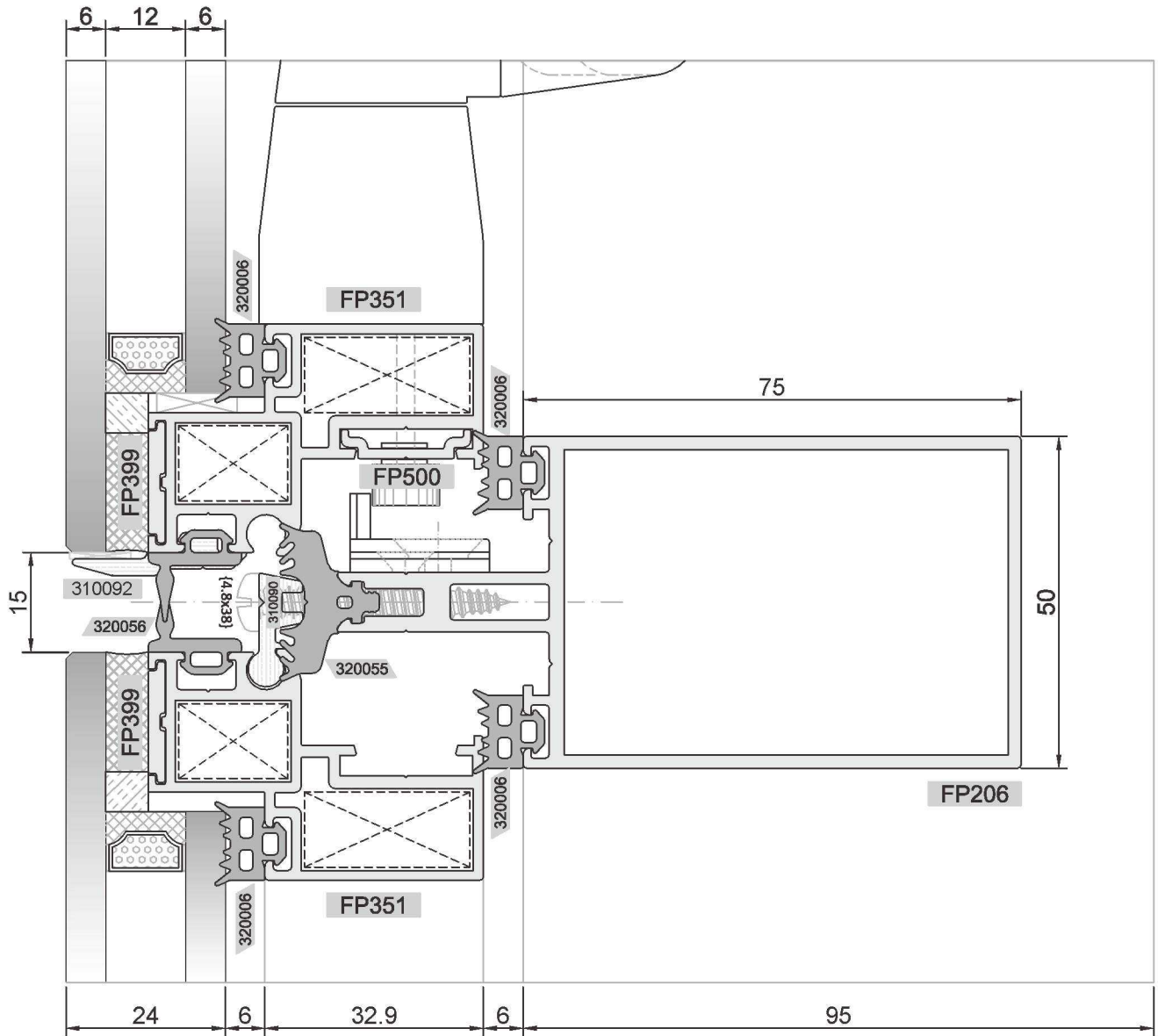


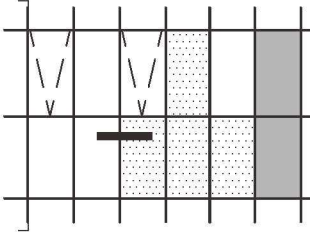
DÜŞEY DETAYI
VERTICAL DETAIL



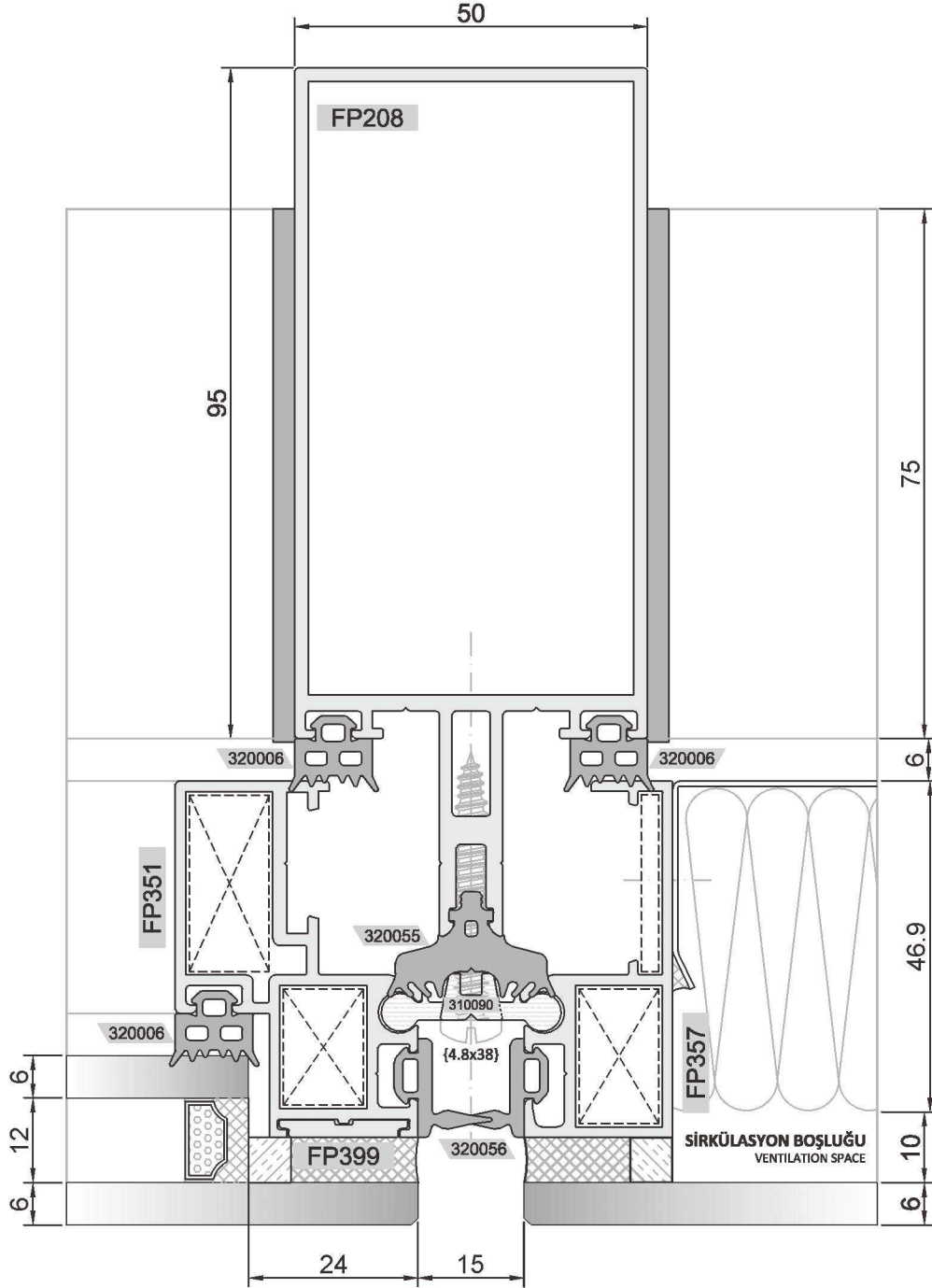


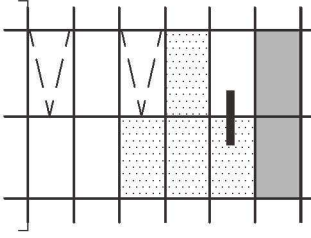
YATAY DETAYI
HORIZONTAL DETAIL



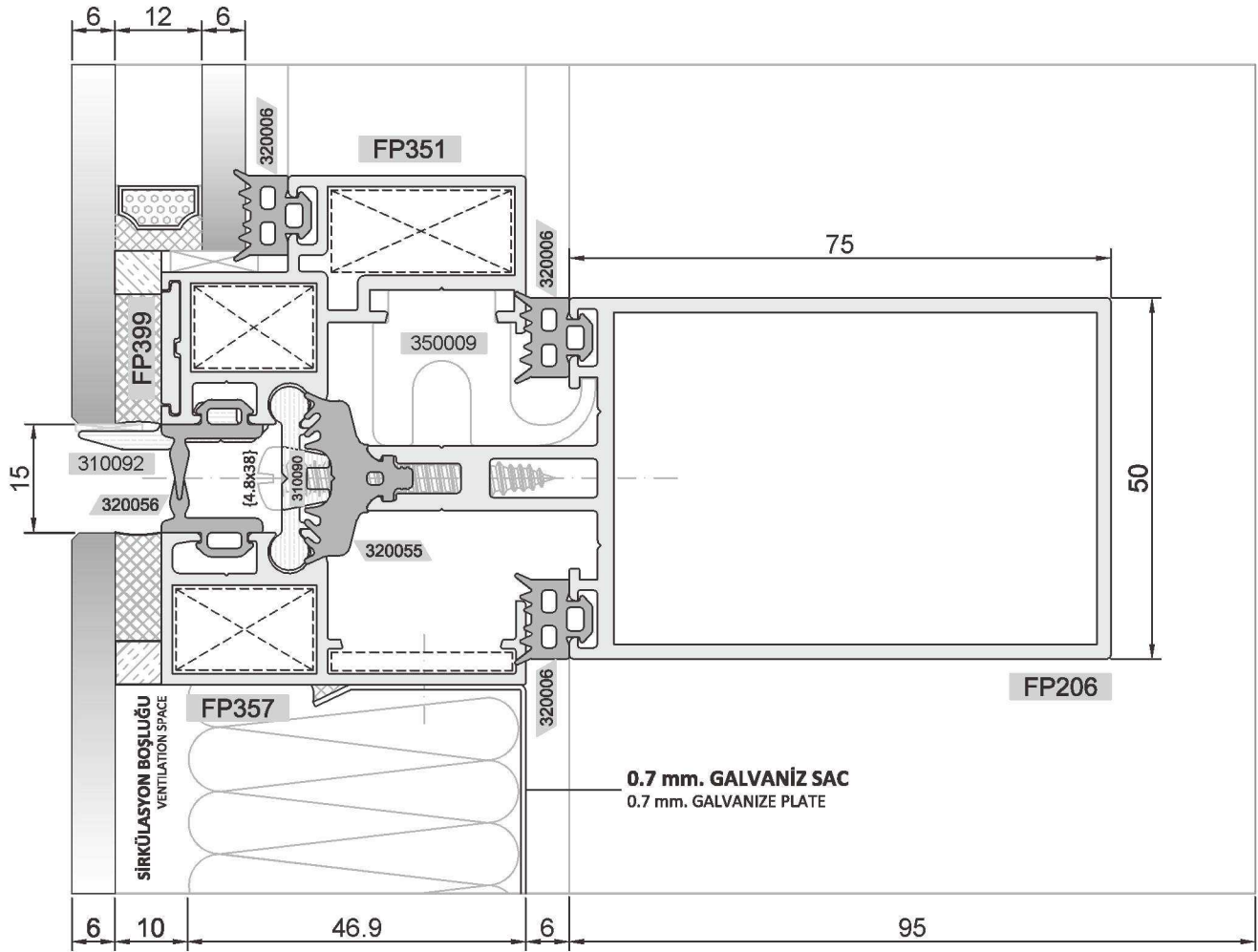


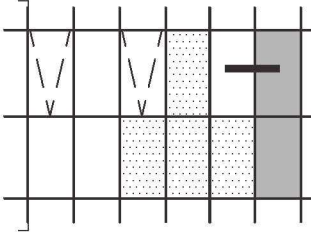
SPANDREL BÖLGE DÜŞEY DETAYI SPANDREL AREA VERTICAL DETAIL





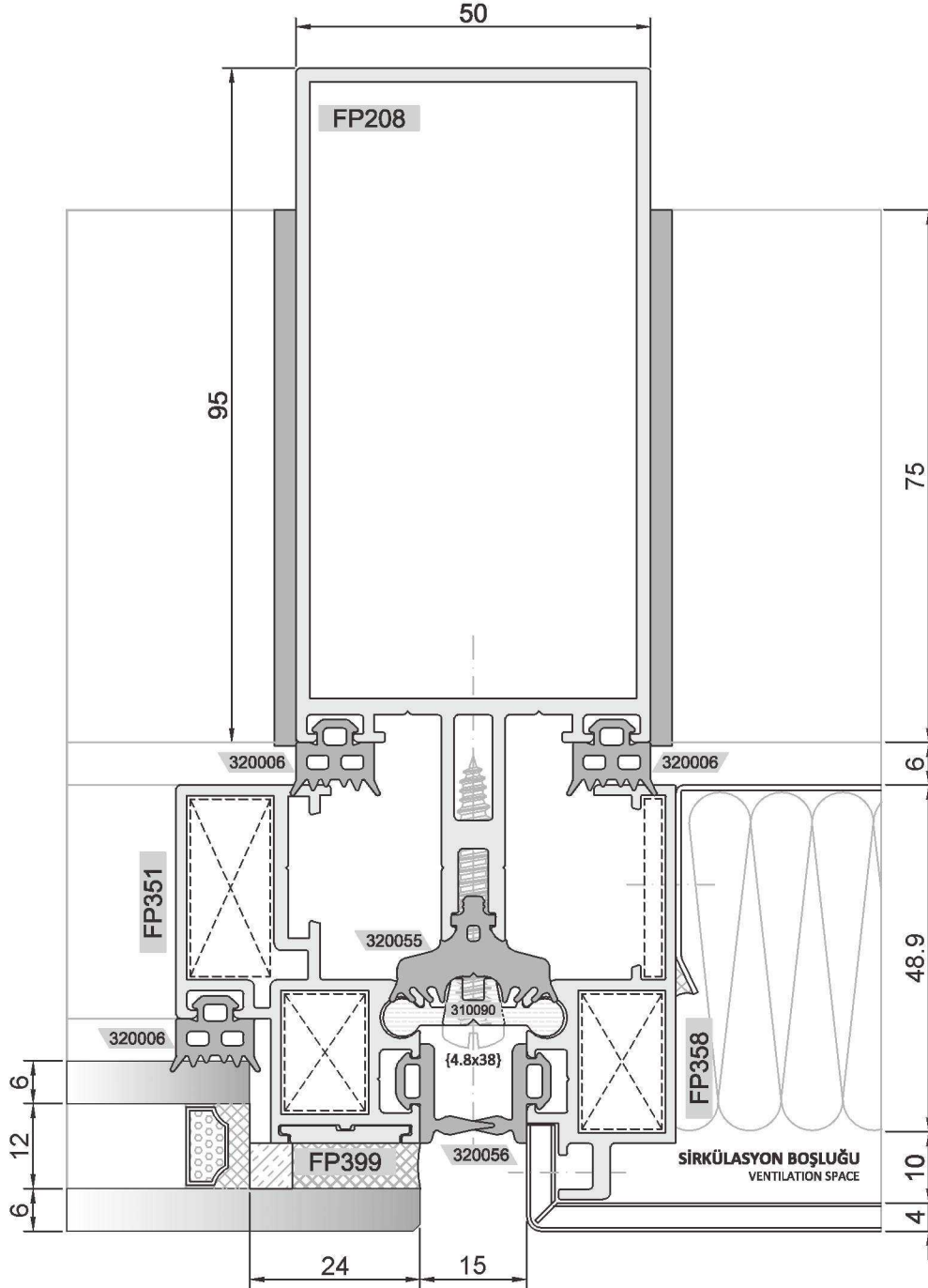
SPANDREL BÖLGE YATAY DETAYI
SPANDREL AREA HORIZONTAL DETAIL

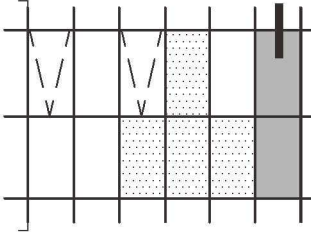




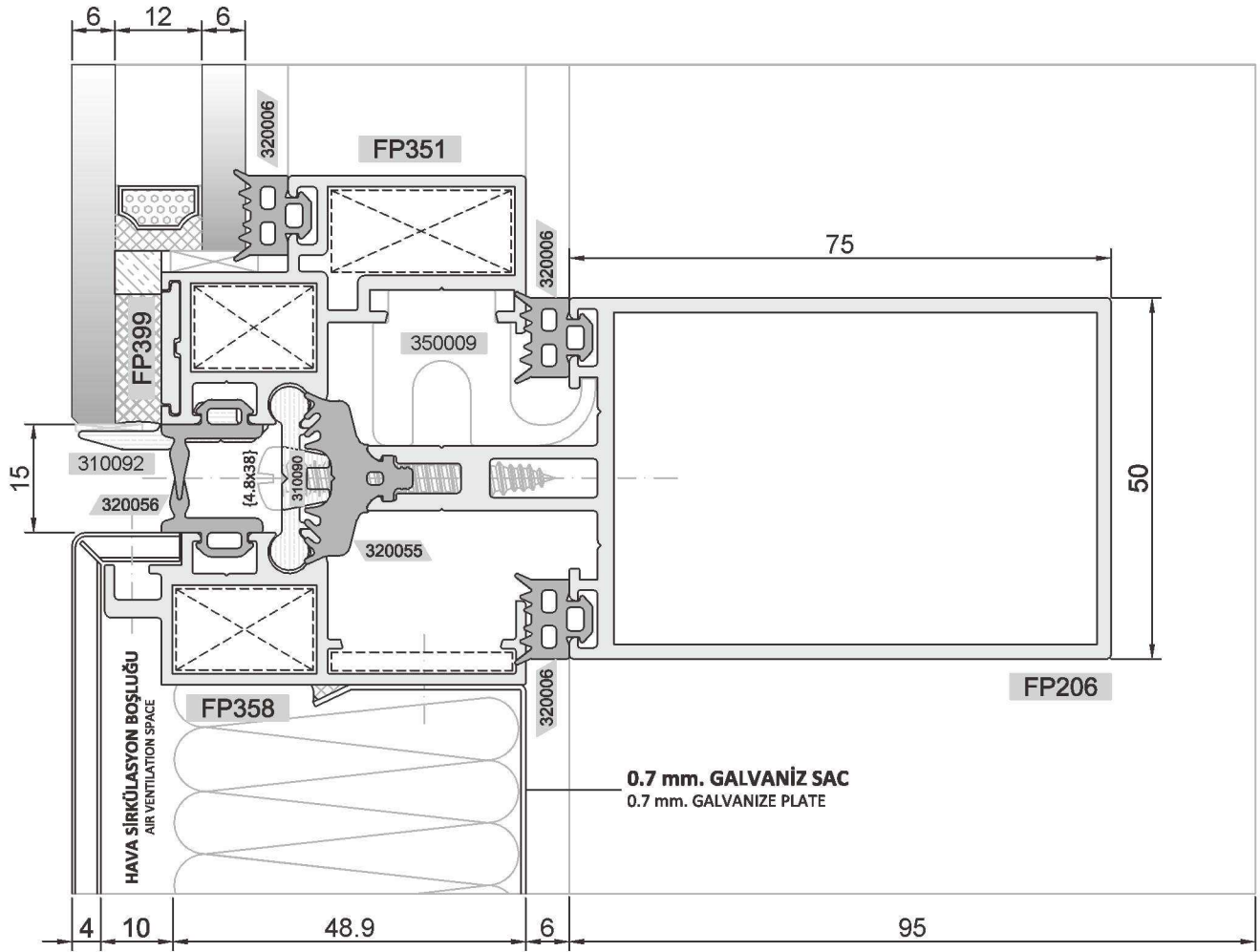
SPANDREL BÖLGE DÜŞEY DETAYI

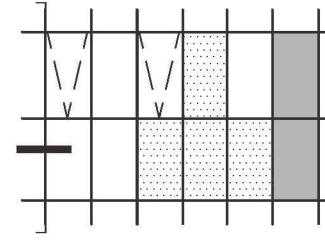
SPANDREL AREA VERTICAL DETAIL



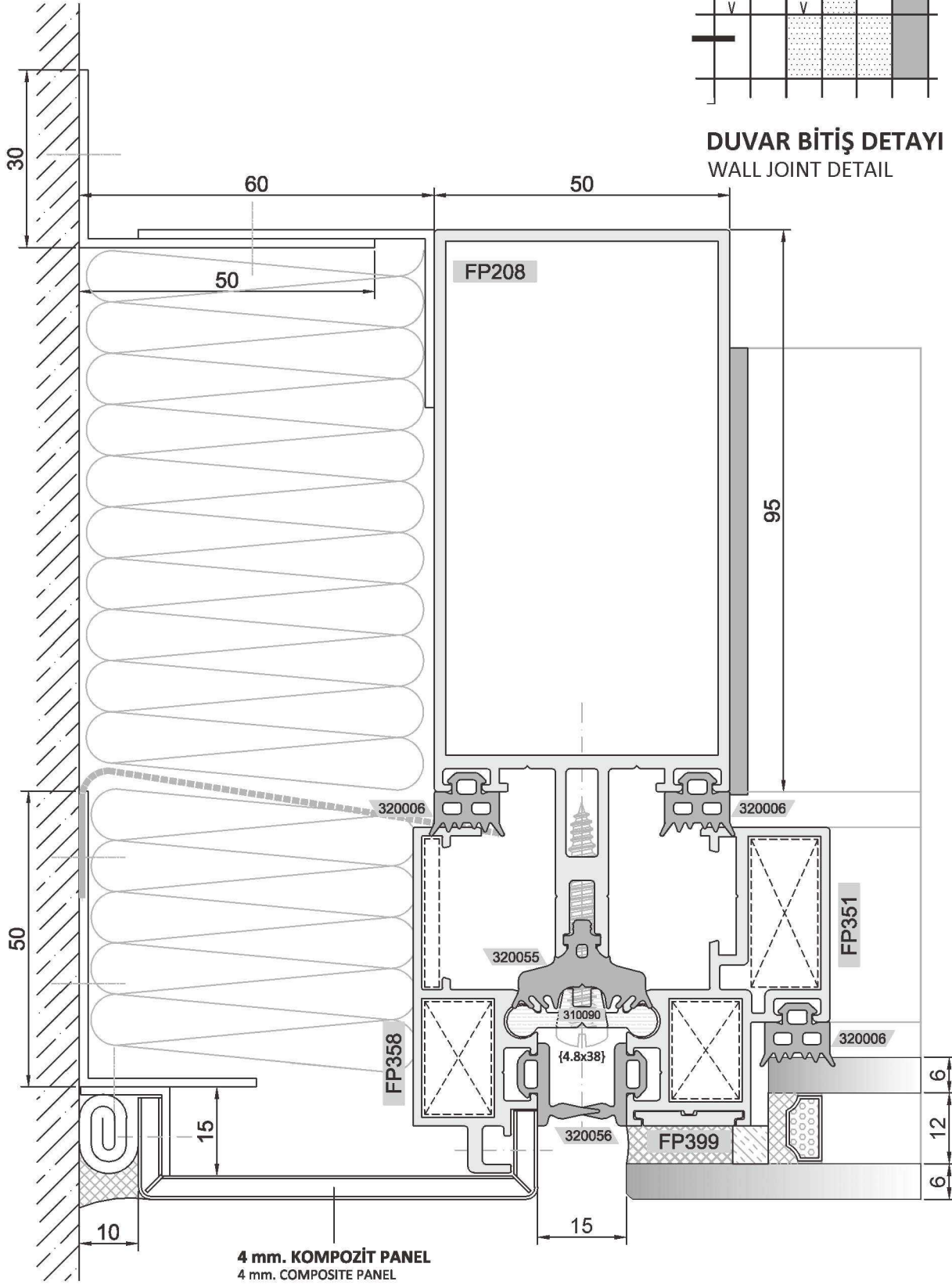


SPANDREL BÖLGE YATAY DETAYI
SPANDREL AREA HORIZONTAL DETAIL

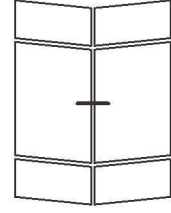




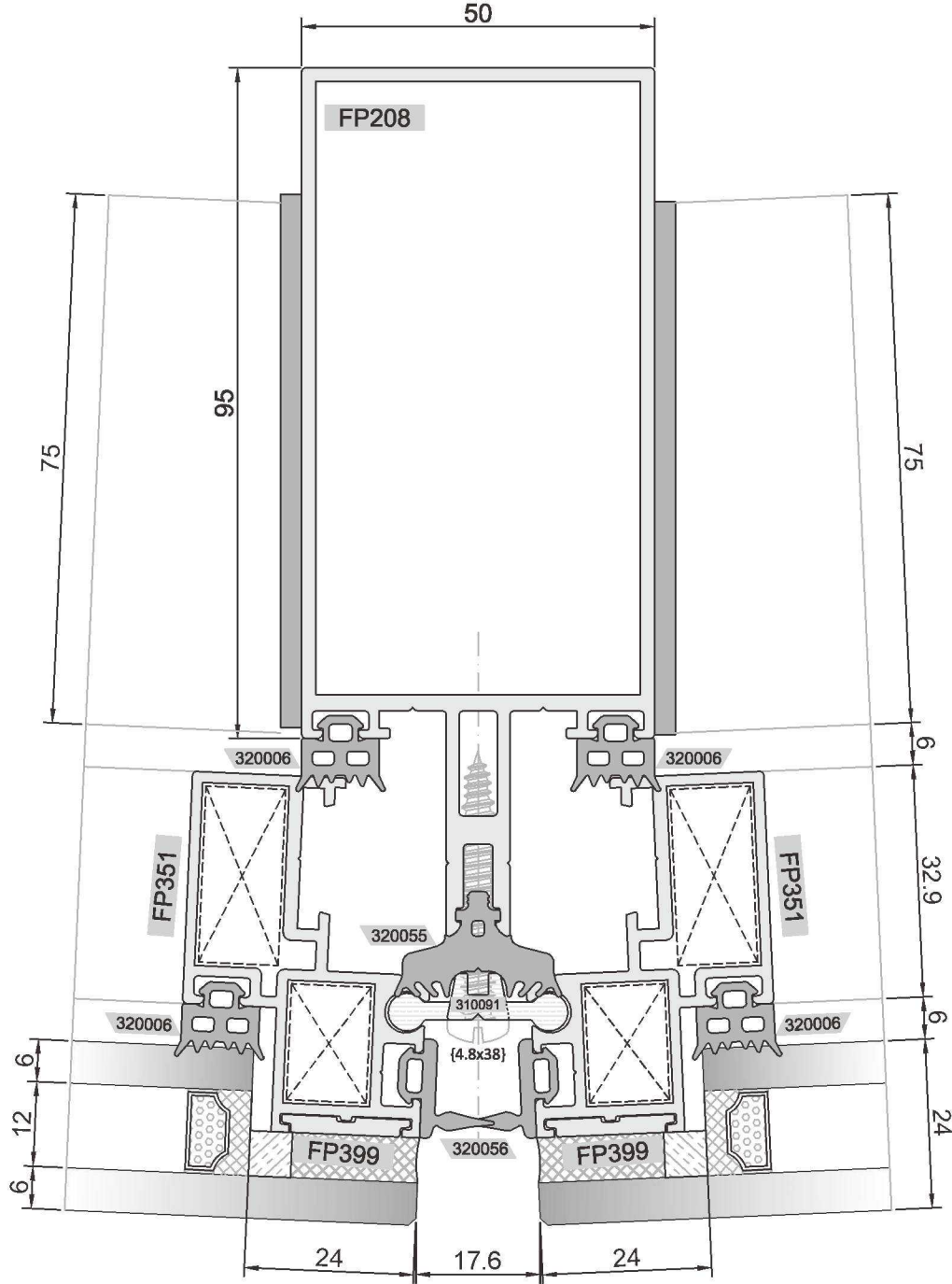
DUVAR BİTİŞ DETAYI
WALL JOINT DETAIL



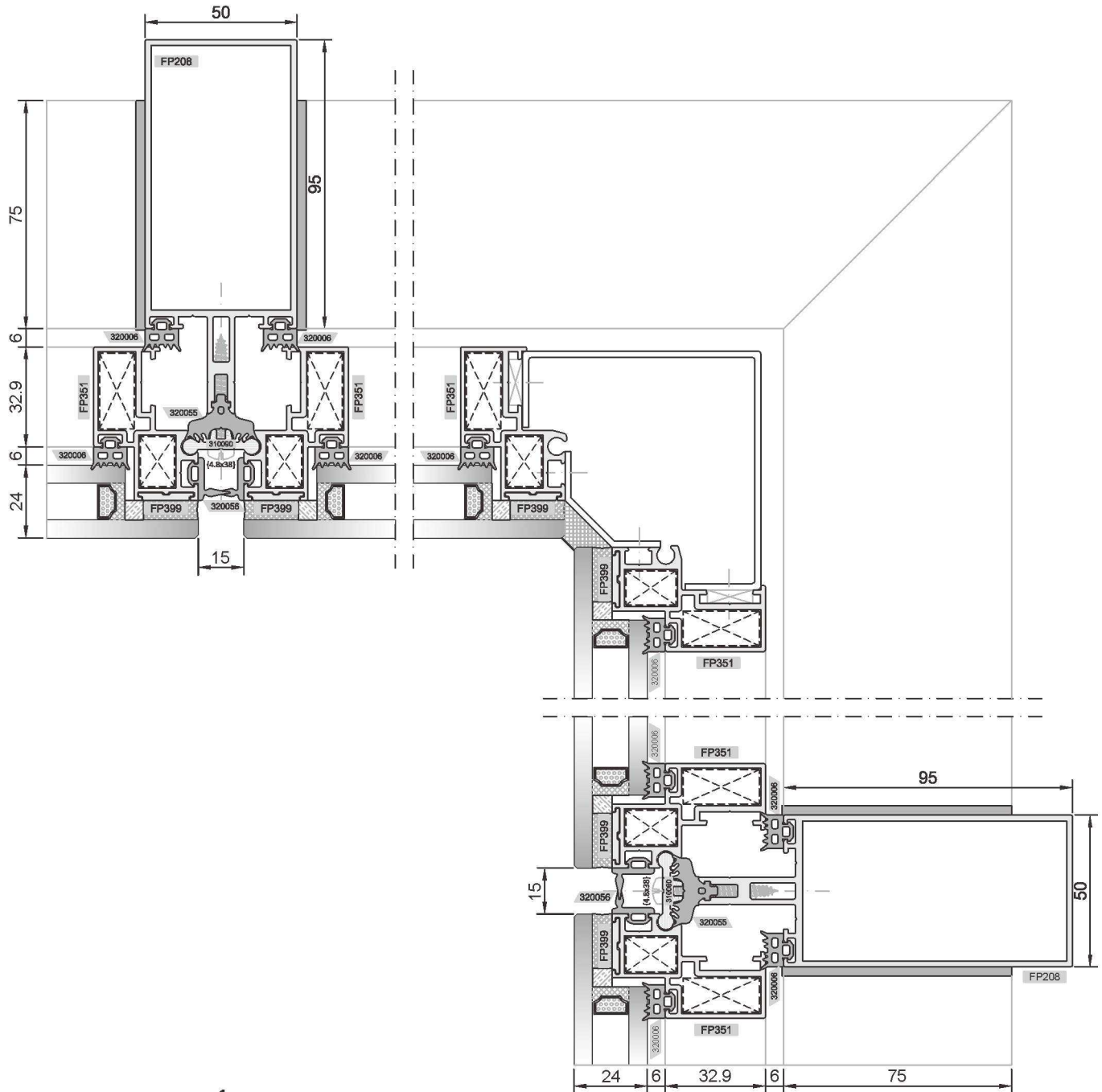
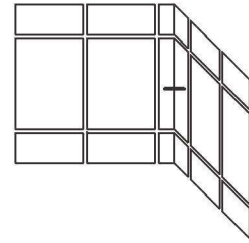
5° DIŞ AÇILI KASETLİ SİLİKON CEPHE DÜŞEY KESİT DETAYI
STRUCTURAL CELLS WITH 5° EXTERNAL ANGLE VERTICAL DETAIL

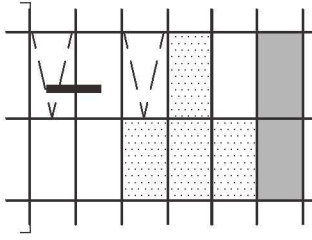


0 - 5°



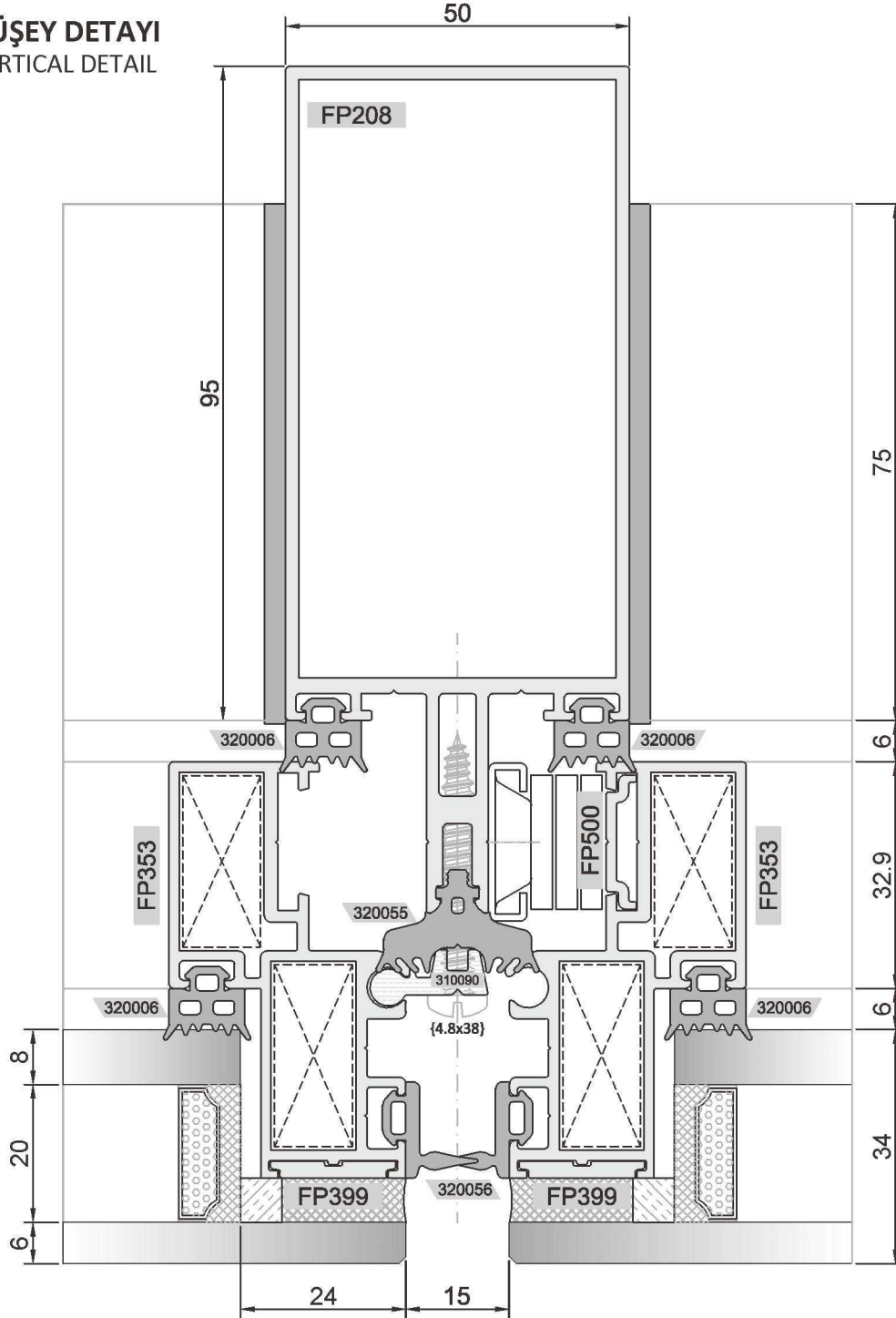
90° İÇ AÇILI KASETLİ SİLİKON CEPHE DÜŞEY KESİT DETAYI
STRUCTURAL CELLS WITH 90° INTERNAL ANGLE VERTICAL DETAIL

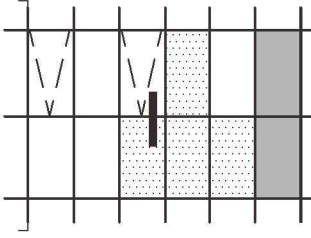
ÖLÇEK / SCALE: $\frac{1}{2}$



ALTERNATİF 1: YÜKSEK KAPASİTELİ KASET
 ALTERNATIVE 1 : HIGH CAPACITY STRUCTURAL CELL

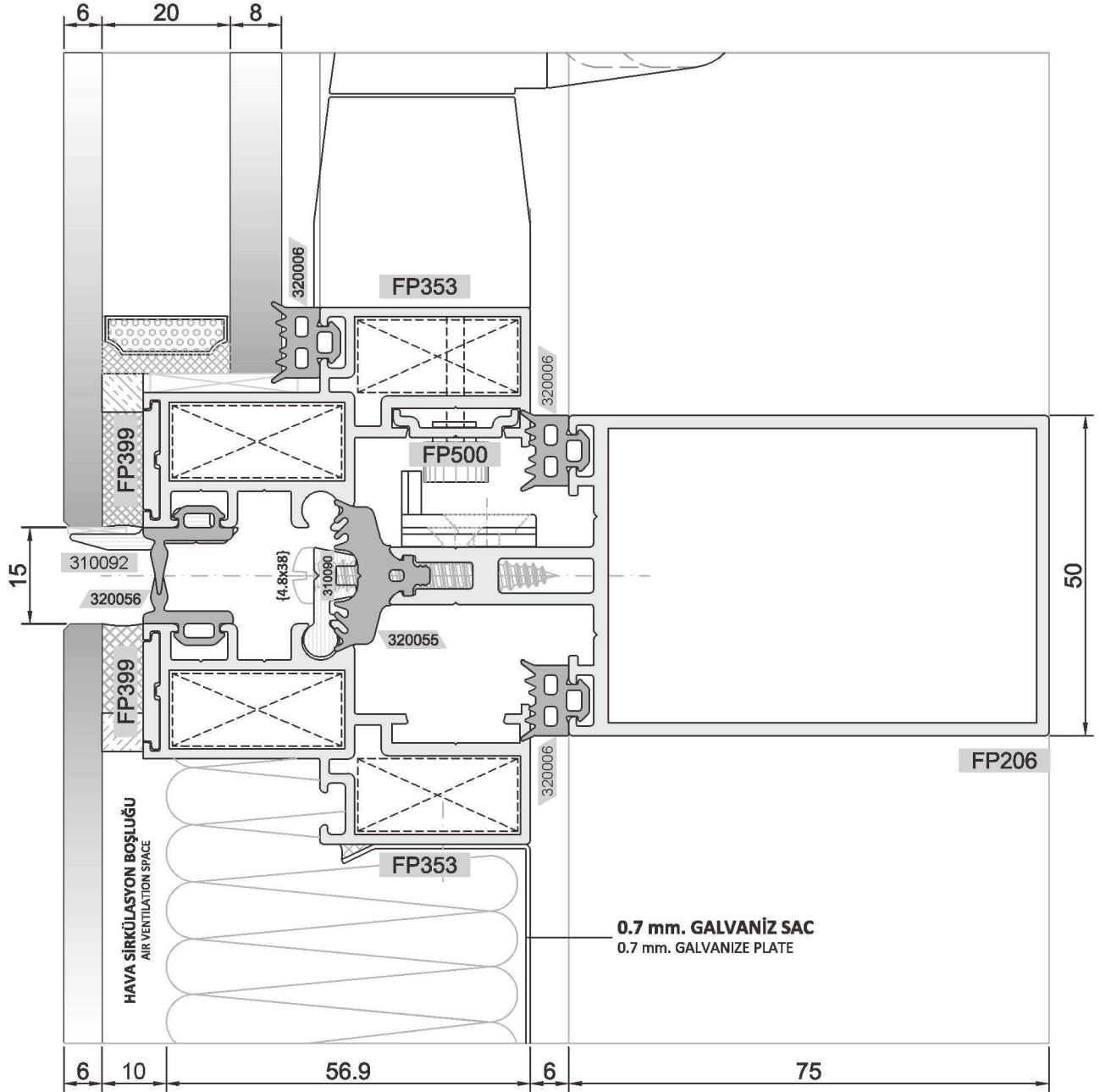
DÜŞEY DETAYI
 VERTICAL DETAIL

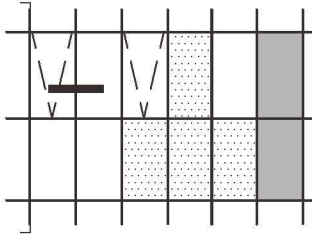




ALTERNATİF 1: YÜKSEK KAPASİTELİ KASET
ALTERNATIVE 1 : HIGH CAPACITY STRUCTURAL CELL

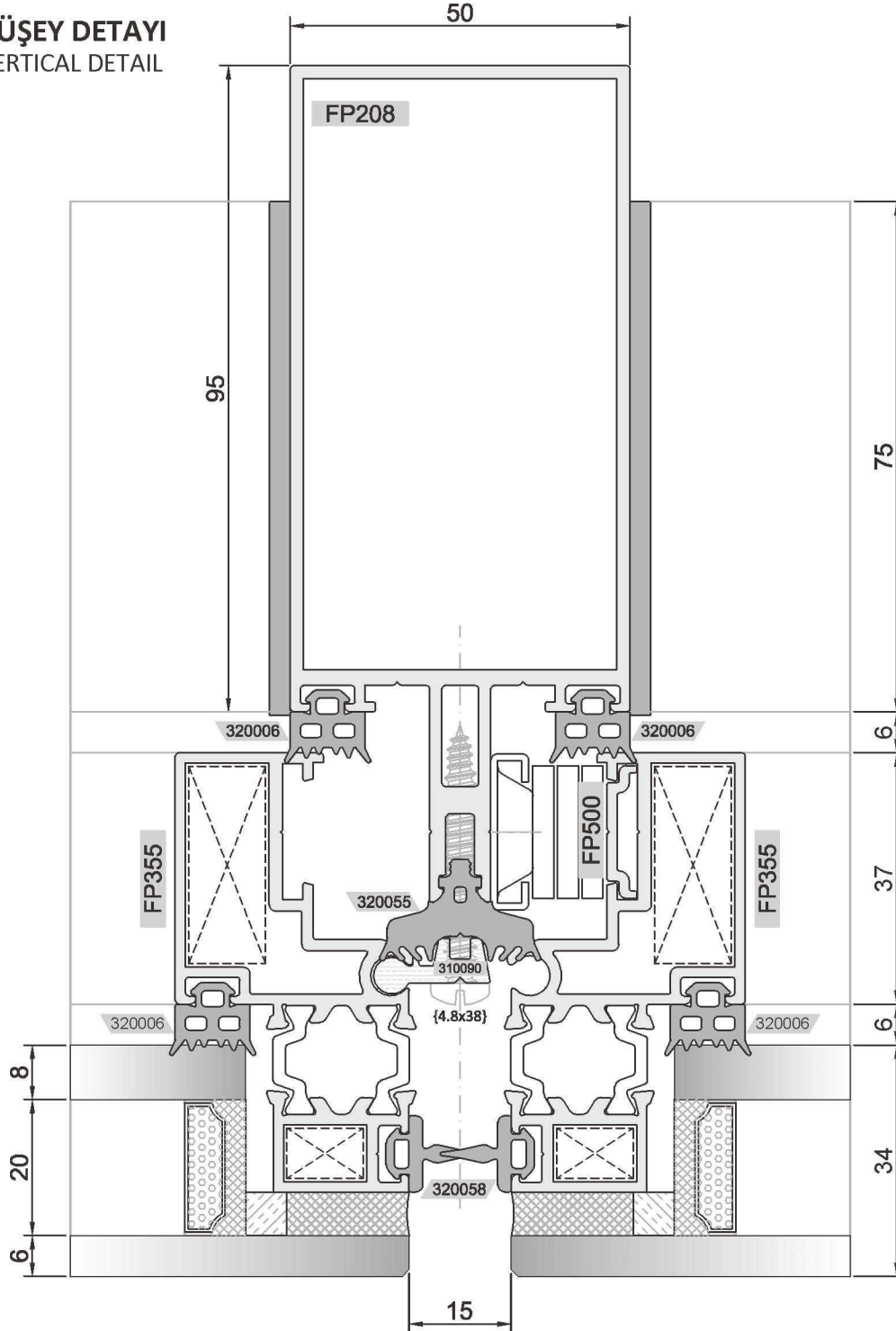
YATAY DETAYI
HORIZONTAL DETAIL

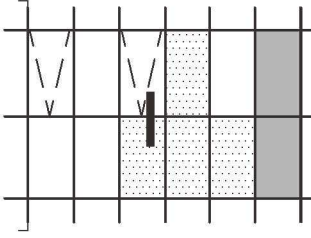




ALTERNATİF 2: YÜKSEK KAPASİTELİ YALITIMLI KASET
 ALTERNATIVE 2 : HIGH CAPACITY INSULATED STRUCTURAL CELL

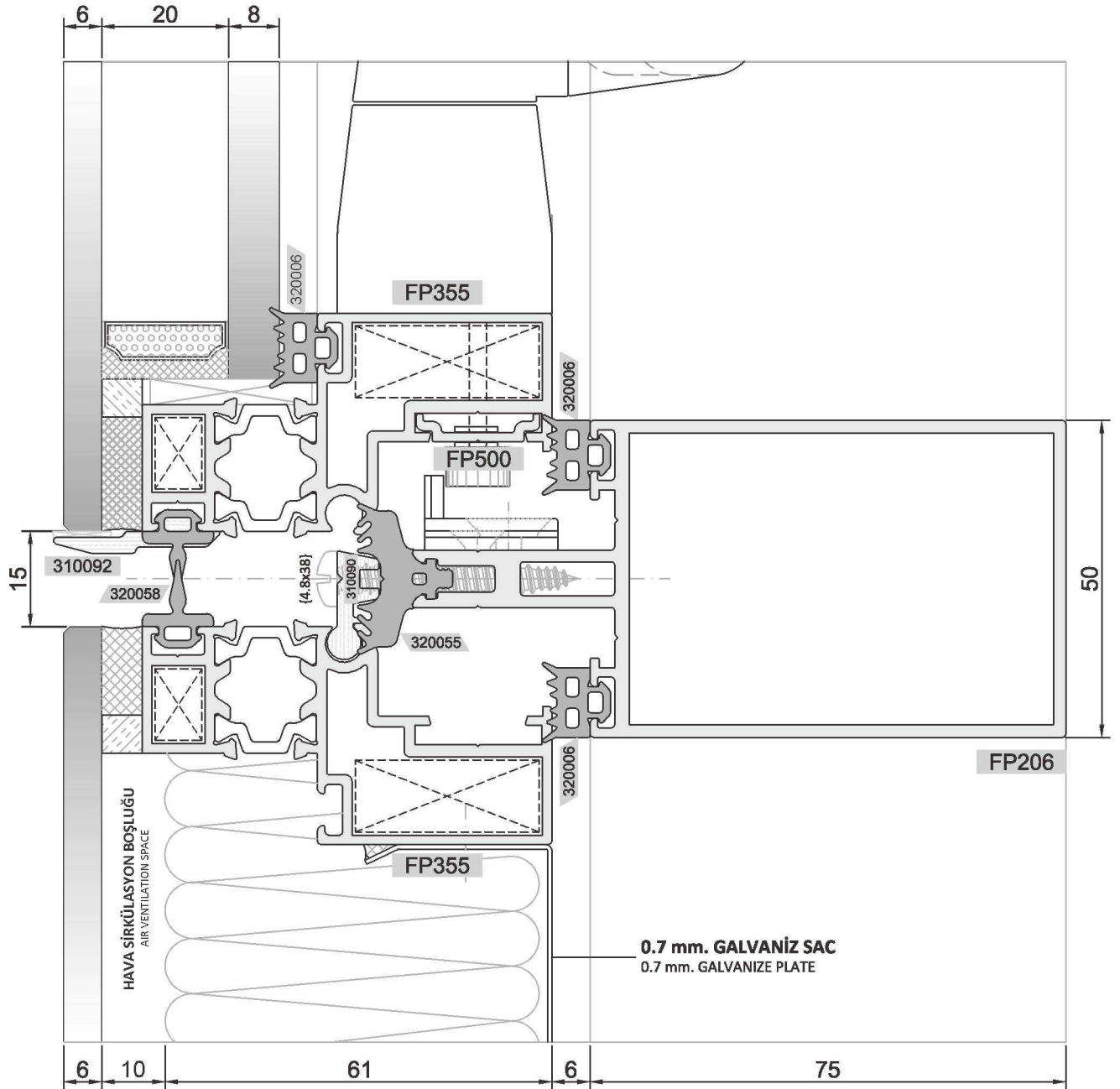
DÜŞEY DETAYI
 VERTICAL DETAIL





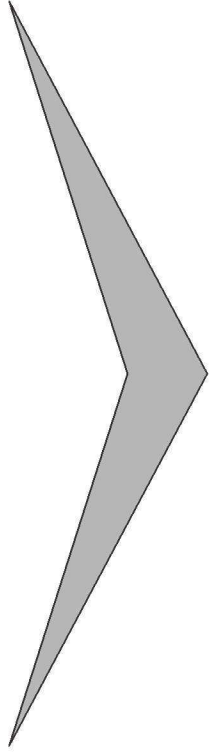
ALTERNATİF 2: YÜKSEK KAPASİTELİ YALITIMLI KASET
ALTERNATIVE 2 : HIGH CAPACITY INSULATED STRUCTURAL CELL

YATAY DETAYI
HORIZONTAL DETAIL



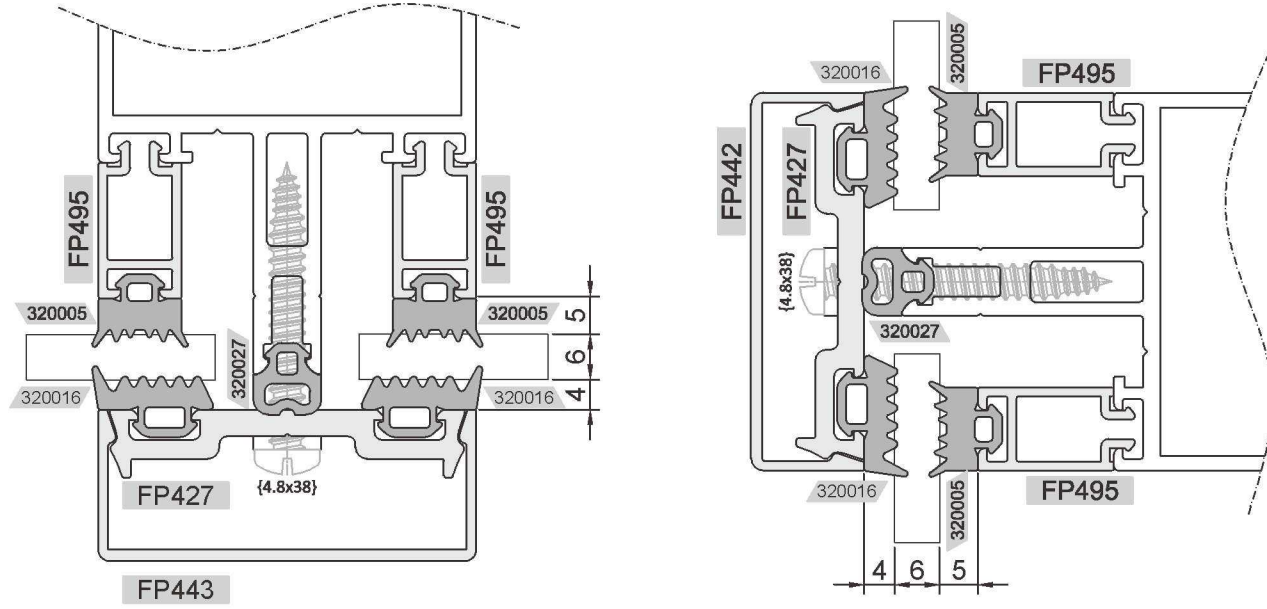
CAM KALINLIKLARINA GÖRE KAPAKLI SİSTEM DETAYLARI

CAPPED CURTAIN WALL DETAILS ACCORDING TO THE GLASS THICKNESSES

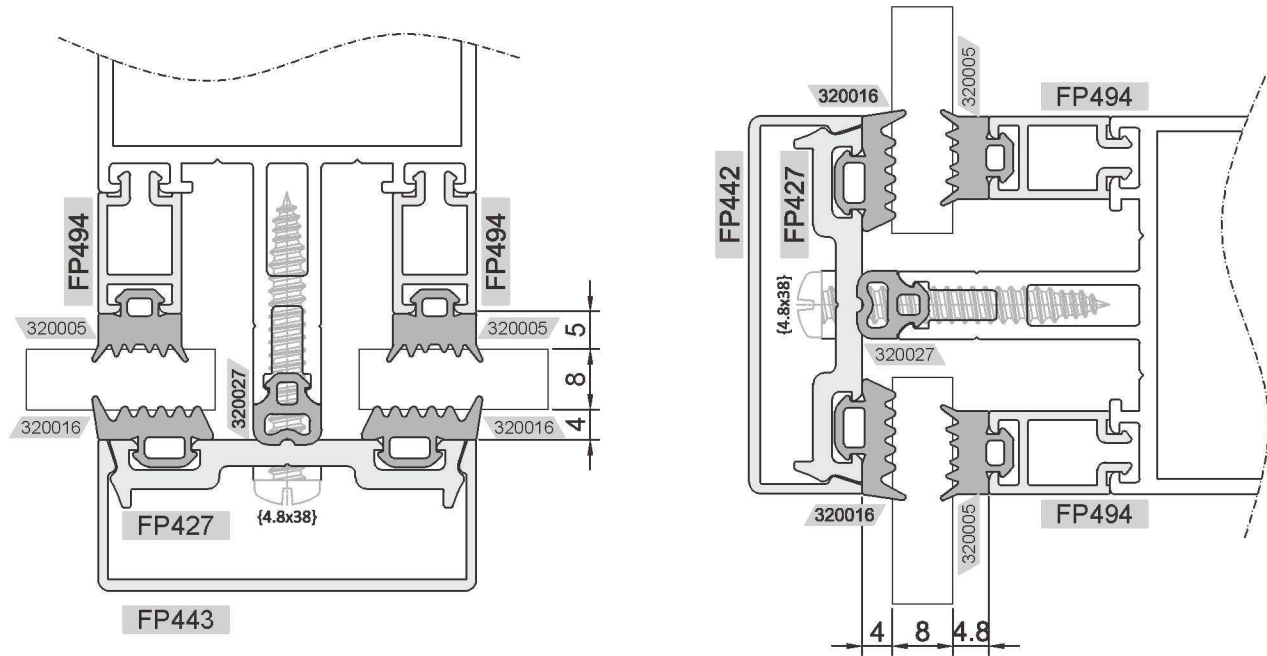


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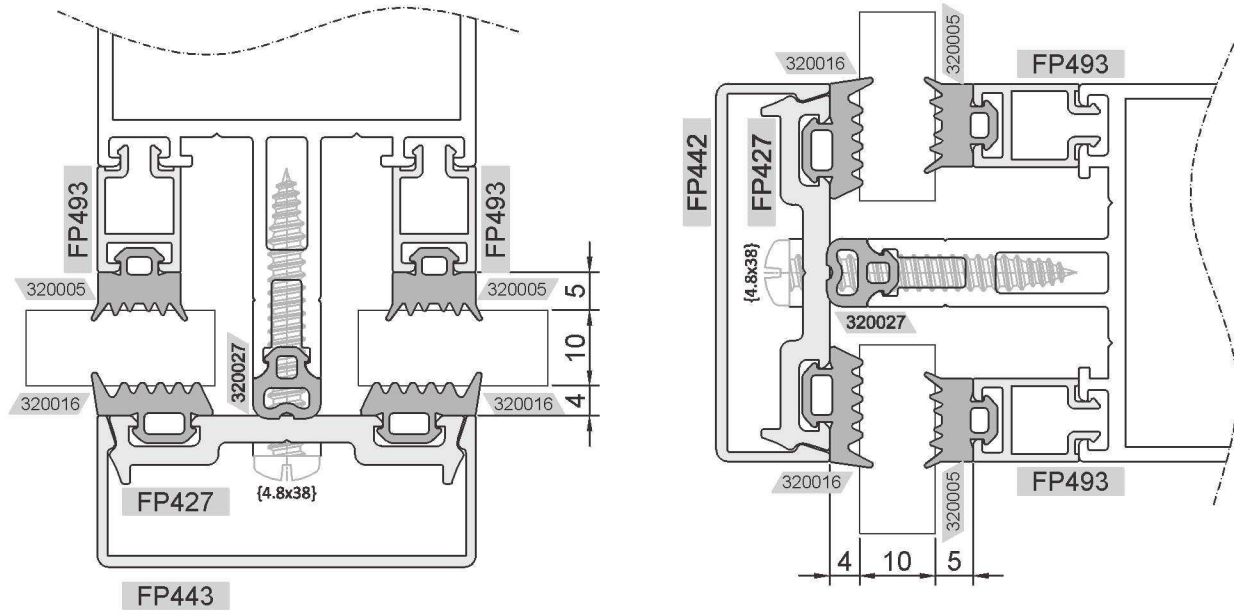
6mm



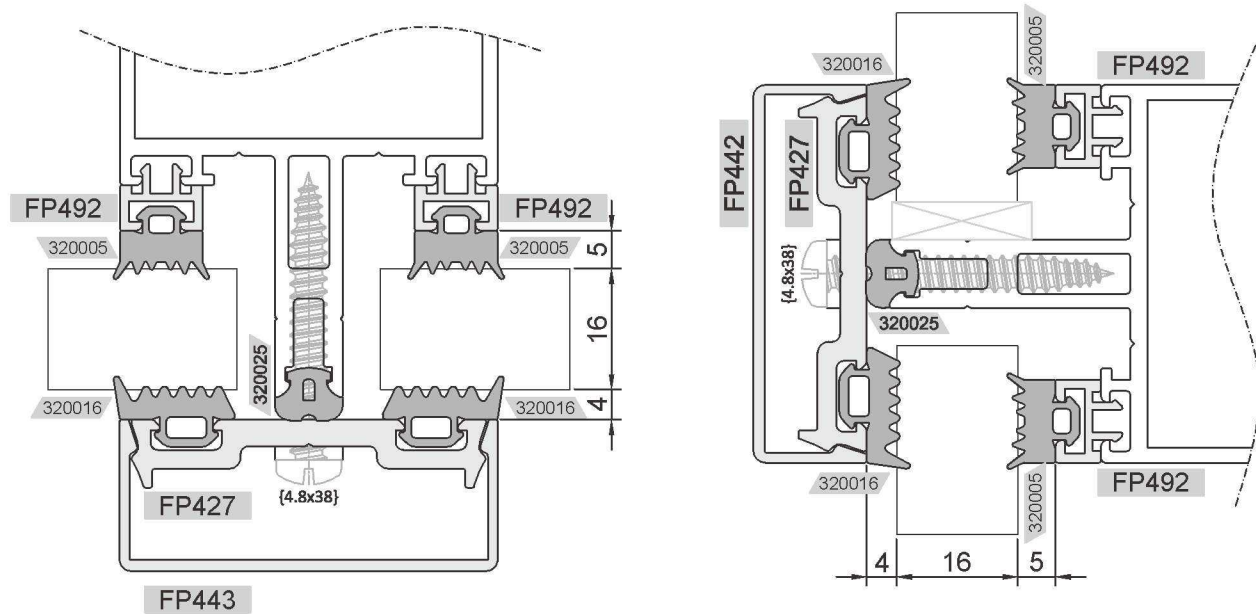
8mm



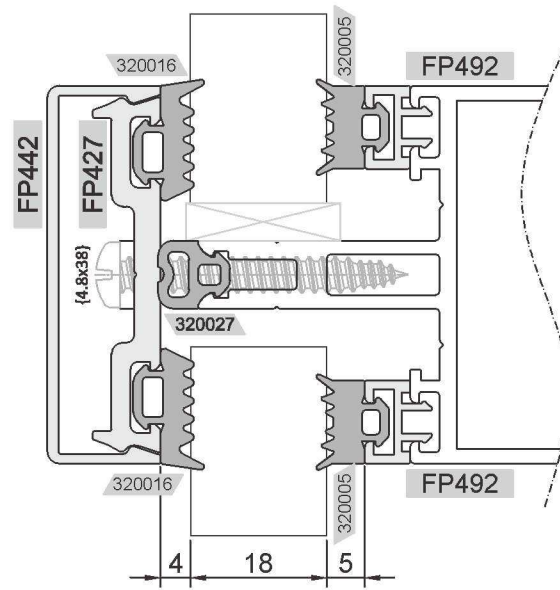
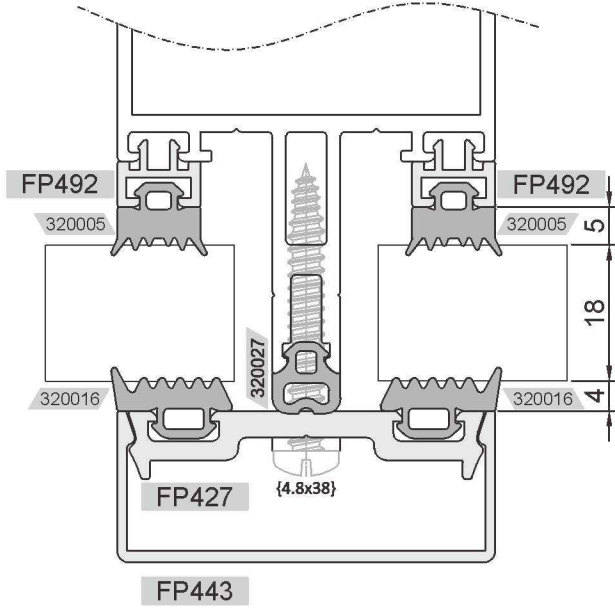
10mm



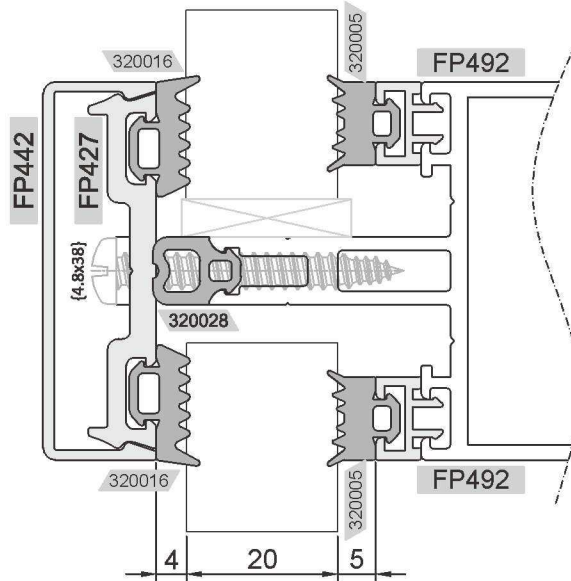
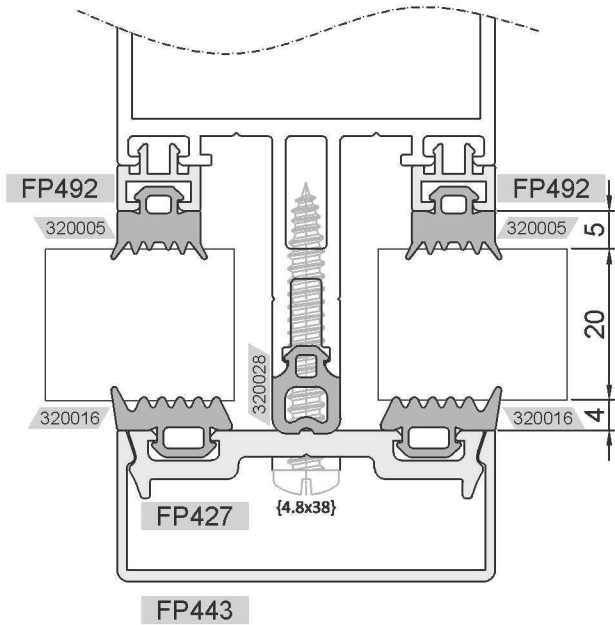
16mm



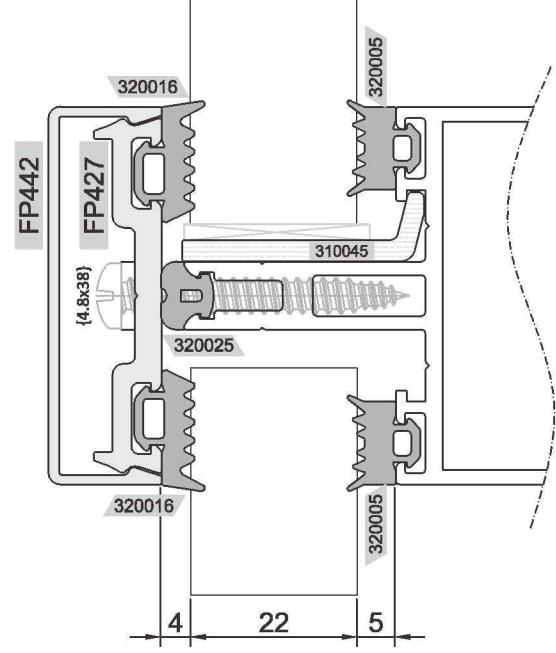
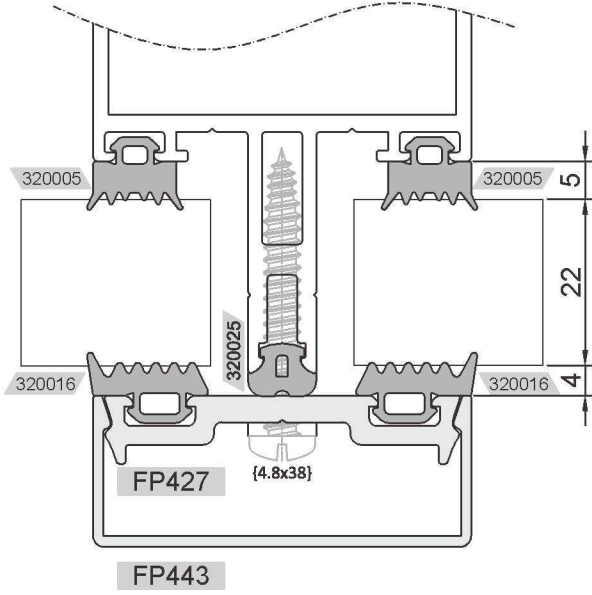
18mm



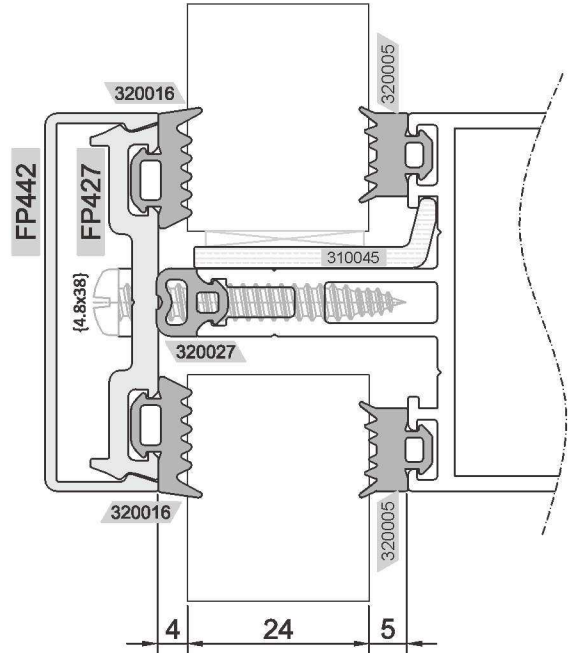
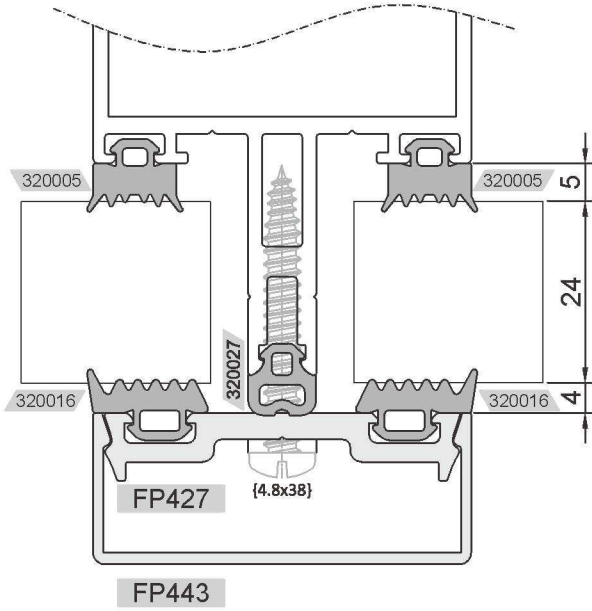
20mm



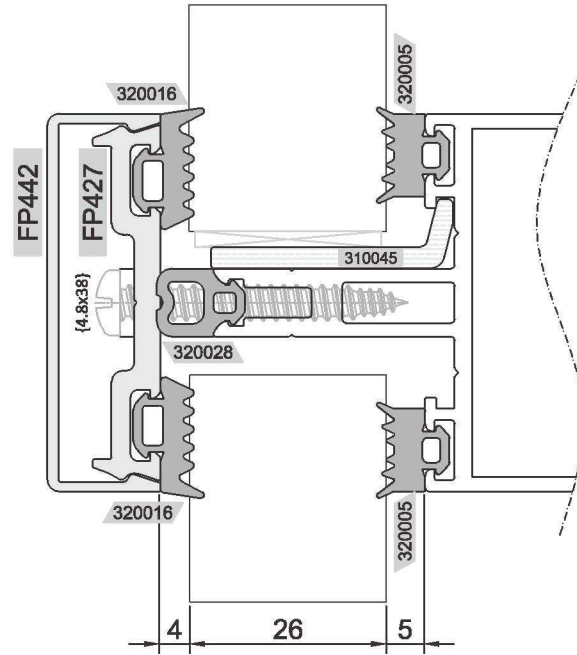
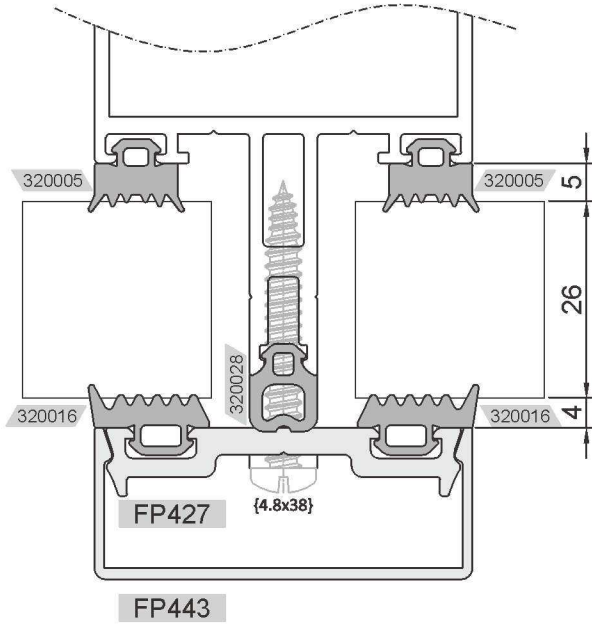
22mm



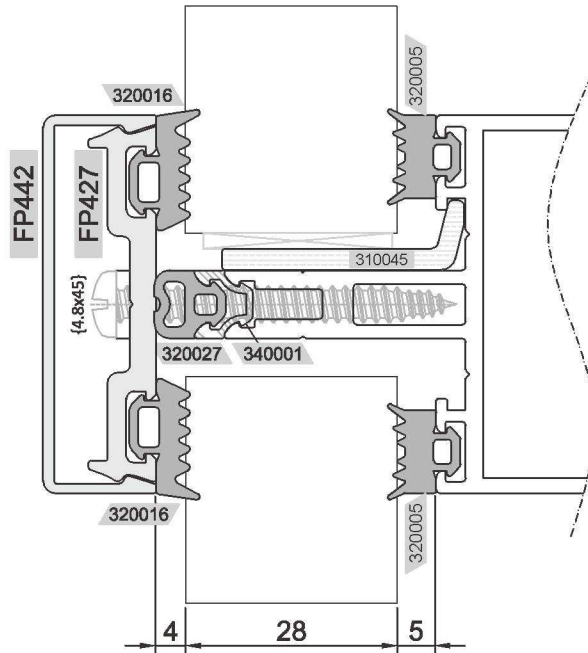
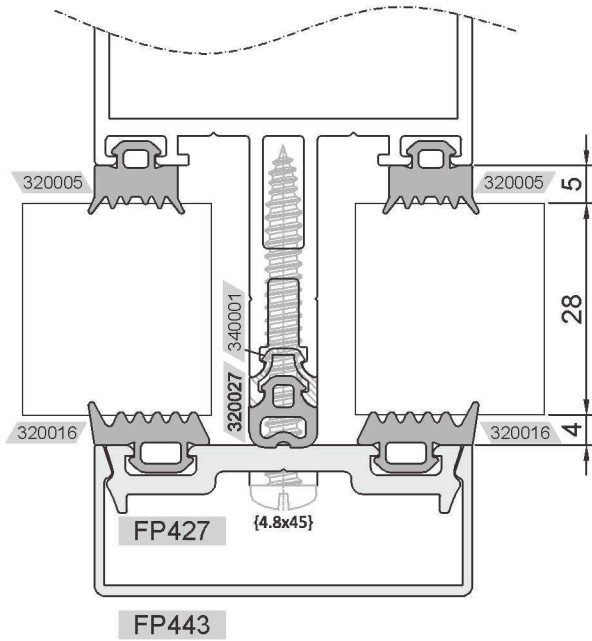
24mm



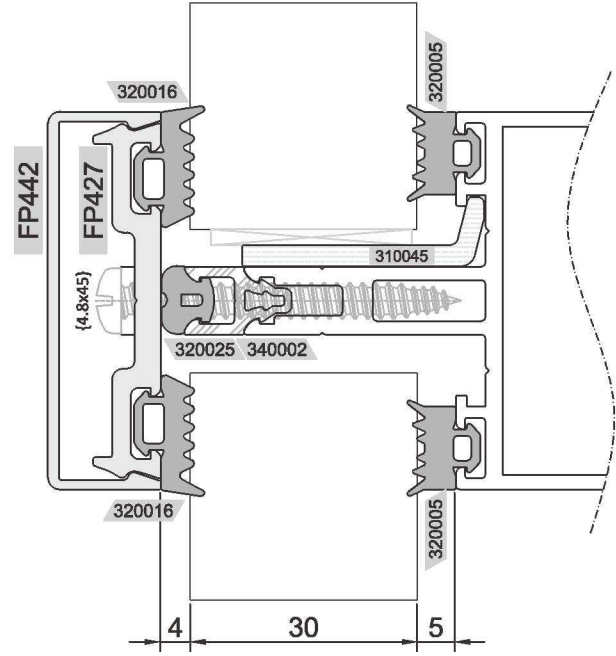
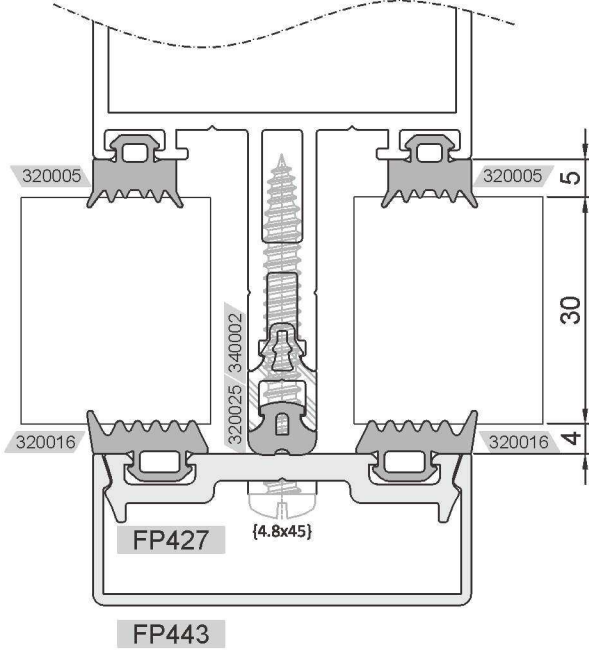
26mm



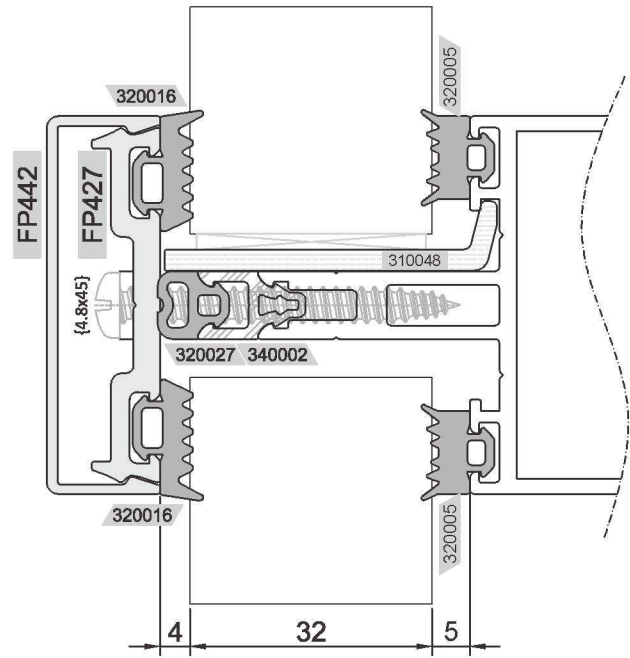
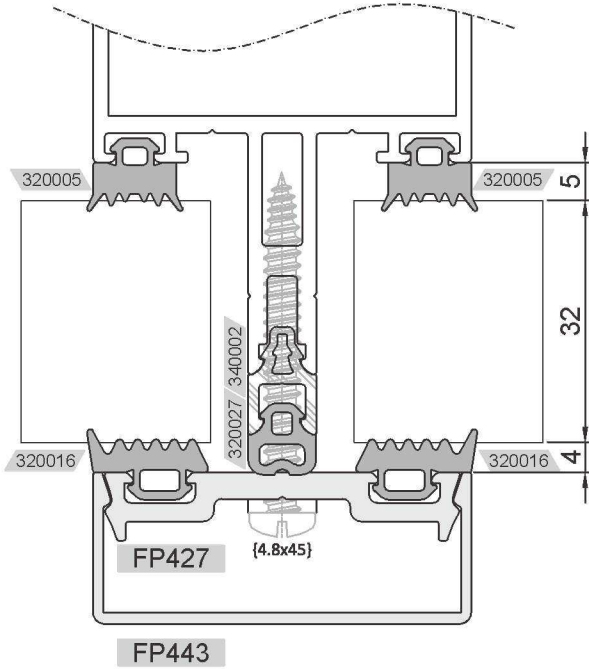
28mm



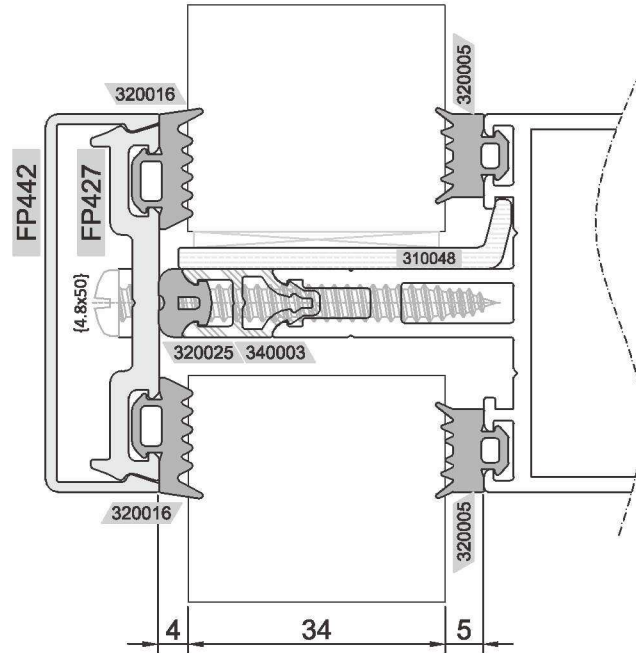
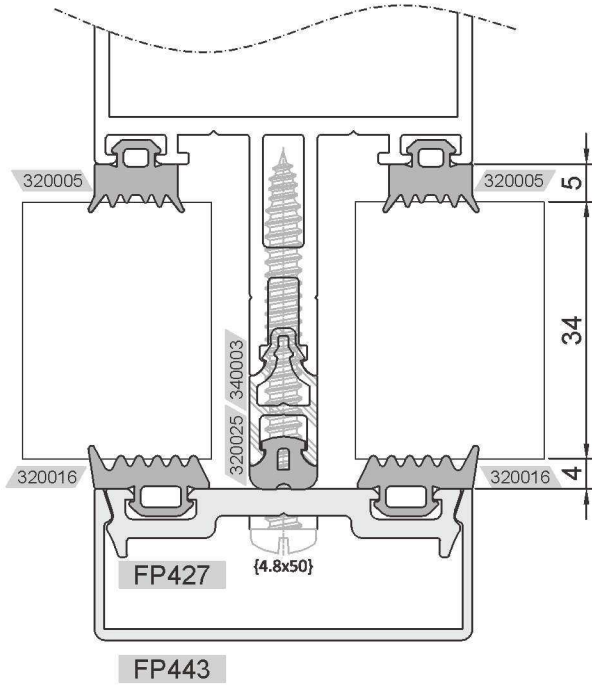
30mm



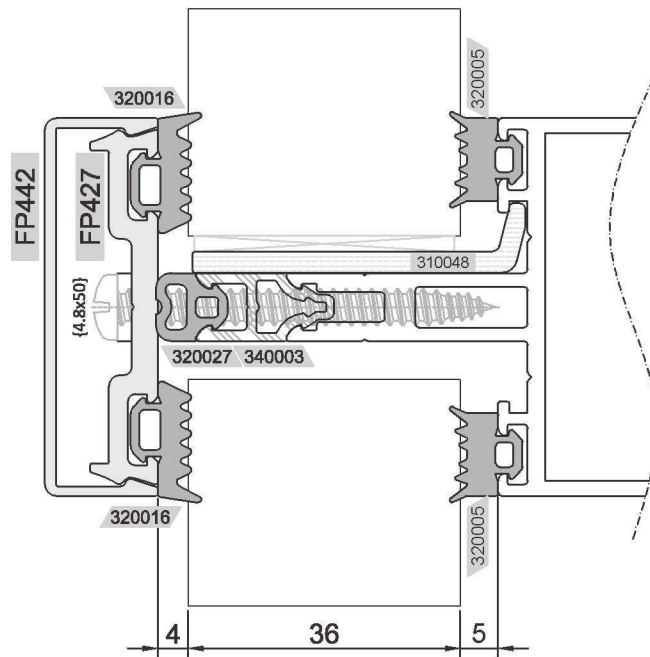
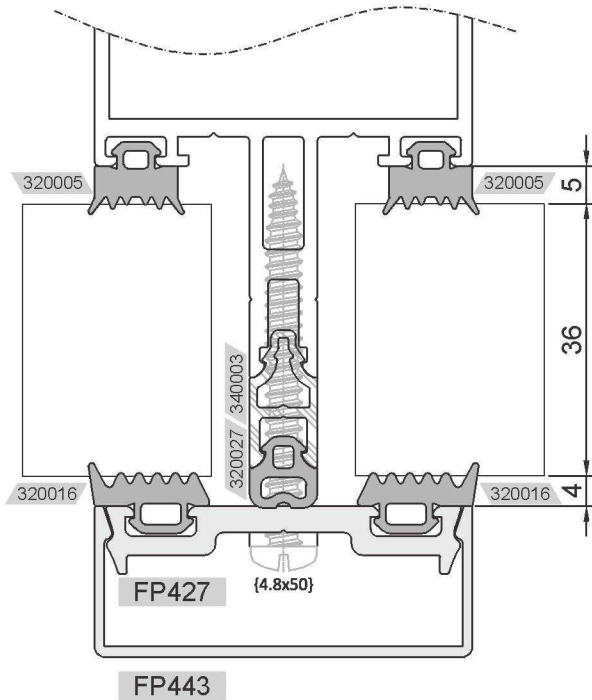
32mm



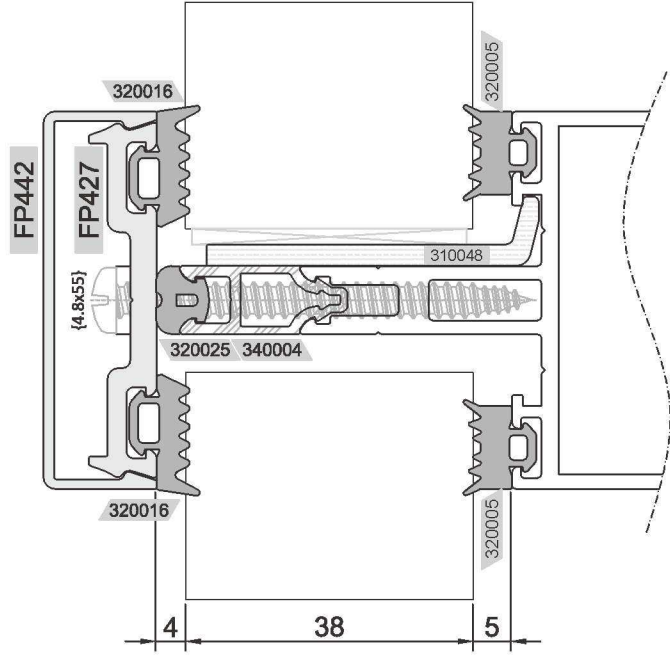
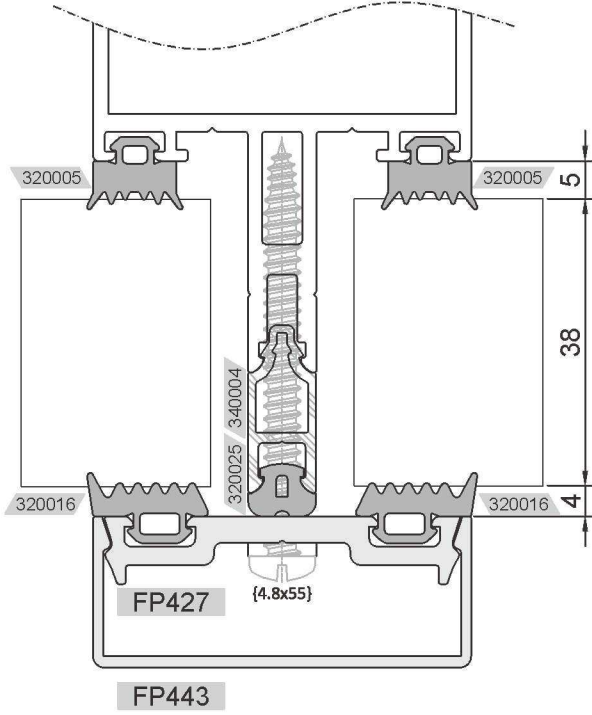
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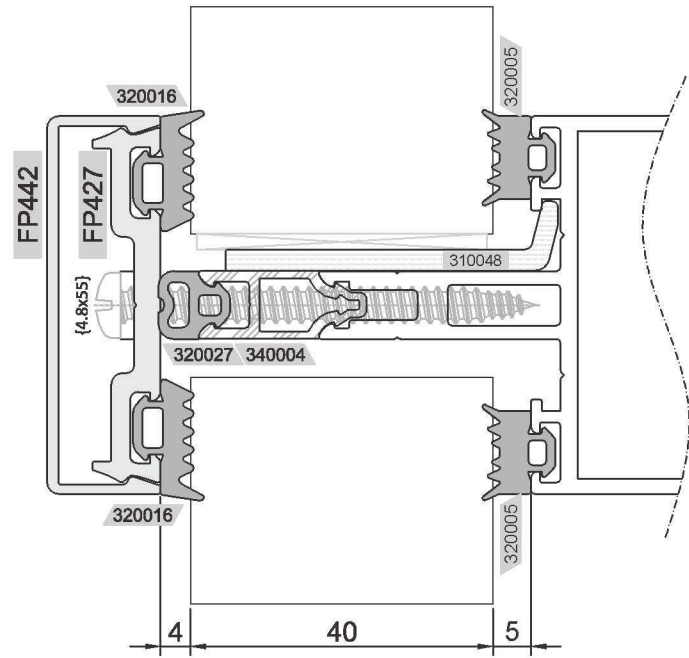
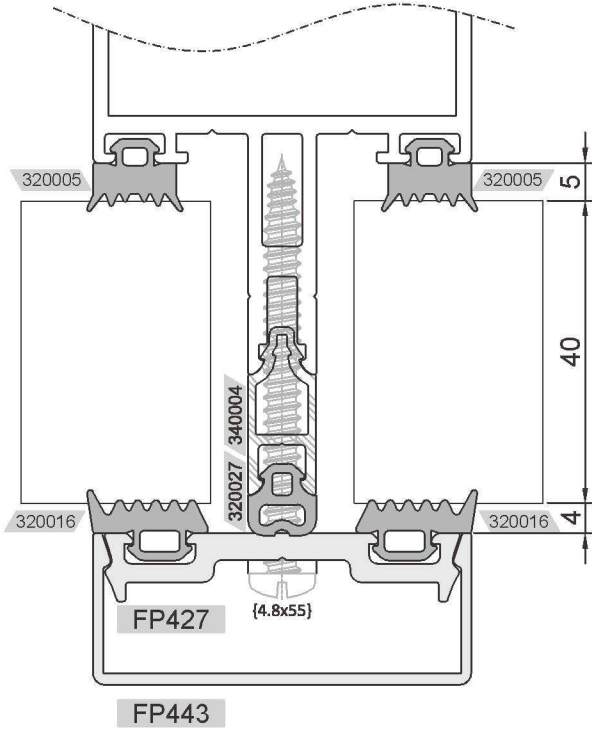
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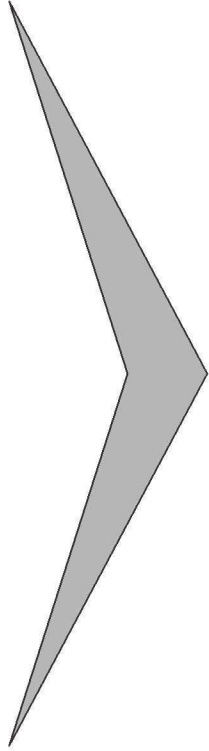


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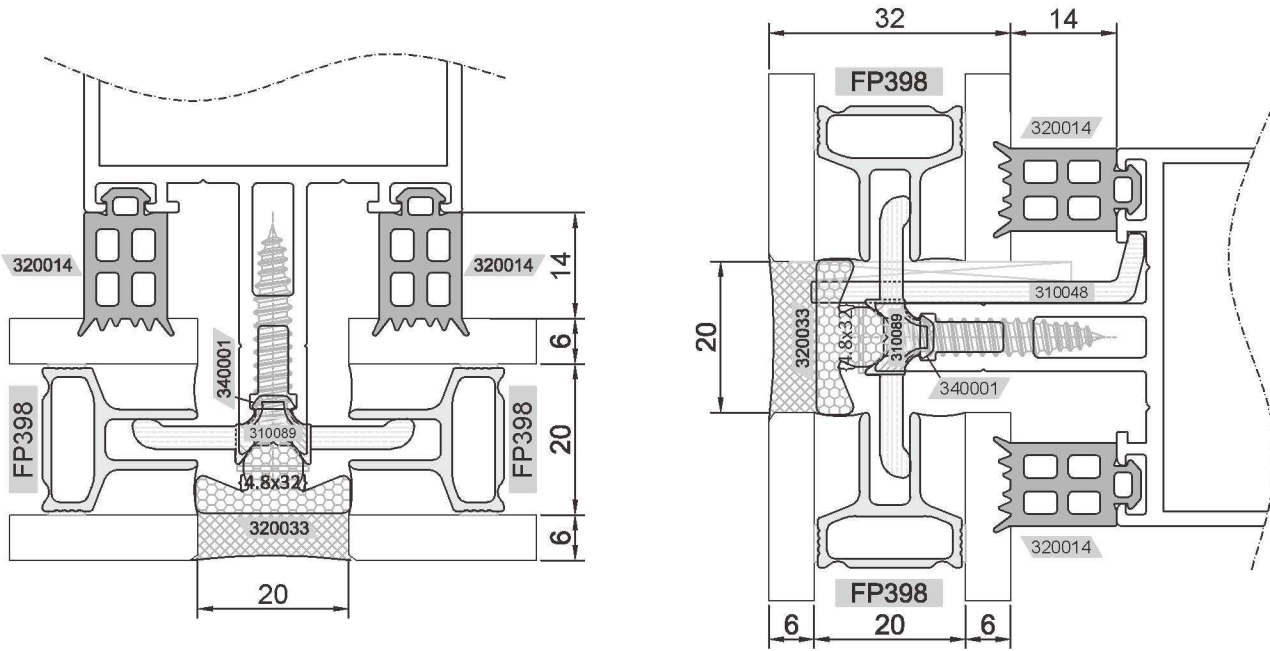
CAM KALINLIKLARINA GÖRE ENTEĞRE SİSTEM DETAYLARI

İNTEĞRATED CURTAIN WALL DETAILS ACCORDING TO THE GLASS THICKNESSES

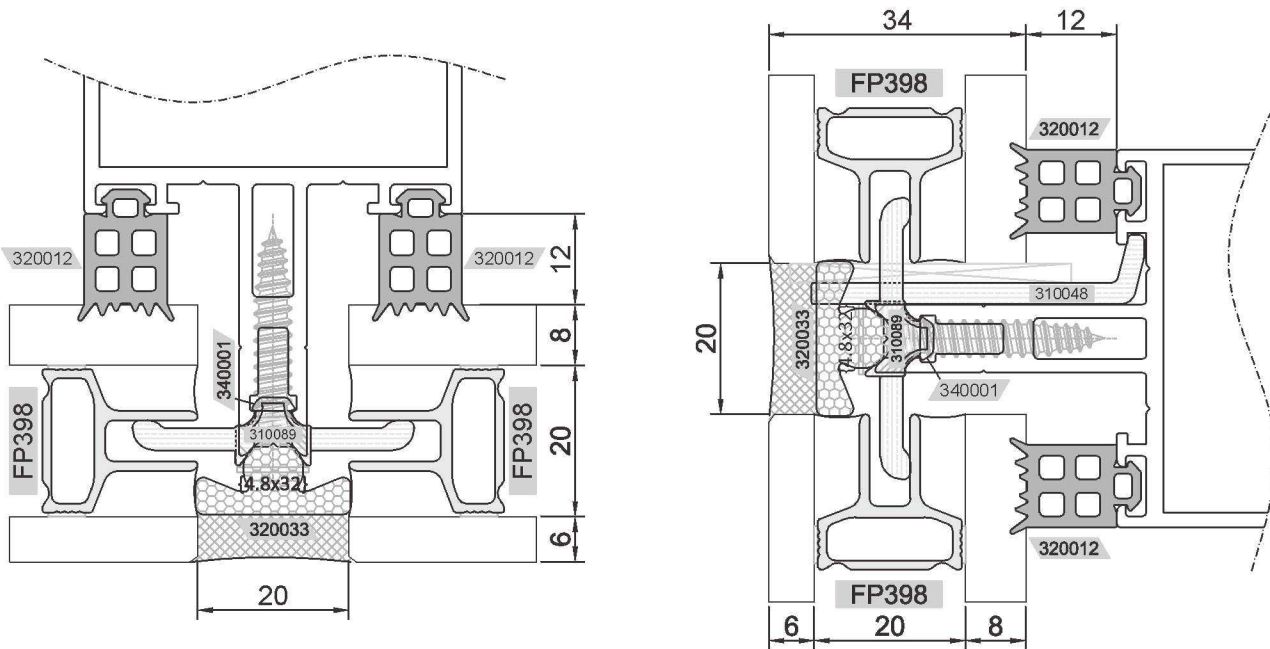


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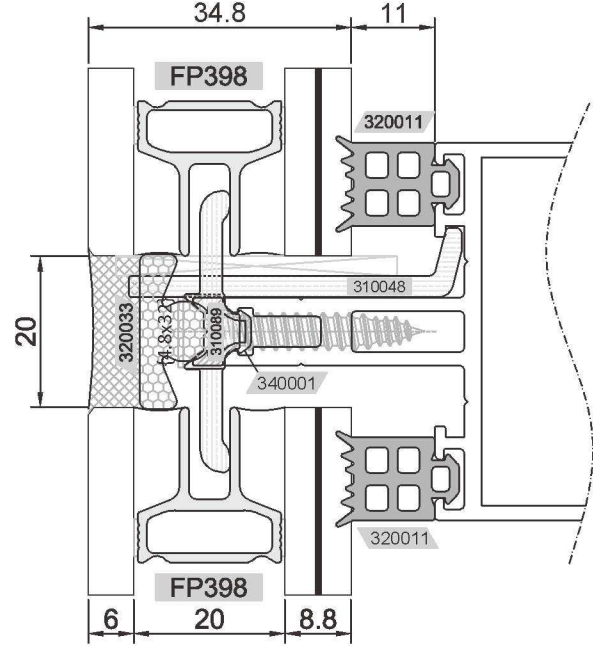
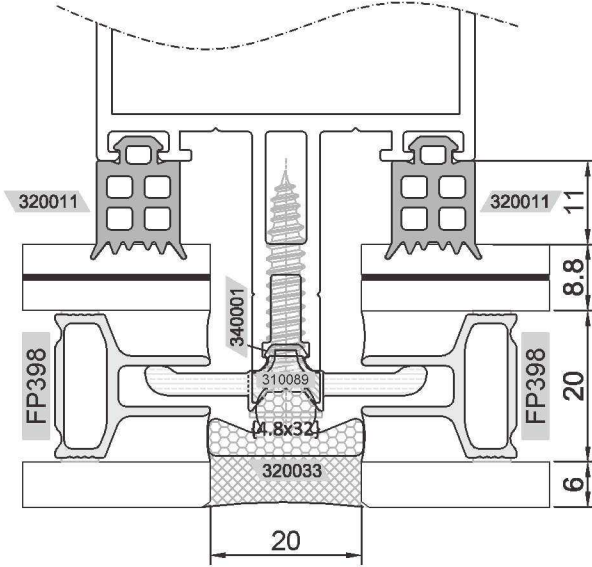
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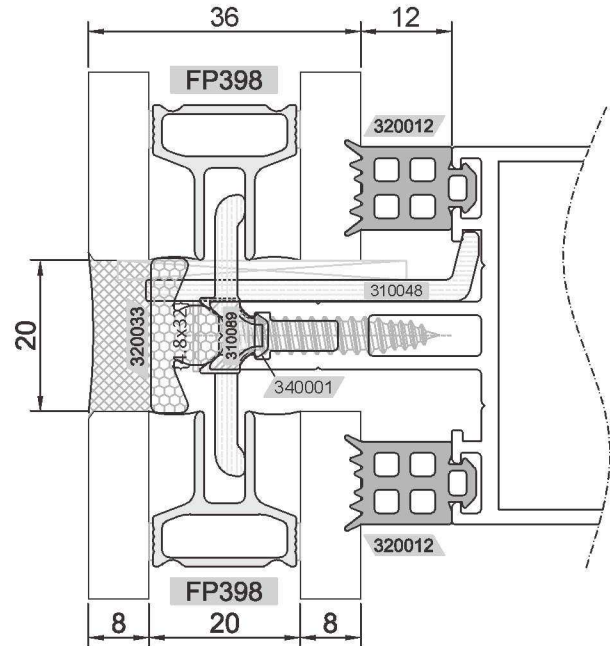
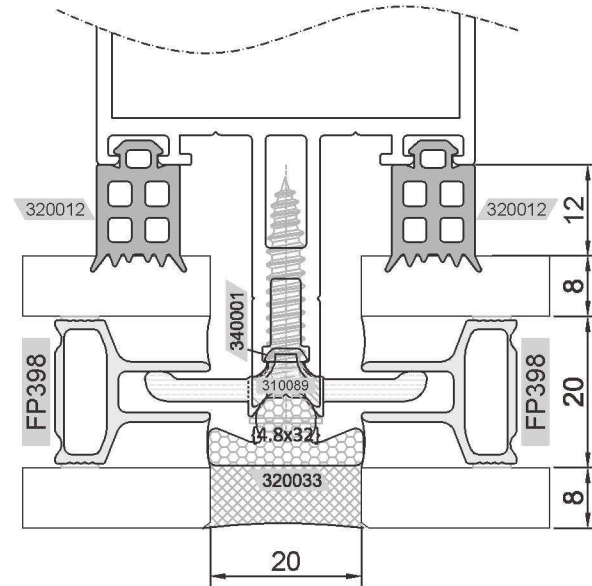
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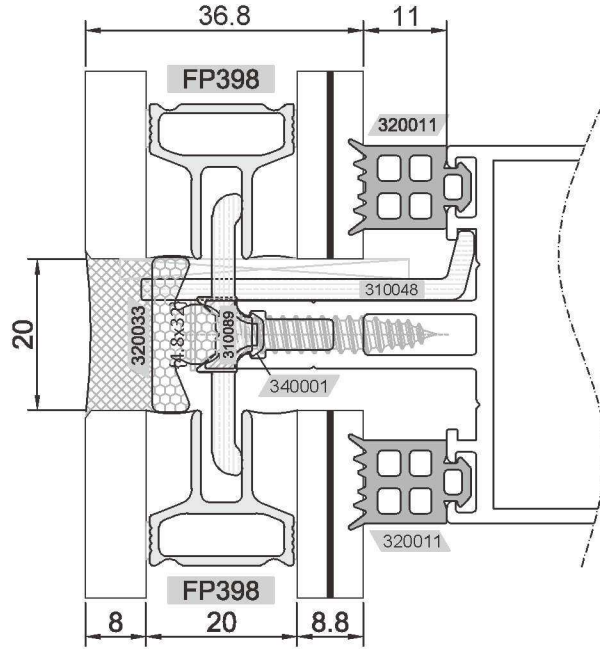
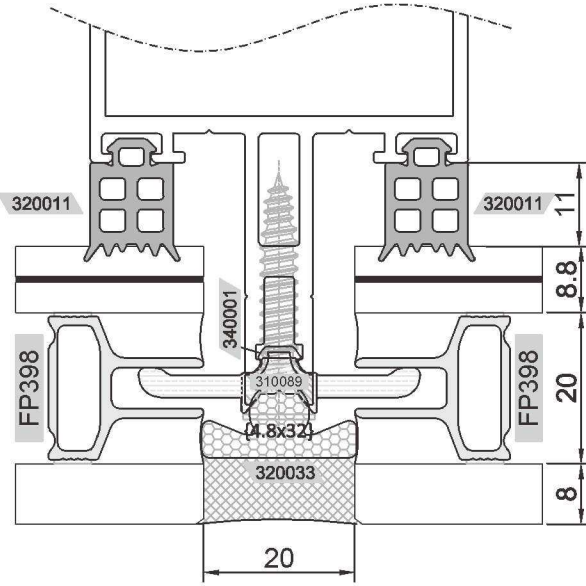
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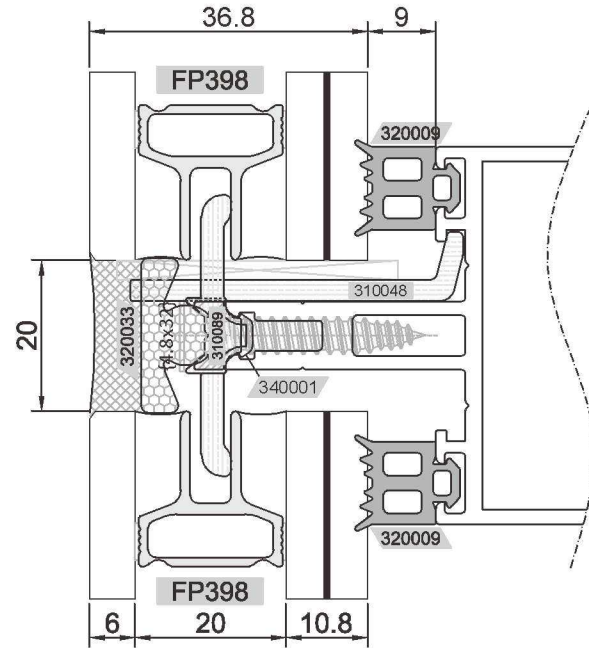
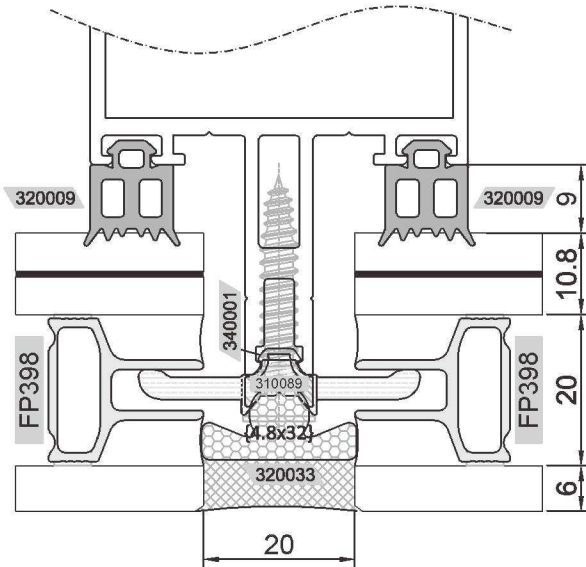
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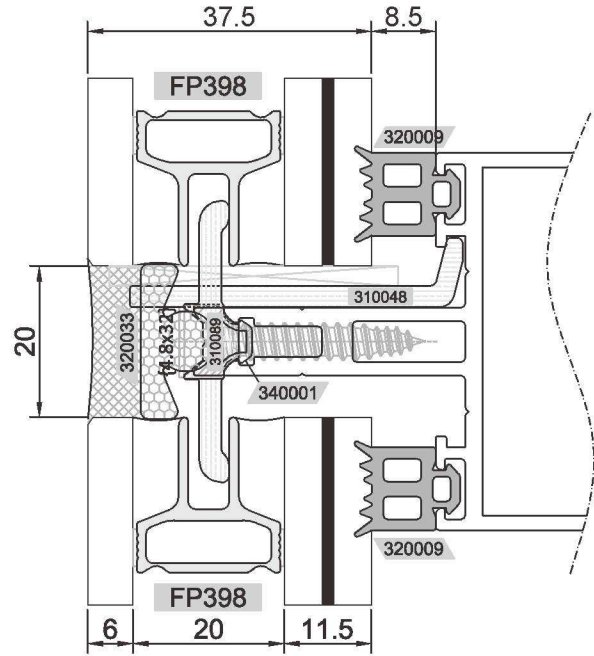
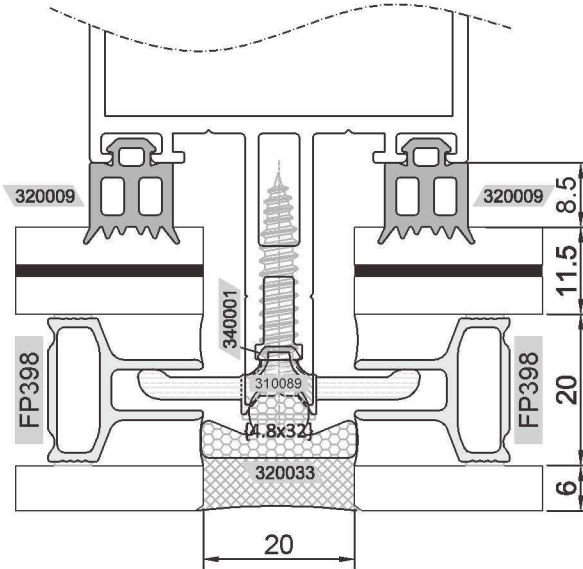
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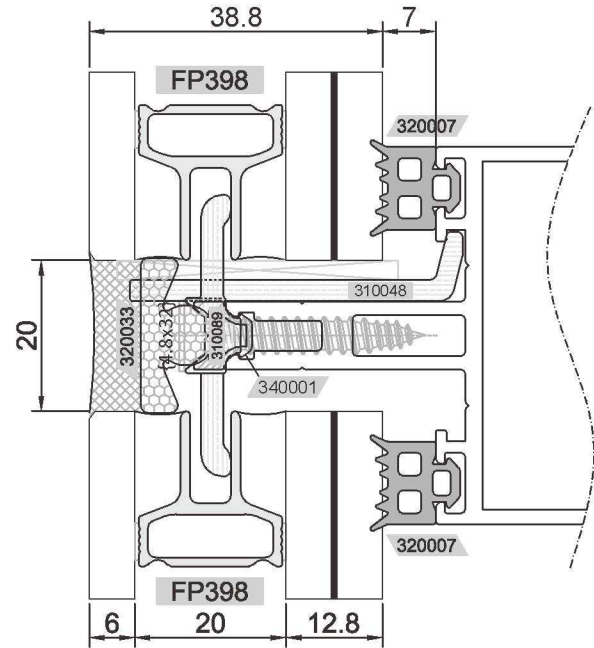
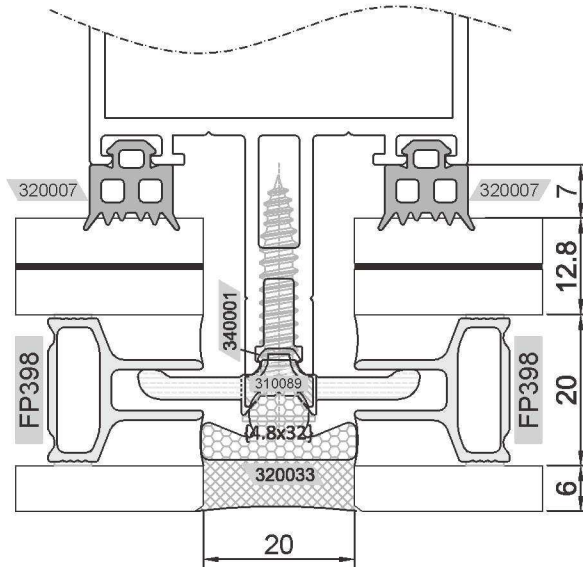
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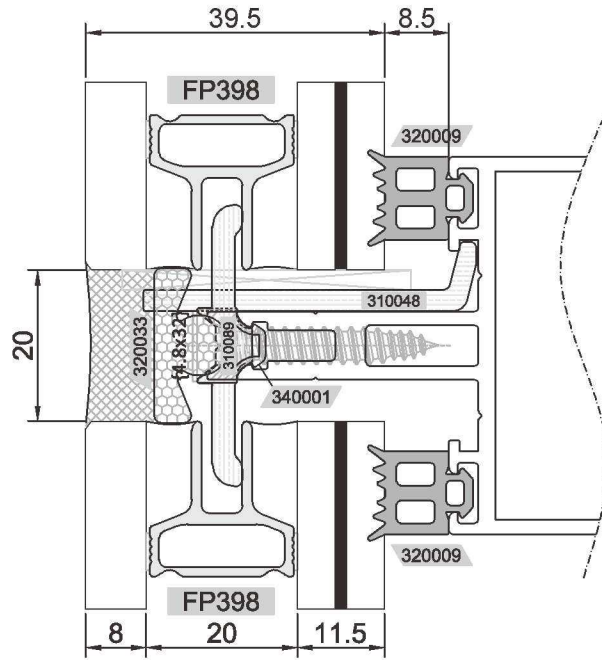
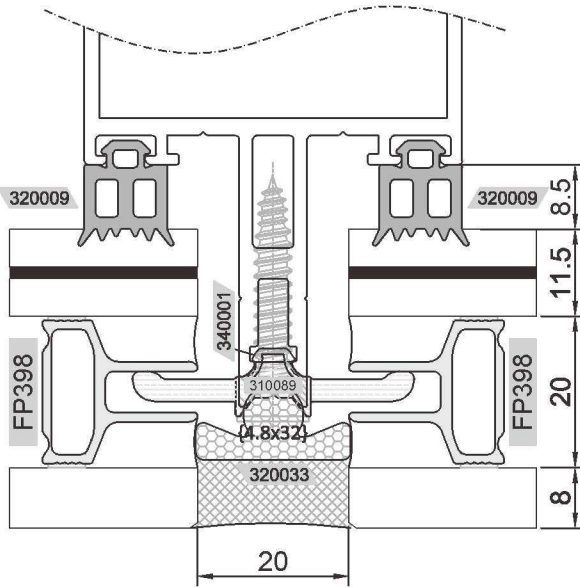
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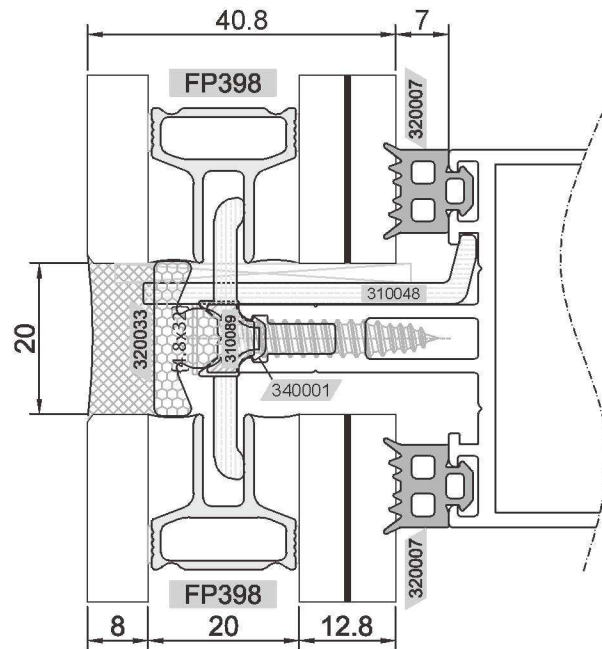
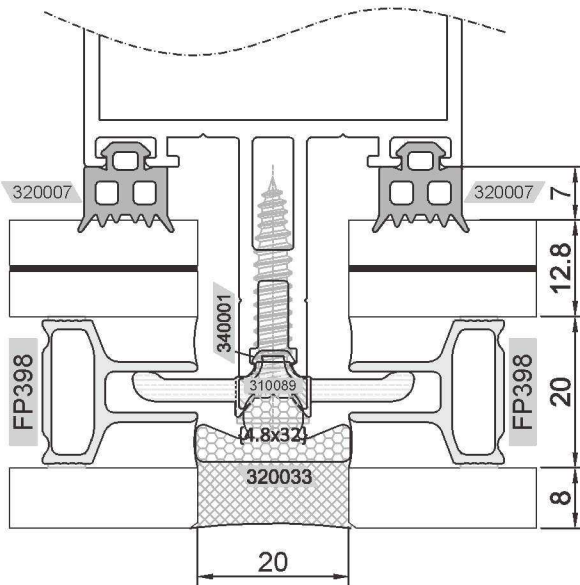
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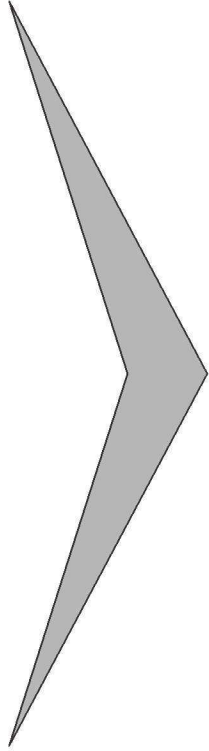


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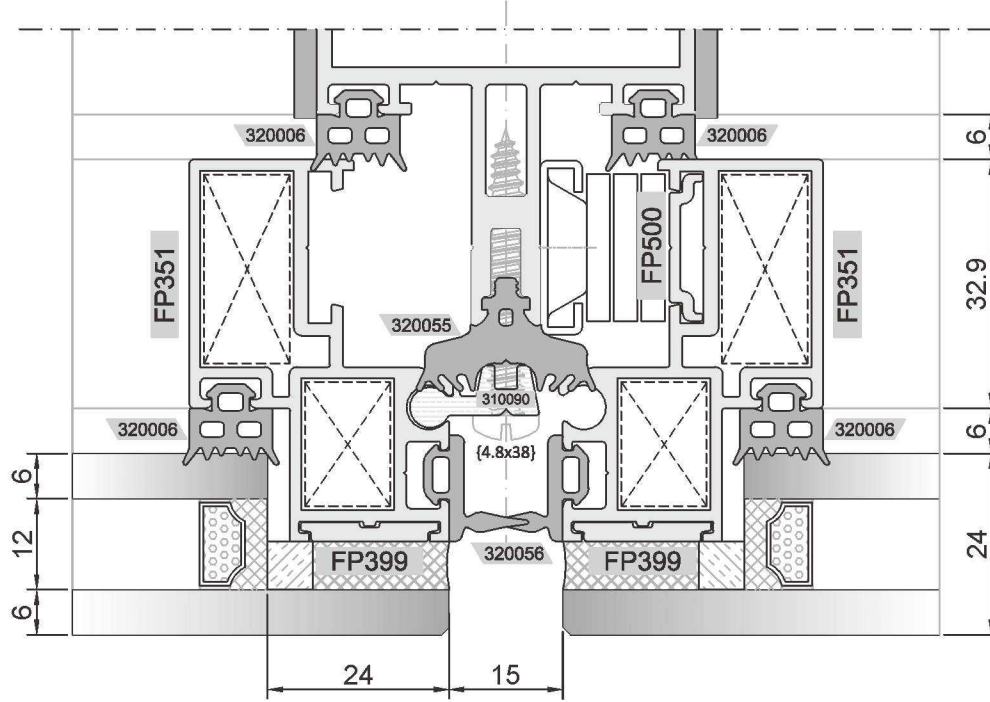
CAM KALINLIKLARINA GÖRE KASETLİ SİSTEM DETAYLARI

CURTAIN WALL WITH STRUCTURAL CELLS DETAILS ACCORDING TO THE GLASS THICKNESSES

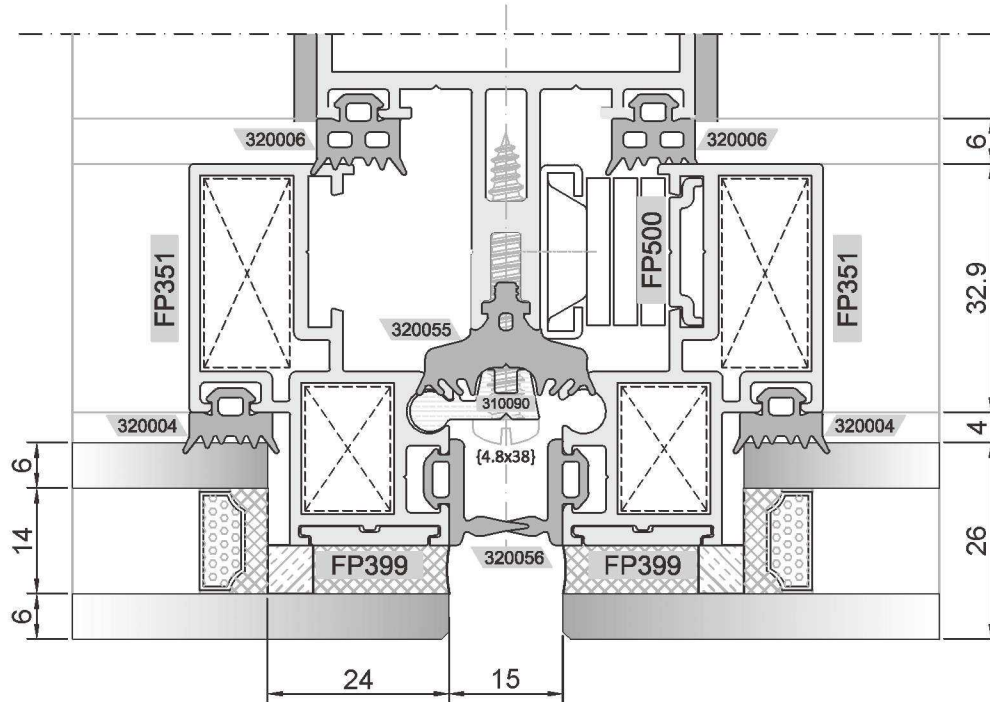


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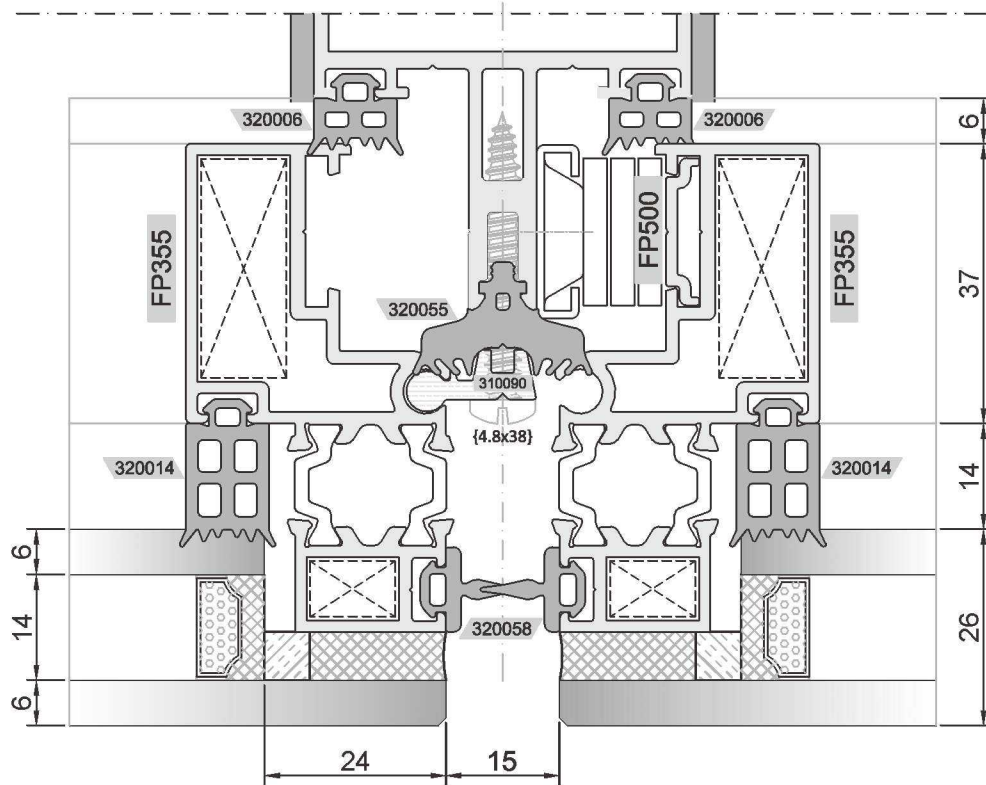
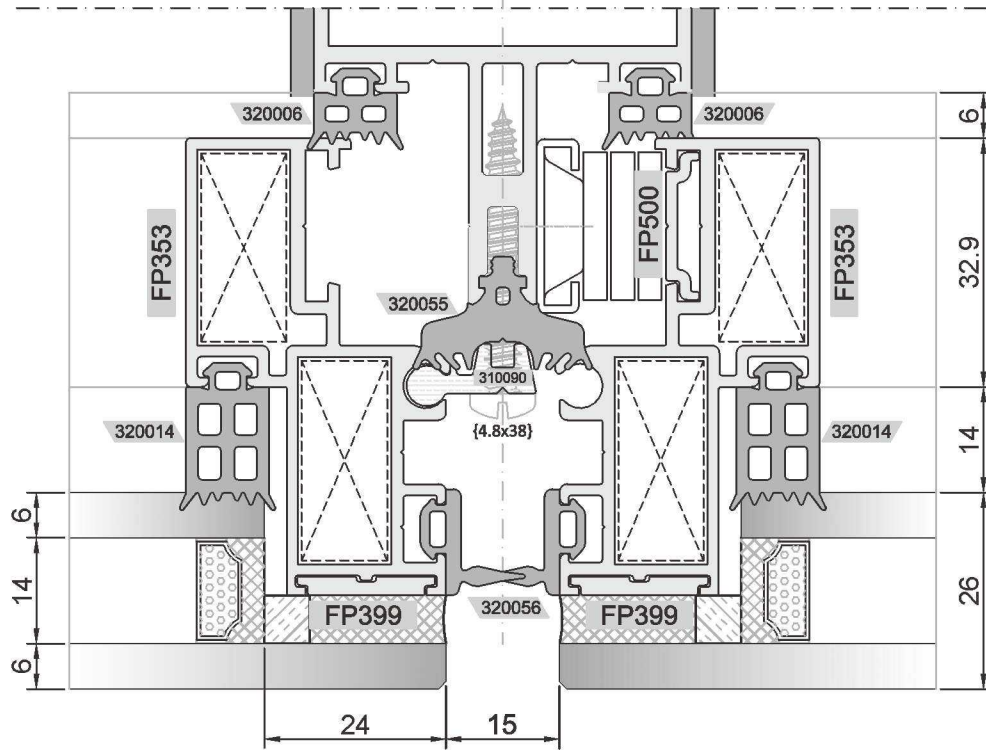
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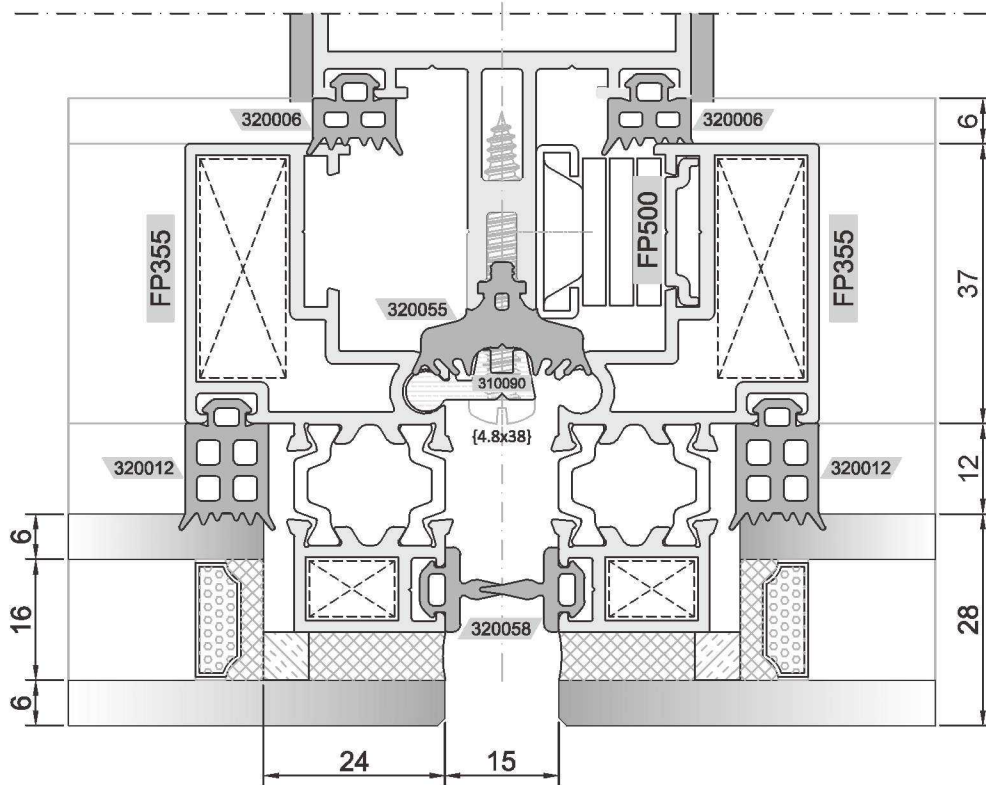
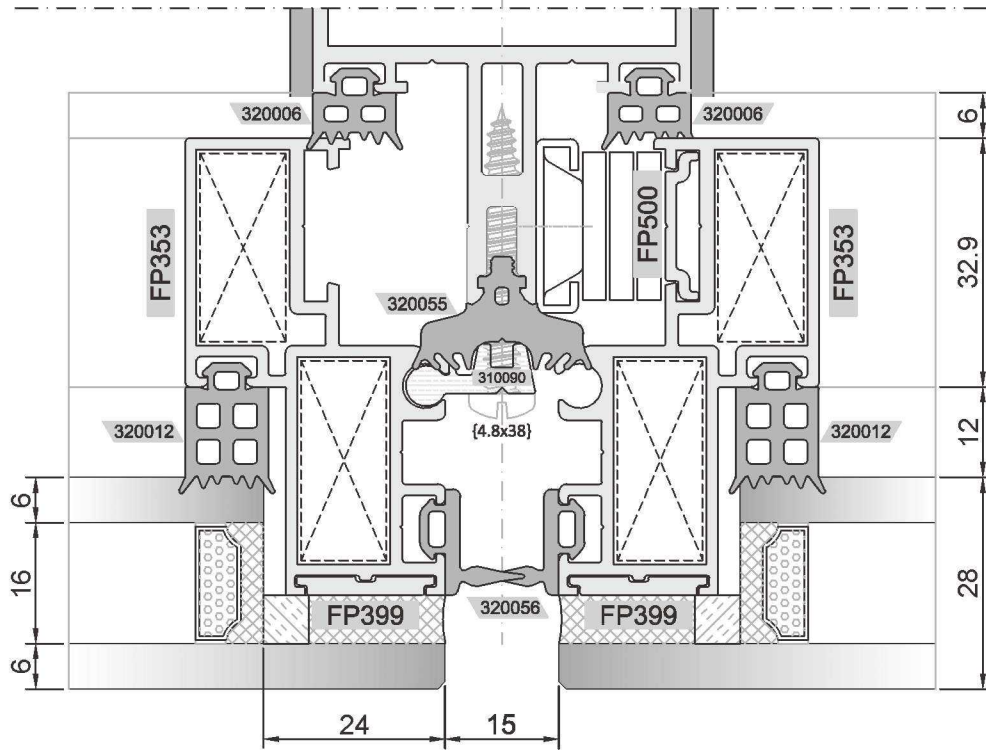
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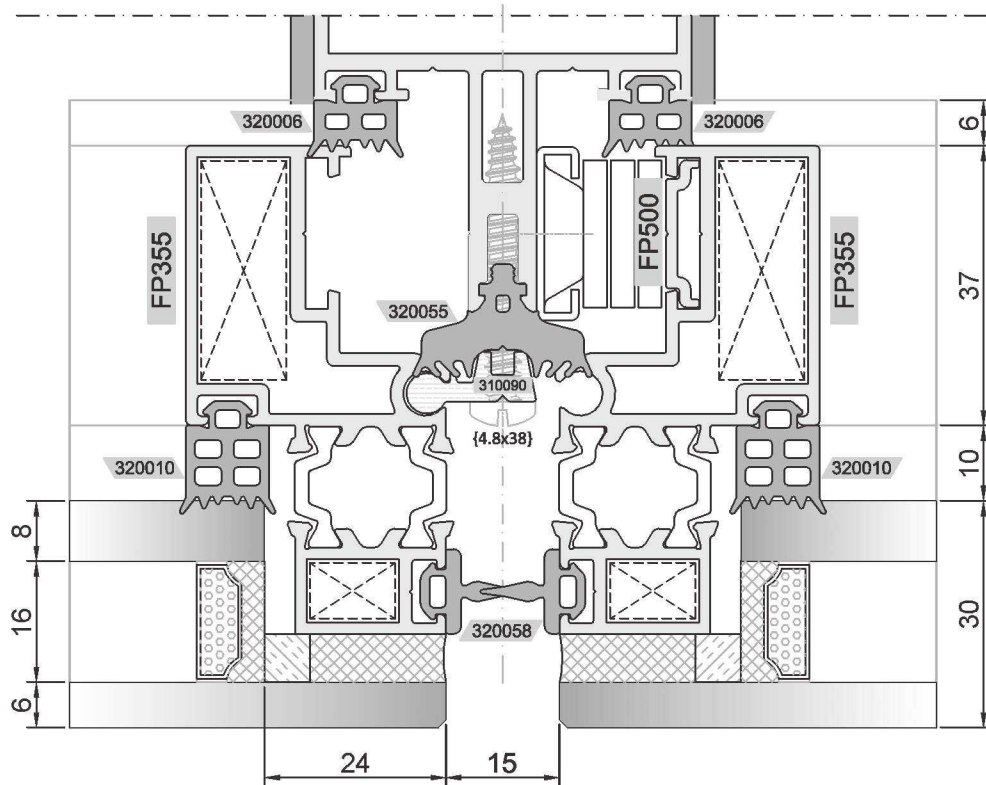
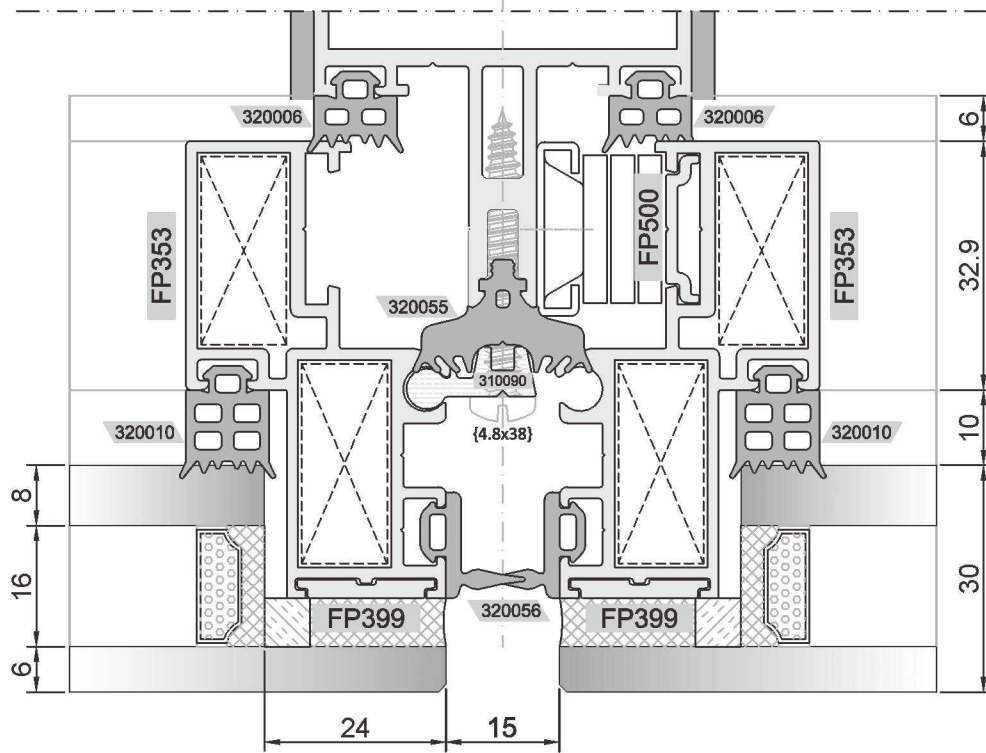
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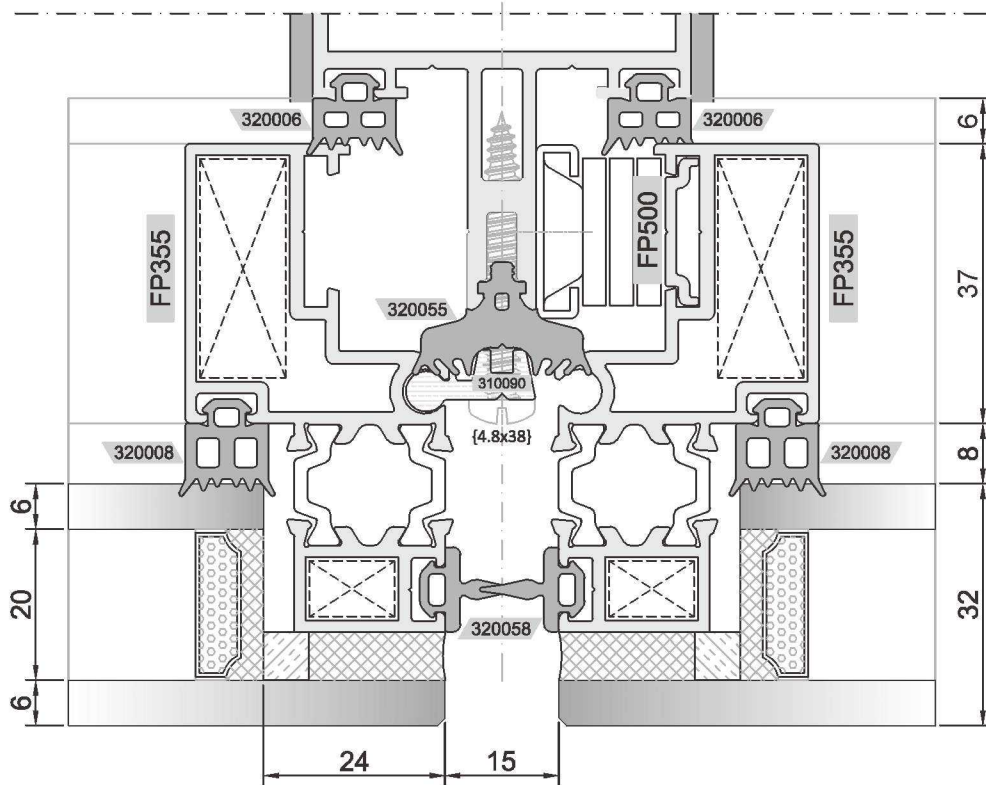
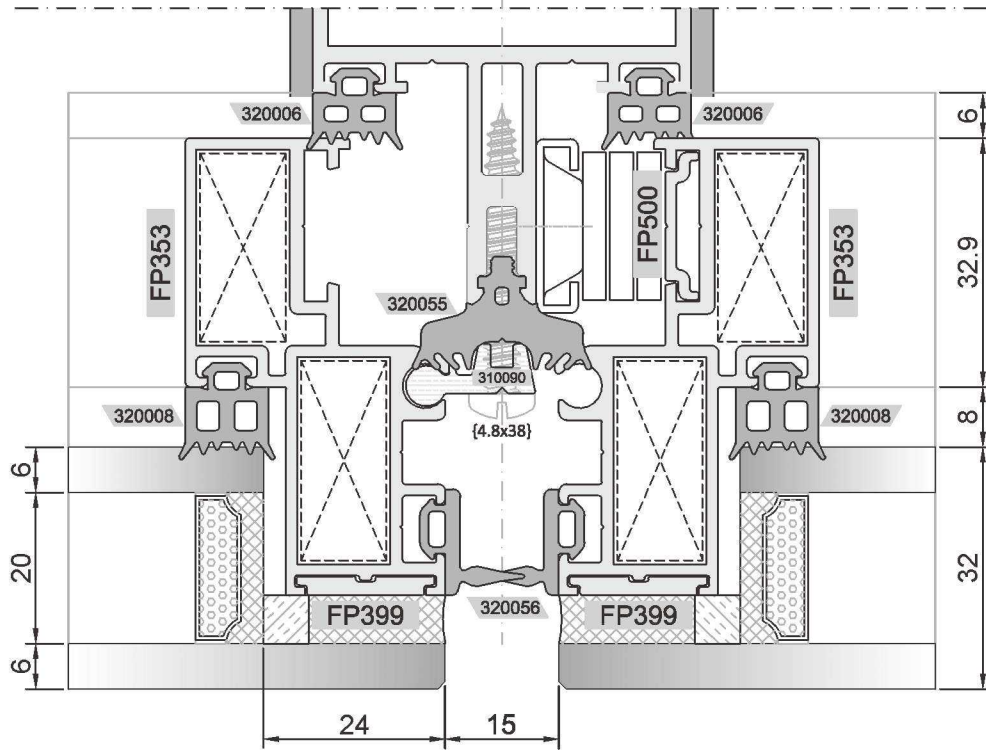
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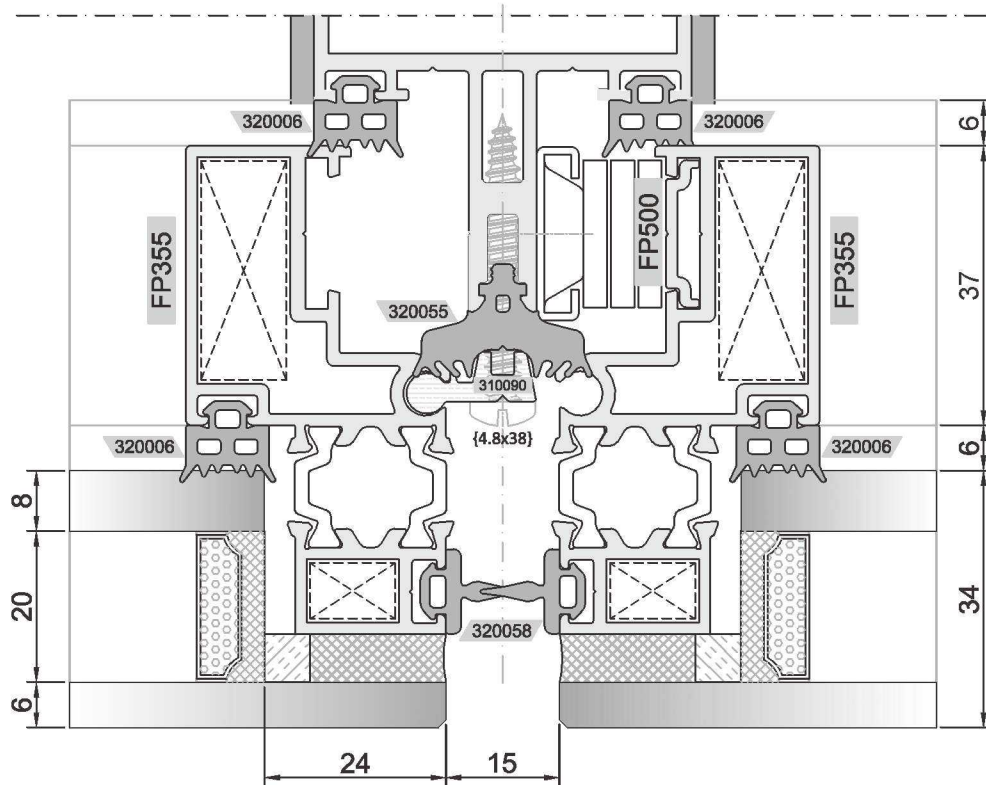
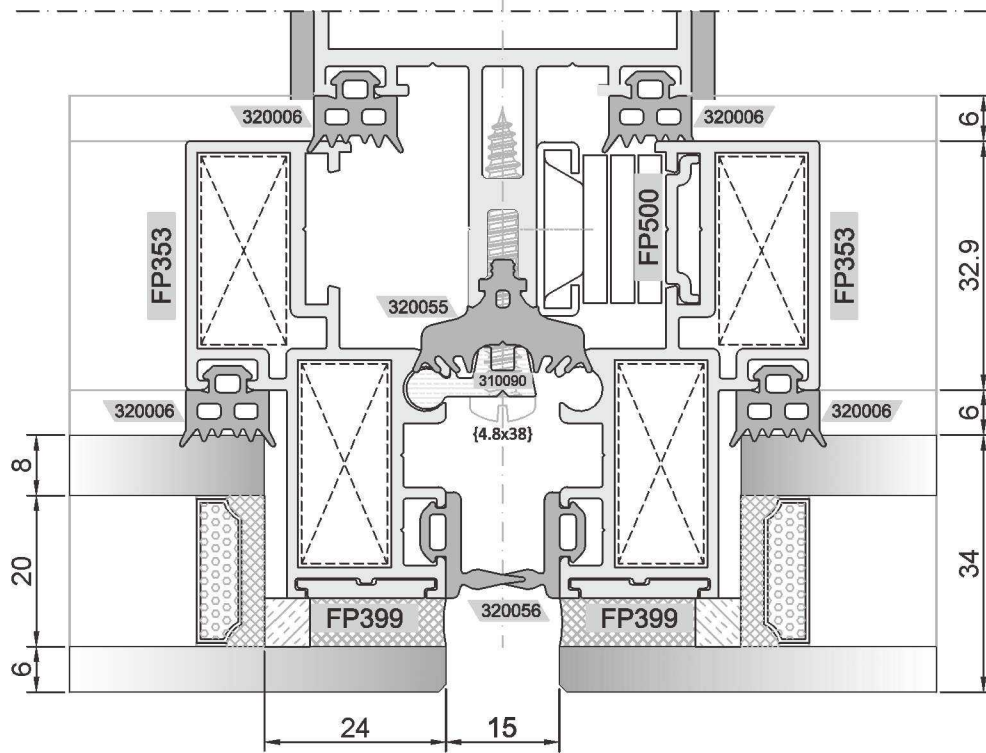
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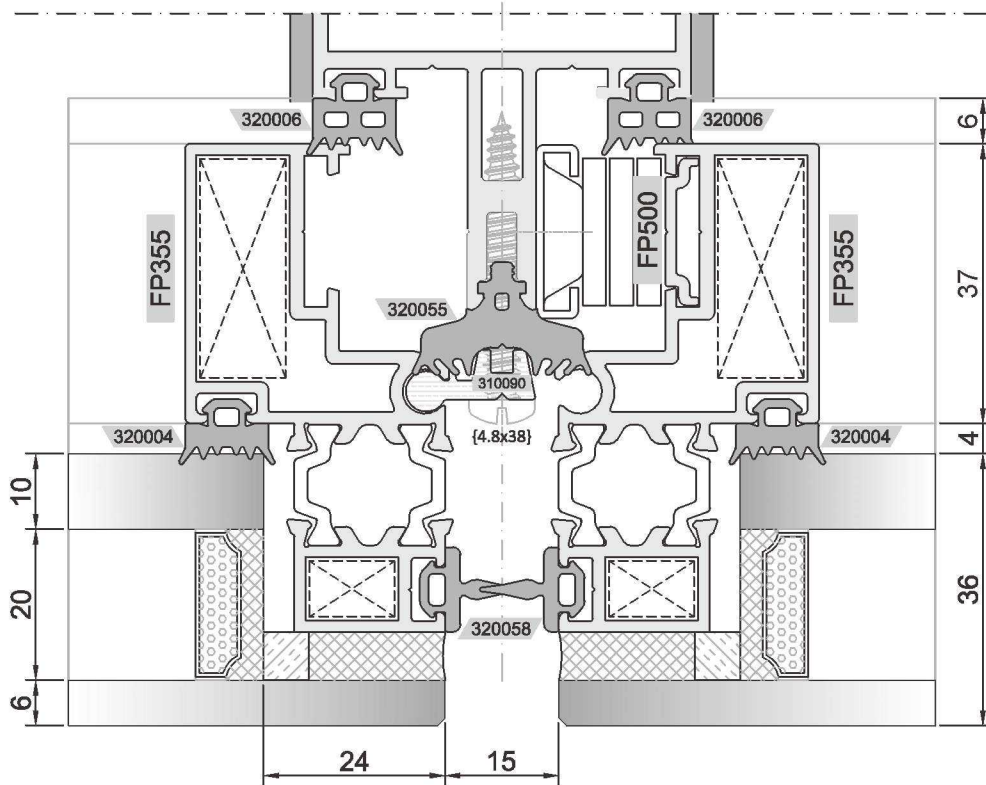
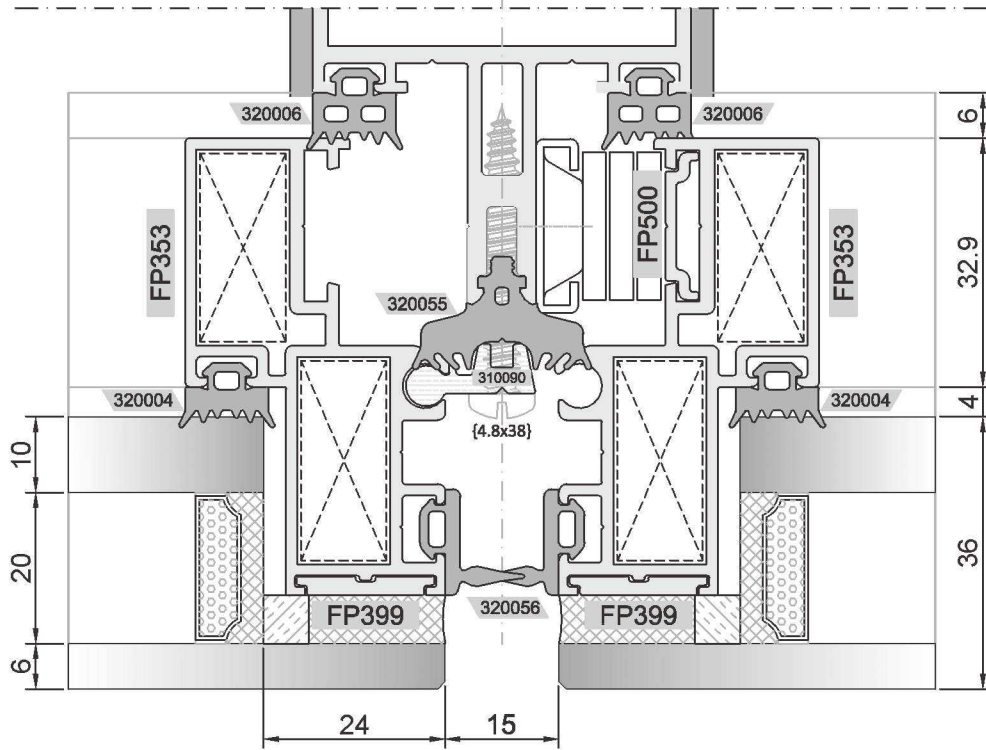
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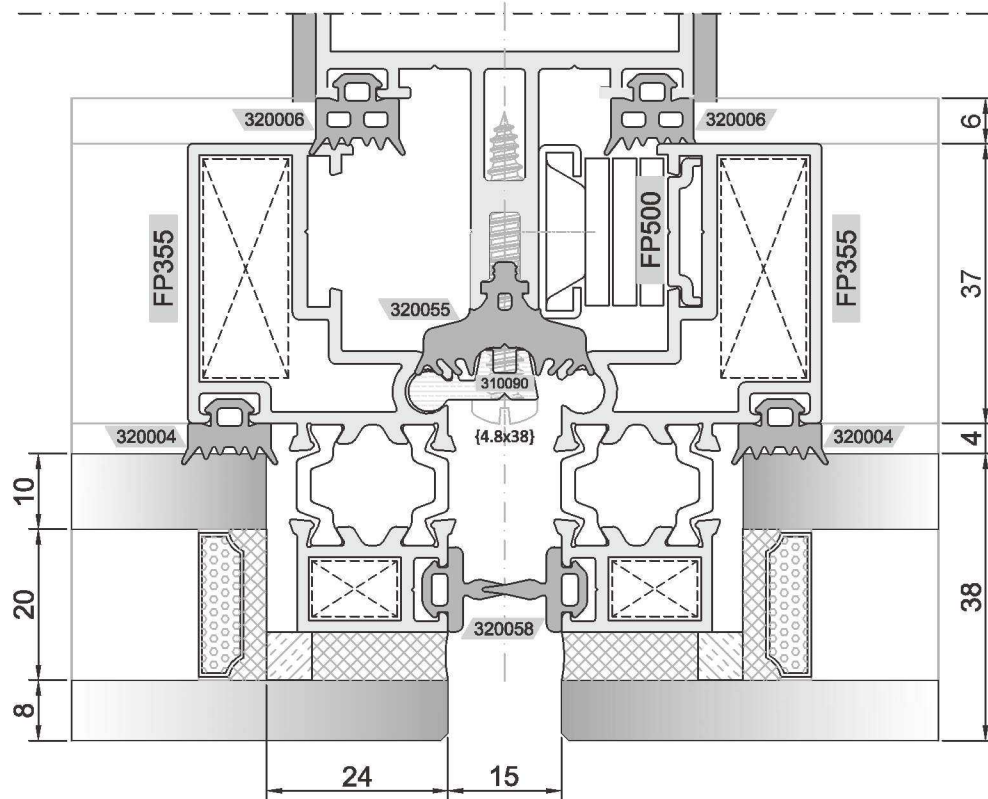
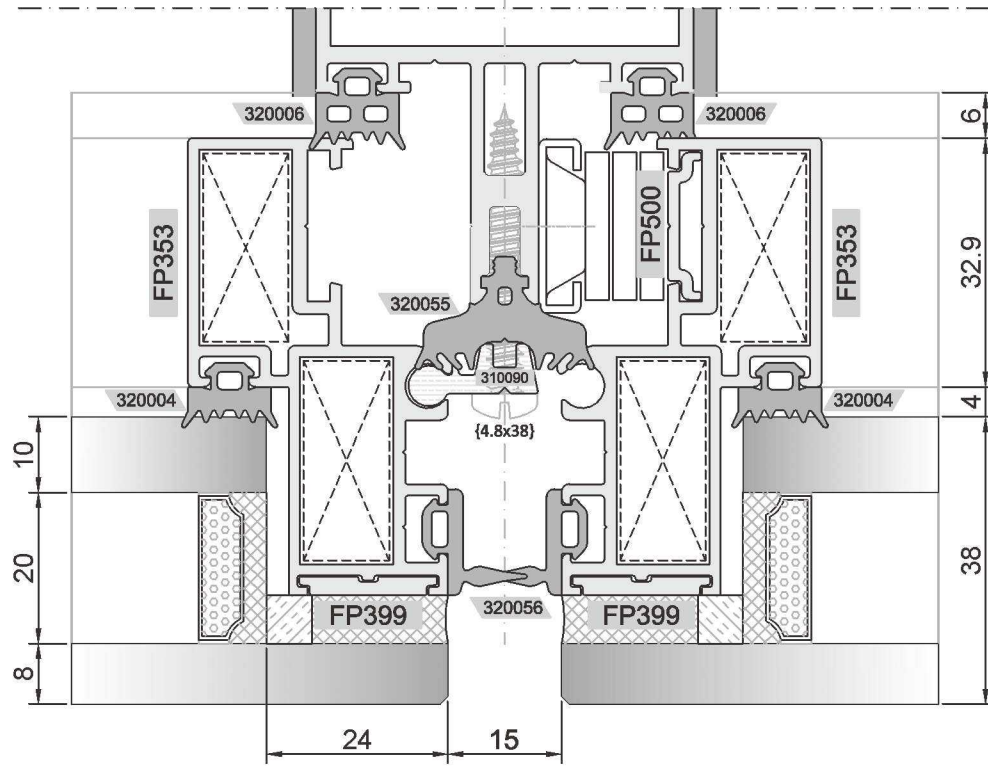
34mm



36mm

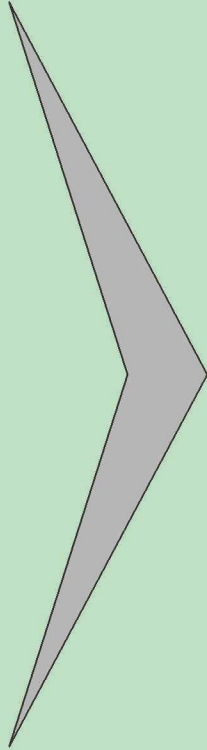


38mm



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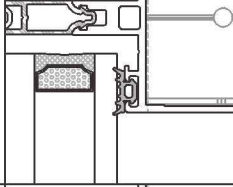
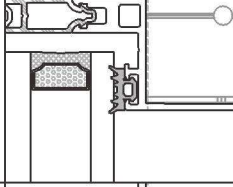
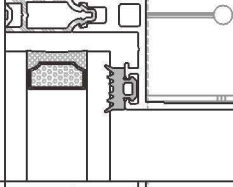
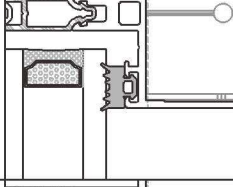
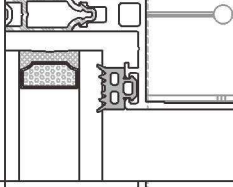
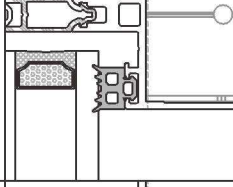
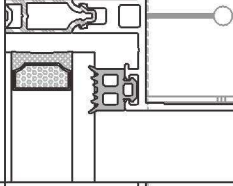
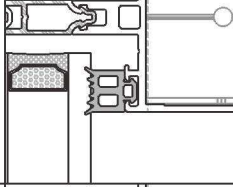
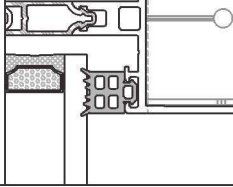
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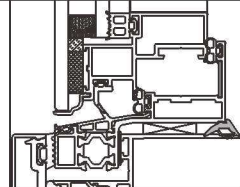
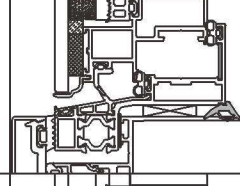
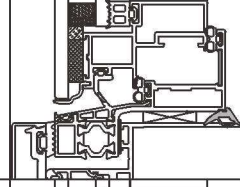
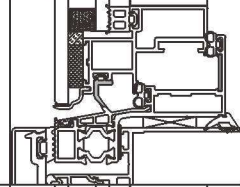
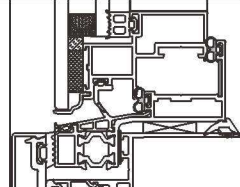
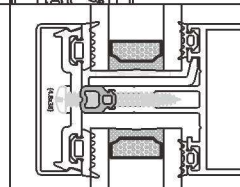
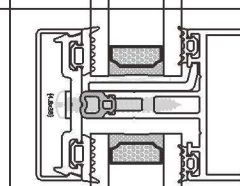
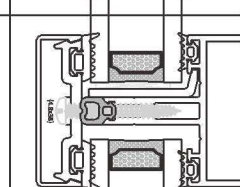
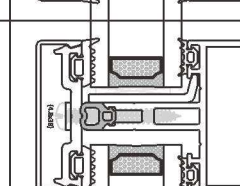
EPDM FİTİLLER / EPDM GASKETS

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320002 İÇ BİNI FİTİLİ 2 mm / INNER STEP GASKET 2 mm BİRİM AĞIRLIK / UNIT WEIGHT: 39 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 382 m		
320003 İÇ BİNI FİTİLİ 3 mm / INNER STEP GASKET 3 mm BİRİM AĞIRLIK / UNIT WEIGHT: 52 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 288 m		
320004 İÇ BİNI FİTİLİ 4 mm / INNER STEP GASKET 4 mm BİRİM AĞIRLIK / UNIT WEIGHT: 68 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 220 m		
320005 İÇ BİNI FİTİLİ 5 mm / INNER STEP GASKET 5 mm BİRİM AĞIRLIK / UNIT WEIGHT: 82 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 183 m		
320006 İÇ BİNI FİTİLİ 6 mm / INNER STEP GASKET 6 mm BİRİM AĞIRLIK / UNIT WEIGHT: 86 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 174 m		
320007 İÇ BİNI FİTİLİ 7 mm / INNER STEP GASKET 7 mm BİRİM AĞIRLIK / UNIT WEIGHT: 91 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 166 m		
320008 İÇ BİNI FİTİLİ 8 mm / INNER STEP GASKET 8 mm BİRİM AĞIRLIK / UNIT WEIGHT: 98 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 153 m		
320009 İÇ BİNI FİTİLİ 9 mm / INNER STEP GASKET 9 mm BİRİM AĞIRLIK / UNIT WEIGHT: 105 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 143 m		
320010 İÇ BİNI FİTİLİ 10 mm / INNER STEP GASKET 10 mm BİRİM AĞIRLIK / UNIT WEIGHT: 115 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 130 m		

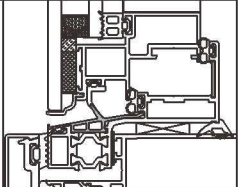
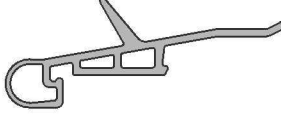
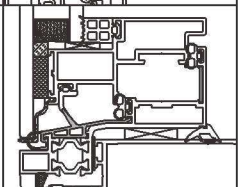
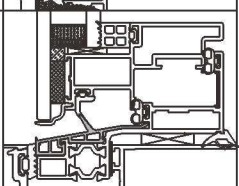
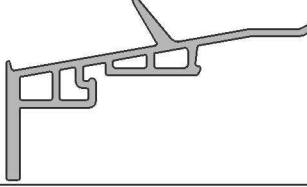
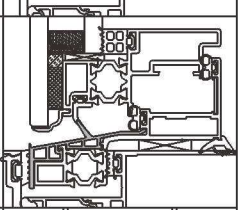
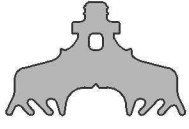
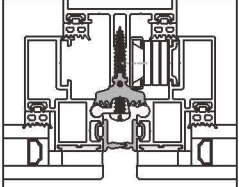
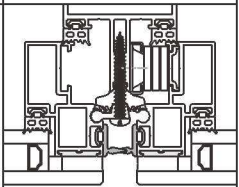
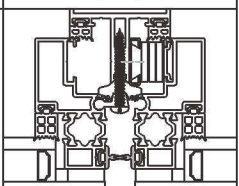
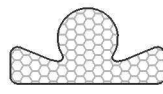
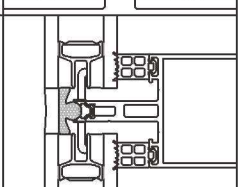
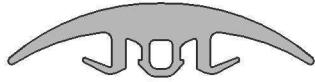
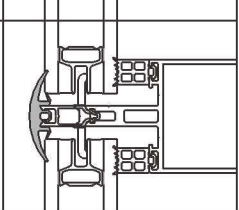
EPDM FİTİLLER / EPDM GASKETS

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320011 İÇ BİNİ FİTİLİ 11 mm / INNER STEP GASKET 11 mm BİRİM AĞIRLIK / UNIT WEIGHT: 125,3 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 120 m		
320012 İÇ BİNİ FİTİLİ 12 mm / INNER STEP GASKET 12 mm BİRİM AĞIRLIK / UNIT WEIGHT: 140,9 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 106 m		
320013 İÇ BİNİ FİTİLİ 13 mm / INNER STEP GASKET 13 mm BİRİM AĞIRLIK / UNIT WEIGHT: 148,6 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 101 m		
320014 İÇ BİNİ FİTİLİ 14 mm / INNER STEP GASKET 14 mm BİRİM AĞIRLIK / UNIT WEIGHT: 157,7 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 95 m		
320015 İÇ BİNİ FİTİLİ 15 mm / INNER STEP GASKET 15 mm BİRİM AĞIRLIK / UNIT WEIGHT: 164,7 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 91 m		
320016 DİŞ BİNİ FİTİLİ 4 mm / OUTER STEP GASKET 4 mm BİRİM AĞIRLIK / UNIT WEIGHT: 88 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 170 m		
320017 AÇILI DİŞ CAM FİTİLİ / ANGULAR OUTER STEP GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 91 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 165 m		
320018 YEKPARE DİŞ BİNİ FİTİLİ / ONE PIECE STEP GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 124 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 121 m		
320019 KAMA FİTİLİ 3 mm / GLAZING SUPPORT GASKET 3 mm BİRİM AĞIRLIK / UNIT WEIGHT: 41 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 365 m		

EPDM FİTİLLER / EPDM GASKETS

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	çizim / DRAWING	TAKILMA BÖLGESİ / APPLICATION AREA
320020 KAMA FİTİLİ 4 mm / GLAZING SUPPORT GASKET 4 mm BİRİM AĞIRLIK / UNIT WEIGHT: 54 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 280 m		
320021 KAMA FİTİLİ 5 mm / GLAZING SUPPORT GASKET 5 mm BİRİM AĞIRLIK / UNIT WEIGHT: 67 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 224 m		
320022 KAMA FİTİLİ 6 mm / GLAZING SUPPORT GASKET 6 mm BİRİM AĞIRLIK / UNIT WEIGHT: 89 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 168 m		
320023 KANAT DESTEK FİTİLİ / SUPPORT GASKET FOR VENT BİRİM AĞIRLIK / UNIT WEIGHT: 54 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 275 m		
320024 KANAT İÇ BİNİ FİTİLİ / INNER STEP GASKET FOR VENT BİRİM AĞIRLIK / UNIT WEIGHT: 40 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 370 m		
320025 TAŞIYICI ÖN FİTİL 3mm / MULLION FRONT GASKET 3mm BİRİM AĞIRLIK / UNIT WEIGHT: 47 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 316 m		
320026 TAŞIYICI ÖN FİTİL 4mm / MULLION FRONT GASKET 4mm BİRİM AĞIRLIK / UNIT WEIGHT: 56 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 266 m		
320027 TAŞIYICI ÖN FİTİL 5mm / MULLION FRONT GASKET 5mm BİRİM AĞIRLIK / UNIT WEIGHT: 58 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 260 m		
320028 TAŞIYICI ÖN FİTİL 7mm / MULLION FRONT GASKET 7mm BİRİM AĞIRLIK / UNIT WEIGHT: 71 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 212 m		

EPDM FİTİLLER / EPDM GASKETS

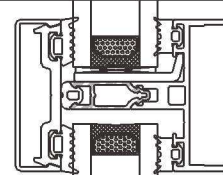
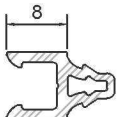
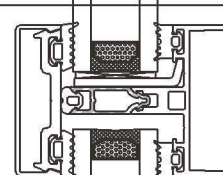
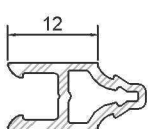
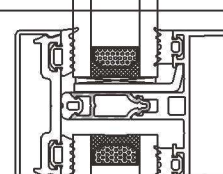
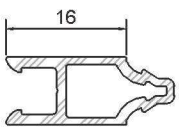
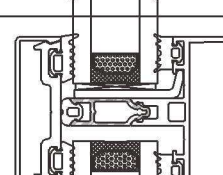
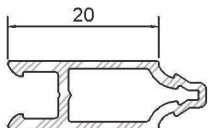
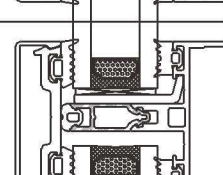
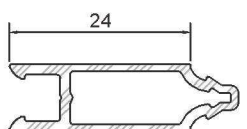
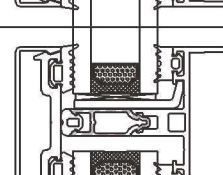
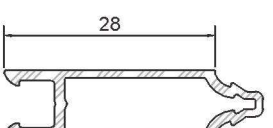
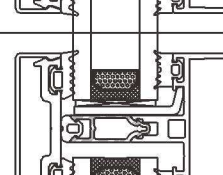
AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	ÇİZİM / DRAWING	TAKILMA BÖLGESİ / APPLICATION AREA
320029 KANAT ÇARŞAF FİTİLİ - 1 / SHEET GASKET FOR VENT BİRİM AĞIRLIK / UNIT WEIGHT: 125 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 120 m		
320030 KANAT ÇARŞAF FİTİLİ - 2 / SHEET GASKET FOR VENT BİRİM AĞIRLIK / UNIT WEIGHT: 153 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 98 m		
320031 KANAT ÇARŞAF FİTİLİ - 3 / SHEET GASKET FOR VENT BİRİM AĞIRLIK / UNIT WEIGHT: 185 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 81 m		
320032 KANAT ÇARŞAF FİTİLİ - 4 / SHEET GASKET FOR VENT BİRİM AĞIRLIK / UNIT WEIGHT: 229 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 66 m		
320055 ORTA BİNİ FİTİLİ / CENTRAL STEP GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 195 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 76 m		
320056 DIŞ TOZLUK FİTİLİ / OUTER SPAT GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 68 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 220 m		
320058 PANEL DIŞ TOZLUK FİTİLİ / FRAME GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 61 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 246 m		
320033 POLİETİLEN DERZ FİTİLİ / POLYETHYLENE SEAM GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 30 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 500 m		
320034 İÇ MEKAN DERZ KAPATMA FİTİLİ / INSIDE SEAM GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 204 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 73 m		

[illegible]

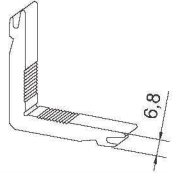
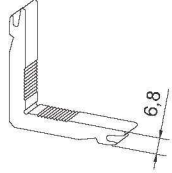
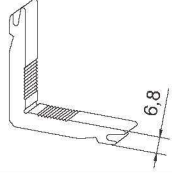
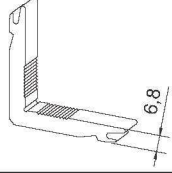
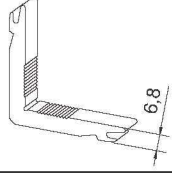
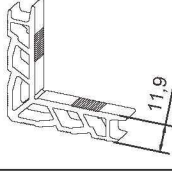
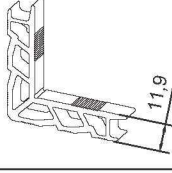
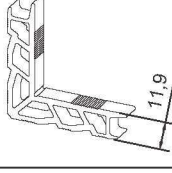
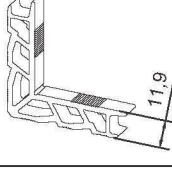
VULKANİZE FİTİLLER / VULCANISED CORNER GASKETS

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	ÇİZİM / DRAWING	TAKILMA BÖLGESİ / APPLICATION AREA
330002 VULKANİZE KÖŞE PARÇASI / VULCANISED CORNER PIECE İLİŞKİLİ FİTİL / RELATED GASKET: 320023		
330003 VULKANİZE KÖŞE PARÇASI / VULCANISED CORNER PIECE İLİŞKİLİ FİTİL / RELATED GASKET: 320024		
330015 ARTI VULKANİZE KÖŞE PARÇASI / PLUS SHAPED VULCANISED CORNER PIECE İLİŞKİLİ FİTİL / RELATED GASKET: 320055		
330016 L VULKANİZE KÖŞE PARÇASI / L SHAPED VULCANISED CORNER PIECE İLİŞKİLİ FİTİL / RELATED GASKET: 320055		
330017 T VULKANİZE KÖŞE PARÇASI / T SHAPED VULCANISED CORNER PIECE İLİŞKİLİ FİTİL / RELATED GASKET: 320055		
330018 DIŞ TOZLUK VULKANİZE KÖŞE PARÇASI / VULCANISED CORNER PIECE FOR THE OUTER SPAT İLİŞKİLİ FİTİL / RELATED GASKET: 320056		
330037 DIŞ TOZLUK VULKANİZE KÖŞE PARÇASI / VULCANISED CORNER PIECE FOR THE OUTER SPAT İLİŞKİLİ FİTİL / RELATED GASKET: 320058		

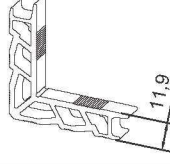
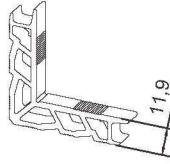
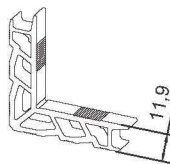
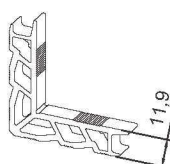
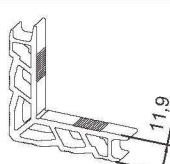
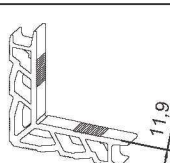
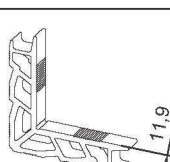
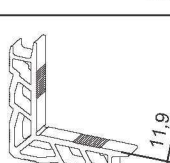
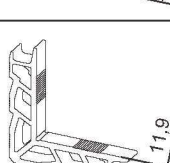
ISI BARİYERLERİ / INSULATION BARS

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	çizim / DRAWING	TAKILMA BÖLGESİ / APPLICATION AREA
340001 TAŞIYICI ÖN İZOLASYON (PVC) 4 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		
340002 TAŞIYICI ÖN İZOLASYON (PVC) 8 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		
340003 TAŞIYICI ÖN İZOLASYON (PVC) 12 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		
340004 TAŞIYICI ÖN İZOLASYON (PVC) 16 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		
340005 TAŞIYICI ÖN İZOLASYON (PVC) 20 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		
340006 TAŞIYICI ÖN İZOLASYON (PVC) 24 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		
340007 TAŞIYICI ÖN İZOLASYON (PVC) 28 MM MULLION OR TRANSOM FRONT ISOLATOR (PVC) MİKTAR / QUANTITY: BOY 6 m /Adet		

KÖŞE TAKOZLARI / CORNER CLEATS

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	ÇİZİM / DRAWING	KESİM ÖLÇÜSÜ / CUTTING DIMENSION
310001 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP520 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 1,974 kg/m.		29,4 mm
310002 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP520 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 1,974 kg/m.		11 mm
310003 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP520 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 1,974 kg/m.		13 mm
310005 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP520 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 1,974 kg/m.		21 mm
310007 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP520 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 1,974 kg/m.		23 mm
310009 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		24,7 mm
310010 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		7 mm
310011 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		26,9 mm
310012 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		17,5 mm

KÖŞE TAKOZLARI / CORNER CLEATS

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	çizim / DRAWING	KESİM ÖLÇÜSÜ / CUTTING DIMENSION
310013 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		26 mm
310014 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		9 mm
310015 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		24,4 mm
310061 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		25,5 mm
310062 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		17 mm
310063 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		24,5 mm
310064 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		16 mm
310065 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		27 mm
310066 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		29,6 mm

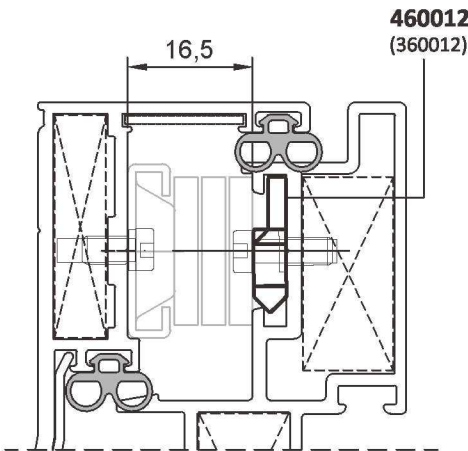
AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	çizim / DRAWING	KESİM ÖLÇÜSÜ / CUTTING DIMENSION
310067 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		28,6 mm
310068 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		19,6 mm
310069 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: 3703 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 0,785 kg/m.		25,5 mm
310113 KÖŞE TAKOZU / CORNER CLEAT PROFİL NUMARASI / PROFILE NUMBER: FP521 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,366 kg/m.		8 mm
350001 KÖŞE ÇAVUŞU / CORNET ALIGNMENT MALZEME / MATERIAL: POLYAMID		16 x 1,5

MAKASLAR / FRICTION STAYS



ÜRÜN KODU PRODUCT CODE	ALTERNATİF YERLİ ÜRÜN KODLARI ALTERNATIVE NATİVE PRODUCT CODES	MAKAS BOYU FRICTION STAY LENGTH (inch)	MAKAS BOYU FRICTION STAY LENGTH (mm)	KANAT AÇMA DERECESİ OPENING ANGLE	MAKS. KANAT YÜKSEKLİĞİ MAX. VENT HEIGHT (mm)	MAKS. KANAT AĞIRLIĞI MAX. VENT WEIGHT (kg)
470001	370001	10"	255	35°	700	50
470002	370002	12"	305	30°/35°	800	60
470003	370003	14"	355	30°/35°	1000	70
470004	370004	16"	405	25°/30°	1200	90
470005	370005	18"	460	25°/30°	1400	100
470006	370006	20"	505	20°/25°	1600	135
470007	370007	22"	560	20°/25°	1700	140
470008	370008	24"	610	20°/25°	1800	145
470009	370009	26"	660	10°/15°/20°	2000	155
470010	370010	28"	710	10°/15°/20°	2500	180

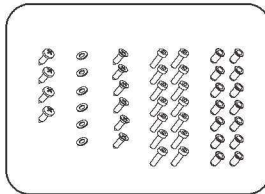
! TABLODA BELİRTİLEN TEKNİK DEĞERLER, İTHAL ÜRÜNLERE AİTTİR. YERLİ ALTERNATİFLERİ İÇİN DEĞERLER FARKLI OLABİLİR.
TECHNICAL VALUES ARE BELONG TO IMPORTED PRODUCTS AS SHOWN AT THE TABLE. VALUES CAN BE DIFFERENT AT THE NATİVE ALTERNATİVES.



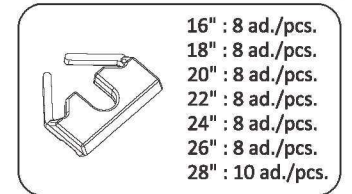
460012
(360012)

* STANDART AKSESUAR SETİNDE YER ALMAYAN 460012 KODLU METRİK PERÇİN VE VİDALARIN KULLANILMASI DURUMUNDA TÜM MAKAS TİPLERİ İÇİN MAKSİMUM KANAT AĞIRLIĞI 180 KG OLUP ÜRETİCİ FIRMA GARANTİSİ ALTINDADIR.
IF USING THE METRIC PIN & SCREWS WITH THE CODE OF 460012 WHICH DOESN'T INCLUDE AT STANDARD ACCESSORY KIT, MAXIMUM CARRIAGE CAPACITY FIXED TO 180 KG FOR ALL FRICTION STAY TYPES.

460012 (360012)
METRİK PERÇİN VE VİDA SETİ
METRIC PIN AND SCREW KIT



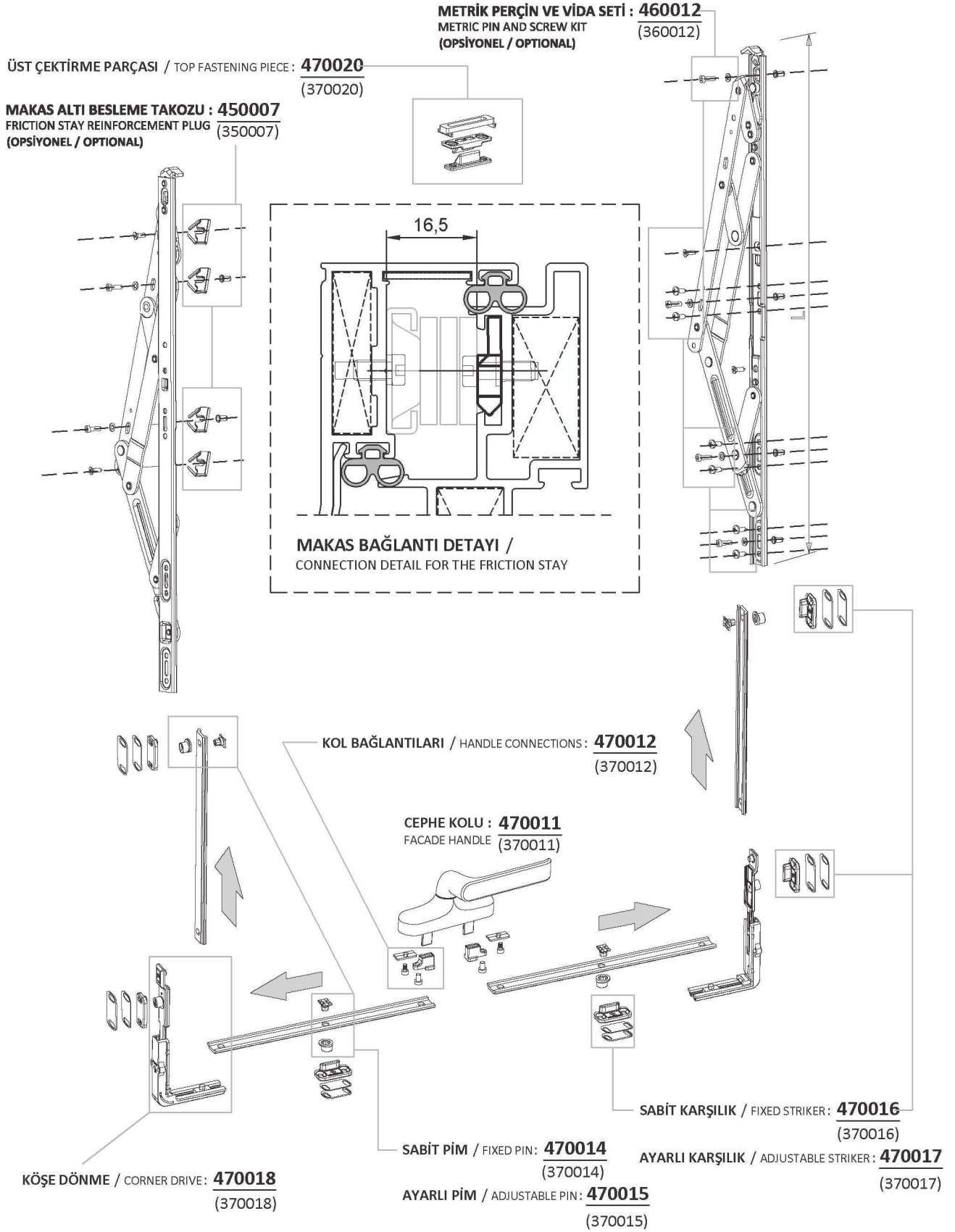
450007 (350007)
MAKAS ALTI BESLEME TAKOZU (PVC)
FRICTION STAY REINFORCEMENT PLUG (PVC)



* () PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
() CODES INTO THE PARENTHESIS BELONG TO NATİVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLİDİR.
ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

KANAT KİTLEME AKSESUARLARI / VENT LOCKING ACCESSORIES



* () PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
() CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLİDİR.
ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

KANAT KİTLEME SETLERİ / VENT LOCKING KITS

480001 (380001)

KANAT YÜKSEKLİĞİ
VENT HEIGHT
600 - 1200 mm

KANAT GENİŞLİĞİ
VENT WIDTH
600 - 1000 mm

480002 (380002)

KANAT YÜKSEKLİĞİ
VENT HEIGHT
1201 - 1600 mm

KANAT GENİŞLİĞİ
VENT WIDTH
1001 - 1200 mm

480003 (380003)

KANAT YÜKSEKLİĞİ
VENT HEIGHT
1601 - 1800 mm

KANAT GENİŞLİĞİ
VENT WIDTH
1201 - 1600 mm

480004 (380004)

KANAT YÜKSEKLİĞİ
VENT HEIGHT
1801 - 2500 mm

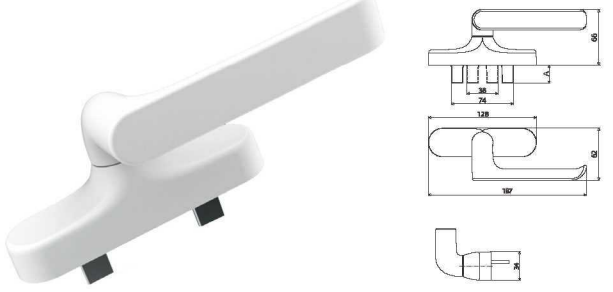
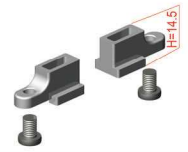
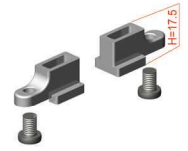
KANAT GENİŞLİĞİ
VENT WIDTH
1601 - 2000 mm

SET KODU / KIT CODE :			480001 (380001)	480002 (380002)	480003 (380003)	480004 (380004)
ÜRÜN KODU PRODUCT CODE	ALTERNATİF YERLİ ÜRÜN KODLARI ALTERNATIVE NATIVE PRODUCT CODES	ÜRÜN ADI PRODUCT NAME	2 NOKTADAN KİTLEME 2 POINTS LOCKING	7 NOKTADAN KİTLEME 7 POINTS LOCKING	10 NOKTADAN KİTLEME 10 POINTS LOCKING	15 NOKTADAN KİTLEME 15 POINTS LOCKING
470011	370011	CEPHE KOLU CURTAIN WALL HANDLE	1 ADET / PCS.	1 ADET / PCS.	1 ADET / PCS.	1 ADET / PCS.
470012	370012	KOL BAĞLANTILARI HANDLE CONNECTIONS	2 ADET / PCS.	2 ADET / PCS.	2 ADET / PCS.	2 ADET / PCS.
470015	370015	AYARLI PİM ADJUSTABLE PIN	2 ADET / PCS.	4 ADET / PCS.	6 ADET / PCS.	10 ADET / PCS.
470017	370017	AYARLI KARŞILIK ADJUSTABLE STRIKER	2 ADET / PCS.	6 ADET / PCS.	8 ADET / PCS.	12 ADET / PCS.
470018	370018	KÖŞE DÖNME CORNER DRIVE	-	2 ADET / PCS.	2 ADET / PCS.	2 ADET / PCS.
470020	370020	ÜST ÇEKTİRME PARÇASI TOP FASTENING PIECE	-	1 ADET / PCS.	2 ADET / PCS.	3 ADET / PCS.

* () PARANTEZ İÇERİSİNDEKİ SET KODLARI YERLİ AKSESUARLARA AİTTİR.
() KIT CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLDİR.
ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

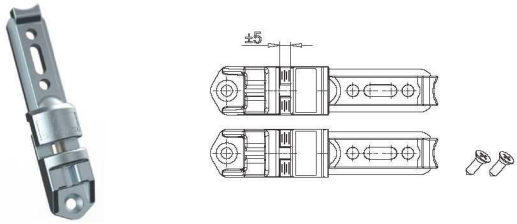
AKSESUARLAR / ACCESSORIES

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	GÖRSELLER / IMAGES
470011 (370011) CEPHE KOLU / FACADE HANDLE	
470051 (370051) ANAHTARLI CEPHE KOLU / FACADE HANDLE WITH KEY	
470052 (370052) SÖKÜLEBİLİR CEPHE KOLU MEKANİZMASI / DETACHABLE FACADE CREMONE MECANISM	
470053 (370053) SÖKÜLEBİLİR CEPHE KOLU SAPI / DETACHABLE FACADE HANDLE	
470012 (370012) CEPHE KOLU BAĞLANTI ELEMANI / FACADE HANDLE FASTENING ELEMENT	 14.5 mm
470013 (370013) CEPHE KOLU BAĞLANTI ELEMANI / FACADE HANDLE FASTENING ELEMENT	 17.5 mm
470014 (370014) SABİT PİM / FIXED PIN	

() PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
() CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLİDİR.
! ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

AKSESUARLAR / ACCESSORIES

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	GÖRSELLER / IMAGES
470015 (370015) AYARLI PİM / ADJUSTABLE PIN	
470016 (370016) SABİT KARŞILIK / FIXED STRIKER	
470017 (370017) AYARLI KARŞILIK / ADJUSTABLE STRIKER	
470018 (370018) KÖŞE DÖNÜŞ AKTARMA PARÇASI / CORNER TRANSFER DEVICE	
470019 (370019) CEPHE MAKASLARI İÇİN YÜKSEKLİK AYAR PARÇASI / HEIGHT ADJUSTMENT PIECE FOR FRICTION STAYS	

* () PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
 () CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLİDİR.
 ! ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

AKSESUARLAR / ACCESSORIES

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	GÖRSELLER / IMAGES
470020 (370020) ÜST ÇEKTİRME PARÇASI / TOP FASTENING PIECE	
470021 (370021) LİMİTLEME MAKASI / LIMITOR ARM	
470023 (370023) TELESKOPİK MAKAS (KÜÇÜK) / TELESCOPIC ARM (SMALL)	
470024 (370024) TELESKOPİK MAKAS (ORTA) / TELESCOPIC ARM (MEDIUM)	
470025 (370025) TELESKOPİK MAKAS (BÜYÜK) / TELESCOPIC ARM (LARGE)	

* () PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
() CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLDİR.
ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

AKSESUARLAR / ACCESSORIES

AKSESUAR KODU VE GÖRSELİ / ACCESSORY CODE AND IMAGE	TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS
 470039 - SİYAH / BLACK 470040 - GRİ / GRAY VASİSTAS VE İŞIKLIK KANATLARI İÇİN AÇMA MOTORU / OPENING MOTOR FOR BOTTOM-HUNG & SKYLIGHT VENTS	ALUTECH SMART (230V AC) MOTOR Ayarlanabilir Açılma Mesafesi : 180 mm ile 380 mm İtme Gücü 200 N Cekme Gücü 250 N Çalışma Hızı 18 mm/sec Maks.Kanat Ağırlığı-Vasistas ve Pivot 50 kg Maks.Kanat Ağırlığı-Yatay ve Çatı Pencerelede 38 kg Kanat Eni 600 - 1250 mm Maksimum Kanat Boyu 2600 mm
 470041 - SİYAH / BLACK 470042 - GRİ / GRAY VASİSTAS VE İŞIKLIK KANATLARI İÇİN AÇMA MOTORU / OPENING MOTOR FOR BOTTOM-HUNG & SKYLIGHT VENTS	ALUTECH SMART (24V DC) MOTOR Ayarlanabilir Açılma Mesafesi : 180 mm ile 380 mm İtme Gücü 200 N Cekme Gücü 250 N Çalışma Hızı 18 mm/sec Maks.Kanat Ağırlığı-Vasistas ve Pivot 50 kg Maks.Kanat Ağırlığı-Yatay ve Çatı Pencerelede 38 kg Kanat Eni 600 - 1250 mm Maksimum Kanat Boyu 2600 mm
 470043 - SİYAH / BLACK 470044 - GRİ / GRAY PARALEL, VASİSTAS VE İŞIKLIK KANATLARI İÇİN MOTOR / MOTOR FOR PARALEL, BOTTOM-HUNG & SKYLIGHT VENTS	ALUTECH LIVIN L25 (230V AC) MOTOR Ayarlanabilir Açılma Mesafesi : 200 mm ile 380 mm İtme Gücü 250 N Cekme Gücü 250 N Çalışma Hızı 18 mm/sec Maks.Kanat Ağırlığı-Vasistas ve Pivot 60 kg Maks.Kanat Ağırlığı-Yatay ve Çatı Pencerelede 45 kg Kanat Eni 450 - 1250 mm Maksimum Kanat Boyu 2600 mm
 470045 - SİYAH / BLACK 470046 - GRİ / GRAY PARALEL, VASİSTAS VE İŞIKLIK KANATLARI İÇİN MOTOR / MOTOR FOR PARALEL, BOTTOM-HUNG & SKYLIGHT VENTS	ALUTECH LIVIN L35 (24V DC) MOTOR Ayarlanabilir Açılma Mesafesi : 200 mm ile 380 mm İtme Gücü 250 N Cekme Gücü 250 N Çalışma Hızı 18 mm/sec Maks.Kanat Ağırlığı-Vasistas ve Pivot 80 kg Maks.Kanat Ağırlığı-Yatay ve Çatı Pencerelede 65 kg Kanat Eni 450 - 1250 mm Maksimum Kanat Boyu 2600 mm
 470047 - GRİ / GRAY PARALEL, VASİSTAS VE İŞIKLIK KANATLARI İÇİN MOTOR / MOTOR FOR PARALEL, BOTTOM-HUNG & SKYLIGHT VENTS	ALUTECH FAST 50 (230V AC) MOTOR Ayarlanabilir Açılma Mesafesi : 300 mm İtme Gücü 500 N Cekme Gücü 500 N Çalışma Hızı 23 mm/sec Maks.Kanat Ağırlığı-Vasistas ve Pivot 160 kg Maks.Kanat Ağırlığı-Yatay ve Çatı Pencerelede . . . 90 kg Kanat Eni 200 - 1250 mm Maksimum Kanat Boyu 2600 mm

* () PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
() CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLİDİR.
ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

AKSESUARLAR / ACCESSORIES

AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	GÖRSELLER / IMAGES
 470048 - GRİ / GRAY PARALEL, VASİSTAS VE İŞIKLIK KANATLARI İÇİN MOTOR / MOTOR FOR PARALEL, BOTTOM-HUNG & SKYLIGHT VENTS	ALUTECH AIRWIN A 65 (230V AC) MOTOR Ayarlanabilir Açılma Mesafesi : 550 mm İtme Gücü: 650 N Cekme Gücü: 650 N Çalışma Hızı: 10 mm/sec Maks.Kanat Ağırlığı-Vasistas ve Pivot: 120 kg Maks.Kanat Ağırlığı-Yatay ve Çatı Pencerelede ..: 120 kg Kanat Eni: 200 - 1250 mm Maksimum Kanat Boyu: 2600 mm
470049 ALUTECH GNS 02A - 2 KANAL UZAKTAN KUMANDA / ALUTECH GNS 02A - 2 CHANNEL REMOTE CONTROL	
470050 ALUTECH GNS 202 / 220V - UZAKTAN KUMANDA ALICISI / ALUTECH GNS 202 / 220V - REMOTE CONTROL RECEIVER	

* () PARANTEZ İÇERİSİNDEKİ KODLAR YERLİ AKSESUARLARA AİTTİR.
() CODES INTO THE PARENTHESIS BELONG TO NATIVE ACCESSORIES.

! BU SAYFADA BELİRTİLEN AKSESUAR GÖRSELLERİ TEMSİLİDİR.
ACCESSORY IMAGES ARE REPRESENTATIVE AT THIS PAGE.

MONTAJ TALİMATLI

AKSESUARLAR

ACCESSORIES WITH

FABRICATION MANUAL

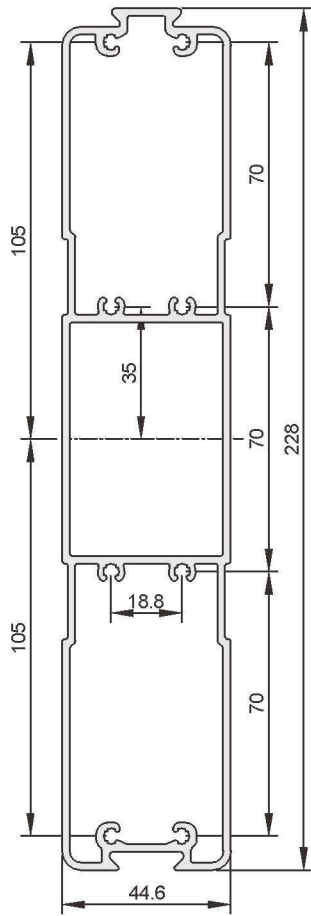
1. DİLATASYON BAĞLANTILARI /
DILATATION CONNECTIONS
2. U BAĞLANTILAR / U CONNECTIONS
3. YATAY KAYIT CONTALARI /
TRANSOM CONNECTION PLUGS
4. KONDENS YOLU İÇİN BAĞLANTI PARÇASI
CON. PIECE FOR THE CONDENSATION LINE
5. ÇÖRTEN / WATERSPOUT
6. CAM ALTI DESTEK PARÇALARI /
GLAZING SUPPORT PIECES
7. KANAT İÇİN CAM ALTI DESTEK PARÇALARI /
GLAZING SUPPORT PIECES FOR VENT
8. STANDART CAM ARASI KİTLEME PARÇALARI /
LOCKING PIECES FOR THE STANDARD SPACER
9. SICAK KENAR ÇİTALI KİTLEME PARÇALARI /
LOCKING PIECES FOR WARM EDGE SPACER
10. VULKANİZE İÇ KÖŞE PARÇALARI /
VULCANISED INNER CORNER PIECES
11. TAHLİYE DELİK ŞEMALARI /
SCHEMAS OF THE DRAINAGE HOLES
12. ANKRAJLAR /
ANCHORAGES
13. GÜNEŞ KIRICI TAŞIYICI APARATI /
CARRIER APPARATUS FOR SUNBREAKER
14. KÖŞE TAKOZU BİRLEŞİM DETAYLARI /
CORNER CLEAT CONECTION DETAILS

► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

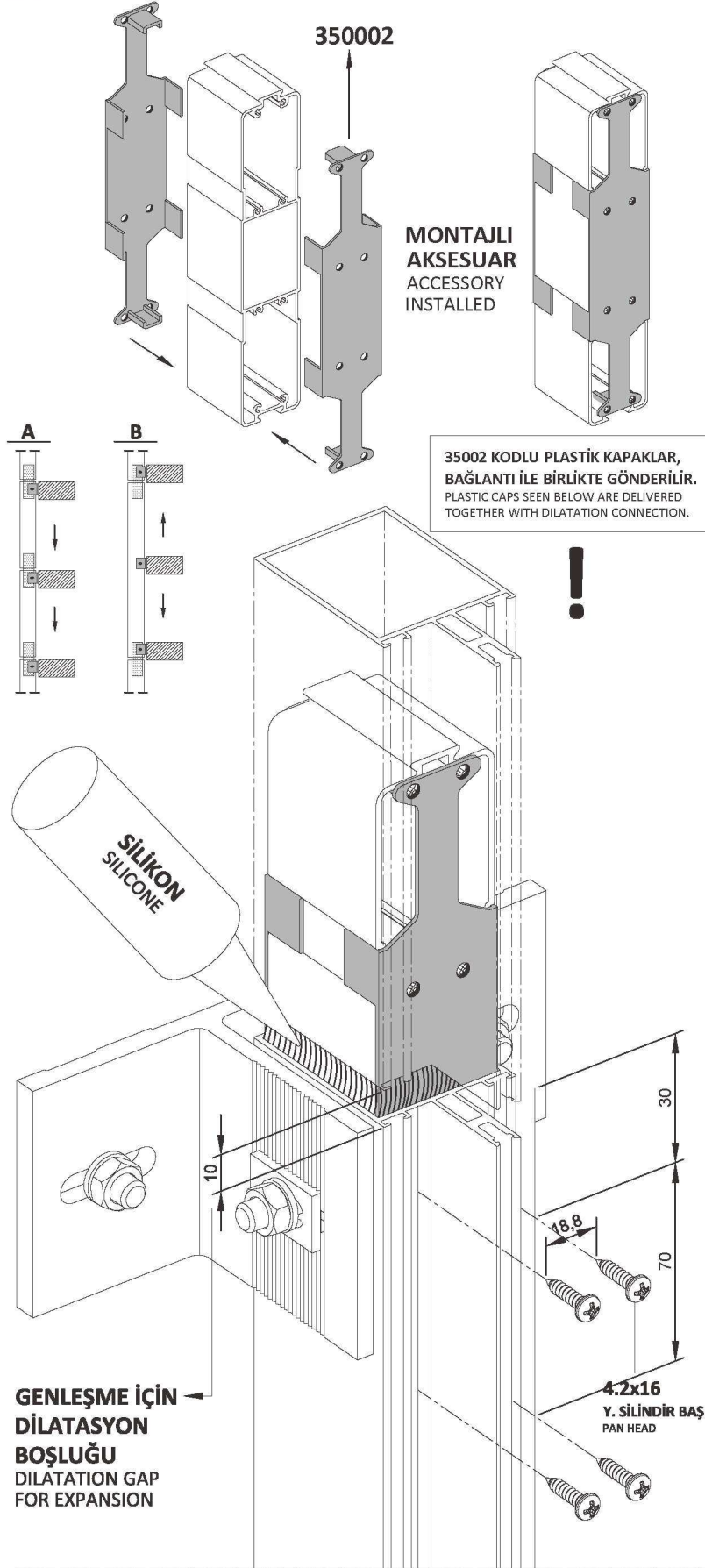
DİLATASYON BAĞLANTILARI

DILATATION CONNECTIONS

AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING DIMENSION
310071	24 mm
310072	41,5 mm
310073	61,5 mm
310074	81,5 mm
310075	101 mm
310076	121 mm
310077	141 mm
310078	161 mm
310079	181 mm



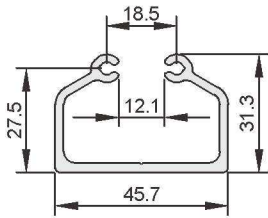
FP501 (3,864 kg/m.)



SABİT U BAĞLANTILAR

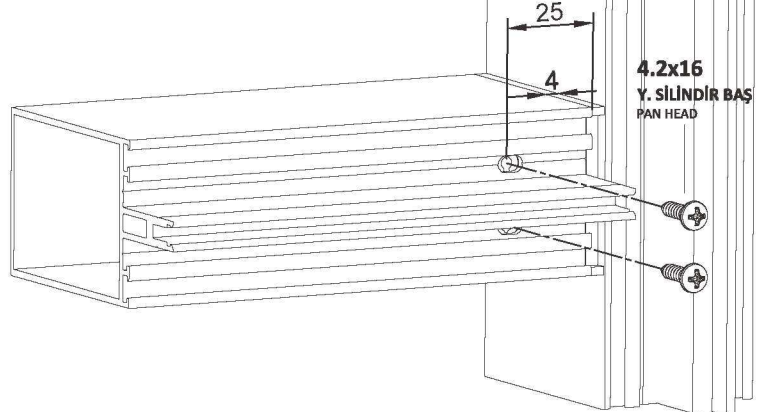
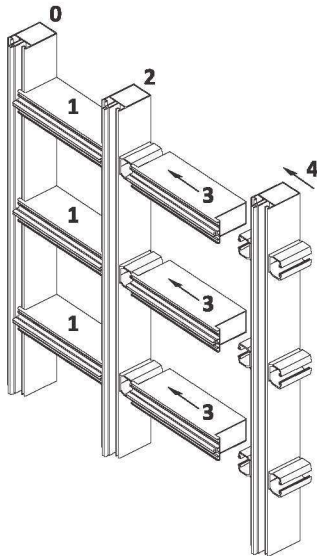
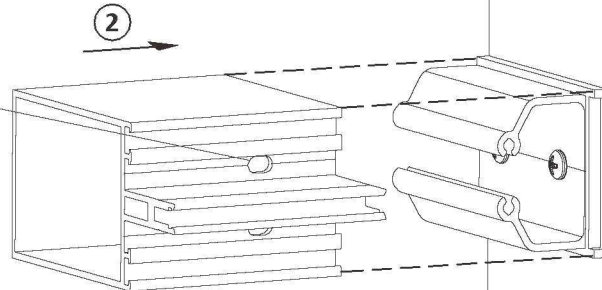
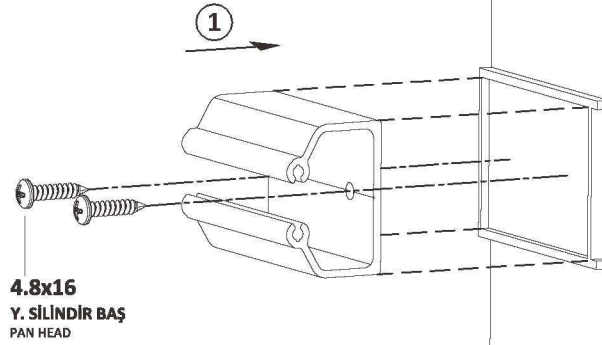
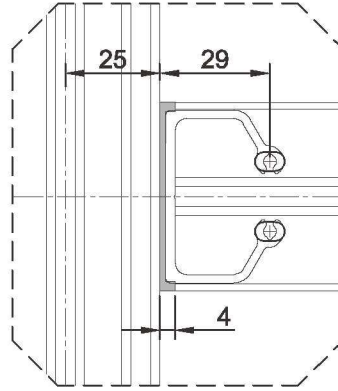
FIXED U CONNECTIONS

AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING DIMENSION
310080	26,5 mm
310081	46,4 mm
310082	66,4 mm
310083	86,4 mm
310084	106 mm
310085	126 mm
310086	146 mm
310087	166 mm
310088	186 mm



FP511 (0,821 kg/m.)

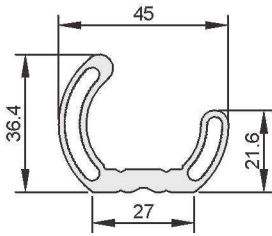
SLOT DELİK ÖLÇÜLERİ SLOT HOLE DIMENSIONS



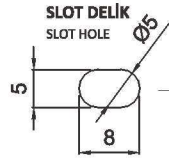
AÇILI U BAĞLANTILAR

ANGULAR U CONNECTIONS

AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING DIMENSION
310330	26,5 mm
310331	46,4 mm
310332	66,4 mm
310333	86,4 mm
310334	106 mm
310335	126 mm
310336	146 mm
310337	166 mm
310338	186 mm



FP514 (0,947 kg/m.)



4.8x16
Y. HAVŞA BAŞ
COUNTERSUNK

4.8x16
Y. SİLİNDİR BAŞ
PAN HEAD

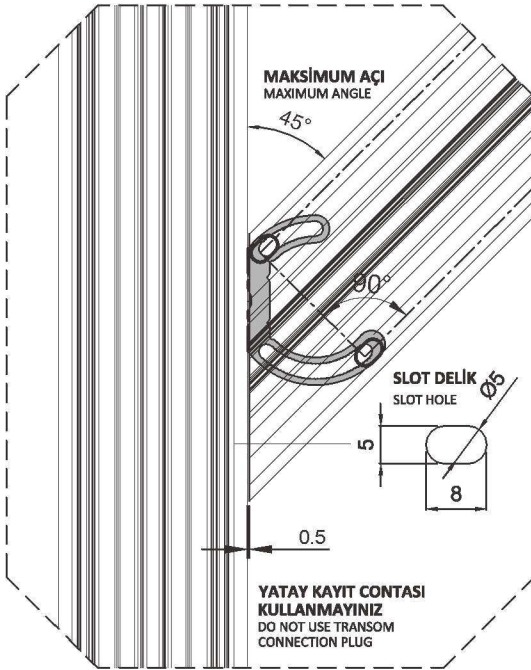
15°

30°

45°

45° KAYIT BAĞLANTI ÖRNEĞİ

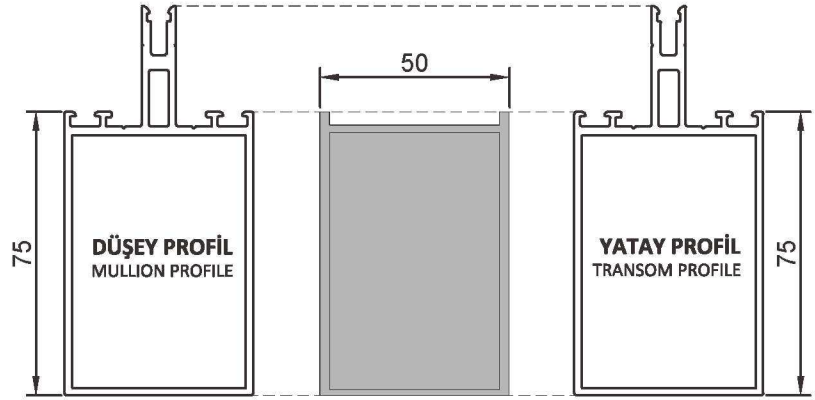
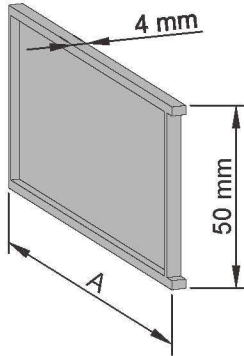
45° TRANSOM CONNECTION SAMPLE



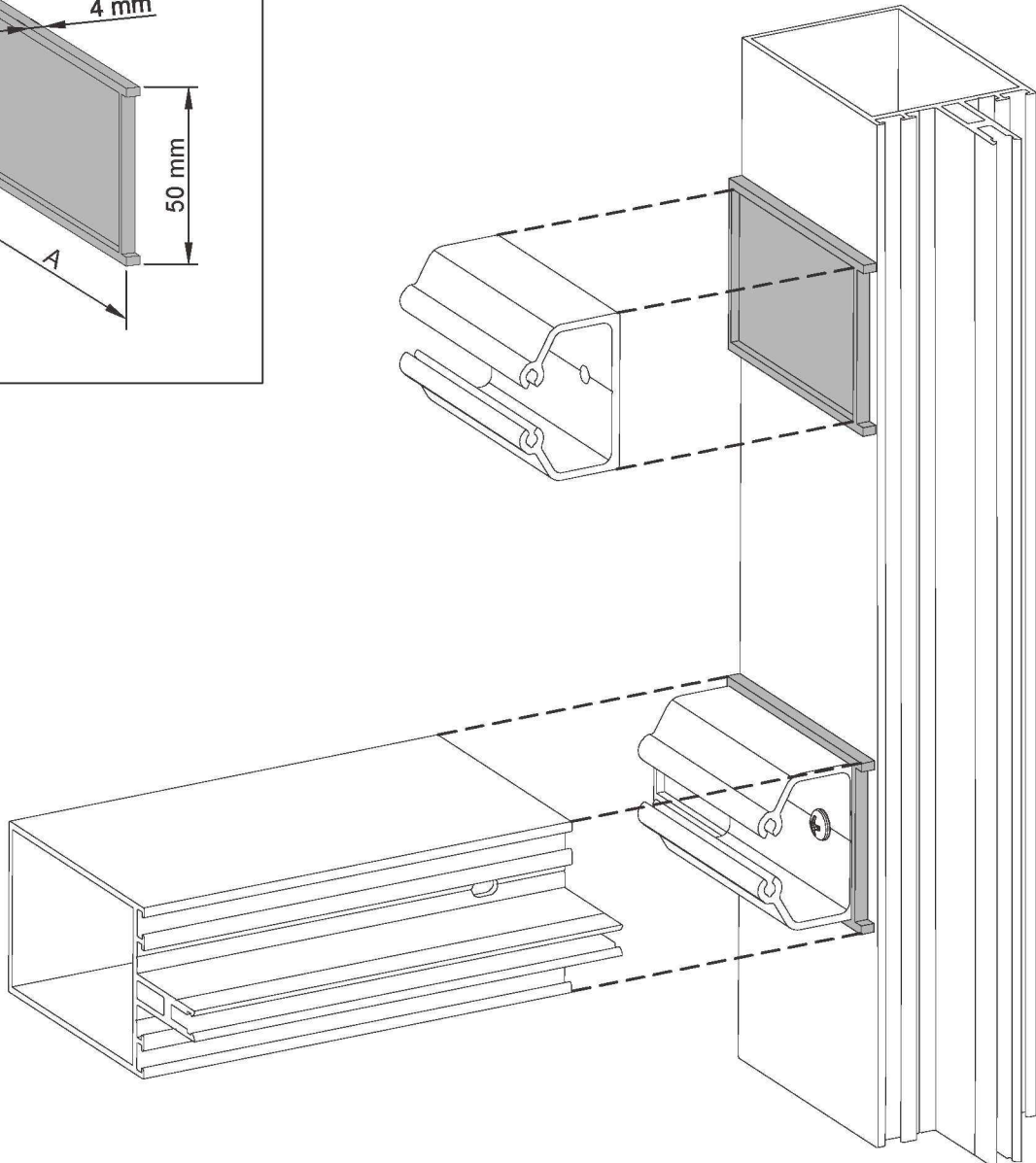
SABİT YATAY KAYIT CONTALARI

FIXED TRANSOM CONNECTION PLUGS

AKSESUAR KODU ACCESSORY CODE	A (mm)
330019	35 mm
330020	55 mm
330021	75 mm
330022	95 mm
330023	115 mm
330024	135 mm
330025	155 mm
330026	175 mm
330027	195 mm



YATAY KAYIT CONTASI
TRANSOM CONNECTION PLUG

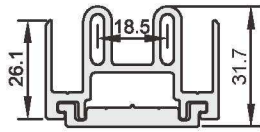


KIRLANGIÇ U BAĞLANTILAR

MOVABLE U CONNECTIONS

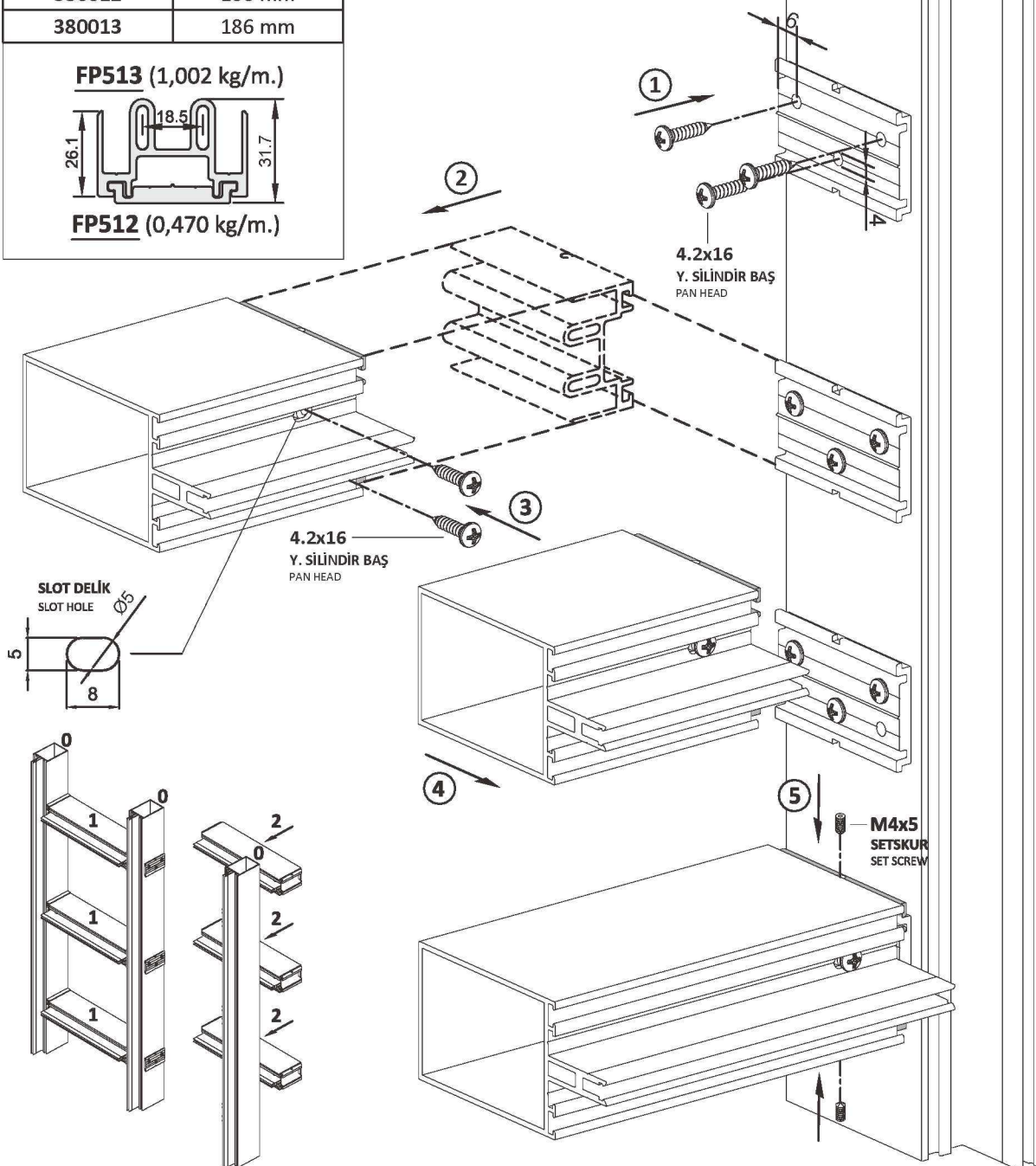
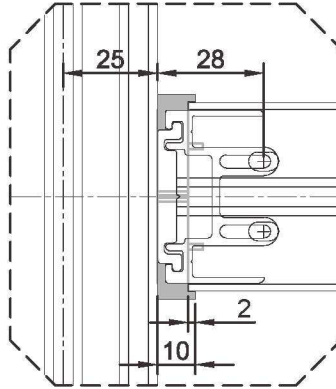
AKSESUAR KODU ACCESSORY CODE	KESİM ÖLÇÜSÜ CUTTING DIMENSION
380005	26,5 mm
380006	46,4 mm
380007	66,4 mm
380008	86,4 mm
380009	106 mm
380010	126 mm
380011	146 mm
380012	166 mm
380013	186 mm

FP513 (1,002 kg/m.)



FP512 (0,470 kg/m.)

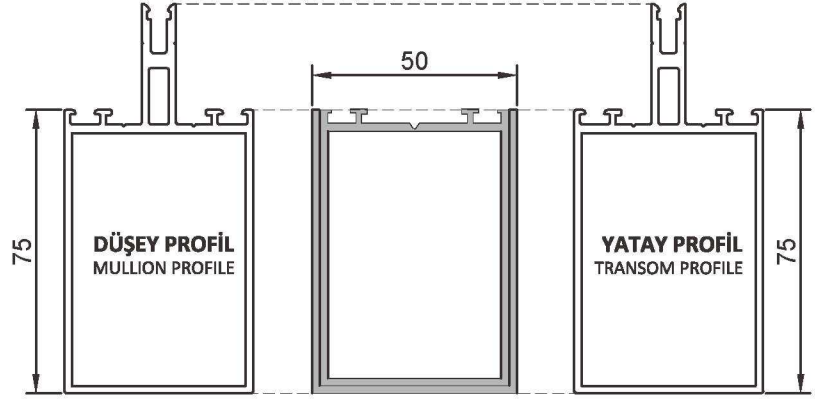
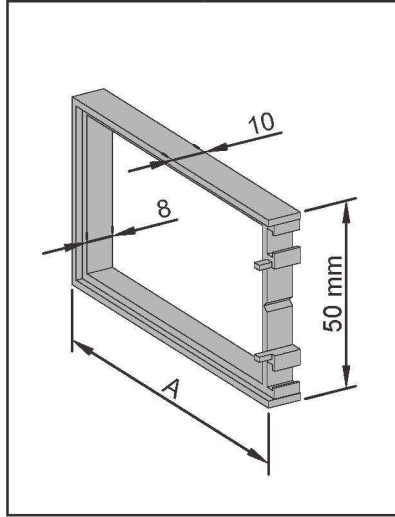
SLOT DELİK ÖLÇÜLERİ
SLOT HOLE DIMENSIONS



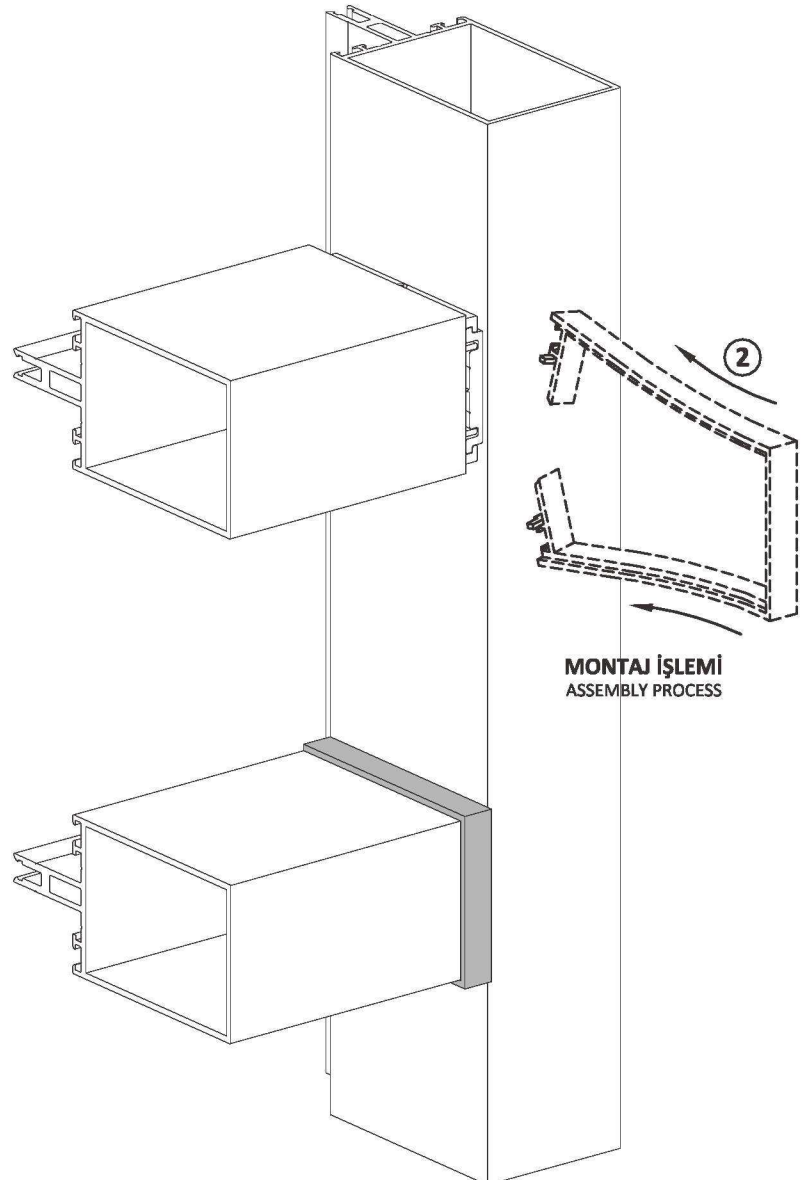
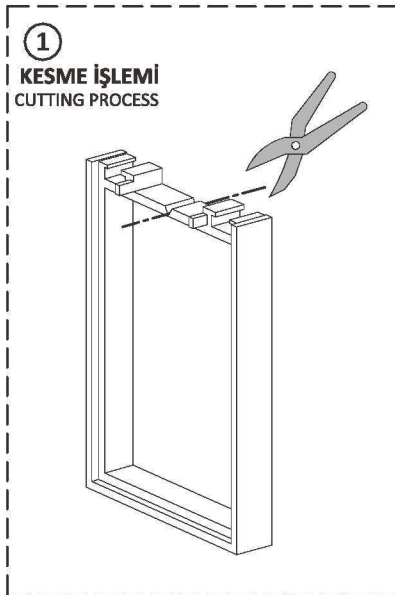
KIRLANGIÇ YATAY KAYIT CONTALARI

MOVABLE TRANSOM CONNECTION PLUGS

AKSESUAR KODU ACCESSORY CODE	A (mm)
330028	35 mm
330029	55 mm
330030	75 mm
330031	95 mm
330032	115 mm
330033	135 mm
330034	155 mm
330035	175 mm
330036	195 mm

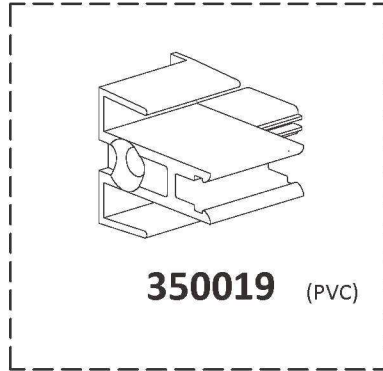


YATAY KAYIT CONTASI
TRANSOM CONNECTION PLUG

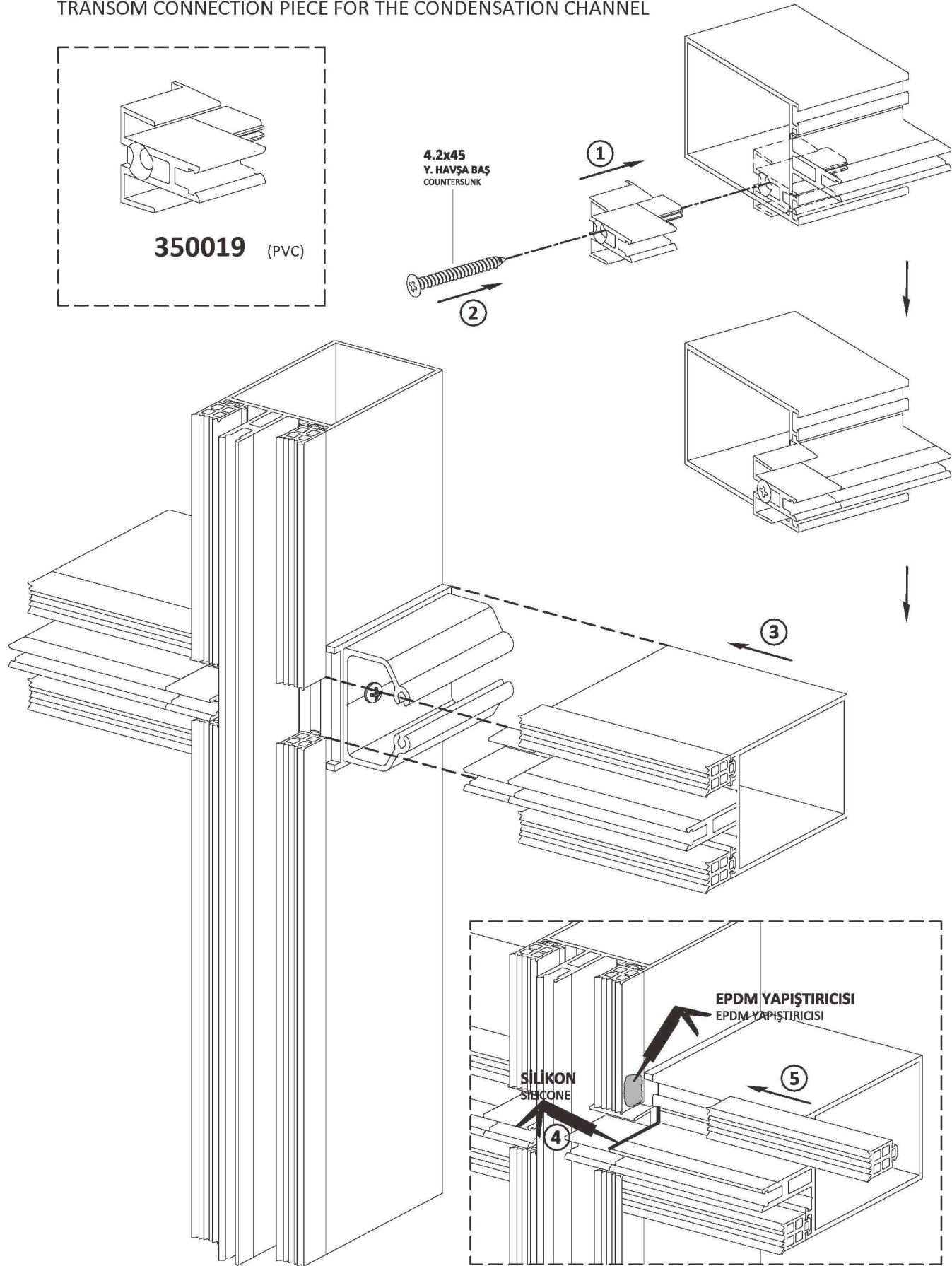


KONDENS YOLU İÇİN KAYIT BAĞLANTI PARÇASI

TRANSOM CONNECTION PIECE FOR THE CONDENSATION CHANNEL

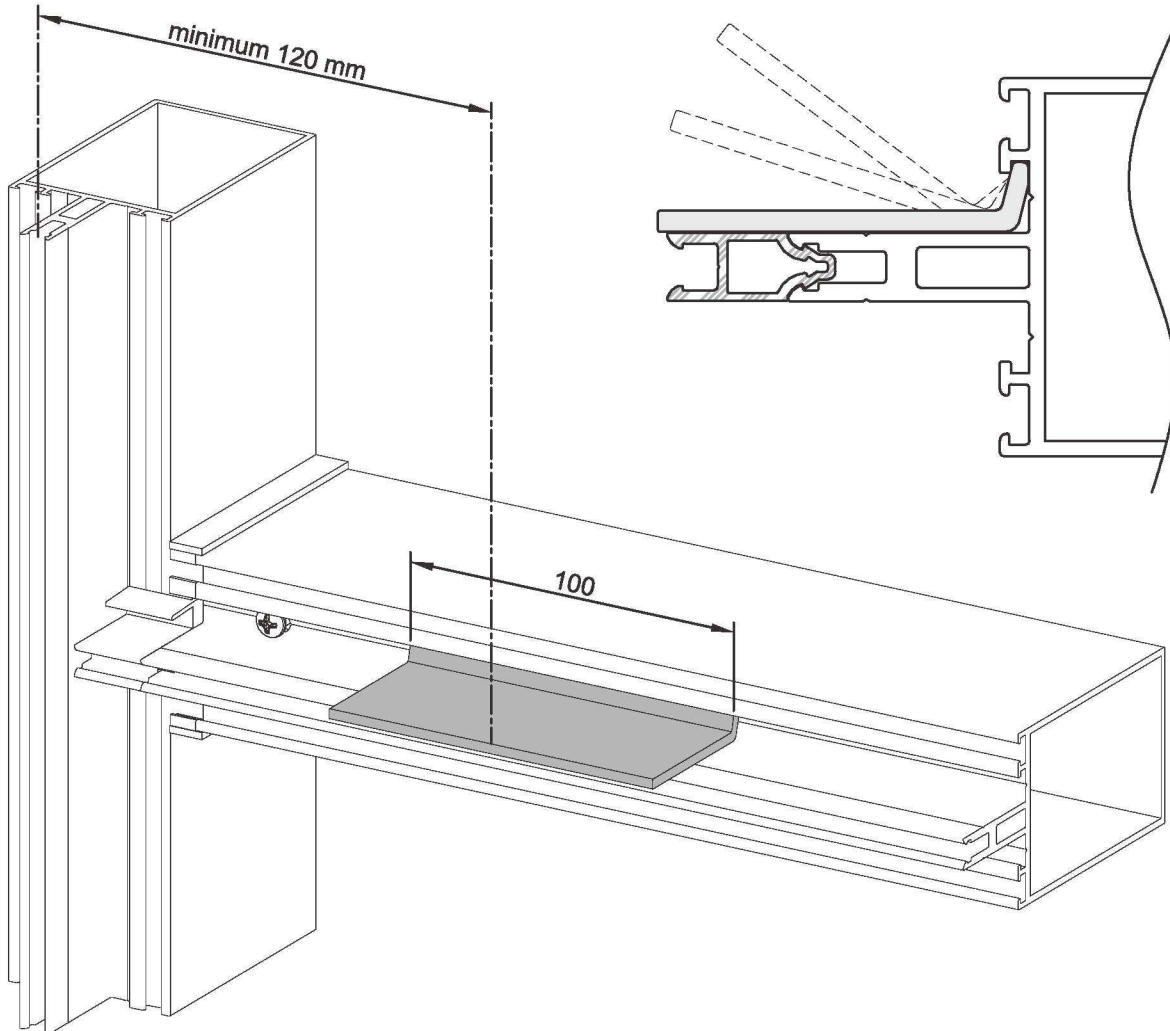
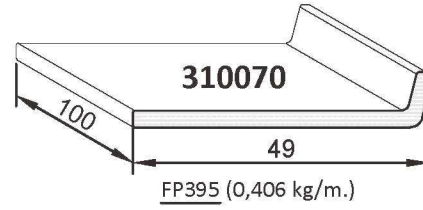
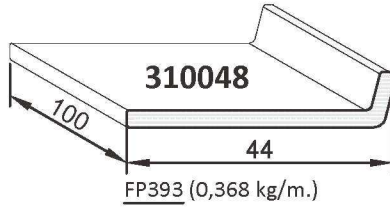
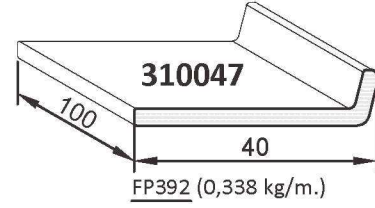
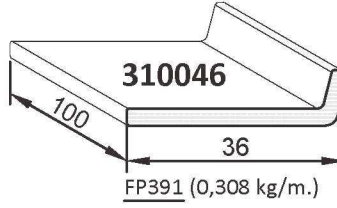
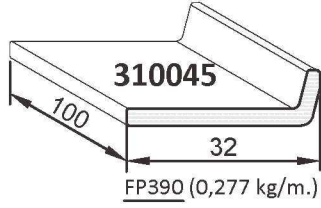


4.2x45
Y. HAVŞA BAŞ
COUNTERSUNK



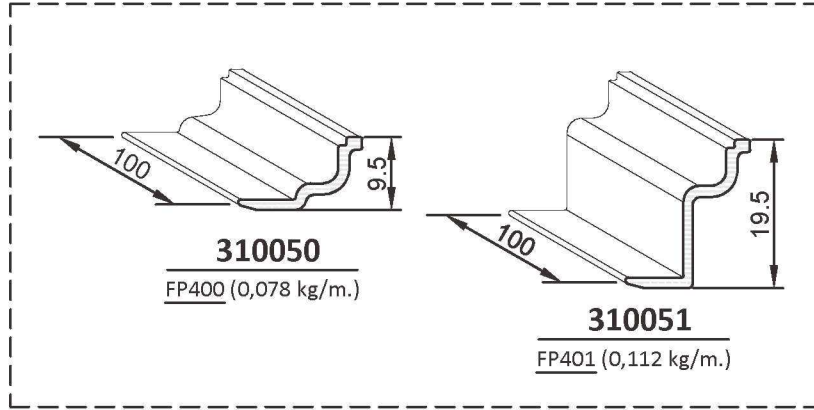
CAM ALTI DESTEK PARÇALARI

GLAZING SUPPORT PIECES

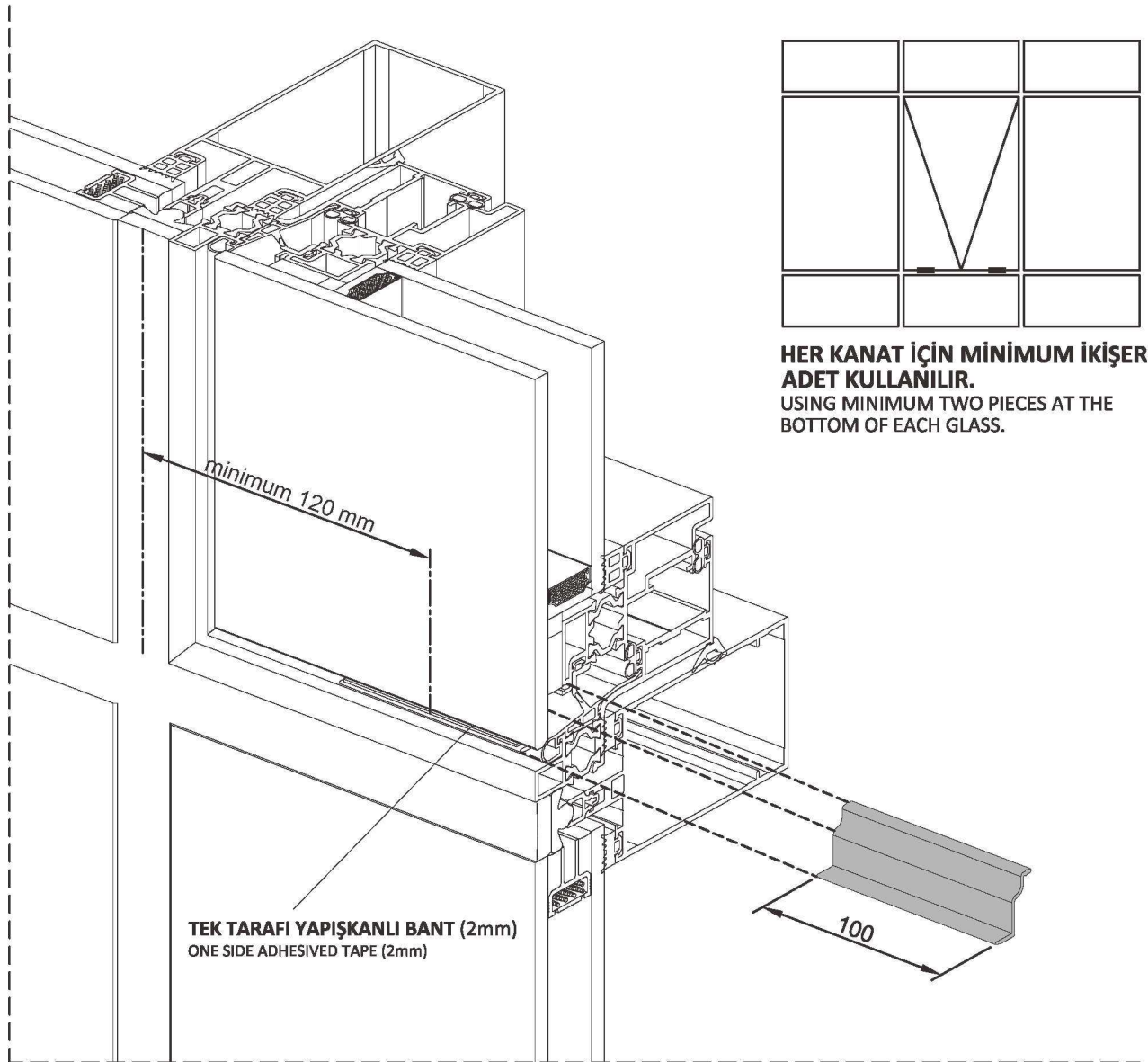


KANAT İÇİN CAM ALTI DESTEK PARÇALARI

GLAZING SUPPORT PIECES FOR VENT



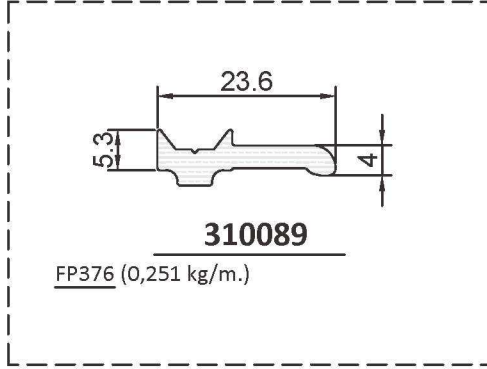
CAM ALTI DESTEK PARÇALARI, KANAT KÖŞELERİ PRESLENMEDEN ÖNCE TAKILMALIDIR.
GLAZING SUPPORTS SHOULD BE INSTALLED BEFORE THE CORNER CLEAT JOINTS OF VENT APPLIED.



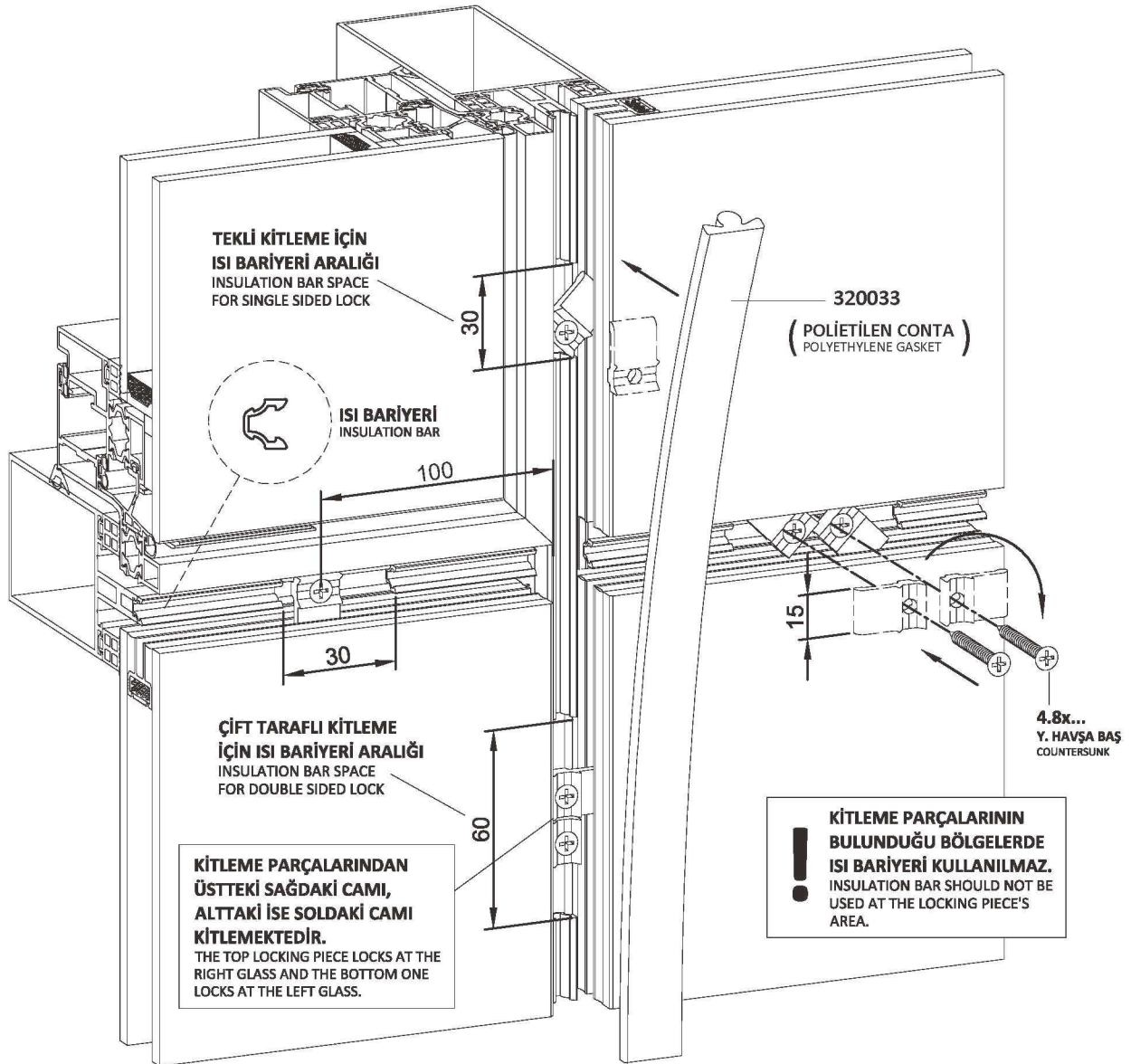
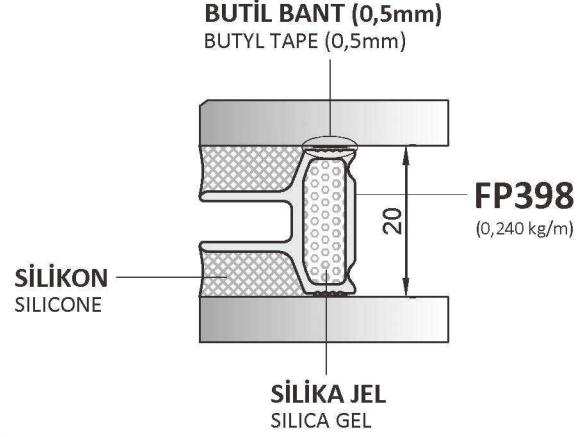
HER KANAT İÇİN MİNİMUM İKİŞER ADET KULLANILIR.
USING MINIMUM TWO PIECES AT THE BOTTOM OF EACH GLASS.

STANDART 20mm ISICAM ÇITALI CAM ARASI KİTLEME PARSI

LOCKING PIECE FOR THE STANDARD 20mm DOUBLE GLAZED GLASS SPACER



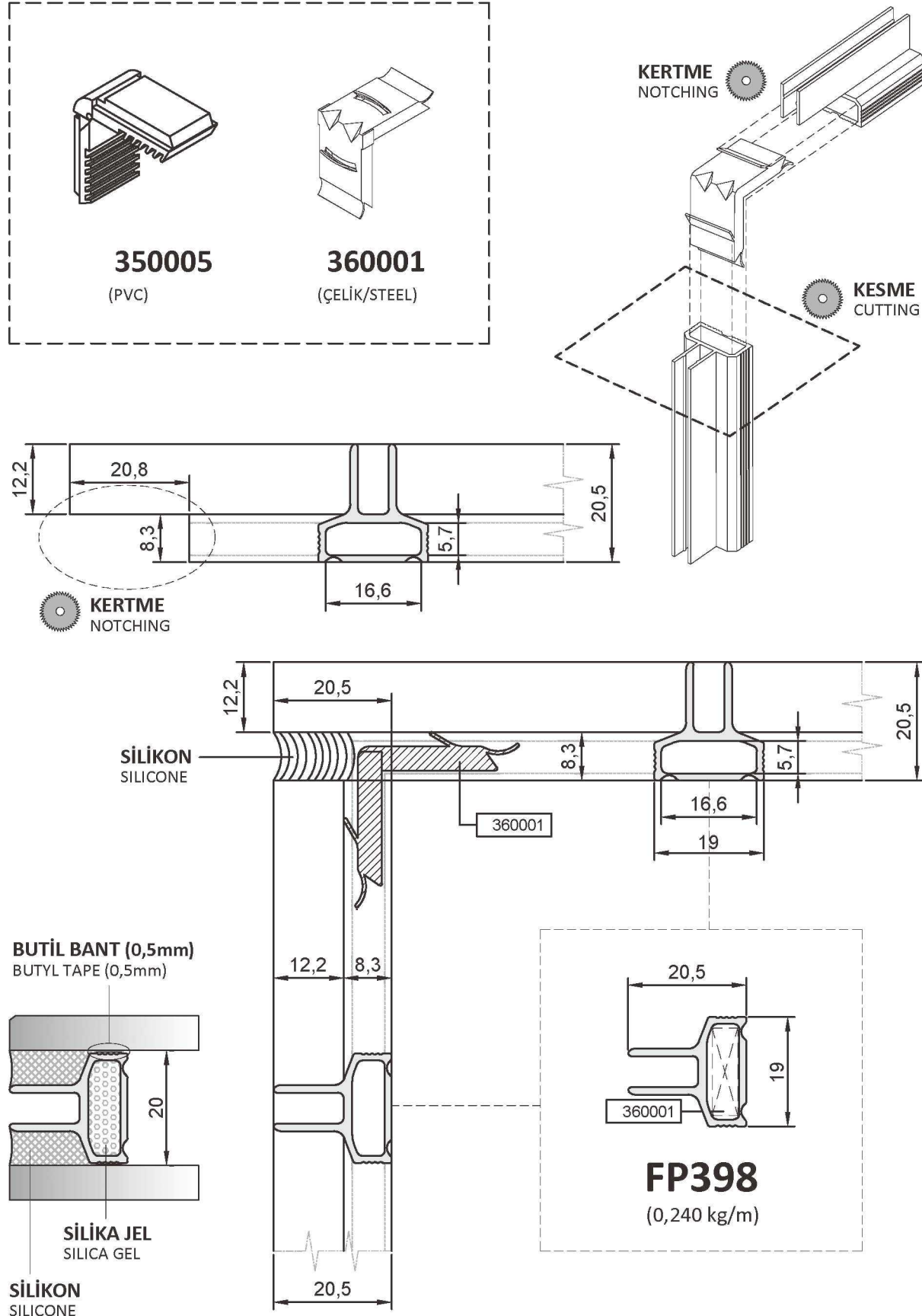
! MAKSİMUM 30 CM'DE BİR UYGULANMALIDIR.
SHOULD BE APPLIED MAXIMUM 30 CM GAP BETWEEN EACH OTHER.



! AYNI CAM MODÜLÜNDEKİ KİTLEMELER ARASI MESAFE YAKLAŞIK 30 CM OLMALIDIR.
DISTANCE BETWEEN LOCKING PIECES SHOULD BE APPROXIMATELY 30 CM AT THE SAME GLASS MODULE.

STANDART 20mm ISICAM ÇITASI İÇİN KÖŞE BİRLEŞTİRME METODU

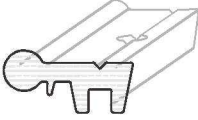
CORNER CONNECTION METHOD FOR THE STANDARD 20mm DOUBLE GLAZED GLASS SPACER



KASET SABİTLEME PARÇALARI

FIXING PIECES FOR STRUCTURAL CELLS

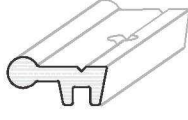
SABİT KİTLEME
FIXED LOCKING



310090

FP396 (0,196 kg/m.)

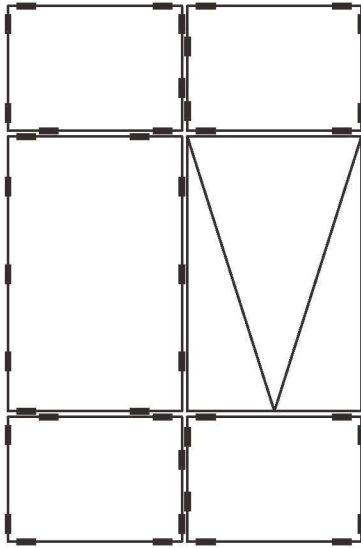
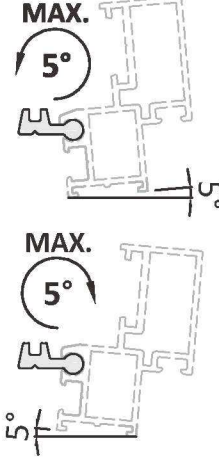
HAREKETLİ KİTLEME
MOVE LOCKING



310091

FP397 (0,192 kg/m.)

31091 HAREKET AÇILARI
31091 MOVING ANGLES

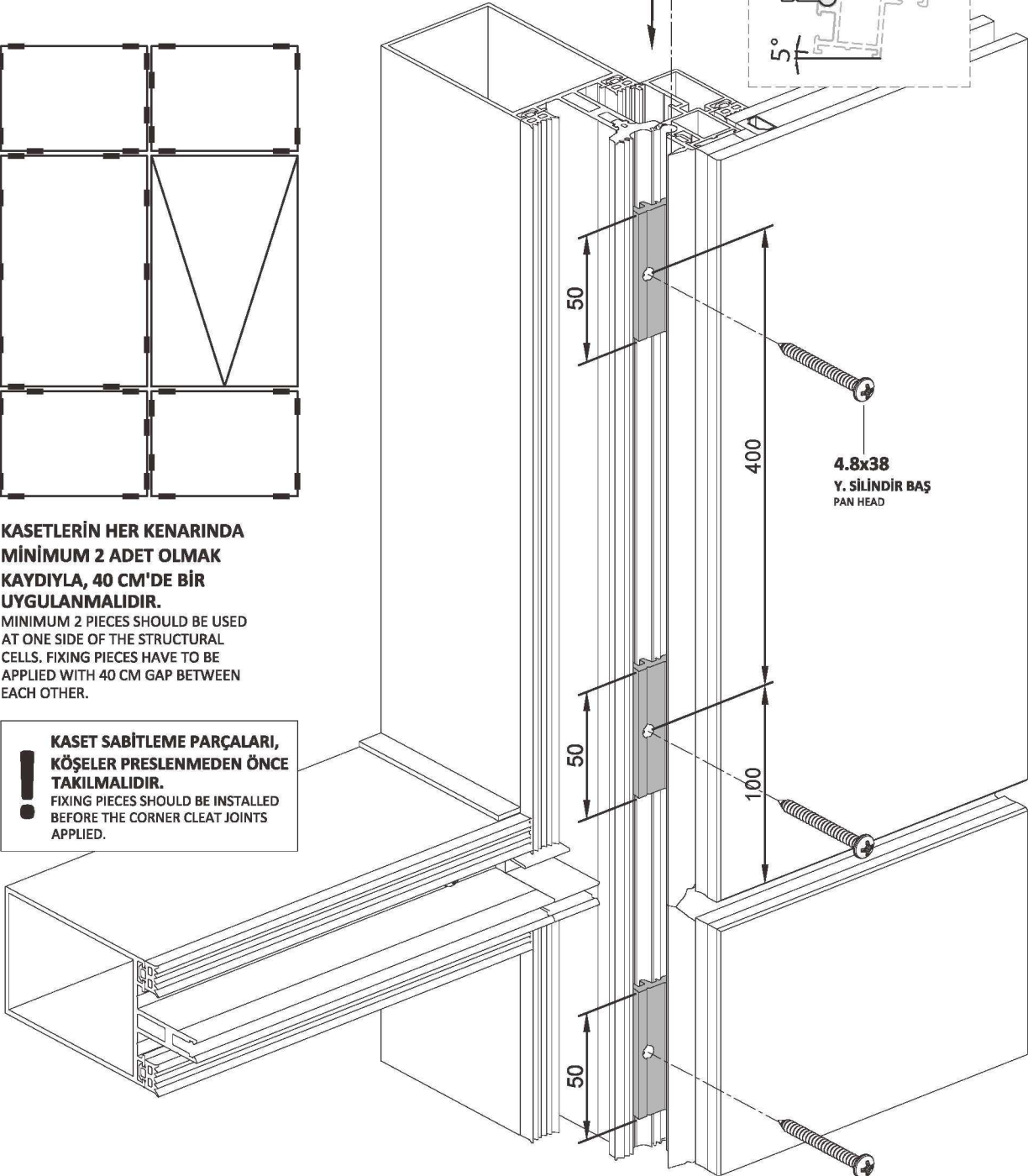


**KASETLERİN HER KENARINDA
MİNİMUM 2 ADET OLMAK
KAYDIYLA, 40 CM'DE BİR
UYGULANMALIDIR.**

MINIMUM 2 PIECES SHOULD BE USED
AT ONE SIDE OF THE STRUCTURAL
CELLS. FIXING PIECES HAVE TO BE
APPLIED WITH 40 CM GAP BETWEEN
EACH OTHER.

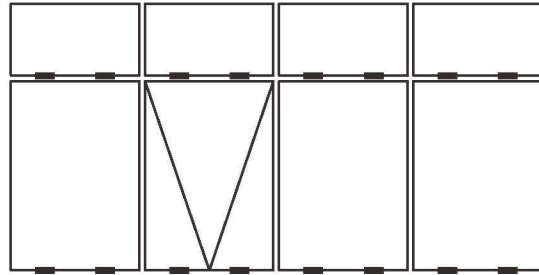
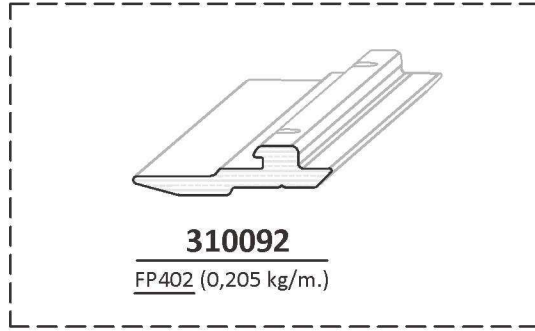
**KASET SABİTLEME PARÇALARI,
KÖŞELER PRESLENMEDEN ÖNCE
TAKILMALIDIR.**

FIXING PIECES SHOULD BE INSTALLED
BEFORE THE CORNER CLEAT JOINTS
APPLIED.



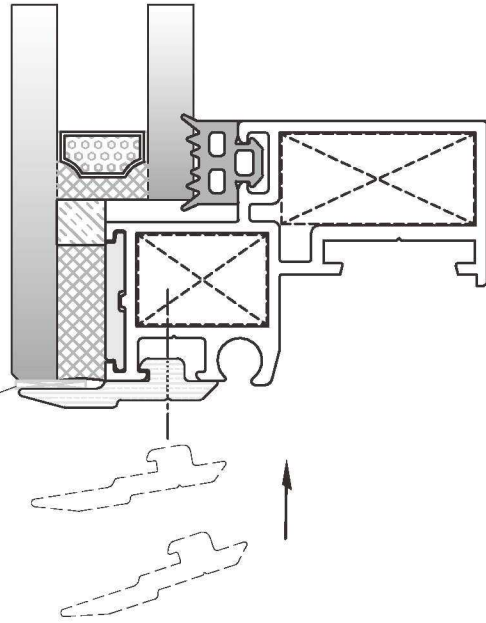
KASET CAM ALTI DESTEK PARÇASI

GLAZING SUPPORT PIECE FOR STRUCTURAL CELLS

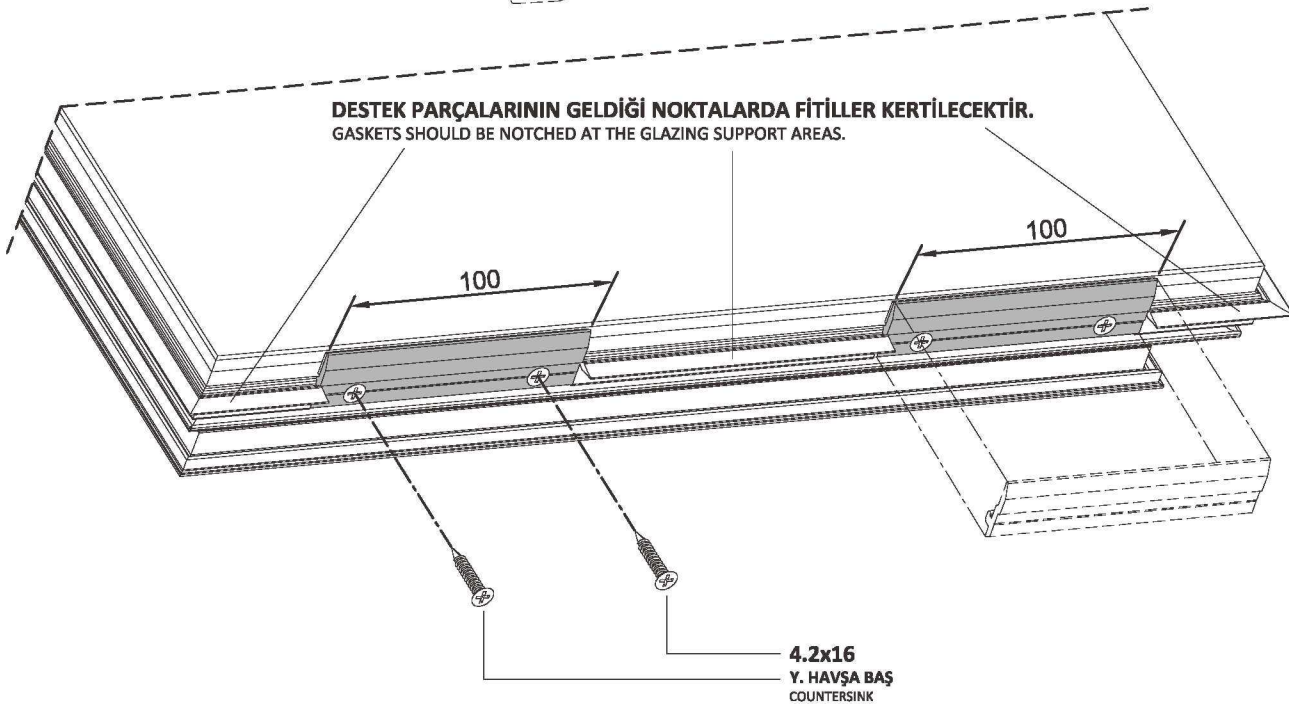


TÜM KASETLERİN ALTINDA İKİŞER ADET KULLANILIR.
USING TWO PIECES AT THE BOTTOM OF THE STRUCTURAL CELLS.

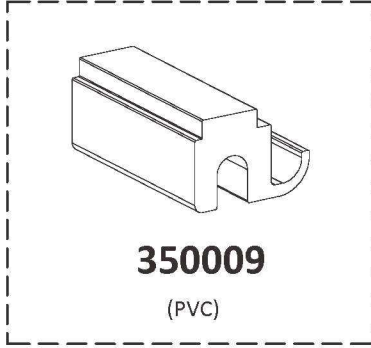
1,6mm TEK TARAFLI YAPIŞKANLI BANT
1,6mm ONE SIDED TAPE



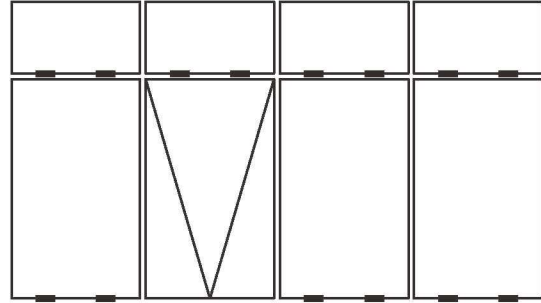
DESTEK PARÇALARININ GELDİĞİ NOKTALARDA FİTİLLER KERTİLECEKTİR.
GASKETS SHOULD BE NOTCHED AT THE GLAZING SUPPORT AREAS.



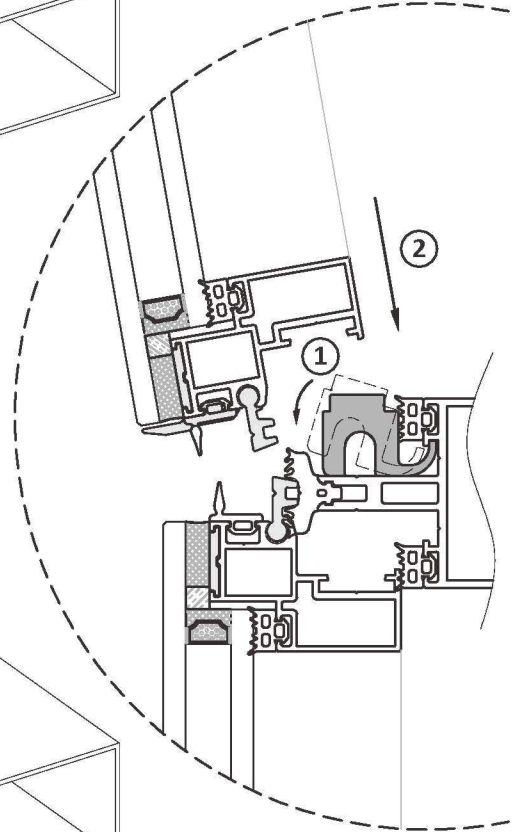
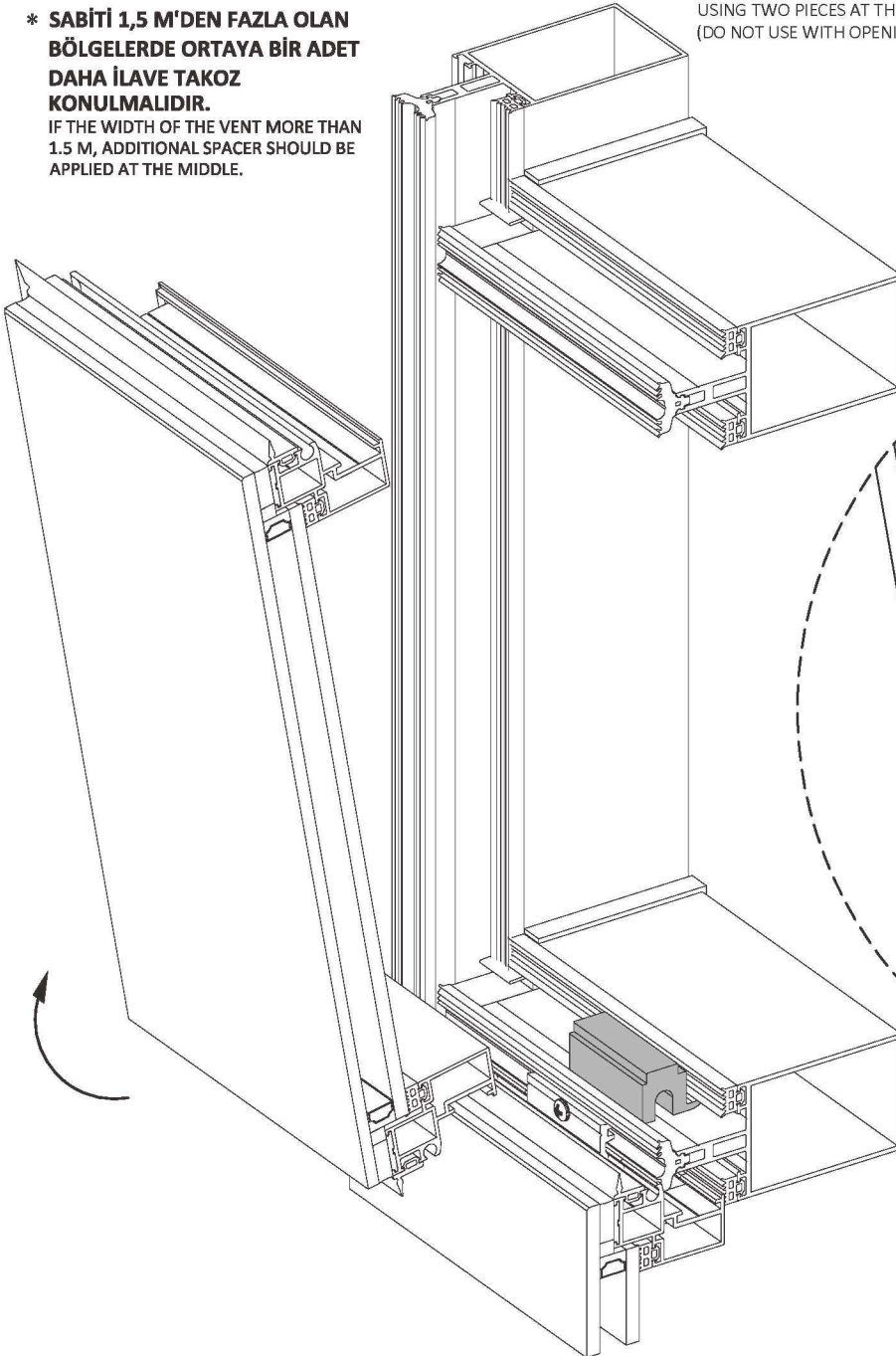
KASET ALT MESAFE TAKOZU BOTTOM SPACER FOR STRUCTURAL CELLS



* **SABİTİ 1,5 M'DEN FAZLA OLAN
BÖLGELERDE ORTAYA BİR ADET
DAHA İLAVE TAKOZ
KONULMALIDIR.**
IF THE WIDTH OF THE VENT MORE THAN
1.5 M, ADDITIONAL SPACER SHOULD BE
APPLIED AT THE MIDDLE.

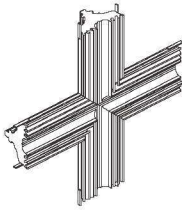
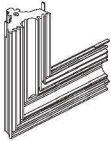
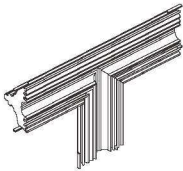
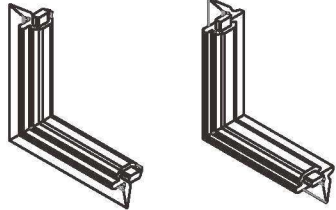


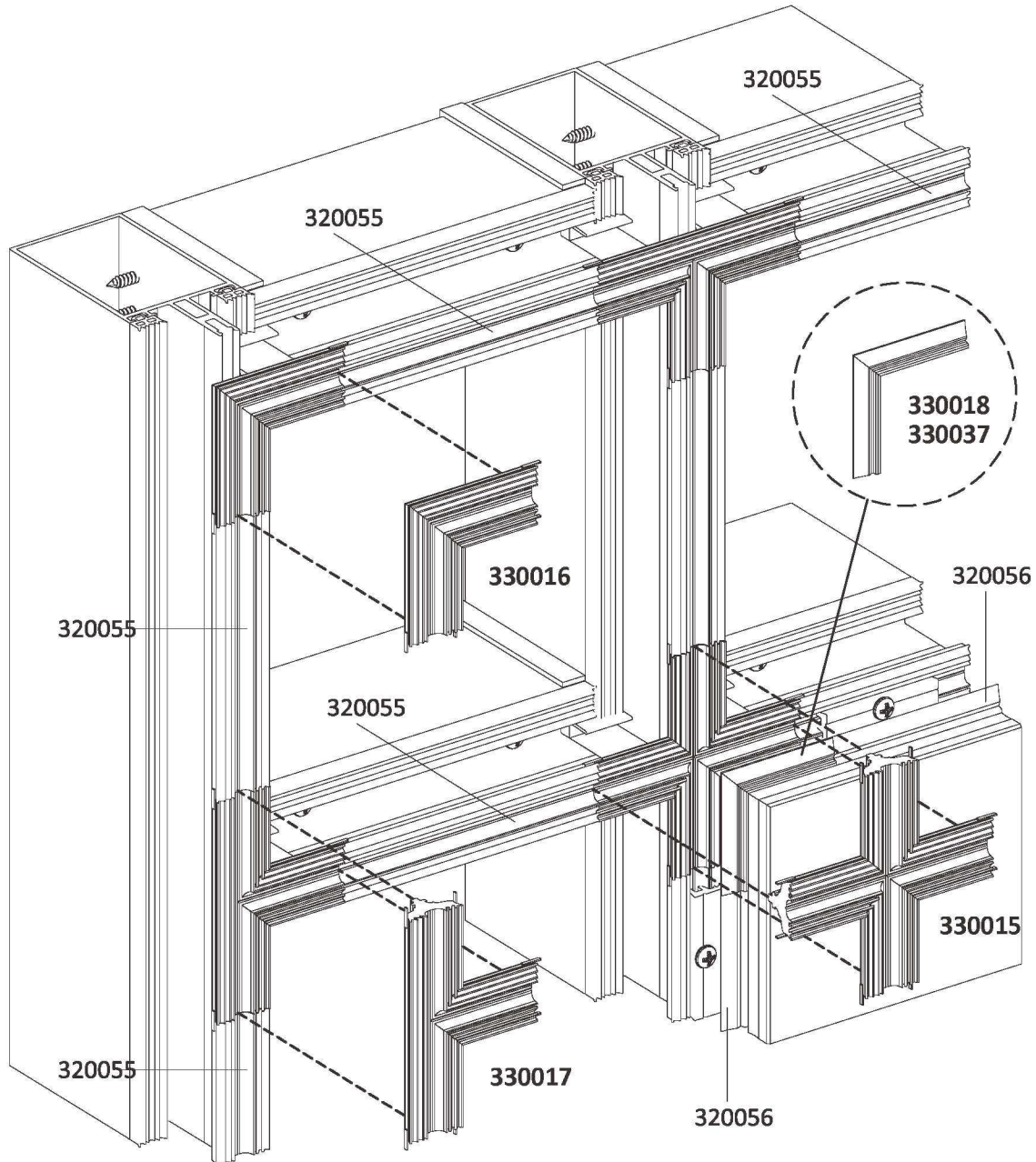
**TÜM SABİT KASETLERİN ALTINDA İKİŞER ADET KULLANILIR.
(AÇILIR KANATLARDAN KULLANILMAZ.)**
USING TWO PIECES AT THE BOTTOM OF ALL FIXED STRUCTURAL CELLS.
(DO NOT USE WITH OPENING VENTS.)



KASETLİ CAM CEPHE SİSTEMİ İÇİN VULKANİZE KÖŞE PARÇALARI

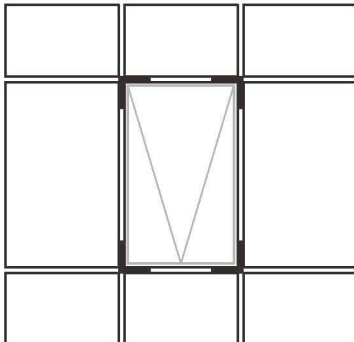
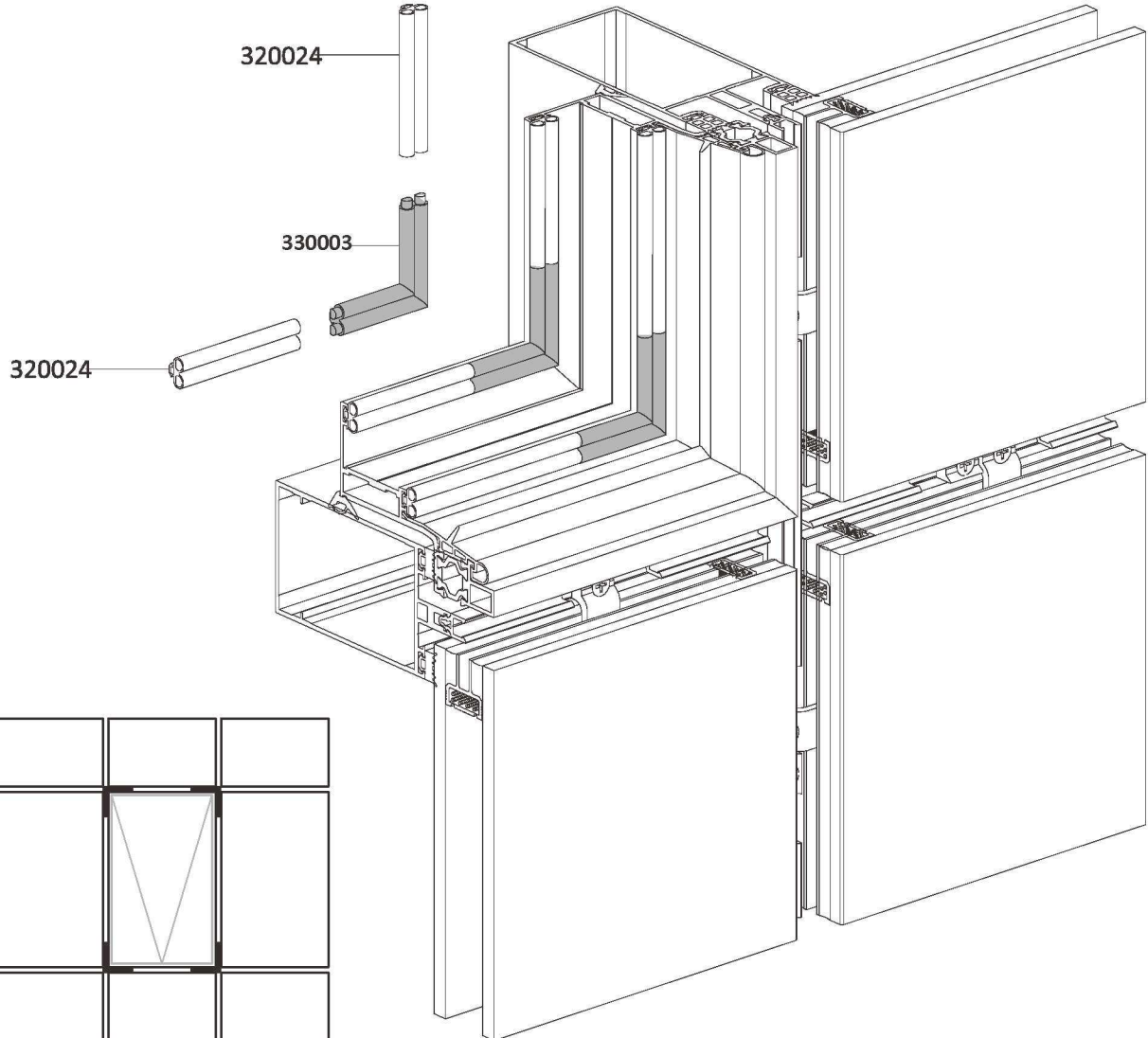
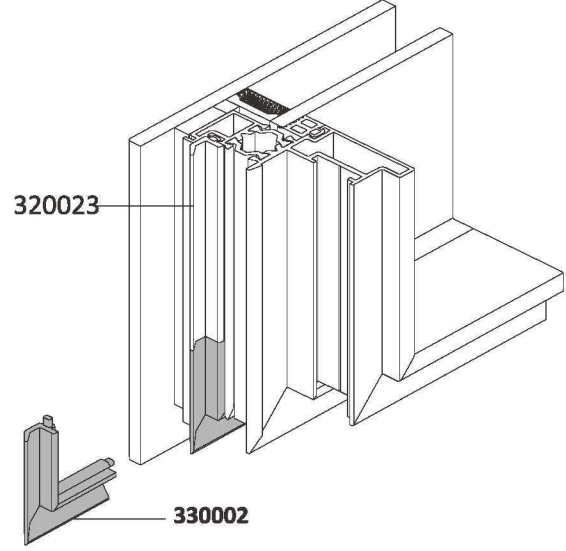
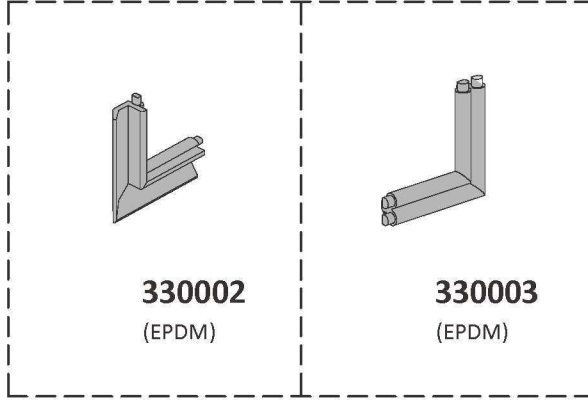
VULCANISED CORNER PIECES FOR THE CURTAIN WALL WITH STRUCTURAL CELLS

ARTI VULKANİZE KÖŞE PARÇASI PLUS SHAPED VULCANISED CORNER PIECE	L VULKANİZE KÖŞE PARÇASI L SHAPED VULCANISED CORNER PIECE	T VULKANİZE KÖŞE PARÇASI T SHAPED VULCANISED CORNER PIECE	KASET TOZLUK FİTİLİ İÇİN VULKANİZE KÖŞE PARÇALARI VULCANISED CORNER PIECES FOR THE OUTER SPAT	
				
330015 (EPDM)	330016 (EPDM)	330017 (EPDM)	330018 (EPDM)	330037 (EPDM)



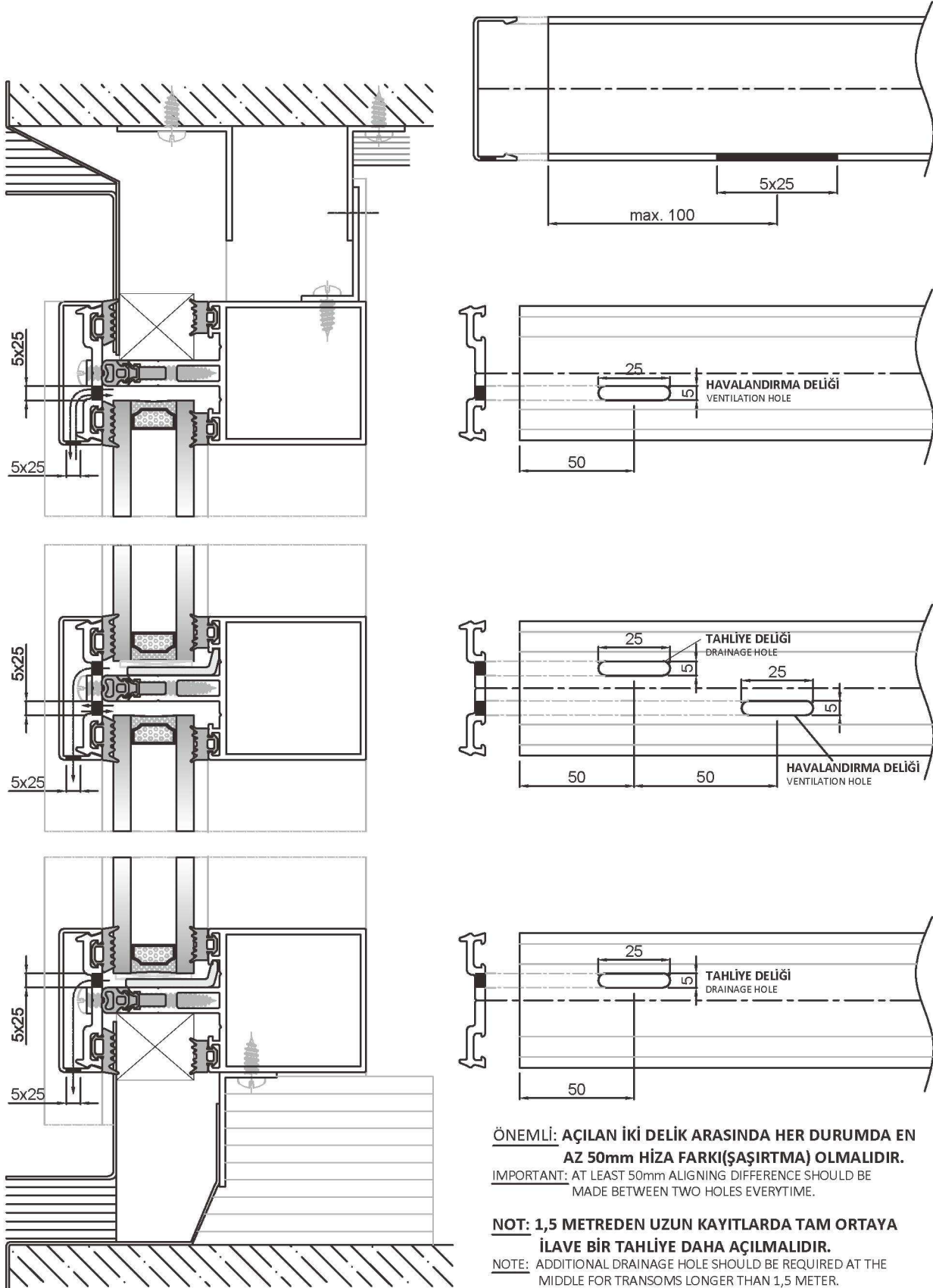
DIŞA AÇILIR KANAT İÇİN VULKANİZE KÖŞE PARÇALARI

VULCANISED CORNER PIECES FOR OUTWARD OPENING VENT



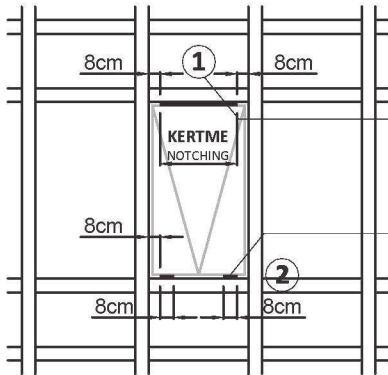
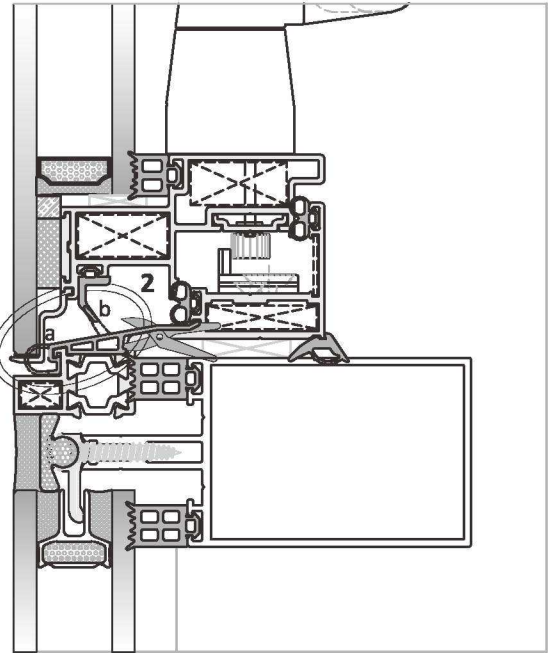
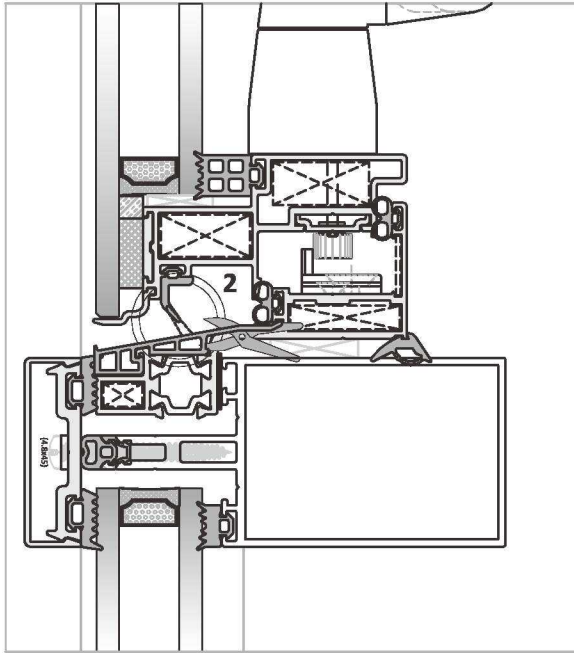
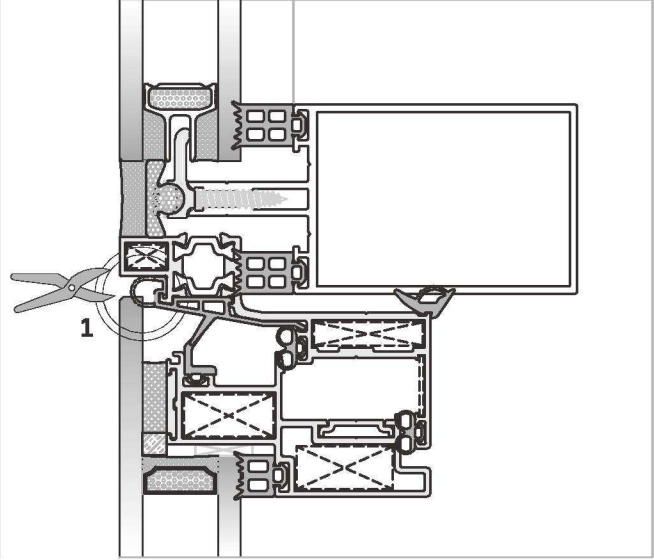
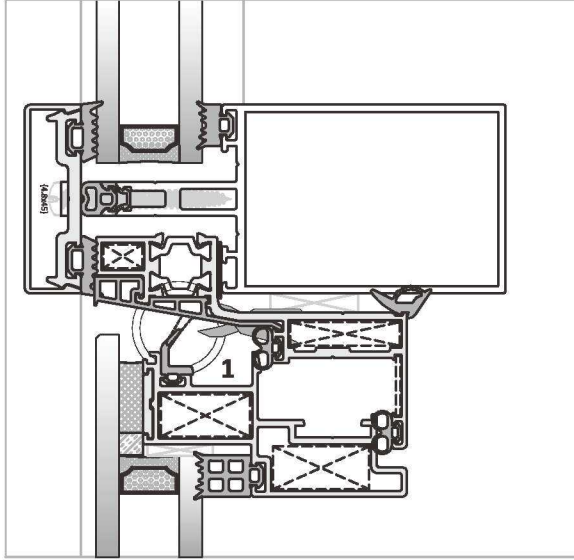
KAPAKLAR İÇİN TAHLİYE DELİK ŞEMALARI

SCHEMAS OF THE DRAINAGE HOLES FOR THE CAPS



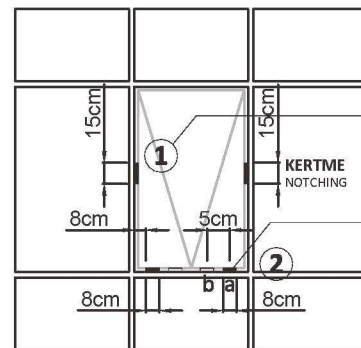
KANATLAR İÇİN TAHLİYE DELİK ŞEMALARI

SCHEMAS OF THE DRAINAGE HOLES FOR VENTS



**BASINÇ DENGELEME
BOŞLUĞU**
PRESSURE BALANCATION SPACE

**ALT FİTİL TAHLİYE
KERTMELERİ**
DRAINAGE NOTCHES FOR
THE BOTTOM GASKET



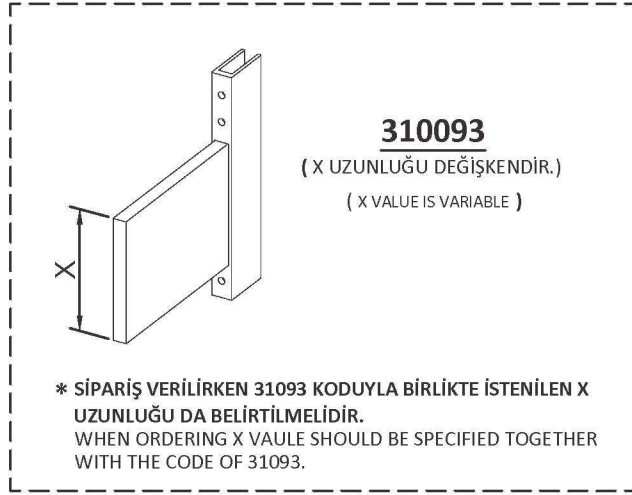
**BASINÇ DENGELEME
BOŞLUĞU**
PRESSURE BALANCATION SPACE

**ALT FİTİL TAHLİYE
KERTMELERİ**
DRAINAGE NOTCHES FOR
THE BOTTOM GASKET

NOT: a ve b tahliye kertmeleri 5cm şaşırtmalı açılmalıdır.
NOTE: a and b drainage notches should be misaligned as 5cm.

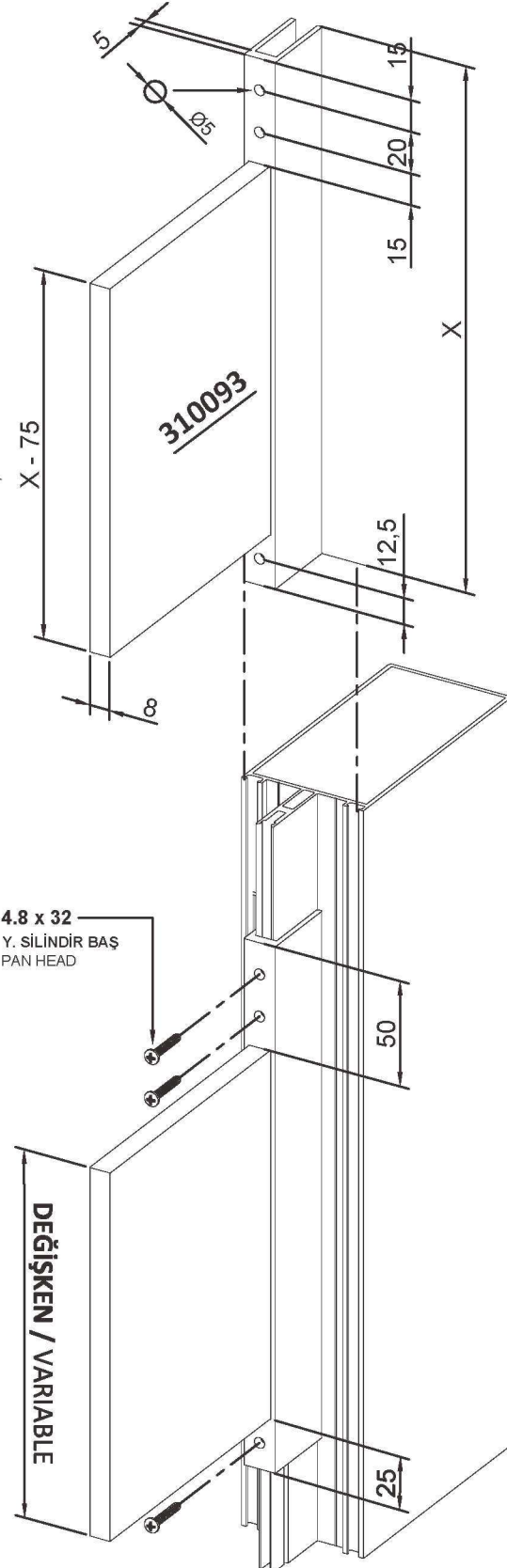
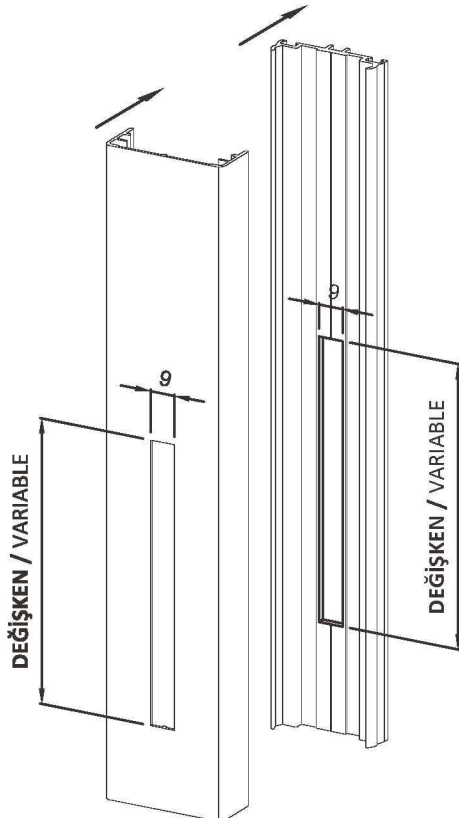
KAPAKLI CEPHEDE G.KIRICI TAŞIYICI APARAT İÇİN BAĞLANTI DETAYI

CARRIER APPARATUS FOR SUNBREAKER CONNECTION DETAIL AT THE CAPPED CURTAIN WALL

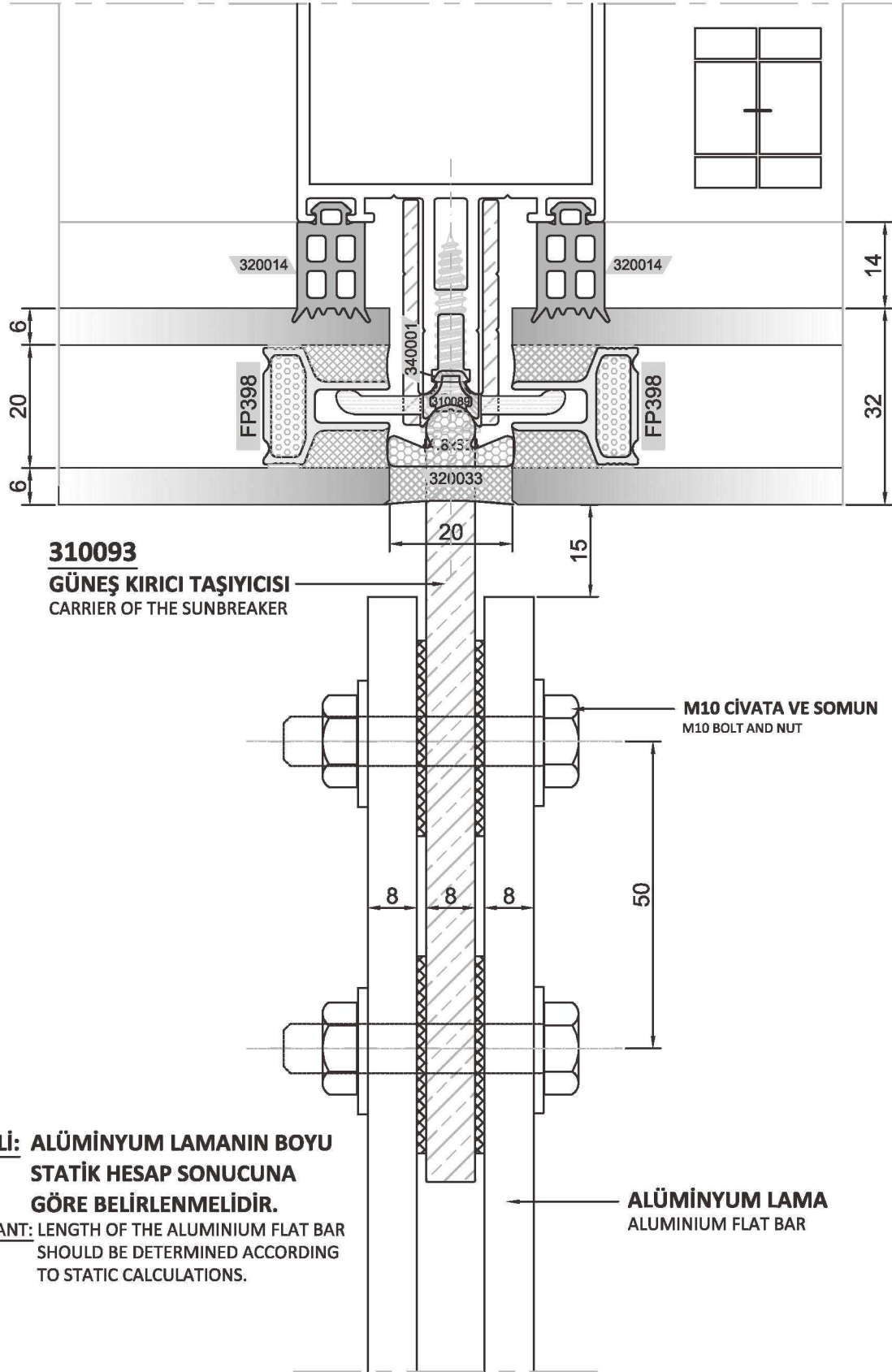


ÖNEMLİ: TAŞIYICI APARATIN UZUNLUĞU (X), ÜZERİNE BAĞLANACAK LAMALARIN GENİŞLİĞİNE VE GÜNEŞ KIRICILARIN UYGULADIĞI TOPLAM AĞIRLIĞA GÖRE HESAPLANMALIDIR.

IMPORTANT: LENGTH OF THE CARRIER PART SHOULD BE CALCULATED ACCORDING TO THE WIDTH OF THE ALUMINIUM ROD AND THE TOTAL WEIGHT APPLIED FROM THE SUNBREAKERS.



CAM CEPHEDE TAŞIYICI APARAT ÜZERİNE G.KIRICI BAĞLANTI DETAYI SUNBREAKER CONNECTION DETAIL ABOVE THE CARRIER APPARATUS AT THE FOURSIDED C.WALL

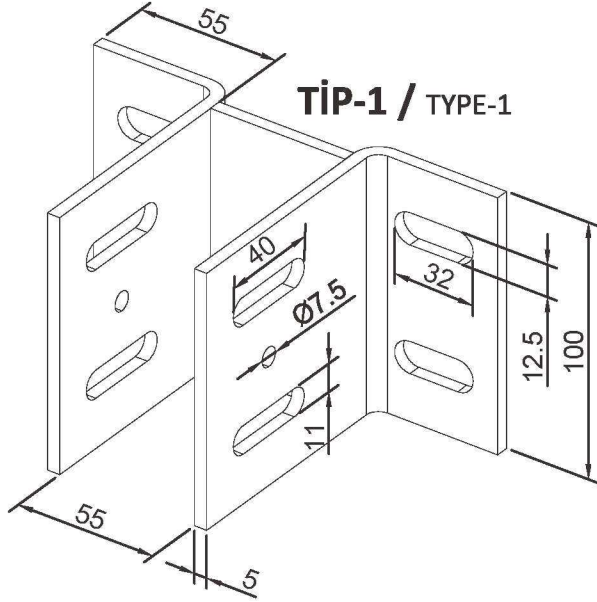


**ÖNEMLİ: ALÜMİNYUM LAMANIN BOYU
STATİK HESAP SONUCUNA
GÖRE BELİRLENMELİDİR.**

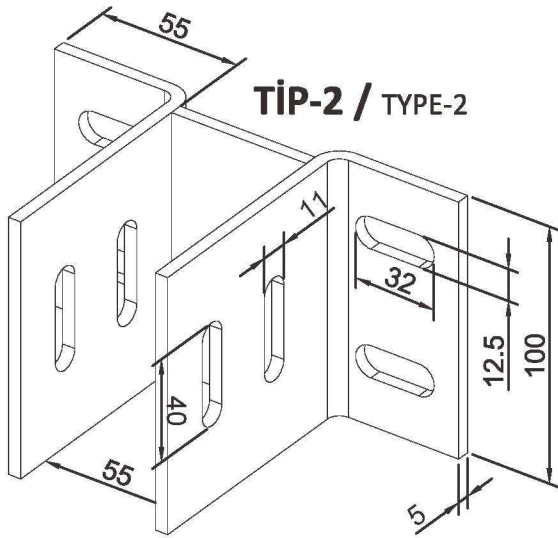
**IMPORTANT: LENGTH OF THE ALUMINIUM FLAT BAR
SHOULD BE DETERMINED ACCORDING
TO STATIC CALCULATIONS.**

ANKRAJLAR

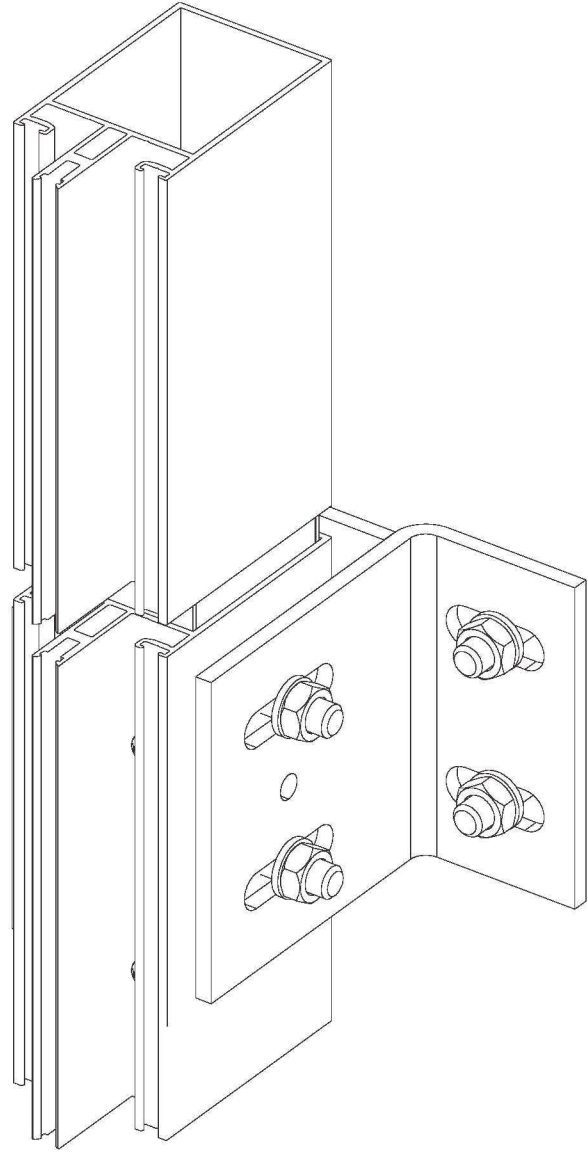
ANCHORAGES



TİP-1 / TYPE-1

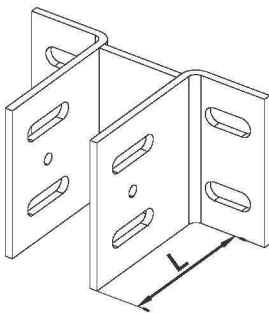


TİP-2 / TYPE-2



YATAY BAKLALI SABİT ANKRAJ

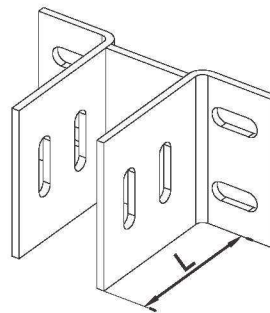
HORIZONTAL MOVABLE FIXED ANCHORAGE



ÜRÜN KODU PRODUCT CODE	BAYRAK UZUNLUĞU (L) EXTENSION LENGTH (L)
360002	80 mm
360003	100 mm
360004	120 mm
360005	150 mm
360006	200 mm

DÜŞEY BAKLALI SABİT ANKRAJ

VERTICAL MOVABLE FIXED ANCHORAGE



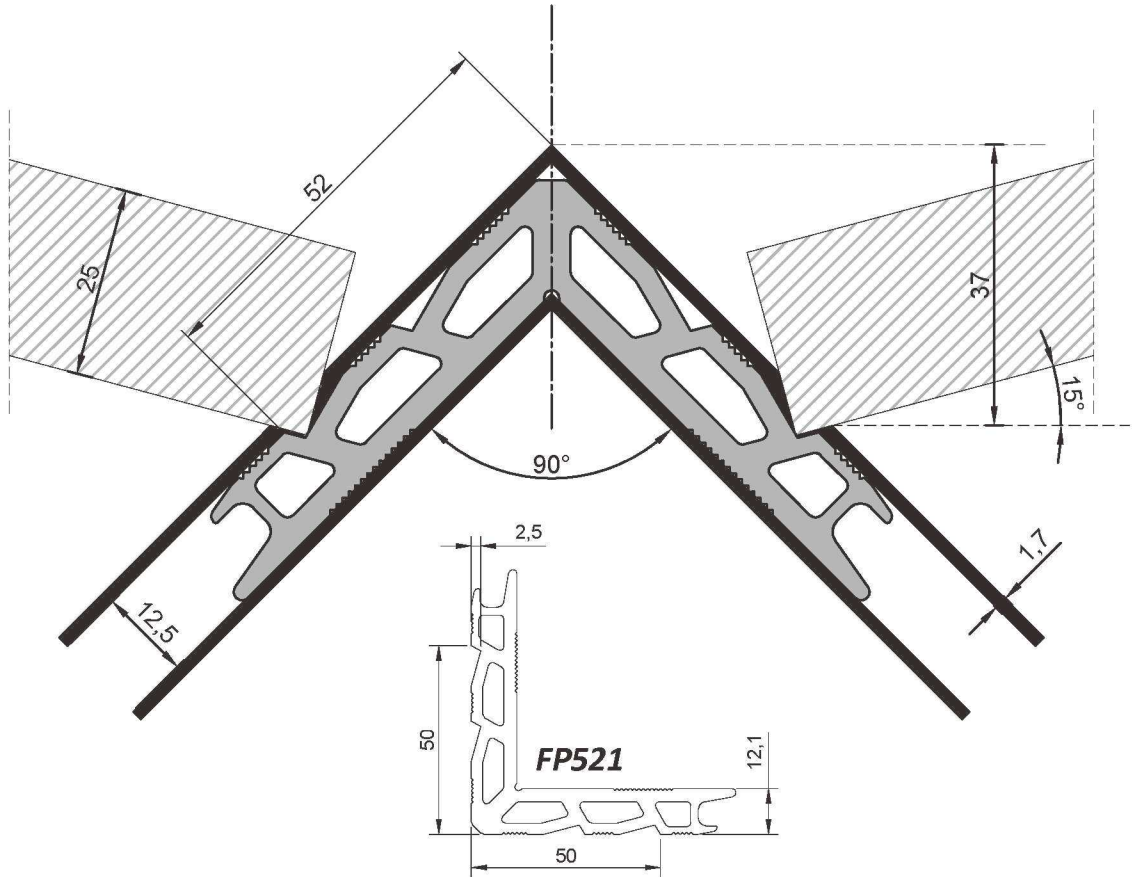
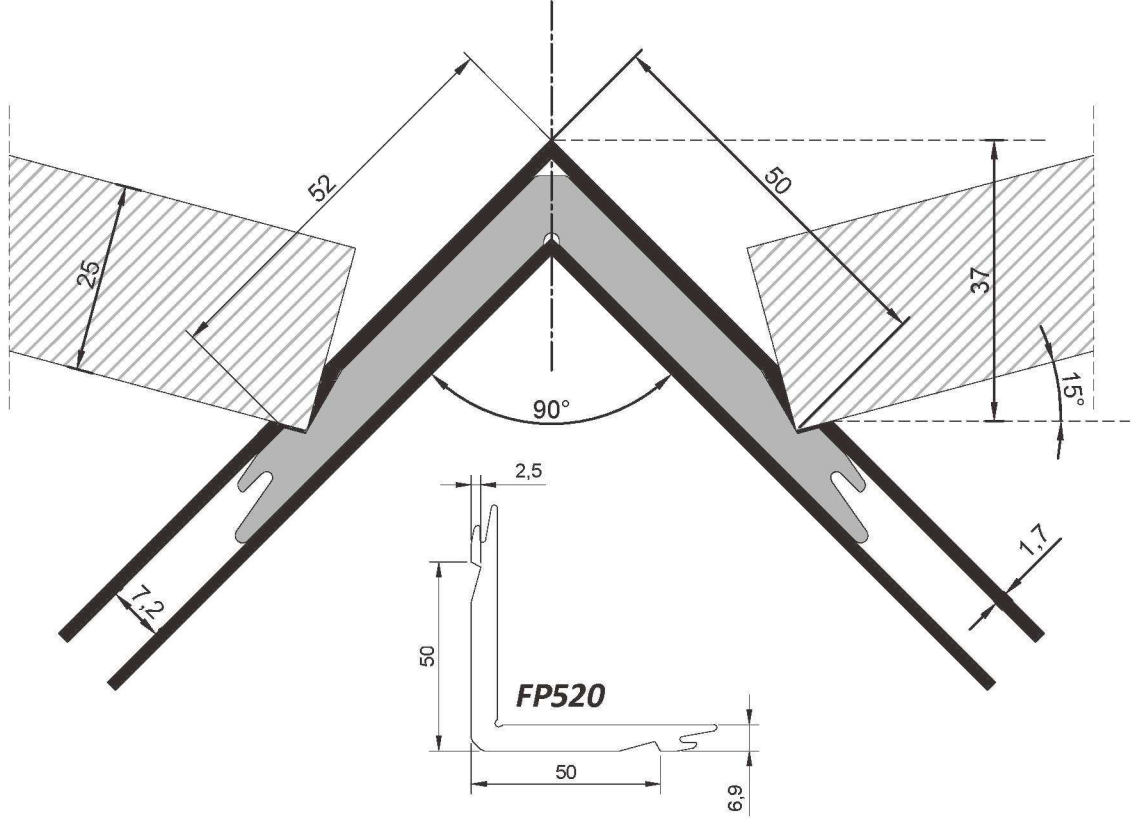
ÜRÜN KODU PRODUCT CODE	BAYRAK UZUNLUĞU (L) EXTENSION LENGTH (L)
360007	80 mm
360008	100 mm
360009	120 mm
360010	150 mm
360011	200 mm

* BAYRAK UZUNLUKLARI TAŞIYICI DİKME DERİNLİKLERİNE VE YAPININ DÖŞEME ALIN HIZA FARKLARINA GÖRE DEĞİŞMEKTEDİR.
EXTENSION LENGTHS CHANGE ACCORDING TO THE MULLION DEPTH AND FRONT LEVEL DIFFERENCES OF THE FLOOR.

* TÜM ANKRAJLAR DALDIRMA GALVANİZLİDİR.
ALL ANCHORAGES ARE DIP GALVANIZED.

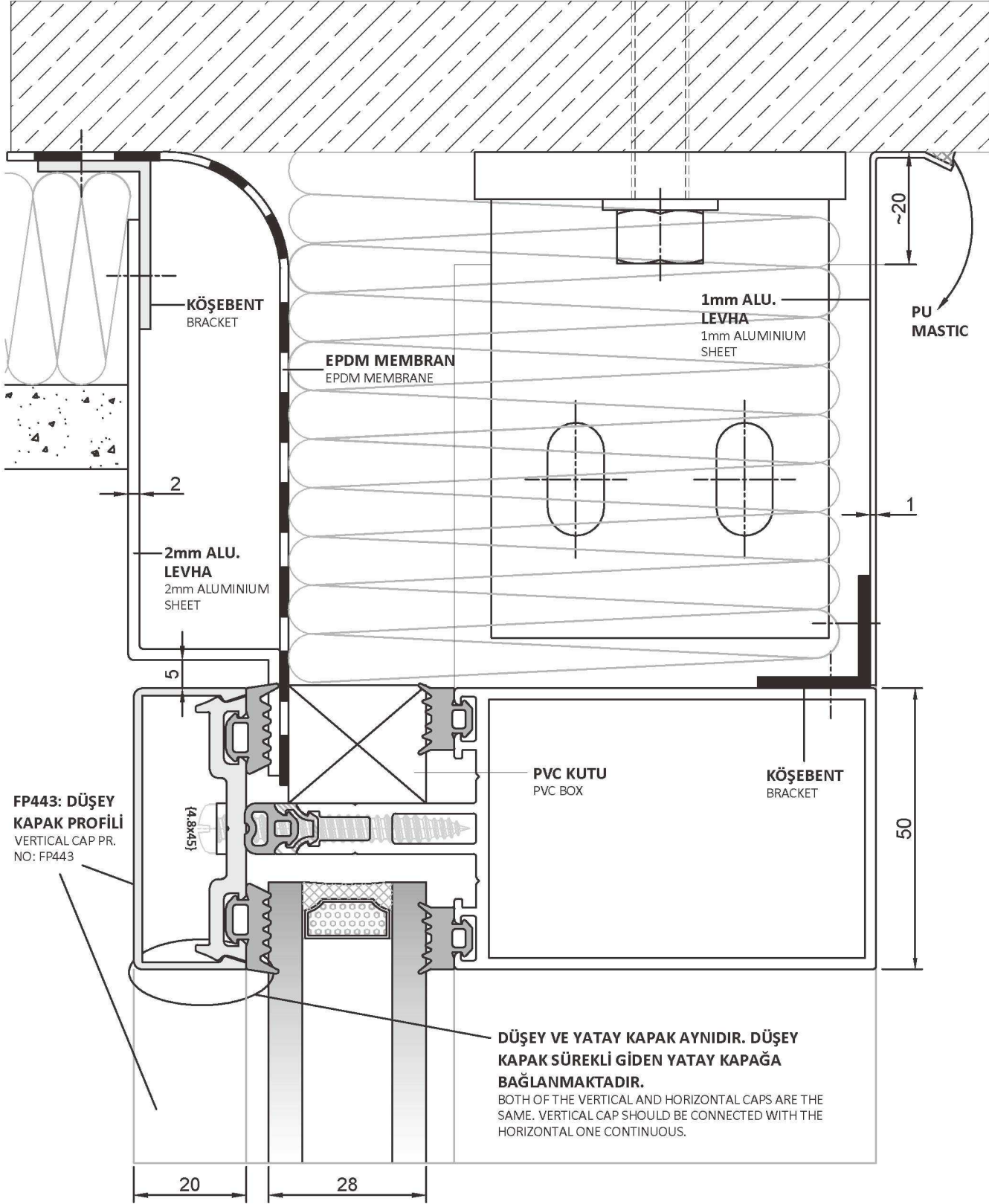
KÖŞE TAKOZU BİRLEŞİM DETAYLARI

CORNER CLEAT CONNECTION DETAILS



ÖRNEK CEPHE ÜST BİTİŞ DETAYI

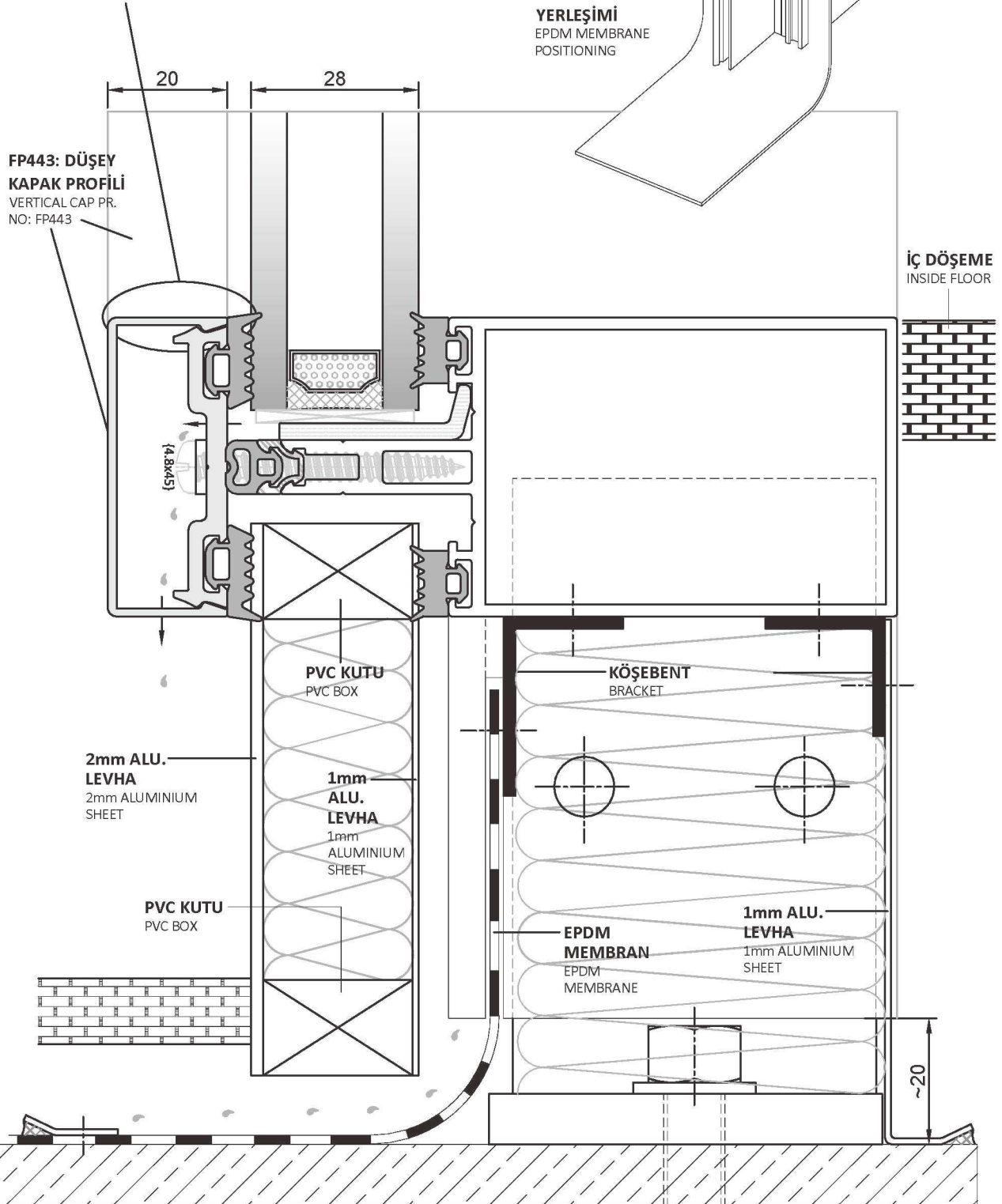
TOP END DETAIL EXAMPLE OF THE CURTAIN WALL



ÖRNEK CEPHE ALT BİTİŞ DETAYI

BOTTOM END DETAIL EXAMPLE OF THE CURTAIN WALL

BU BÖLGEDE DÜŞEY VE YATAY KAPAKLAR AYNIYDIR. DÜŞEY KAPAKLAR SÜREKLİ GİDEN YATAY KAPAĞA BAĞLANMAKTADIR.
IN THIS AREA BOTH OF THE VERTICAL AND HORIZONTAL CAPS ARE THE SAME. VERTICAL CAP SHOULD BE CONNECTED WITH THE HORIZONTAL ONE CONTINUOUS.



KULLANIM ŞARTLARI

Profiller, folyolu muhafaza edilmeli, folyoları inşaat bitiminde çıkartılmalıdır. Kireç ve çimento gibi inşaat malzemeleri alüminyum yüzeylerle temas etmemelidir.

Profiller binaya uygulandıktan sonra düzenli aralıklarla temizlenmelidir. Profillerin temizliği, hafifçe sabunlu ılık su ve/veya bu suyla ıslatılmış yumuşak bir bez ile yapılmalı, deterjan, çamaşır suyu, zımpara, tel fırça ve aşındırıcı, alkali, asidik temizleyici kullanılmamalıdır.

Sistem için önerilen aksesuar ve sarf malzemeleri katalogda belirtilen biçimde uygulanmalı ve tüm aksesuarları eksiksiz olarak kullanılmalıdır.

Sistemin katalogda belirtilen fitilleme, silikonlama, su tahliyesi ve havalandırma metodlarına uyulmalıdır. İlave her türlü uygulama için Sistem Alüminyum'dan destek ve onay alınmalıdır.

GARANTİ KOŞULLARI

Profiller, yukarıda belirtilen şartlara uygun biçimde kullanılmış ve hiçbir şekilde mekanik hasara veya deformasyona uğramamış ise, herhangi bir kusur durumunda, garantimiz yalnız kusurlu parçaların de-montajı, tekrar üretimi, tekrar eloksali ve tekrar yerine takılması ile sınırlı olacaktır. Yukarıda bahsedilmeyen konular iş hukukuna tabidir.

Mimari sistem kataloğunda belirtilmeyen veya Sistem Alüminyum'un onay vermediği aksesuar ve sarf malzemesi kullanımından doğabilecek her türlü sorumluluk uygulamacı firmaya aittir.

Mimari sistem kataloğunda belirtilen detay ve sistem çözümleri haricindeki uygulamalar için Sistem Alüminyum'un onayı alınmalıdır. Aksi takdirde bu uygulamalardan meydana gelebilecek problem ve aksaklıklardan Sistem Alüminyum sorumlu değildir.

TERMS OF SERVICE

Profiles must be protected with folio tapes and they must be taken out when the structure was finished. Building materials as similar lime and cement must not be touched with the aluminium surfaces.

The profiles must be cleaned periodically after the structure was finished. Cleaning of profiles must be done by the fabric that was damped with warm water and soap. Don't use detergent, chlorine water, emery, wire brush, abrasive, base, acidic cleaner.

Accessories and consumables should be applied as shown at the catalogue and used completely.

Glazing, siliconing, water drainage and ventilation methods specified on the catalogue should be applied completely. Any type of the additional methods should be approved by Sistem Aluminium.

TERMS OF WARRANTY

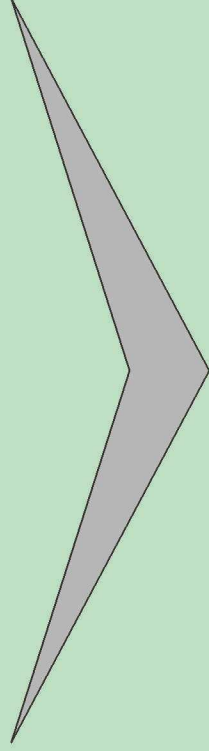
If the profiles was used according to terms of service and they have no mechanical damage or deformation, in any defect situation, our warranty is limited by disassembly, re-product, re-eloxal, re-assembly of faulty pieces. These are subjected to labor law.

Builder is responsible for all conditions by using of accessories and consumables that did not confirmed by Sistem Aluminium are not mentioned in catalogue of Architectural System.

Confirmation must be taken from Sistem Aluminium for applications without details and system solutions that are mentioned in catalogue of architectural sytem. If not Sistem Aluminium is not responsible because of any wrong applications.

SERTİFİKALAR

CERTIFICATES





AVRASYA CEPHE-DOĞRAMA
TEST VE TEKNOLOJİ MERKEZİ A.Ş.
Cumhuriyet Mahallesi 1. Cadde 1. Sokak No:1 81600
II. OSB Beyköy – DÜZCE/TÜRKİYE



Test
TS EN ISO/IEC 17025
AB-0926-T

Deney Raporu
Test Report

AB-0926-T

19-094-PR07

05.2021

Sayfa (Page): 1 / 30

Müşterinin adı/adresi:
Customer name/address

Sistem Alüminyum San. ve Tic. A.Ş.
Akçaburgaz Mh. 3055. Sok. No:4 34522
Esenyurt / İSTANBUL
19-094-PR07

İstek Numarası:
Order No.

Numunenin adı ve tarifi:
Name and identity of test item

Alutech F50 Classic Entegre Sistem Giydirme Cephe / Çubuk Sistem
Alutech F50 Classic Integrated System Curtain Walling / Stick System
09.03.2021

Numunenin kabul tarihi:
The date of receipt of test item

Açıklamalar:
Remarks

EN 12153, EN 12155, EN 12179 deney metotları kullanılmıştır.
EN 12153, EN 12155, EN 12179 testing methods were performed.

EN 12152 - Hava Geçirgenliği	AE	EN 12152 - Air Permeability	AE
EN 12207 - Hava Geçirgenliği	Sınıf 4	EN 12207 - Air Permeability	Class 4
EN 12154 - Su Sızdırmazlık / Statik	RE ₁₂₀₀	EN 12154 - Watertightness / Static	RE ₁₂₀₀
EN 12208 - Su Sızdırmazlık / Statik*	E ₁₂₀₀	EN 12208 - Watertightness / Static *	E ₁₂₀₀
EN 13116 - Rüzgar Yüklerine Dayanım		EN 13116 - Resistance to Wind Load	
Hizmet Verebilirlik	± 2,00 kN/m ²	Serviceability	± 2,00 kN/m ²
Emniyet	± 3,00 kN/m ²	Safety	± 3,00 kN/m ²

Deneyin yapıldığı tarih:
Date of Test

15.04.2021

Deney Raporu Sayfa Sayısı:
Number of pages of the test report

30

Avrasya Cephe-Doğrama Test ve Teknoloji Merkezi A.Ş. TÜRKAK'tan AB-0926-T dosya numarası ile TS EN ISO/IEC 17025:2017 standardına göre akredite edilmiştir.

Avrasya Cephe-Doğrama Test ve Teknoloji Merkezi A.Ş. accredited by TÜRKAK under registration number AB-0926-T for TS EN ISO/IEC 17025:2017 as test laboratory

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınırlığı konusunda Avrupa Akreditasyon Birliği(EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma anlaşması imzalamıştır.

Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports

Bu deney raporu: Firmamıza ulaşan numunelere deney ve/veya deneyler uygulanarak elde edilmiştir.

Müşteriye ait diğer numuneleri kapsamaz.

(This test report was prepared after applying test/tests to the samples that are sent to our company.

(Note that this declaration does not involve other samples of the customer.)

Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

The brief test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.



Kaşe / Seal

12.05.2021

Yayımlandığı Tarih
Date

ZAFER
ŞAFAK
2021-05-12
12:32:23

Deney Sorumlusu
Person in charge of test

ÇAĞLAYAN
KARATAY
2021-05-12
12:36:56

Onaylayan
Approval

*Pencere su sızdırmazlık testinde EN 1027 de belirtilenden farklı nozul aranjmanı ve su püskürtme değeri kullanıldığından dolayı deviasyon söz konusudur.

*In deviation from EN 1027 is in question because of watertightness of insert window was tested at different water flow rate and nozzle arrangement.

RPR001/01/09.10.2019

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

İmzasız ve mühürlü raporlar geçersizdir.

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Testing reports without signature and seal are not valid



AVRASYA CEPHE-DOĞRAMA TEST VE TEKNOLOJİ MERKEZİ A.Ş.

Cumhuriyet Mahallesi 1. Cadde 1. Sokak No:1 81600
II. OSB Beyköy – DÜZCE/TÜRKİYE



Test
TS EN ISO/IEC 17025
AB-0926-T

AB-0926-T

19-094-PR06

05.2021

Deney Raporu Test Report

Sayfa (Page): 1 / 31

Müşterinin adı/adresi:
Customer name/address

Sistem Alüminyum San. ve Tic. A.Ş.
Akçaburgaz Mh. 3055. Sok. No:4 34522
Esenyurt / İSTANBUL
19-094-PR06

İstek Numarası:
Order No.

Numunenin adı ve tanımı:
Name and identity of test item

Alutech F50 Classic Kapaklı Sistem Giydirmce Cephe / Çubuk Sistem
Alutech F50 Classic System Capped Curtain Walling / Stick System
09.03.2021

Numunenin kabul tarihi:
The date of receipt of test item

Açıklamalar:
Remarks

EN 12153, EN 12155, EN 12179 deney metotları kullanılmıştır.
EN 12153, EN 12155, EN 12179 testing methods were performed.

EN 12152 - Hava Geçirgenliği	AE	EN 12152 - Air Permeability	AE
EN 12207 - Hava Geçirgenliği	Sınıf 4	EN 12207 - Air Permeability	Class 4
EN 12154 - Su Sızdırmazlık / Statik	RE1500	EN 12154 - Watertightness / Static	RE1500
EN 12208 - Su Sızdırmazlık / Statik*	E1500	EN 12208 - Watertightness / Static *	E1500
EN 13116 - Rüzgar Yüklerine Dayanım		EN 13116 - Resistance to Wind Load	
Hizmet Verebilirlik	± 2,00 kN/m ²	Serviceability	± 2,00 kN/m ²
Emniyet	± 3,00 kN/m ²	Safety	± 3,00 kN/m ²

Deneyin yapıldığı tarih:
Date of Test

15/16.04.2021

Deney Raporu Sayfa Sayısı:
Number of pages of the test report

31

Avrasya Cephe-Doğrama Test ve Teknoloji Merkezi A.Ş. TÜRKAK'tan AB-0926-T dosya numarası ile TS EN ISO/IEC 17025:2017 standardına göre akredite edilmiştir.

Avrasya Cephe-Doğrama Test ve Teknoloji Merkezi A.Ş. accredited by TÜRKAK under registration number AB-0926-T for TS EN ISO/IEC 17025:2017 as test laboratory

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınırlığı konusunda Avrupa Akreditasyon Birliği(EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma anlaşması imzalamıştır.

Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports

Bu deney raporu: Firmamıza ulaşan numunelere deney ve/veya deneyler uygulanarak elde edilmiştir.

Müşteriye ait diğer numuneleri kapsamaz.

(This test report was prepared after applying test/tests to the samples that are sent to our company.

(Note that this declaration does not involve other samples of the customer.)

Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

The brief test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.



Kaşe / Seal

12.05.2021

Yayımlandığı Tarih
Date

ZAFER
ŞAFK
2021-05-12
12:21:03

Deney Sorumlusu
Person in charge of test

ÇAĞLAYAN
KARATAY
2021-05-12
12:34:44

Onaylayan
Approval

*Pencere su sızdırmazlık testinde EN 1027 de belirtilenden farklı nozul aranjmanı ve su püskürtme değeri kullanıldığından dolayı deviasyon söz konusudur.

*In deviation from EN 1027 is in question because of watertightness of insert window was tested at different water flow rate and nozzle arrangement.

RPR001/01/09.10.2019

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

İmzasız ve mühürlü raporlar geçersizdir.

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Testing reports without signature and seal are not valid

Authorization to use the quality sign



This is to certify that
Sistem Alüminyum Sanayi ve Ticaret A.Ş.

Ergene 1 OSB, Vakıflar OSB Mahallesi İstanbul
Caddesi No: 21/A
TR - 59930 Ergene/Tekirdag

Licence number: 1640

is authorized to use the quality sign which is shown above, according to the regulations for the use of the quality label for ARCHITECTURAL ANODIZING as described in the current edition of the Specifications for the QUALANOD quality label for sulfuric acid-based anodizing of aluminium (Edition 01.01.2021). Architectural anodizing is one of the four types of anodizing covered by the Specifications.

Date of issue of the licence: 22.01.2015
Period of validity of the licence: until 31.12.2021

Zurich, 20 November 2020

QUALANOD

Dr. Melin Yilmaz
President

CERTIFICATION BODY

Monica Gerber
General Secretary



Mailing address:
QUALANOD, P.O. Box, CH-8027 Zurich
Domicile:
QUALANOD
c/o ARC O Association Management AG
(certification body)
Tefenstrasse 42, CH-8002 Zurich

Website: www.qualanod.net
E-Mail: info@qualanod.net // Phone: +41 (0)43 305 09 77 / 81

CERTIFICATE

for a COATING APPLICATOR



hereby authorises:

Sistem Alüminyum Sanayi ve Ticaret A.Ş.
Ergene 1 OSB, Vakıflar OSB Mahallesi İstanbul
Caddesi No: 21/A
59930 Ergene/Tekirdag
Turkey

to use the quality label in conformity with the
QUALICOAT 2021 Specifications, applicable from 1 January 2021

Licence No.: 1435

Date of Granting: 28.04.2015

Valid until: 31.12.2021

Zurich, 1 January 2021

QUALICOAT

Mohammed C. Panam
President



Sue C. C. Paredi
Managing Director

QUALICOAT | Tödistrasse 49, 8002 Zurich, Switzerland | www.qualicoat.net



Certificate of conformity of the factory production control



Number: 0620-CPD-55837/01
Issued: 2014-09-01
Replaces: 0620-CPD-55837/01
First issued under CPR: 2014-09-01
First issued under CPO: 2010-04-12

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

STRUCTURAL ALUMINIUM and ALUMINIUM ALLOY SECTIONS / PROFILES

whereby the scope of construction product (s) listed on page 2 of this certificate of conformity

produced by:

SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.

and produced in the manufacturing plant:

İSTANBUL / TURKEY

This certificate attests that all provisions concerning the assessment and verification of constancy of performance in Annex ZA of the standard

EN 15089:2005

under system 2+ for the performances set out in this certificate are applied and that the factory production control fulfils all the prescribed requirements for these performances.

This certificate was first issued on 2014-09-01 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared essential characteristics, do not change, and the construction product and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the factory production control body.

Bouke Meekma

Director Kiwa Nederland B.V.

Advise: consult www.kiwa.nl to check whether the certificate is valid.

Notified Body No. 0620
Kiwa Nederland B.V.
St. Vinkens Dijkstrasse 270
Postbus 70
2200 AD (RUGB) AK
The Netherlands
Tel: +31 (0) 70 414 44 00
Fax: +31 (0) 70 414 44 02
info@kiwa.nl
www.kiwa.nl

Manufacturer
SİSTEM ALÜMİNYUM SANAYİ VE
TİCARET A.Ş.
Cennet Mah. Akçaburgaz Cad. 55.
06238 No: 4 Kat: 4
İSTANBUL / TURKEY
T: +90 (0) 212 598 87 87
E: info@sistemaluminum.com.tr
I: www.sistemaluminum.com.tr

Manufacturing plant
SİSTEM ALÜMİNYUM SANAYİ VE
TİCARET A.Ş.
Ergene 1 OSB E-5 Karayolu 62. km No: 21
Ergene / TEKİRDAĞ



Enclosure to Certificate-No TIC 15 121 17073



SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.

Akçaburgaz Mah. 3055. Sokak No: 4
Esenyurt - İstanbul / Turkey

Following local branches are part of the certificate:

Central office

SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.

Akçaburgaz Mah. 3055. Sokak No: 4
Esenyurt - İstanbul / Turkey

Scope: Information security aimed to protect information properties related to extruded aluminium profiles, aluminium composite panel, related product's raw material purchases, sales, import, export, customs operations, transit trade and all related activity including logistics, storage, accounting, finance and information technologies.

Certificate-No TIC 15 121 17073

Locations

SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.

Ergene-1 OSB, Vakıflar OSB Mah. D100 Caddesi No: 13/1
Ergene - Tekirdağ / Turkey

Scope: Information security aimed to protect information properties related to extruded aluminium profiles, aluminium composite panel, related product's raw material purchases, sales, import, export, customs operations, transit trade and all related activity including logistics, storage, accounting, finance and information technologies.

Certificate-No TIC 15 121 17073/1

TUV Thüringen e.V.
Certification body for
systems and personnel



Jena, 2017-10-12



This series is valid only in connection with the certificate No TIC 15 121 17073/1/7

Zertifizierungsstelle des TÜV Thüringen e.V. • Empfänger-Reg. N. • D-07743 Jena • E • +49 3641 385740 • certifizierung@tuev-thueringen.de

CERTIFICATE



for the information security management system
DIN EN ISO/IEC 27001:2017 (corresponds with ISO/IEC 27001:2013 including Cor 1:2014 and Cor 2:2015)

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company



SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
Ergene-1 OSB, Vakıflar OSB Mah. D100 Caddesi No: 13/1
Ergene – Tekirdağ / Turkey

Scope

Aluminium profiles produced with extrusion method, forging press products and aluminum composite panels, purchasing the raw material of these products, sales, customs and foreign trade operations and logistics related to these operations, storage, accounting, finance and the security measures that IT activities use to protect information assets

Statement of applicability

Revision: 2020-09-30

Certificate Registration No.: TIC 15 121 17073/1

Valid until: 2023-10-11

Valid from: 2020-10-14

Audit Report No.: 3330 2UDZ D0

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits. The certificate is valid in conjunction with the main certificate.


TUV Thüringen e.V.
Certification body for
systems and personnel



Jena, 2020-10-14



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are branded with a hologram.

The current validity can be demanded at our homepage www.tuv-thueringen.de
Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • ☎ +49 3641 399740 • ✉ zertifizierung@tuv-thueringen.de

CERTIFICATE



for the management system
according to ISO 50001:2018

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company



**SİSTEM ALÜMİNYUM
SANAYİ VE TİCARET A.Ş.**
Ergene-1 OSB, Vakıflar OSB Mah. D100 Cd.
No:13/1
Ergene - Tekirdağ / Turkey

Scope

Manufacturing of aluminum profiles with extrusion method, anodizing, electrostatic power coating, transfer coating, mechanical treatment of profiles, forging press, aluminum billet casting and manufacturing of composite panel

Certificate Registration No.: TIC 15 275 20231/1

Valid until: 2023-12-10

Valid from: 2020-12-11

Audit Report No.: 3330 3CLA A0

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits. The certificate is valid in conjunction with the main certificate.


TUV Thüringen e.V.
Certification body for
systems and personnel



Jena, 2020-12-11



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SERTİFİKA



ISO 9001:2015, ISO 14001:2015 ve
ISO 45001:2018'e göre yönetim sistemi

Belgelendirme prosedürleri doğrultusunda ve düzenlemeler ile uyumlu uygulamaların kanıtlanması ile



**SİSTEM ALÜMİNYUM SANAYİ
VE TİCARET A.Ş.**
Ergene-1 OSB, Vakıflar OSB Mah.
D100 Caddesi No:13 / 1
Ergene – Tekirdağ / Türkiye

Ünvanlı kuruluşun, belirtilen standartlara göre, aşağıdaki geçerlilik alanında bir yönetim sistemi uyguladığı belgelenmektedir.
Geçerlilik alanı

Ekstrüzyon yöntemine göre alüminyum profillerin imalatı, eloksal ve elektrostatik boya kaplama profillerin imalatı, alüminyum profillerin boyanması, ahşap desen kaplanması, eloksal kaplanması, mekanik işlenmesi, alüminyum biyet döküm imalatı, kompozit panel imalatı ve dövme pres ile imalat

TIC 15 100 64050/1
Sertifika Tescil No: TIC 15 104 191736/1 2024-06-06 tarihine kadar geçerli
TIC 15 118 19052/1 2021-06-18 tarihinden itibaren

Telik Raporu No: 3330 29AW P0

İşbu sertifikasyon TIC tetik ve belgelendirme prosedürlerine göre gerçekleştirilmiştir ve düzenli aralıklarla yapılan gözetim tetiklerine tabidir. Bu sertifika, ana sertifika ile birlikte geçerlidir.


TUV Thüringen e.V.
Sistem ve Personel
Beygelendirme Kurumu



Jena, 2021-06-18



Original certificates
are branded with a hologram.

Güncel geçerliliği www.tuv-thueringen.de adresinden sağlanabilir.
Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • ☎ +49 3641 399740 • ✉ zertifizierung@tuv-thueringen.de

Enclosure to Certificate-No TIC 15 100 64050



**SİSTEM ALÜMİNYUM SANAYİ VE
TİCARET A.Ş.**

Akçaburgaz Mah. 3055. Sokak No: 4
Esenyurt – İstanbul / Turkey

Following local branches are part of the certificate:

Central office

SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
Akçaburgaz Mah. 3055. Sokak No: 4
Esenyurt – İstanbul / Turkey

Scope: Sales, import, export, foreign trade, customs clearance, management and administrative organization activities of the aluminium profiles and aluminium composite panels manufactured. The operations related to these activities and related services.

Certificate-No TIC 15 100 64050

Locations

SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
Ergene-1 OSB, Vakıflar OSB Mah. D100 Caddesi No: 13/1
Ergene – Tekirdağ / Turkey

Scope: Production of aluminum profiles by the extrusion process, eloxal and electrostatic color coating processes, transfer coating and production of aluminum composite panels; Sales, import, export, foreign trade, customs, administration, administrative organizational activities related to these activities and related services.

Certificate-No TIC 15 100 64050/1


TUV Thüringen e.V.
Certification body for
systems and personnel



Jena, 2018-06-07



Original certificates
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This annex is valid only in connection with the certificate No TIC 15 100 64050/018
Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • ☎ +49 3641 399740 • ✉ zertifizierung@tuv-thueringen.de



TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE TSE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 009277-TSE-0603
BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE 21.04.2009
BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL 03.04.2022
BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER SİSTEM ALÜMİNYUM SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ
ADDRESS OF THE LICENCE HOLDER Akçaburgaz Mah. 3055. Sokak No:4 34522 Esenyurt İSTANBUL/TÜRKİYE
ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE Ergene-İ OSB, Vakıflar OSB Mah. D100 Caddesi No:13/1 Ergene/TEKİRDAĞ 5993 İSTANBUL / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 009277-TSE-0602
TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK SİSTEM ALÜMİNYUM SAN VE TİC A.Ş.
İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS 4922 / 15.01.2016
BELGE KAPSAMI
SCOPE OF LICENCE Alüminyum veya Alüminyum Alaşımının Anodik Oksidasyon İşlemi ile Kaplanması
Kaplama kalınlığı sınıfı: AA 10
Kimyasal Dağılıma Orjinali tatbik edilmiş (E6)

e-mza ile signed

08.04.2021

Belgelendirme Merkezi Başkanı Adına
AHMET NURSI KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

*Bu belge, belgelendiren ürünün, ürün yerinin Enstitümüzün bellediği şartlar kapsamında da geçerlidir.
*Bu belge, hiç bir şekilde telif edilemez, kopya veya akromatizasyon yapılarak başka kişiler tarafından kopyalanamaz, satılamaz ve diğer amaçlar için kullanılamaz.
*TSE İSTANBUL BELGELENDİRME MÜDÜRLÜĞÜ Adres: Çarşılar Yolu Üsküdar Yarı CAĞIROĞLANIĞI - Telefon: 0212 410 54 51 / 410 54 27, Faks: 0212 410 50 17 E-posta: info@tse.org.tr, web: www.tse.org.tr
*TSE BELGELENDİRME MERKEZİ BAŞKANLIĞI Adres: Necatibey Cad. No:112 06100 Sarıyer/İSTANBUL - Telefon: 0212 410 54 51 / 410 54 27, Faks: 0212 410 50 17 E-posta: info@tse.org.tr, web: www.tse.org.tr

<https://evrak.tse.tse.org.tr/BelgeDogrulama.aspx?qr-kod=0603> e-imza ile belgenin doğruluğunu ve geçerliliğini doğrulayınız.



1 / 1



TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE TSE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 009277-TSE-0703
BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE 19.10.2009
BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL 11.04.2022
BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER SİSTEM ALÜMİNYUM SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ
ADDRESS OF THE LICENCE HOLDER Akçaburgaz Mah.3055. Sokak No:4 34522 Esenyurt İSTANBUL/TÜRKİYE
ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE Ergene-İ OSB, Vakıflar OSB Mah. D100 Caddesi No:13/1 Ergene/TEKİRDAĞ 5993 İSTANBUL / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 009277-TSE-0702
TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK SİSTEM ALÜMİNYUM SAN VE TİC A.Ş. - ŞEKİL
İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS EN 12020-1 / 02.03.2010
BELGE KAPSAMI
SCOPE OF LICENCE Alüminyum ve alüminyum alaşımları - EN AW- 6060 ve EN AW- 6063 alaşımlarından ekstrüzyon ile imal edilmiş HASSAS PROFİLLER
EN AW- 6060 ve EN AW- 6063 alaşımları imal edilmiş, ısıtılabilir ve ısıtılabilir hassas profiller

e-mza ile signed

08.04.2021

Belgelendirme Merkezi Başkanı Adına
AHMET NURSI KARTAL

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*TSE BELGELENDİRME MERKEZİ BAŞKANLIĞI Adres: Necatibey Cad. No:112 06100 Sarıyer/İSTANBUL - Telefon: 0212 410 54 51 / 410 54 27, Faks: 0212 410 50 17 E-posta: info@tse.org.tr, web: www.tse.org.tr

<https://evrak.tse.tse.org.tr/BelgeDogrulama.aspx?qr-kod=0703> e-imza ile belgenin doğruluğunu ve geçerliliğini doğrulayınız.



1 / 1



TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE TSE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 009277-TSE-0305
BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE 22.03.2011
BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL 11.04.2022
BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER SİSTEM ALÜMİNYUM SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ
ADDRESS OF THE LICENCE HOLDER Akçaburgaz Mah. 3055. Sokak No:4 34522 Esenyurt İSTANBUL/TÜRKİYE
ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE Ergene-İ OSB, Vakıflar OSB Mah. D100 Caddesi No:13/1 Ergene/TEKİRDAĞ / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 009277-TSE-0304
TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK Şekil + SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS EN 755-1 / 09.12.2016
BELGE KAPSAMI
SCOPE OF LICENCE Alüminyum ve alüminyum alaşımları
Ekstrüzyonla imal edilmiş PROFİLLER
EN AW 6060 ve EN AW 6063 alaşımları imal edilmiş

e-mza ile signed

08.04.2021

Belgelendirme Merkezi Başkanı Adına
AHMET NURSI KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

*Bu belge, belgelendiren ürünün, ürün yerinin Enstitümüzün bellediği şartlar kapsamında da geçerlidir.
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*TSE İSTANBUL BELGELENDİRME MÜDÜRLÜĞÜ Adres: Çarşılar Yolu Üsküdar Yarı CAĞIROĞLANIĞI - Telefon: 0212 410 54 51 / 410 54 27, Faks: 0212 410 50 17 E-posta: info@tse.org.tr, web: www.tse.org.tr
*TSE BELGELENDİRME MERKEZİ BAŞKANLIĞI Adres: Necatibey Cad. No:112 06100 Sarıyer/İSTANBUL - Telefon: 0212 410 54 51 / 410 54 27, Faks: 0212 410 50 17 E-posta: info@tse.org.tr, web: www.tse.org.tr

<https://evrak.tse.tse.org.tr/BelgeDogrulama.aspx?qr-kod=0305> e-imza ile belgenin doğruluğunu ve geçerliliğini doğrulayınız.



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TÜRK STANDARDLARI ENSTİTÜSÜ
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TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE TSE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 009277-TSE-13101
BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE 15.04.2019
BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL 15.04.2022
BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER SİSTEM ALÜMİNYUM SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ
ADDRESS OF THE LICENCE HOLDER Akçaburgaz Mah.3055. Sokak No:4 34522 Esenyurt İSTANBUL/TÜRKİYE
ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE SİSTEM ALÜMİNYUM SANAYİ VE TİCARET A.Ş.
ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE Ergene-İ OSB, Vakıflar OSB Mah. D100 Caddesi No:13/1 Ergene/TEKİRDAĞ / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 009277-TSEK10104
TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK alutec bond 300
İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS 13777 / 22.05.2017
BELGE KAPSAMI
SCOPE OF LICENCE Kompozit paneller - Polietilen veya mineral dolgu - Her iki yöz alüminyum levha kaplı
* Tip 1: Polietilen Dolgu, Tür. Saten, Kalınlık: 4 ± 0,2 mm, Göyden Sıma (Max) 3 mm,
Ses Absorpsiyonu: αw:0,05, Yangına dayanım sınıfı: D-s2,d0

e-mza ile signed

08.04.2021

Belgelendirme Merkezi Başkanı Adına
AHMET NURSI KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

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*TSE BELGELENDİRME MERKEZİ BAŞKANLIĞI Adres: Necatibey Cad. No:112 06100 Sarıyer/İSTANBUL - Telefon: 0212 410 54 51 / 410 54 27, Faks: 0212 410 50 17 E-posta: info@tse.org.tr, web: www.tse.org.tr

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1 / 1

warringtonfire
Proud to be part of **assent**

Warringtonfire
Holmesfield Road
Warrington
WA1 2DS

T: +44 (0)1925 655 116
Info: warrington@warringtonfire.com
warringtonfire.com

UKAS TESTING
0249

Title:
CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1: 2009

Report No:
WF 407940

Date:
12th February 2019

Issue No:
1

Notified Body No:
0833

Product Name:
"ALUTECHBOND 100 A2"

Prepared for:
SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.
Ergene-1 OSB, Vakıflar OSB Mah. D100 Cad. No:13/1 Ergene, TEKİRDAĞ 59930,

Fire Behaviour	Smoke Production	Flaming Droplets
A2	s	d

i.e. A2 – s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

- Construction applications- External façade
- Construction applications applied over any substrate with a minimum density of 870kg/m³, having a minimum thickness of 11mm and a fire performance of A2-s1,d0

This classification is also valid for the following product parameters:

Core type, thickness and density	No variation allowed
Joints	No joints allowed in end-use construction
Adhesive quantity and type	No variation allowed
Surface coating colour	RAL9006- Silver only
Product composition	No variation allowed
Product construction	No variation allowed
Mounting and fixing details	No variation allowed
Air gap details	≥40mm allowed

SIGNED

Euan Gardner
Junior Certification Engineer
Technical Department

APPROVED

Janet Murrell
Technical Manager
Technical Department
On behalf of Warringtonfire

Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EN
Company Registration No: 11371436

Efectis

EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.

Yangın Test Laboratuvarı

Akredite Kuruluş
No: AB-0556-T

Onaylanmış Kuruluş
No:2184

YANGINA KARŞI TEPKİSİNİN
TS EN 13501-1+A1:2013 STANDARTINA GÖRE
SINIFLANDIRILMASI

Müracaat eden : SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.
Ergene-1 OSB Vakıflar OSB Mah. D100 Cad. No:13/1
Ergene, TEKİRDAĞ/TÜRKİYE

Hazırlayan : EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.
TOSB TAYSAD Organize San. Böl. 1. CD.
15. Yol No:1 Şekerpınar - Çayırova
KOCAELİ, TÜRKİYE

Ürün adı : ALUTECHBOND A2

Sınıflandırma rapor no. : ERA - 17 - 056

Yayın numarası : 1/2

Yayınlanma tarihi : 22.03.2017

Bu sınıflandırma raporu 5 sayfadan oluşmaktadır ve sadece bütün olarak kullanılabilir ya da yeniden oluşturulabilir.

Adres: TOSB TAYSAD Organize San. Böl. 1. CD., 15. Yol No: 1 Şekerpınar - Çayırova
KOCAELİ, TÜRKİYE
Tel: 0262 6581662 Fax: 0262 6581669 E-posta: turkey@effectis.com
Web: www.effectis.com

TSE

TSE COVID-19
SAFE PRODUCTION CERTIFICATE

TURKISH STANDARDS INSTITUTION

verifies that

SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.
ERGENE 1 OSB VAKIFLAR OSB MAH. D100 CAD. NO:13/1 ERGENE/TEKİRDAĞ

has been entitled to receive TSE COVID-19 SAFE PRODUCTION CERTIFICATE by fulfilling TSE COVID-19 HYGIENE INFECTION PREVENTION AND CONTROL CERTIFICATION PROGRAM.

Certificate Number : GU-ST-208/20

Issue Date : 12.10.2021

Valid Until : 12.10.2022

Ahmet Nuri Kartal
İstanbul Certification Manager

This certificate is issued in accordance with the Law No. 132 on the establishment of the Turkish Standards Institute and is valid only for the organization address given above

341210202110282372

kiwa

Reg. Number: 18094 - T

First issue date: 2019-09-09 Last change date: 2019-09-09

Valid Until: 2022-09-08 IATF Number: 0359022

Quality Management System Certificate
IATF 16949:2016

We certify that the Quality Management System of the Organization:

SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.

Is in compliance with the standard IATF 16949:2016 for the following products/services:

Manufacturing of aluminum parts and profiles by billet casting, extrusion, machining, anodizing and painting.

Chief Operating Officer
Giampiero Balcredi

Exclusions: 8.3 related to the product design

This certificate is issued in conformity with IATF Rules – Fifth Edition. Maintenance of the certification is subject to annual survey and dependent upon the observance of Kiwa Cermet Italia contractual requirements.

This certificate is composed of 1 page.

SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.
Certified Sites
- Ergene-1 OSB, Vakıflar OSB Mah. D100 Cad. No: 13/1, Ergene Tekirdağ - Turkey

Support Functions
SİSTEM ALÜMİNYUM SAN. VE TİC. A.Ş.
- HQ Akçaburgaz Mh, 3005, Sok. No: 4, Esenyurt, İstanbul - Turkey
(Sales, Strategic planning, Finance)

Kiwa Cermet Italia S.p.A.
Società con sede unica
soggetta all'attività di
distribuzione e coordinamento di
Kiwa Italia Holding Srl
Via Carboni, 22
40022 Gossolengo (BO) Emilia
ROU
Tel. +39 051 499.3.111
Fax +39 051 703.392
Email: info@kiwacermet.it
www.kiwa.it

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС TR.HA36.H03297
Срок действия с 27.12.2018 по 26.12.2021
№ 0322539

ОРГАН ПО СЕРТИФИКАЦИИ RA.RU.10HA36

Орган по сертификации продукции ООО "ТНС" Адрес: 236038, РОССИЯ, Калининградская область, г. Калининград, ул. Ю.Гагарина, д. 16, стр. Г, оф. 3, 4, 5. Телефон 8-917-623-5741, адрес электронной почты: tns-oo@yandex.ru

ПРОДУКЦИЯ
А2, ПВД-покрытые алюминиевые композитные облицовочные панели с минеральным наполнителем общей толщиной от 4 мм до 6 мм. Толщина алюминиевого листа составляет от 0,4 мм до 0,50 мм. В1; ПВД-покрытые алюминиевые композитные облицовочные панели с минеральным наполнителем общей толщиной от 3 мм до 6 мм. Толщина алюминиевого листа составляет от 0,3 мм до 0,50 мм. ALUTECHBOND 100 A2, ALUTECHBOND 100 B1.
Серийный выпуск.

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
технической документацией изготовителя

ИЗГОТОВИТЕЛЬ SISTEM ALUMINIUM SANAYI VE TICARET A.S. Адрес: ТУРЦИЯ, ERGENE – 1 OSB, VAKIFLAR OSB MAH. D100 CAD. NO:13/1 ERGENE TEKIRDAG – TURKEY, телефон/факс: 0212 886 87 87, адрес электронной почты: sistem@sistemaluminum.com.tr.

СЕРТИФИКАТ ВЫДАН SISTEM ALUMINIUM SANAYI VE TICARET A.S. Адрес: ТУРЦИЯ, ERGENE – 1 OSB, VAKIFLAR OSB MAH. D100 CAD. NO:13/1 ERGENE TEKIRDAG – TURKEY, телефон/факс: 0900 0212 886 87 87, адрес электронной почты: sistem@sistemaluminum.com.tr (EMAIL).

НА ОСНОВании Протокол испытаний № 002/V-27/12/18 от 27.12.2018 года, выданный Испытательной лабораторией "Орион" (аттестат аккредитации РОСС RU.1578.04.00.НЮ.И.109)

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ

Срок действия: 3
Руководитель органа
Эксперт
С.Е. Федоров
И.Р. Демин

Сертификат не применяется при обязательной сертификации

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС TR.B901.H00763
Срок действия с 26.03.2018 по 25.03.2021
№ 2095444

ОРГАН ПО СЕРТИФИКАЦИИ рег. № RA.RU.11B901

Продукция Общество с ограниченной ответственностью "Тарант-Тест". Место нахождения: Российская Федерация, 125424, город Москва, Волоколамское шоссе, дом 73, фактический адрес: Российская Федерация, 150009, город Москва, улица Тверская, дом 20, строение 1, этаж 6, помещение № 1а, комната № 1; помещение № 1 комната № 4, телефон: +74957413350, электронная почта: gwarant-test@yandex.ru. Аттестат аккредитации № RA.RU.11B901, выдан 02.06.2017 года

ПРОДУКЦИЯ
Панели облицовочные алюминиевые композитные с наполнителем из ПВД или ПВХ общей толщиной от 3 мм до 6 мм, толщина алюминиевого листа от 0,18 мм до 0,50 мм, модели: ALUTECHBOND 100, ALUTECHBOND 200, ALUTECHBOND 300, ALUTECHBOND 400. Серийный выпуск

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ 2208-2007. Фольга, ленты, полосы, листы и плиты латунные. Технические условия (с Изменением N 1)

ИЗГОТОВИТЕЛЬ SISTEM ALUMINIUM SANAYI VE TICARET A.S. Место нахождения и адрес места осуществления деятельности: ERGENE – 1 OSB, VAKIFLAR OSB MAH. D100 CAD. NO:13/1 ERGENE TEKIRDAG-TURKEY, Турция

СЕРТИФИКАТ ВЫДАН SISTEM ALUMINIUM SANAYI VE TICARET A.S. Место нахождения и адрес места осуществления деятельности: ERGENE – 1 OSB, VAKIFLAR OSB MAH. D100 CAD. NO:13/1 ERGENE TEKIRDAG-TURKEY, Турция

НА ОСНОВании Протокола испытаний № СД/4/032018-808/1 от 26.03.2018 года, выданного Испытательной лабораторией Общества с ограниченной ответственностью "РСТ-ГРУПП", аттестат аккредитации РОСС RU.31112.ИЛ.00011

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ

Срок действия: 3
Руководитель органа
Эксперт
С.Е. Федоров
И.Р. Демин

Сертификат не применяется при обязательной сертификации

РОССИЙСКАЯ ФЕДЕРАЦИЯ
СЕРТИФИКАТ СООТВЕТСТВИЯ
(обязательная сертификация)

№ C-TR.PB25.B.03035 TP 1388675

ЗАЯВИТЕЛЬ "SISTEM ALUMINIUM SANAYI VE TICARET A.S." Адрес: Sakmakli Mevkii Akcaburgaz Mah. 58. Sok. No:4 Irac-Esenyurt/ISTANBUL 34522, Турция. Телефон +90 212 886 87 87, факс +90 212 886 53 29. E-mail: sistem@sistemaluminum.com.tr.

ИЗГОТОВИТЕЛЬ "SISTEM ALUMINIUM SANAYI VE TICARET A.S." Адрес: Sakmakli Mevkii Akcaburgaz Mah. 58. Sok. No:4 Irac-Esenyurt/ISTANBUL 34522, Турция. Телефон +90 212 886 87 87, факс +90 212 886 53 29. Адрес производства: Ergene-1 OSB, Vakiflar OSB Mah. Istanbul Caddesi No:21A/A Ergene/TEKIRDAG 59930, Турция

ОРГАН ПО СЕРТИФИКАЦИИ ОС "ТПБ СЕРТ" ООО "Технологии пожарной безопасности". Россия, 141315, Московская область, г. Сергиев Посад, Московское шоссе, д. 25, тел. (499) 4098725, info@tpb-cert.ru. ОГРН: 1085038002906. Аттестат аккредитации № ТРПБ.RU.PB25 выдан 03.10.2013 Федеральной службой по аккредитации "Росаккредитация".

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ПРЕДСТАВЛЕННЫЕ ДОКУМЕНТЫ (документы, подтверждающие соответствие к требованиям к качеству продукции, на соответствие требованиям нормативных документов, на соответствие требованиям нормативных документов)

СРОК ДЕЙСТВИЯ СЕРТИФИКАТА СООТВЕТСТВИЯ с 07.04.2015 по 06.04.2020

Руководитель (заместитель руководителя) органа по сертификации
Эксперт (эксперты)

Ю.Н. Гришин
Д.А. Капранов

70 IFTB
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Jednostka notyfikowana nr 1488 | Czołonek EOTA | Certyfikaty akredytacji PCA nr: AB 023
ZAKŁAD BADAŃ OGNIOWYCH | 02-656 Warszawa | ul. Ksawerów 21 | tel. 22 853 34 27 | fax 22 847 23 11 | fire@itb.pl | www.itb.pl

KLASYFIKACJA W ZAKRESIE REAKCJI NA OGIEŃ wg PN-EN 13501-1+A1:2010

Numer umowy: 02909/14/Z00NP

Zleciennodawca:	MGT Corp. Sp. z o.o. ul. Wyspiańskiego 37 32-050 Skawina
Opracowana przez:	Zakład Badań Ogniwowych Instytutu Techniki Budowlanej ul. Filtrów 1 00-611 Warszawa
Nazwa wyrobu:	Płyty Alutechbond FR (płaskie)
Raport klasyfikacyjny nr:	02909.2/14/Z00NP
Wydanie numer: 1	Egzemplarz nr: 1
Data wydania:	2015.06.09

Niniejszy raport klasyfikacyjny składa się z pięciu stron, może być używany lub powielany wyłącznie w całości.

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Niniejszy raport klasyfikacyjny określa klasyfikację nadaną dla płyt Alutechbond FR (płaskich) zgodnie z procedurami podanymi w PN-EN 13501-1+A1:2010.

2. Szczegółowe informacje o klasyfikowanym wyrobie
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PKO S.A. O/Warszawa | ul. Nowogrodzka 11 | 00-613 Warszawa | nr konta 7712405918111000049134566 | www.itb.pl |
instytut@itb.pl

