



2009/9
ABB
KALİTE
ÖDÜLÜ



plastherm®
PVC DOOR & WINDOW SYSTEMS

PLASTHERM

Değerli PVC Pencere Üreticileri;

İçinde bulunduğuuz ekonomik durum, rekabeti kökülemekte

ve siz üreticiler için çok daha zor şartlar oluşturmaktadır.

Sektör de isim yapmış firmalar ise üreticilere destek olmaktan ziyade, salt kendi profilерinin satışı için, bir nevi sizleri yükleyerek ödeme baskısı altına almakta ve işlerinizi zorlaştırmaktadırlar. Ashına bakarsanız bir profiline, reçetesine ve üretim standarı %95 birbirinin ayındır.

Farkın hizmete olması gerekmektedir. Bizler 12 yılı aşkın süredir sektörün içinden geliyoruz. Üretim ne, profil ne, rekabet ne, çok iyi biliyoruz.

Bu bildiklerimizi siz değerli üretici arkadaşlarınızla paylaşmak ve ekonomik koşulların oluşturduğu bu zor şartlarda, sizlere hem bir fırsat sunmak hem de destek olmak istiyoruz.

Bu amaçla, kalitesinde hiç kimsenin kusur bulamayacağı, hizmetinde de kusursuz olmaya kendimizi programladığımız yeni bir profili sizlerin kullanımına sunuyoruz. Bol kazançlı günler dileğiyle...

Dear u-PVC Window Fabricator,

The current economical situation fosters the competition and forms tough conditions for you. The leading famous companies in the sector take you under payment pressure by loading you with their own product, harden your activities just for selling their own profiles without paying no attention to your critical status.

Actually, the recipe of u -PVC profile and the production standard are 95 % same of each other. The difference should be in service.

We have been in the sector for more than 10 years .So, we know what production is, what profile is, and what competition is very well.

We would like to share all our know-how with you and support you by offering new opportunities and quite favorable conditions.

For this purpose, we are at your disposal with highest service quality in supplying perfect product.

Company Profile

Plastherm is one of the leaders in the sector for over 12 years, producing PVC Window and Door systems with highest technology.

Our major concern is to produce environment-friendly products and to give life-long customer satisfaction.

Exporting our products to more than 10 countries throughout the world, our vision is to expand and offer this quality and esthetics to many customer as we can.

Hoping that this catalogue will be a bright guideline for you to overview our company, our products, application procedure and our quality, we would like to thank you for choosing Plastherm quality and service.

General Manager



Quality Assurance Manager



Plastherm PVC Profil Sistemi

Hammadde kabulden, profil üretimine kadar; üretimin her aşamasında eksiksiz ve kesintisiz yapılan kalite kontrolleri sürekli güvenilirliği sağlamaktadır. Yağmur nem ve güneş, mevsimsel ısı farklılıklar gibi harici unsurların PVC profilleri üzerindeki etkisi ve profillerin bu dış etkilere dayanıklılığı Plastherm'in ileri teknoloji ürünü cihazlarla yaptığı sürekli test edilir. Köşe kaynak direnci, yağmur sızdırmazlığı ve dış doğal etkilere karşı renk hassasiyeti, basınç altındaki mekanik mukavemeti gibi teknik özellikler konusunda, üretim sürekli denetlenir. Bunun neticesinde mükemmel ürünler elede edilir.

Plastherm PVC Profile System

Starting with purchasing of raw materials, forward profile production quality control is supplying confidence without faults and interrupts in each phase of production. Influences of exterior factors, as sun rays, rain, moisture and seasonal temperature's differences, upon PVC profiles and its resistability is continually passing through the tests in with apparatus aquipped laboratory. Thanks to this, perfect profile is obtained as a result. Corner weld strength, air and rain isolation, colors' persistance under effects of natural conditions, mechanical strength, and under pressure effects are being continuously verified in production



Sert PVC maddesinin kimyasal özellikleri

Asitlere, bazlara, yıkama maddelerine (deterjan, sabun), alkollere, yağlara (bitkisel, hayvansal), karbonik asite, benzin veya suya dayanıklıdır. Malzeme alev almaz, alev aktarmaz, ateş kaynağı uzaklaştırıldığında alevi söner. (DIN 4102 kısım 4'e göre B 2 sınıfına girmektedir)

Sert PVC maddesinin Fiziksel Özellikleri

a) Ortalama yoğunluk	1.38-1.4 g/cm ³
b) Ortalama genleşme katsayısı	8010 K
c) Isı iletkenliği	0.13 kcal/m ² C° (TS 201)
d) Esneklik (Elastiklik) modülü	20.00 N/mm ² (TS 13981)
e) Yüzey direnci	10 Ohm (TS 201)
f) Çekme mukavemeti	37.5 N/mm ²
g) Çentik darbeli eğilme mukavemeti	13 KJ/m ² (TS 1004)

Plastherm PVC Profile Sistemi

Plastherm PVC profilleri 60 mm. genişliğinde ve 4 odalıdır.

Plastherm PVC pencere profilleri özel katkılı sert PVC'den üretilmektedir. Bu özelliği ile ultraviolet ışınlarına, sıcğa ve ateşe son derece dayanıklıdır. -45°C ile 45°C'de etkilenmezler.

Plastherm PVC sisteminde tek cam veya çift cam uygulamasında co-extruderli kendinden contalı çitalar sayesinde yağmur-güneş, soğuk-sıcak gibi her türlü hava şartlarına ve kimyasal etkilere karşı dayanıklıdır. PVC Pencere sistemleri boyta bakım istemez.

Plastherm PVC Pencere sisteminde sızdırmazlık contaları olarak EPDM kauçuk contalar kullanılmaktadır.

Pencerelerdeki EPDM contaları; en olumsuz iklim şartlarında bile işlevini yerine getirerek tam bir kapsama ve kavrama sağlar. Böylelikle derzlerde oluşan hava infiltrasyonunun satandartlara müsaade edilen miktarın çok altında olması sağlanır.

Profillerin içlirene yerleştirilen galvanizli çelik destek sacları rüzgar güçlerine ve çeşitli darbe etkilere karşı direnci artırmaktadır.

DOĞRAMA MALZEMELERİNİN ISI YALITIM DEĞERLERİ (DIN 4108)

MATERİYAL CİNSİ	ISI YALITIM KATSAYISI
AHŞAP	0.12 kcal/m ² h°C
PLASTİK	0.13 kcal/m ² h°C
DEMİR	50 kcal/m ² h°C
ALÜMİNYUM	175 kcal/m ² h°C

Plastherm PVC pencere sistemi her türlü hava şartlarında toz, su, ısı ve sesi karşı yüksek derecede izolasyon sağlar.

Kapalı mekanların ısıtılması ve soğutulmasında dikkat edilmesi gereken önemli noktalardan biri, mekanın yapı elemanlarının ısı iletkenlik özelliğidir. Bina içi ısma ve soğutma veriminin yükseltilmesi için seçilecek en etkin yollardan biri tercihen "yalıtkan" malzemelere yönelik olmalıdır. PVC bu malzemelerden biridir.

PVC'nin ısı iletkenlik katsayısı 0.13 kcal/m² h°C'dir. Aynı tabloda metallerin yüksek düzeyde iletken bir malzeme olduğu ise çok açık görülmektedir.

PVC doğrama kullanıldığı zaman

- Pencerelerdeki ısı kaybı, ahşaba göre % 30-35, normal Alüminyum doğramaya göre ise % 25-39 oranında azalmaktadır.
- Kalorifer tesisatında özellikle radyatör dilimi ve grubu azalmakta, kazan küçülmekte, ısınma ve tesisat malzemesi ihtiyacı düşmektedir. Diğer malzemelerin çift camlı maksimum ısı yalıtım değerleri ise tabloda görülmektedir.
- Plastherm Pencere Sisteminde Isıcam kullanıldığında ısı yalıtım değeri 2,5 W/m²K olmaktadır. Bu değer çoğu Avrupa ülkesinde kabul edilen standart değerlerin üstündedir.

Alüminyum -Ahşap-PVC Pencere Sistemi
PENCERE TİPİ
ÇIFT CAMLI BASIT ALÜMİNYUM PENCERE SİSTEMİ
ÇIFT CAMLI CONTALI AHŞAP PENCERE SİSTEMİ
ÇIFT CAMLI PVC PENCERE SİSTEMİ

K (Katsayı değeri)
ISI KATSAYI DEĞERİ
K=5.6W/m.K
K=3.0W/m.K
K=2.0W/m.K

Chemical properties of solid PVC material

Resistant to acids, bases, cleaning substances (detergent, soap), alcohols, fats (vegetable, animal), carbonic acid, petroleum or water. The material is not flammable, not flame conductant, flame disappears when flame source is away. (Class B2 according to DIN 4102 part 4)

Physical properties of solid PVC material	
a) Average density	1.38-1.4 g/cm ³
b) Average expansion coefficient	8010 K
c) Heat conductivity	0.13 kcal/m ² h °C (TS 201)
d) Elasticity module	20.00 N/mm ² (TS 13981)
e) Surface resistivity	10 Ohm (TS 201)
f) Shrinking resistivity	37.5 N/mm ²
g) Dint strike bending resistance	13 KJ m ² (TS 1004)

Plastherm PVC Profile System

Plastherm PVC profiles has 60mm. width and has 4 rooms.

Plastherm PVC window profiles are produced from solid PVC containing special additives. This properties gives the material extreme resistancy for uv lights, heat and flame. Solidity remains stable btw -45°C and +45°C.

In Plastherm PVC system, single or double windows have self sealed wood strips with co-extruder, which is resistant to chemical impacts and any kind of weather conditions like rain-sun, cold-hot weather.

In Plastherm PVC window system, EPDM rubber seals are used as gasket. EPDM gaskets in windows provide full grasp and control and so the gasket performs sharply even in most unwanted weather conditions. Accordingly, the air infiltration collected in channels are far below the quantity standarts allow.

The galvanized steel plates placed inside the profiles for supporting, increases the window resistancy to wind and various strike effects.

Plastherm PVC window system has high isolation values for dust, water, heat and sound in any kind of weather condition.

In closed enviromental heating and cooling, one of the most important aspects is the heat conductivity of environment's structural elements. In buildings, the most efficient way for heating and cooling is to choose insulative materials. PVC is one of them. PVC's heat conductivity coefficient is 0.13 kcal/m²h°C. In the same table metals obviously seem to be highly heat conductive.

THE HEAT ISOLATION VALUES FOR CARPENTRY MATERIALS (DIN 4108)	
MATERIAL TYPE	HEAT ISOLATION COEFFICIENT
WOOD	0.12 kcal/m ² h°C
PLASTIC	0.13 kcal/m ² h°C
IRON	50 kcal/m ² h°C
ALUMINIUM	175 kcal/m ² h°C

When PVC carpentry is used

- The heat loss is %30-35 less than wood and %25-39 less than the normal aliminium carpentry.
- In central heating system especially, less cellular radiator unit and group is used, furnace gets smaller and heating and installation materials are less used. Other materials' double glass maximum heat isolation values are shown in the table.
- In Plastherm window system, when Isicam is used, the heat isolation value is 2,5 W/m²K, is higher than the standarts accepted in most of the European countries today.

Aluminium -Wood-PVC Window System	K (Coefficient Value) HEAT COEFFICIENT VALUE
WINDOWTYPE DOUBLE GLASS SIMPLE ALUMINIUM WINDOW SYSTEM	K=5.6W/m...K
DOUBLE GLASS GASKET WOOD WINDOW SYSTEM	K=3.0W/m...K
DOUBLE GLASS PVC WINDOW SYSTEM	K=2.0W/m...K

Plastherm PVC Profil Sistemi

- 60 mm kasa genişliği
- 66 mm kasa yüksekliği
- 4 odaklı sistem sayesinde mükemmel ve sorunsuz ısı su ve ses izolasyonu
- 2° eğimli su tahliye kanalları
- 4-6 mm Tek cam 20-24-30 mm isicam uygulama imkanı
- Tek tırnaklı kolay sökülüp takılabilen Tek ve Çift cam çtası
- Tek tip destek sacı uygulaması (kasa, orta kayıt) uygulaması
- Su tahliye kanallarında dış cidar ile iç cidar arasındaki şarşıtmadan dolayı, tahliye edilen yağmur suyunun rüzgarın etkisi ile içeri girmesi engellenir. Ayrıca destek sacı bölümünü temas etmeyen bu kanallar havalandırmayı da sağlar.
- Profil altı tırnaklar sayesinde rahatlıkla takılıp sökülme ve doğramanın montajı esnasında teraziye alma kolaylığı ve ısı transferinin minimum olması.
- Mevsim şartlarından minimum etkilenme maksimum dayanıklılık
- Pancur uygulama imkanı
- Ahşap desenli lamination uygulaması
- Her türlü mimariye uygun estetik tasarım

Isicam Ses Yalıtım Değerleri Double Glass Noise Isolation Value	
КОЭФФИЦЕНТ ЗВУКОИЗОЛЯЦИИ СТЕКАЛОПАКЕТА	
Cam Tipi/ Glass Type	Ses Yalıtımı / Noise Isolation
Тип Стеклопакета	Звукоизоляция
4+12+4	42 Db
4+16+4	54 Db

Plastherm PVC Profil System

- 60 mm profile width
- Perfect and non-problematic heat, water and sound isolation due to 4 room system
- Water extruder channels with 2° slope
- 4-6 mm single window, 20-24-30 mm isicam application possible
- Single nailed, easy montable Single and Double window glass strips
- Single type support plate application (profile, wing, middle stand)
- The extruded rain water is disabled to re-enter the profile due to the level difference between inner and outer channels. As those channels do not intersect with supprt plate, they allow ventilation.
- Easy mountability with under profile nails and easy to take the carpentry onto balance as well as low heat loss.
- Minimum influence from weather conditions, maximum durability
- Window shutter application available
- Wood design lamination application
- Esthetic and original design compatible with any architecture

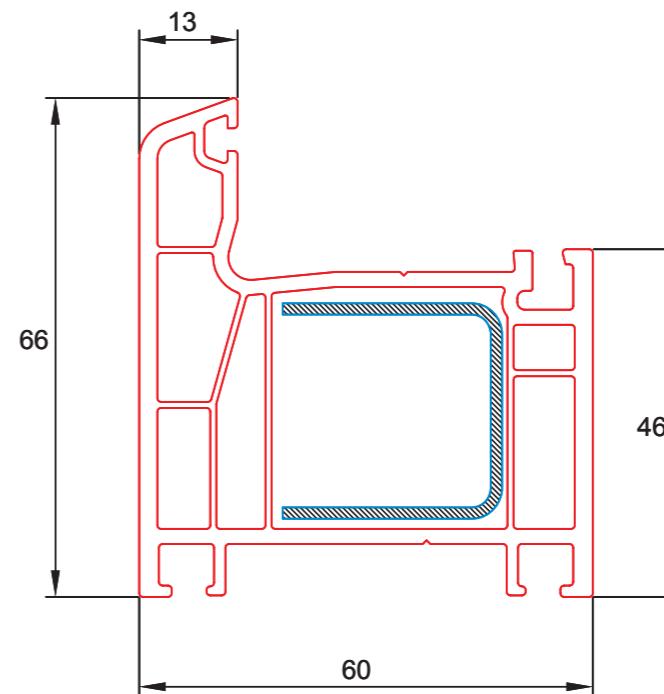
PVC Profil Ses Yalitimi / PVC Profiel noise isolation value
ЗВУКОИЗОЛЯЦИИ ПВХ ПРОФИЛЯ

Profil Yüksekliği mm Profil high mm Высота профиля (мм)	Profil Genişliği mm Profil width mm Ширина профиля (мм)	hava geçirgenliği m ³ /h cm Air Diffusion m ³ /h cm Тошчина стекли (мм) m ³ /h cm	Ses Yalitimi mm Noise isolation (Db) Тошчина стекли (мм)
66	60	0,3	50

Особенности Серии

- 60 mm ширина рамы
- 66 mm ширина створки
- Благодаря 4 камерной системе прекрасная тепло- и звукоизоляция
- Дренажный каналы с 2° углом
- Возможность применения стекла 4-6 mm и стеклопакета 20-24-30mm
- Легко монтируемые штапики для стекла и стеклопакета
- Однотипный усилительный профиль (рама, импост)
- Благодаря дренажным каналам осуществляется сброс воды наружу.
- Кроме этого благодаря каналам осуществляется воздухообмен.

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Profil Kanat Boyu K Değerleri / Profile K coefficient values

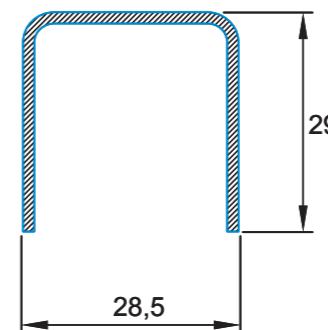
КОЭФФИЦЕНТ ЗНАЧЕНИЯ "K" ДЛЯ СТВОРКИ

Isı geçiş katsayısı glass	Kanat boyu 0,50 Sash h. 0,50 Вдоль створки (0,50)	Kanat boyu 2,20 Sash h. 2,20 Вдоль створки (2,20)
Tek Cam / Single glass / Одно стекло	3.5 W/m ² °K	4.7 W/m ² °K
Cift Cam / Double glass / Стеклопакет	2.3 W/m ² °K	2.5 W/m ² °K
Üçlü Panel / Triple Panel / Панель	1.7 W/m ² °K	2.0 W/m ² °K

NT 101

Kasa Profili / Frame / Rahmen / PAMA

NTD 101

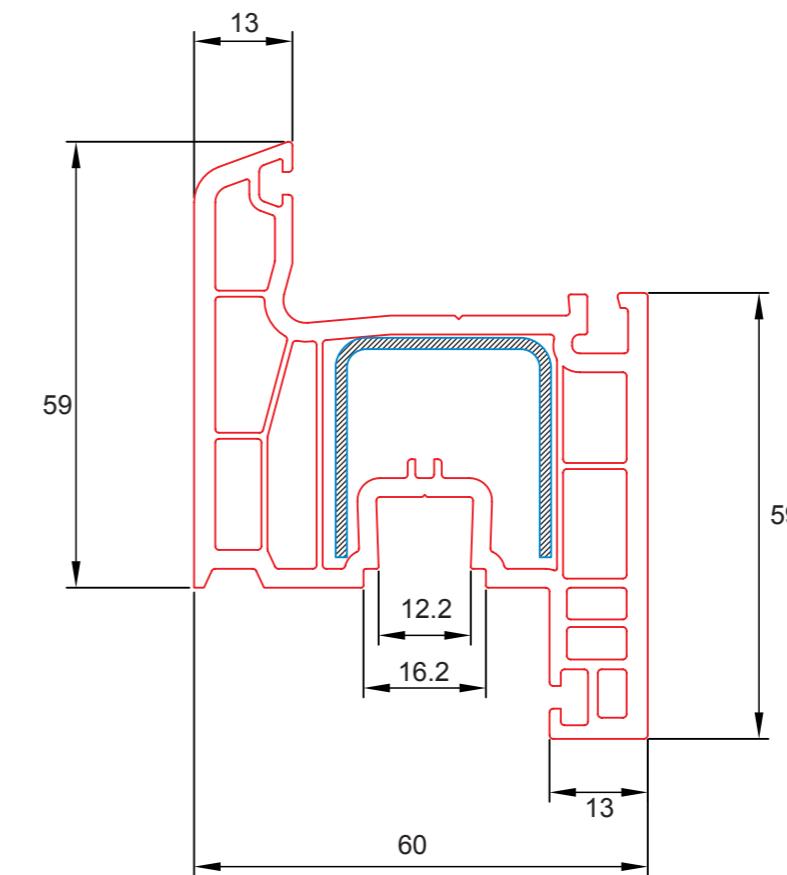
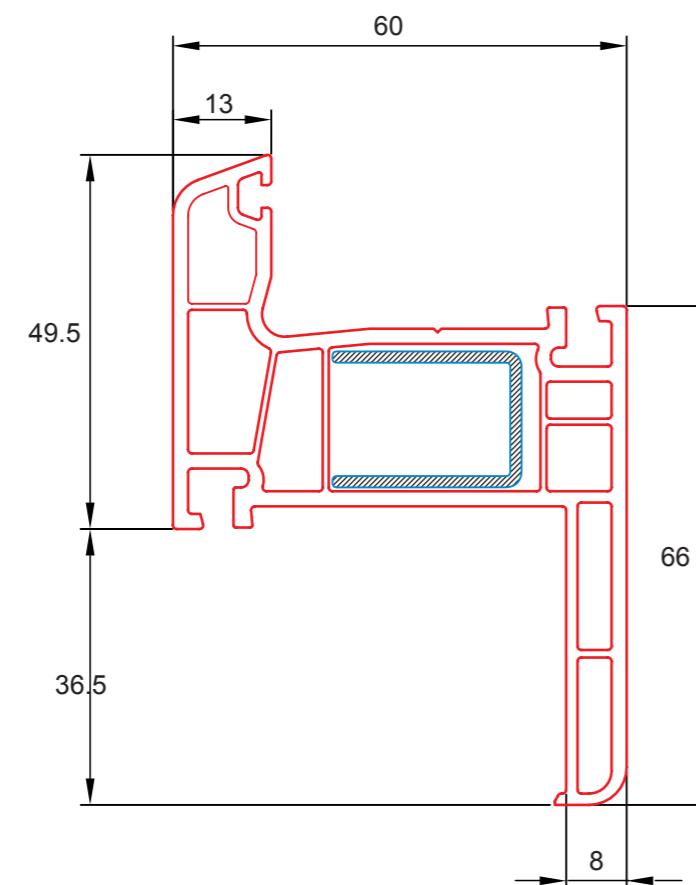


NT201

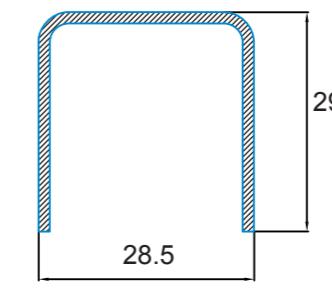
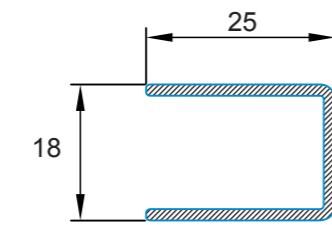
Pervazlı Kasa / Frame With Cornice / Rahmen Z

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NTD201



NT 301

Kanat / Sash / Flügel / СТВОРКА

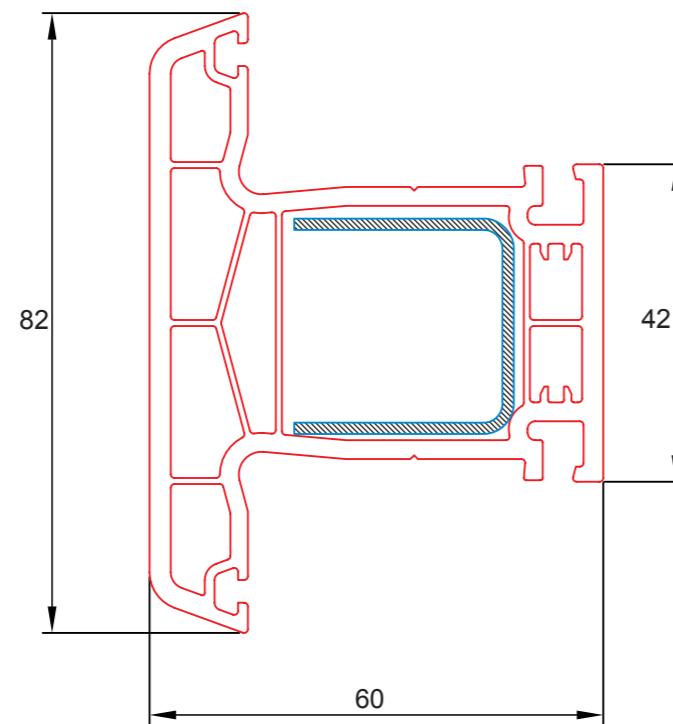
NTD 301

NT401

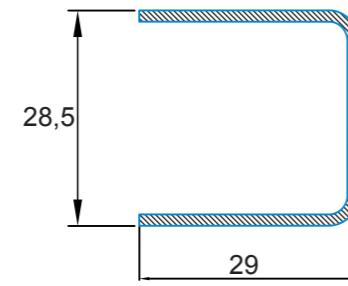
Orta Kayıt / Mullion / Pfosten / импост

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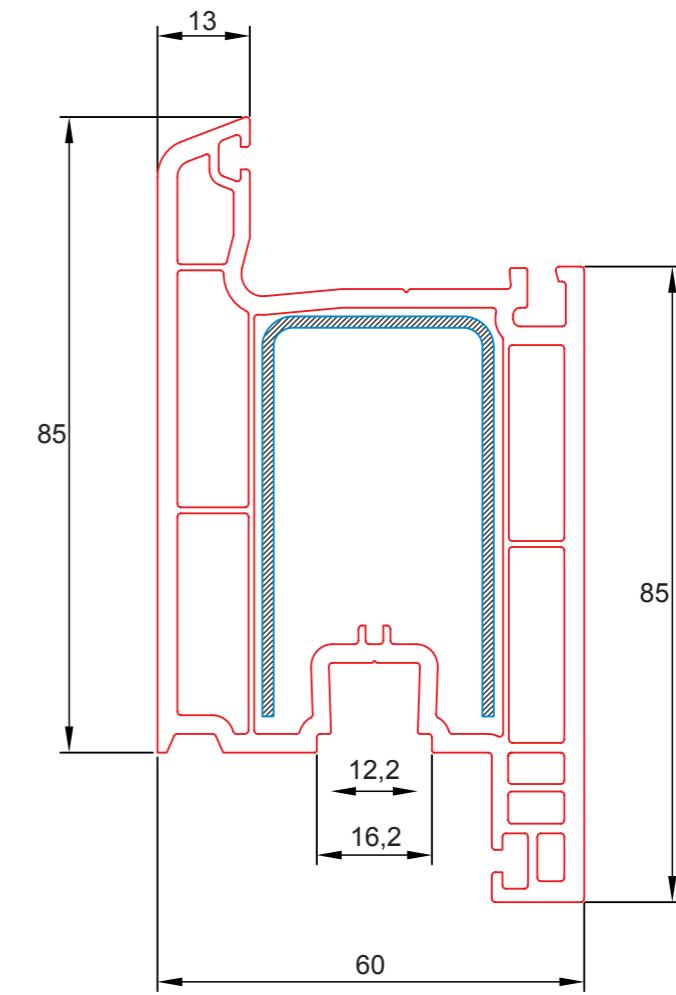
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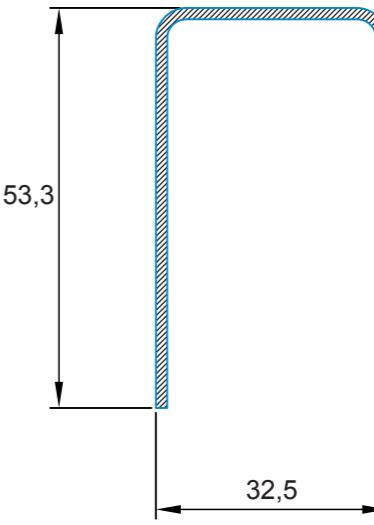
NTD101



12



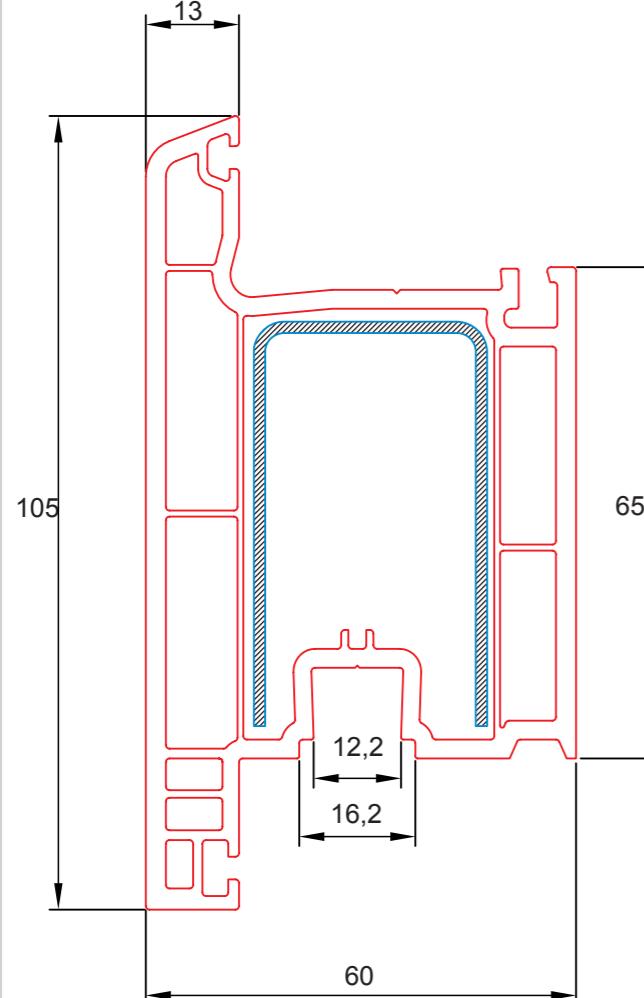
NT501

İçe Açılmı Kapı Kanadı / In Turn Door Sash / Hauster I.Ö.
/ ДВЕРНАЯ СТВОРКА ОТКРЫВАНИЯ

13

NT 601

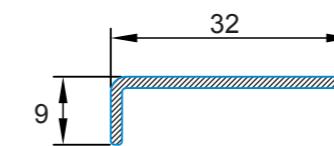
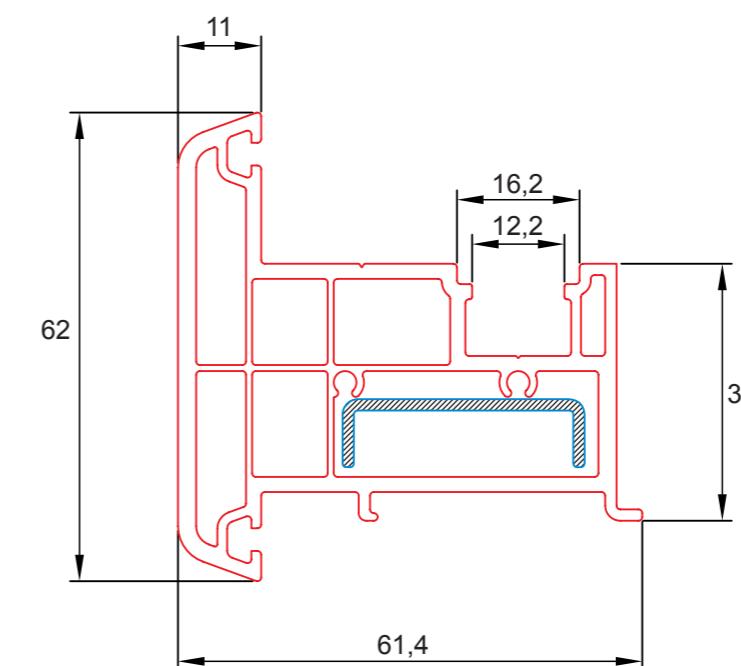
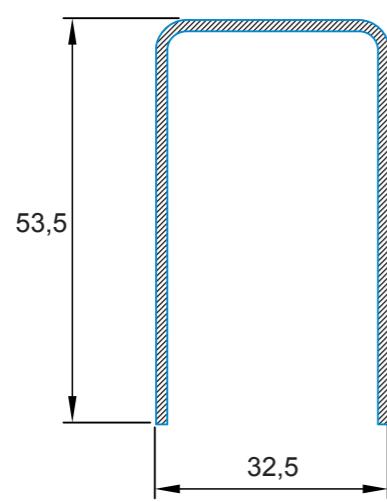
Dişa Açıılır Kapı Kanadı / Out Turn Door Sash / Hauster А.Ö.
/ ДВЕРНАЯ СТВОРКА ОТКРЫВАНИЯ



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NTD 601

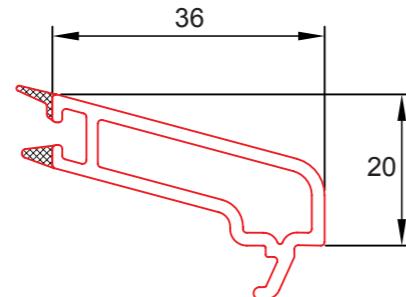
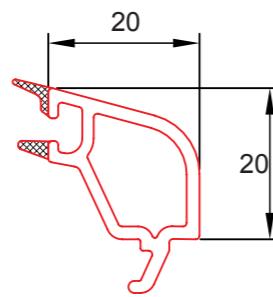


NT701

Haraketli Ortakayıt / False Mullion / Stulp / Штыль

NTD701

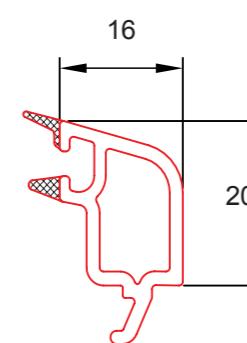
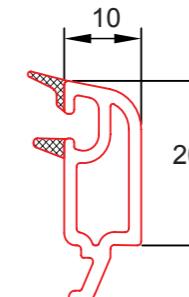
NT 800

Tek Cam Çitası / Single Glazing bead / Einfachverglasung
/ ШАПИК ДЛЯ ОДИНАРНОГО СТЕКЛА**TEK CAM ÇITASI**
SINGLE GLAZING BEAD
EINFACHVERGLASUNG**20MM ÇİFT CAM ÇITASI**
DOUBLE GLAZING BEAD FOR 20MM
20MM VERGLASUNG

NT 850

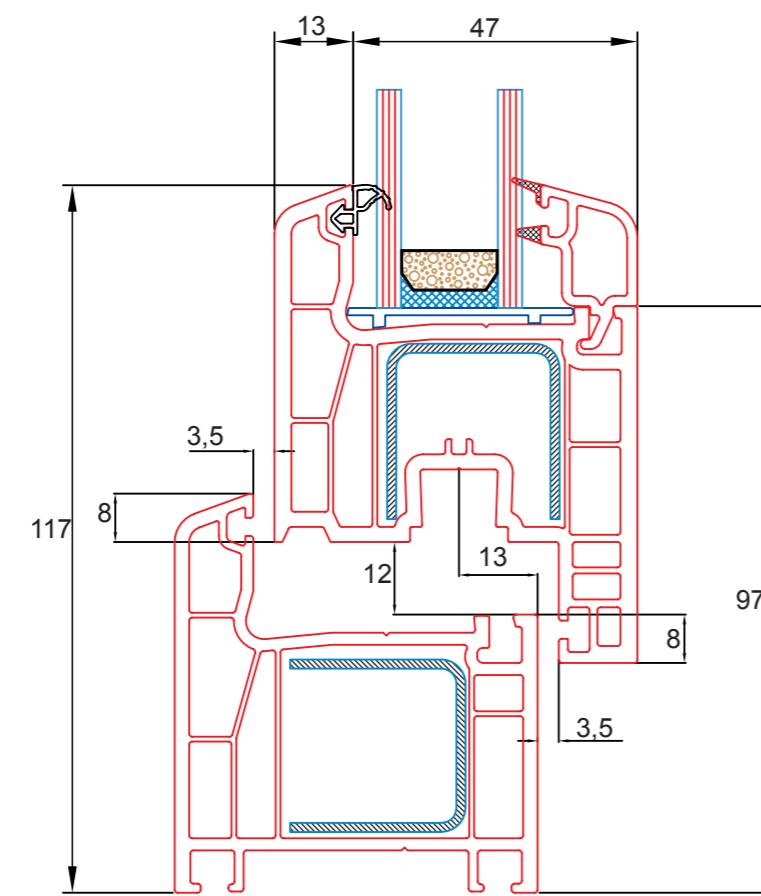
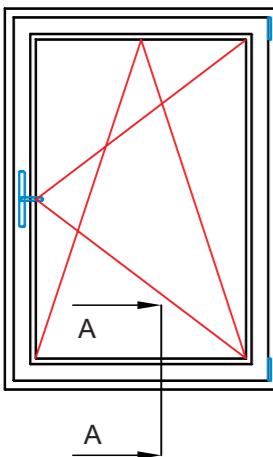
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NT 900

24mm ÇİFT CAM ÇITASI
DOUBLE GLAZING BEAD FOR 24mm
24mm VERGLASUNG**24 mm ÇİFT CAM ÇITASI**
DOUBLE GLAZING BEAD FOR 24mm
24mm VERGLASUNG**30 MM ÇİFT CAM ÇITASI**
THREE GLAZING BEAD FOR 30 MM
3 FACH VERGLASUNG 30 MM

NT 950

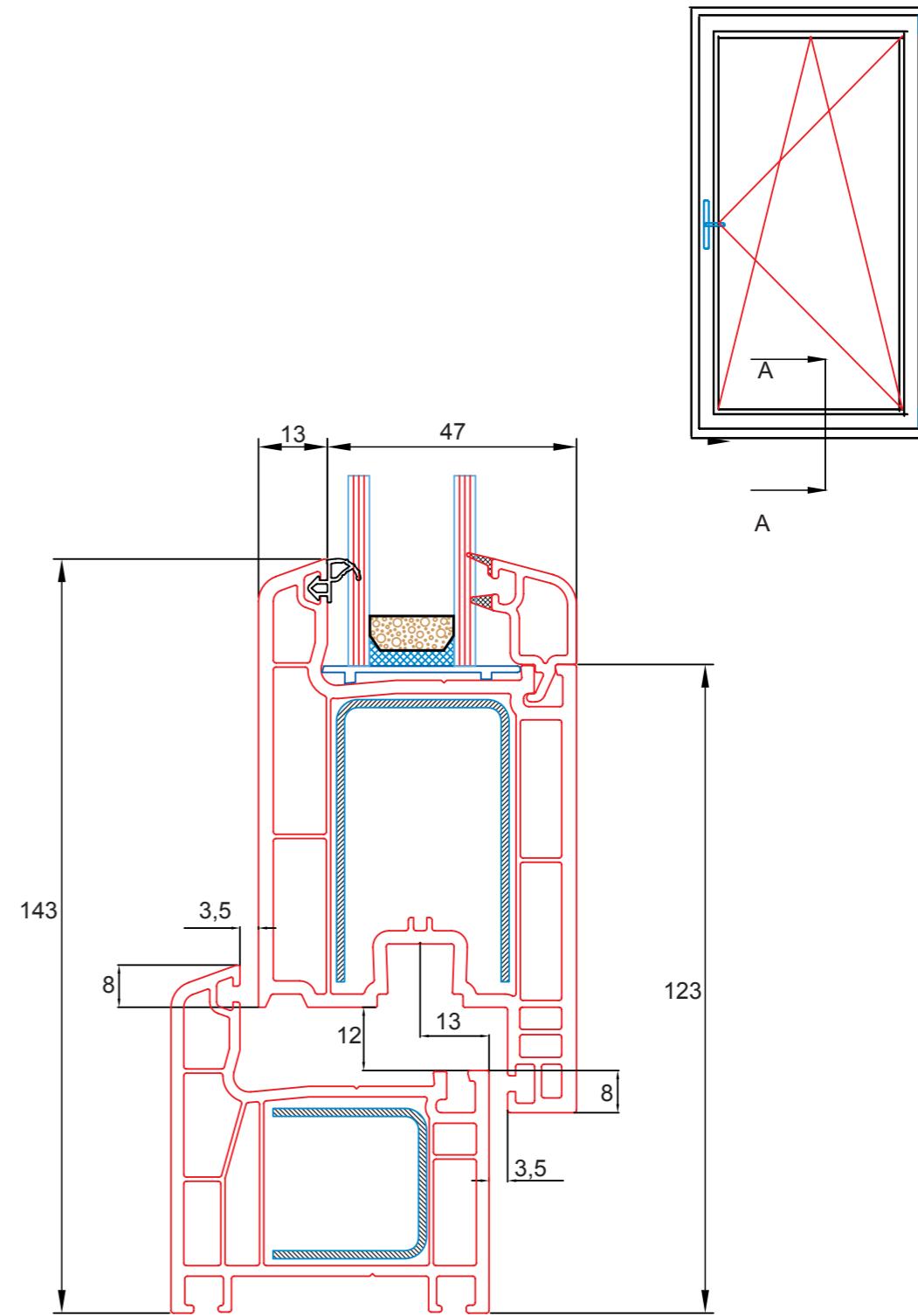
Kesit A-A / Frame -Sash,Cross Section / Schnitt A-A / СТОРКА



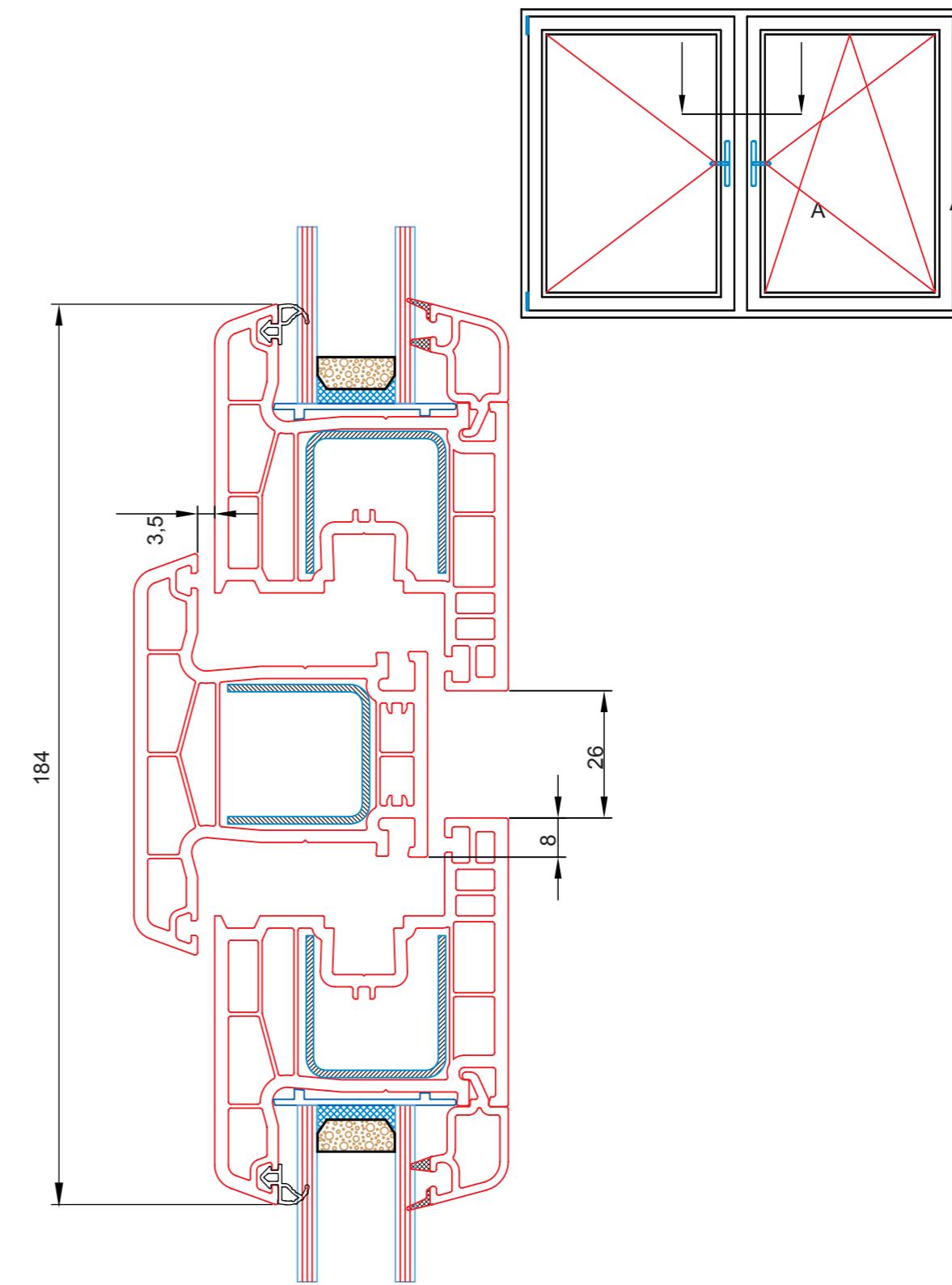
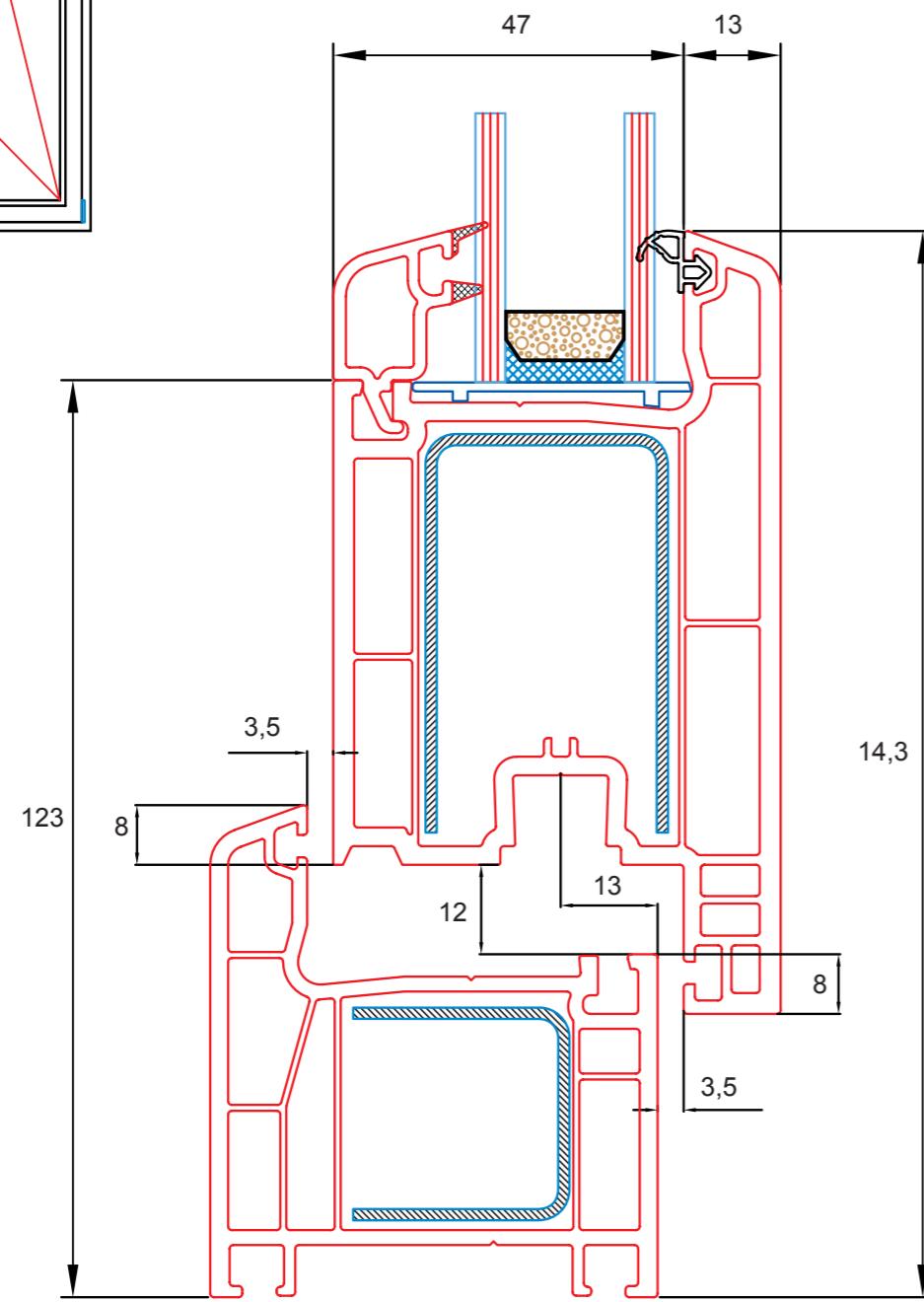
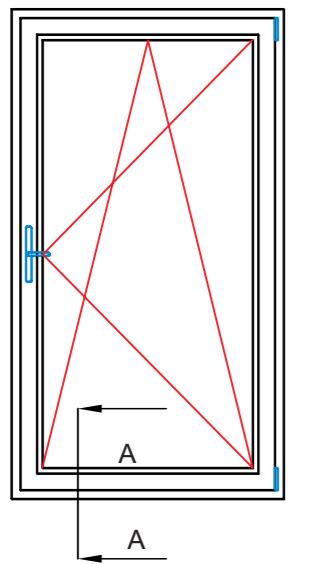
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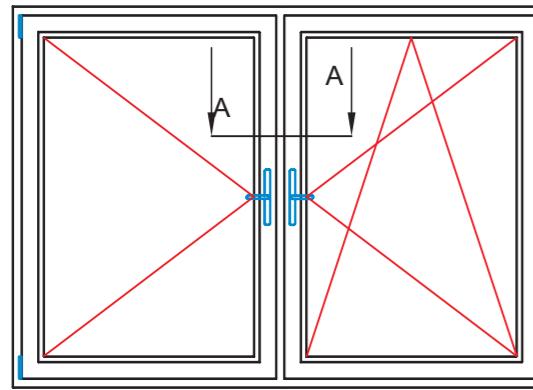
Kesit A-A / Frame -Sash, Cross Section / Schnitt A-A / PAMA



Kesit A-A / Frame - Door Sahs, Coros Section / Schnitt A-A / ДВЕРНАЯ

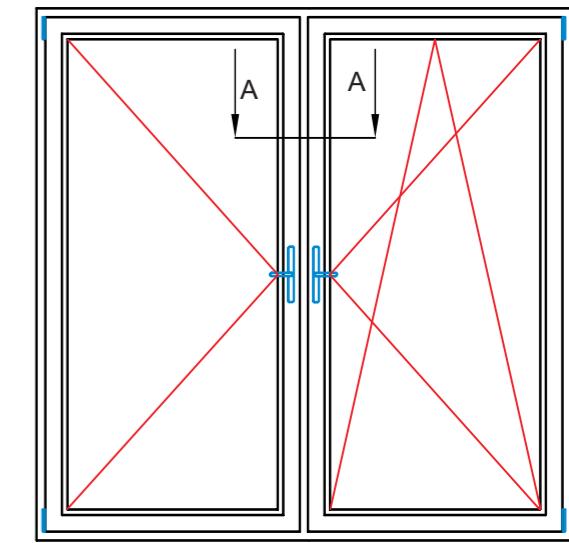
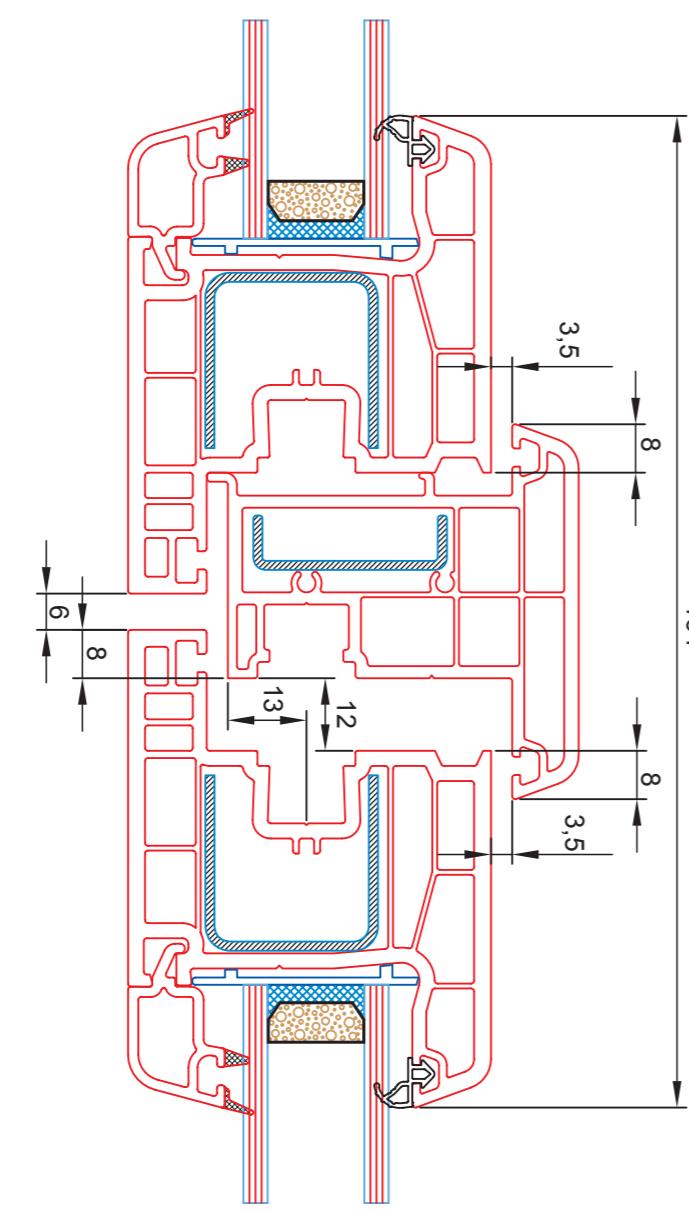


Kesit A-A Sabit Ortakavit uygulaması / Fixed Mullion, Coros Section
(Double Sash Window /Schnitt A-A (Fenster mit pfosten) / импост

Kesit A-A Hareketli Ortakayıt uygulaması / Fixed Mullion, Cross Section (Double Sash Window
/ Schnitt A-A (Fenster mit Stulp) / штукбп

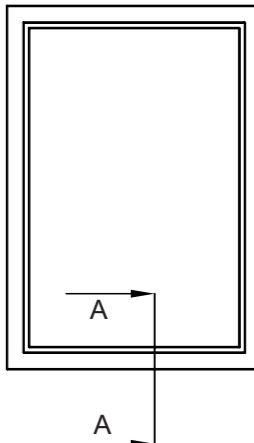
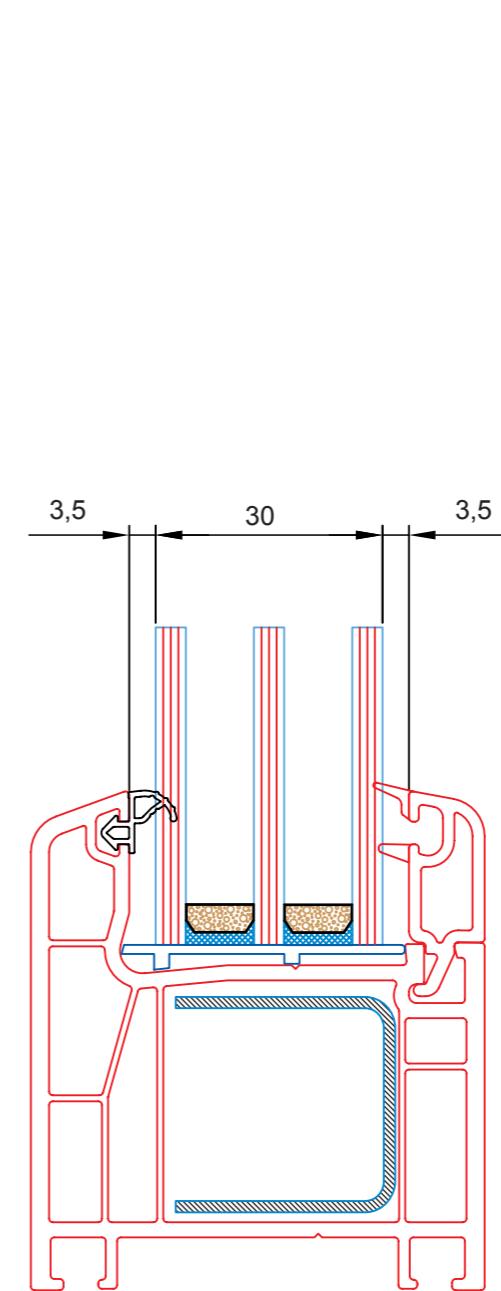
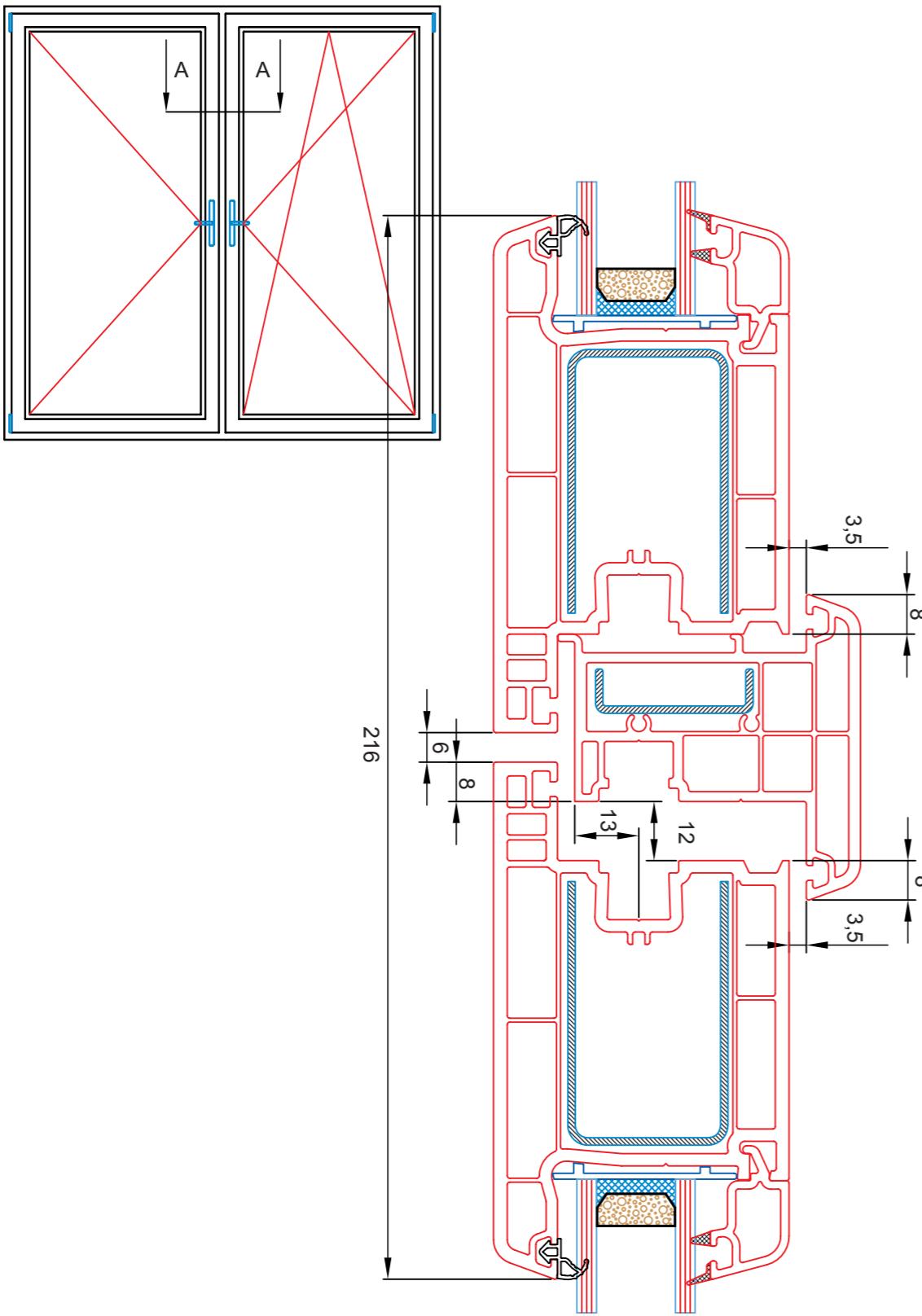
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Kesit A-A (Hareketli Ortakayıt ve Kapı Kanadı Uygulaması) / False Mullion, Cross Section
(Double Sash Out Turn Window) / Schnitt A-A (2.Ö. Fenster Mit Stulp)

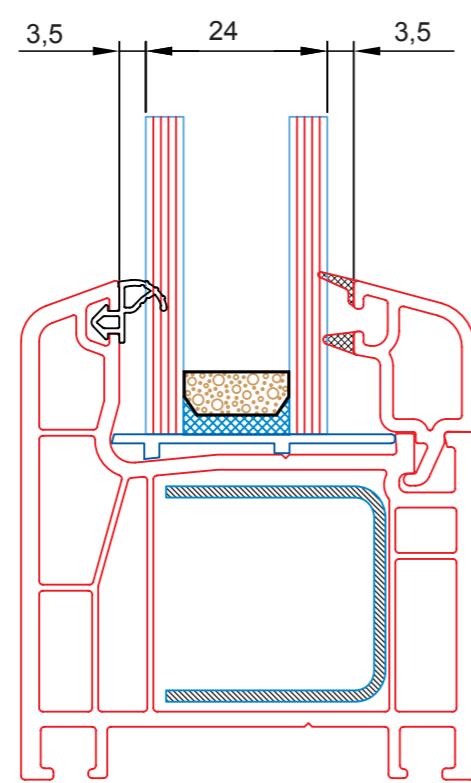
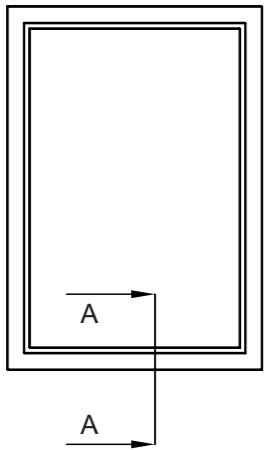
**Kesit A-A (Hareketli Ortakayıt Ve D.A. Kapı Kanadı Uygulaması) / False Mullion, Gross
Section(Double sash Out Turn Window)/ Schnitt A-A (2A.Ö Fenster Mit Stulp)**



**3 Cam Uygulaması 30 mm / Double Glazing For 30mm
/ 2 Fachverglasung 30 mm**

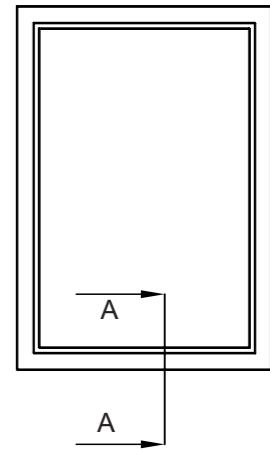
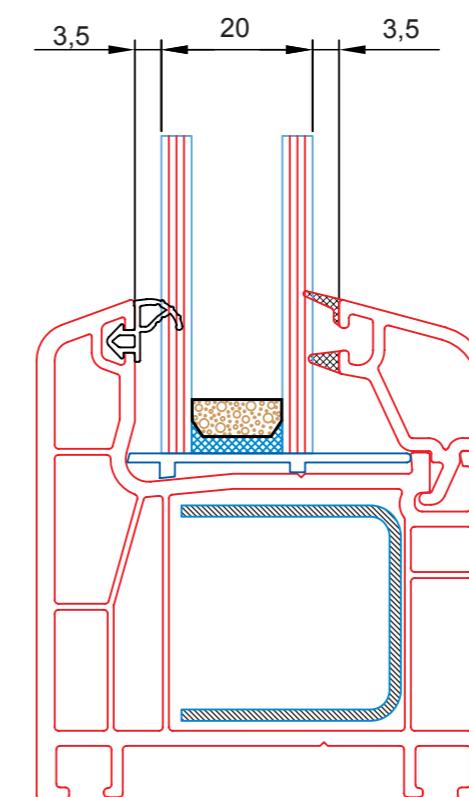
Çift Cam Uygulaması 24 mm / Double Glazing For 24 mm

/2 Fachverglasung 24 mm



1/1

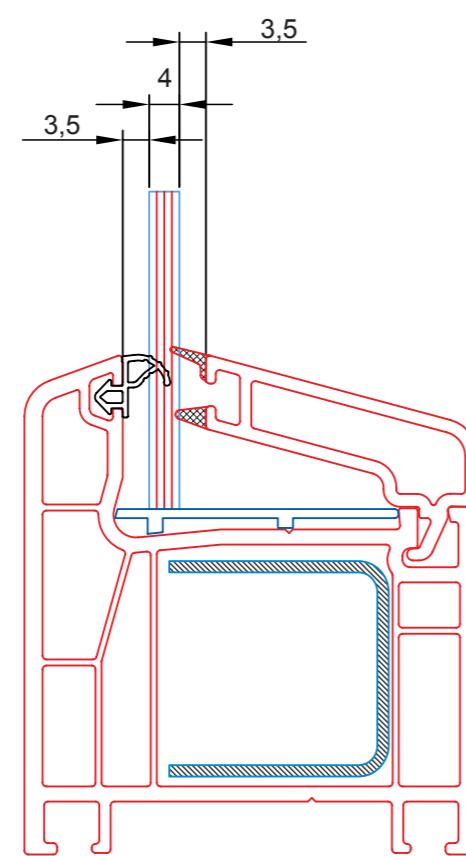
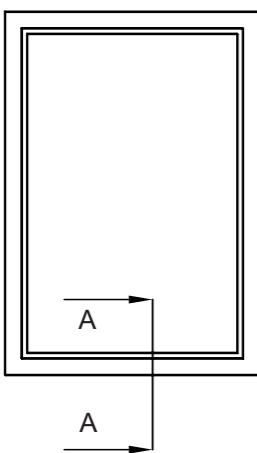
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Çift Cam Uygulaması 20 mm / Double glazing For 20 mm

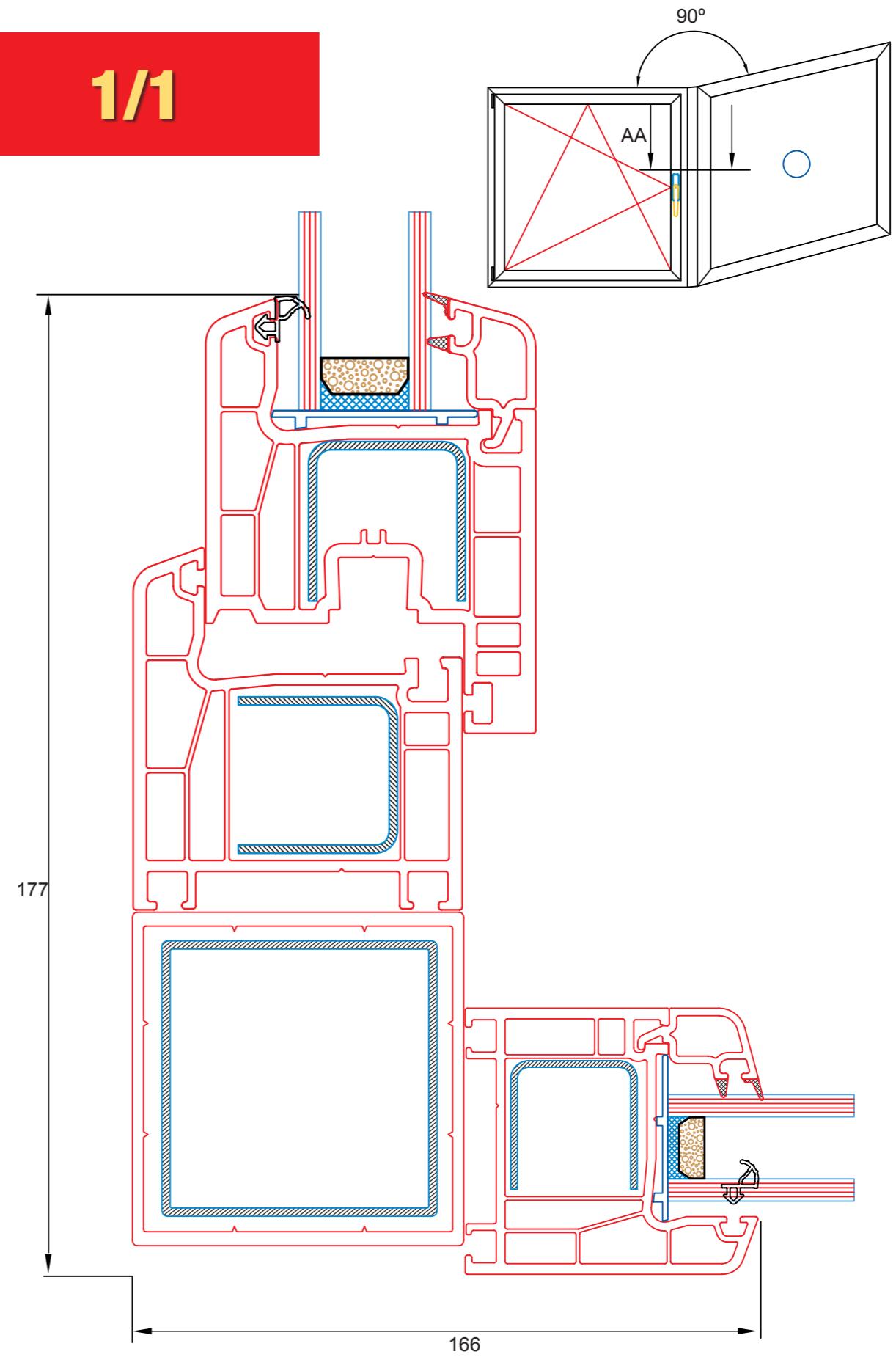
/2 Fachglasung 20 mm

Tek Cam Uygulaması 4 mm / Single glazing For 4 mm
/ Einfachverglasung 4 mm



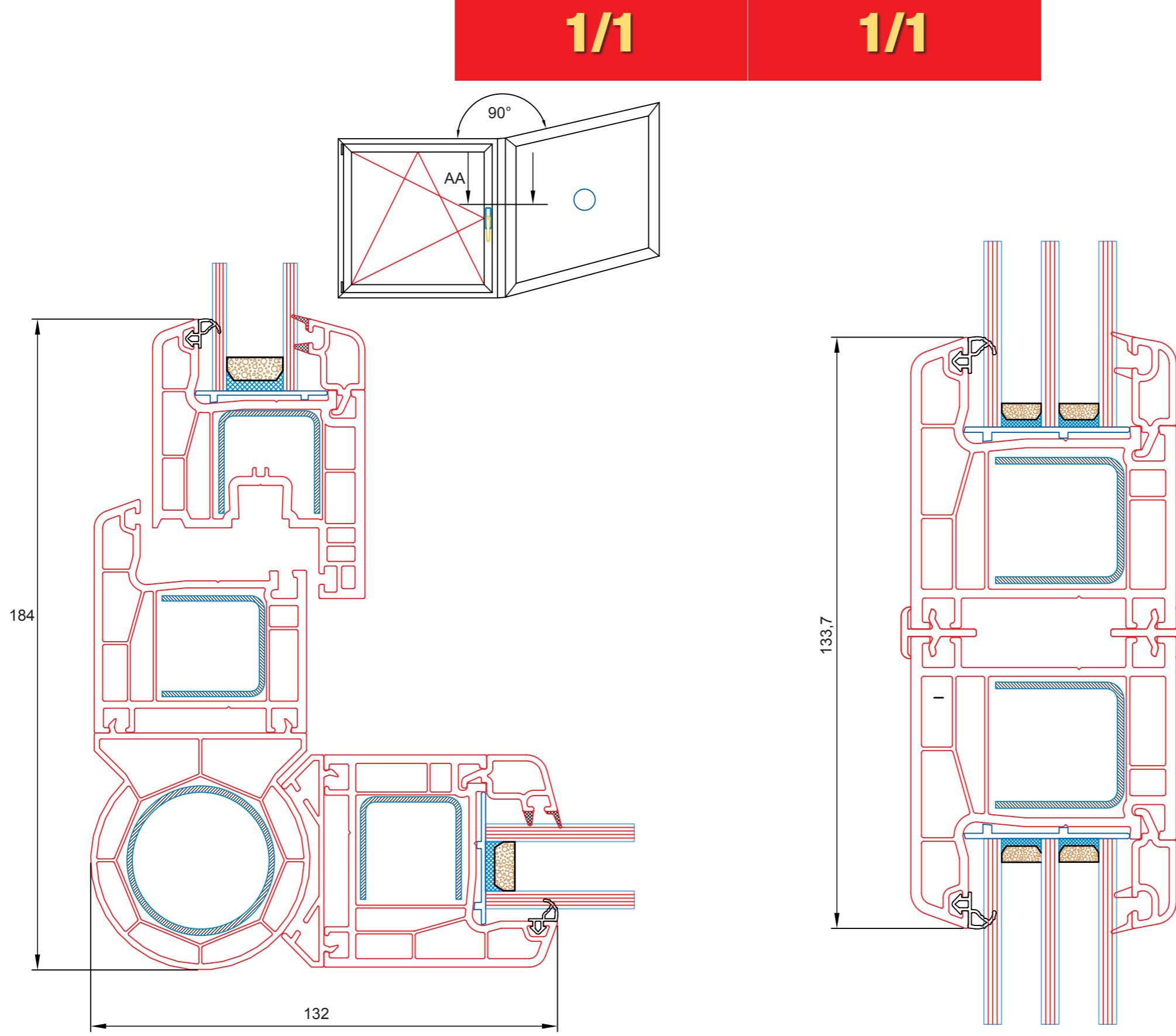
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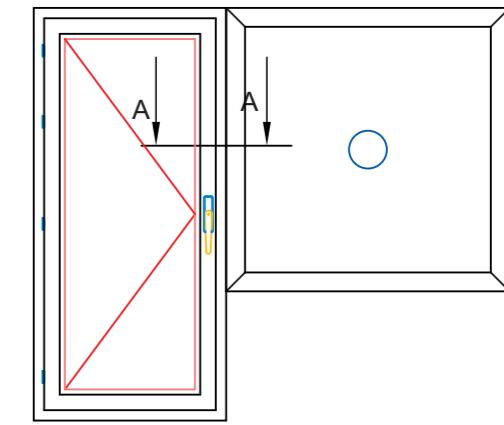


Kutu Profil Bağlantı Detayı / Box Profile connection Detail
/ Schnitt A-A(Eckkopplung mit Viereck)

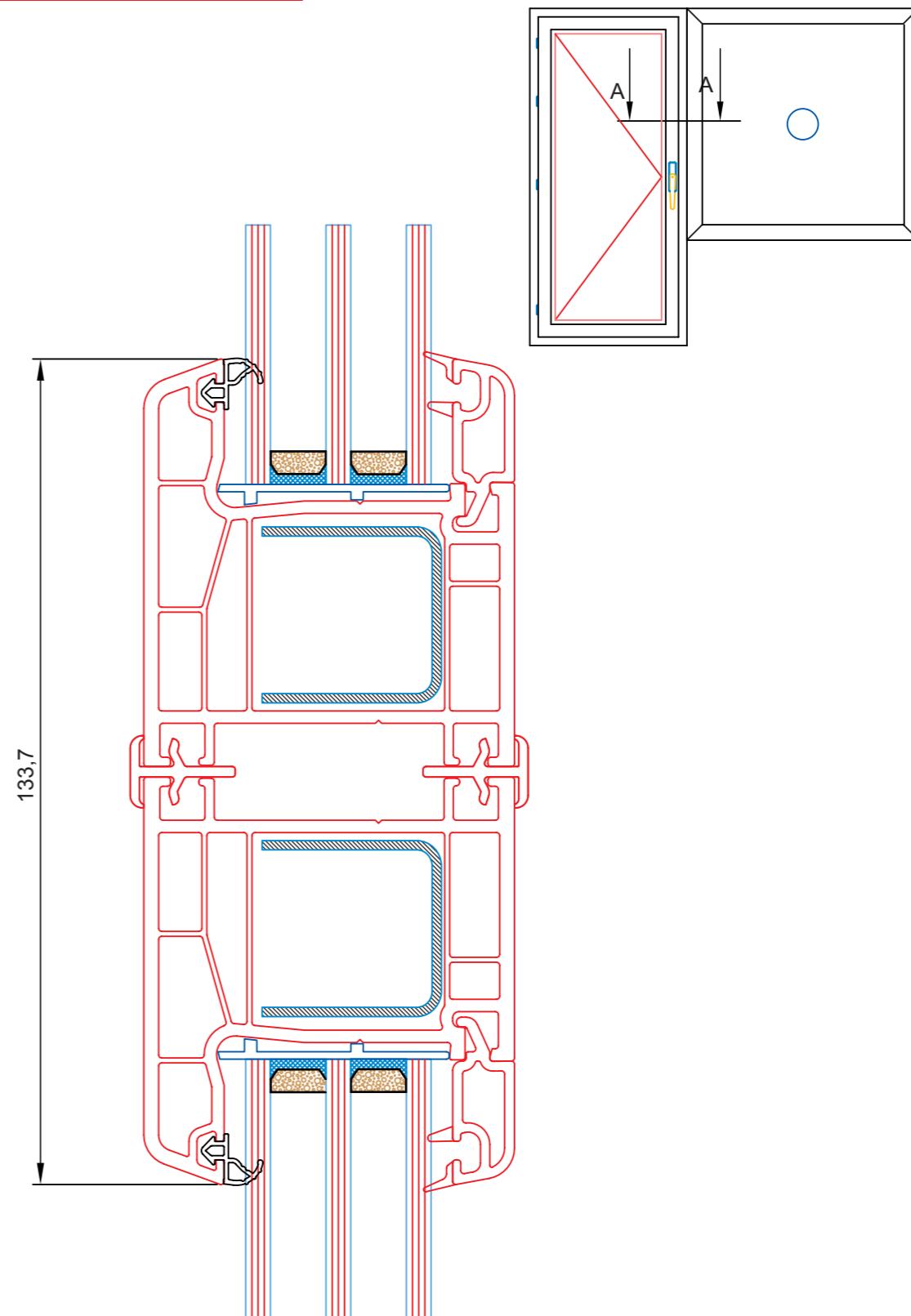
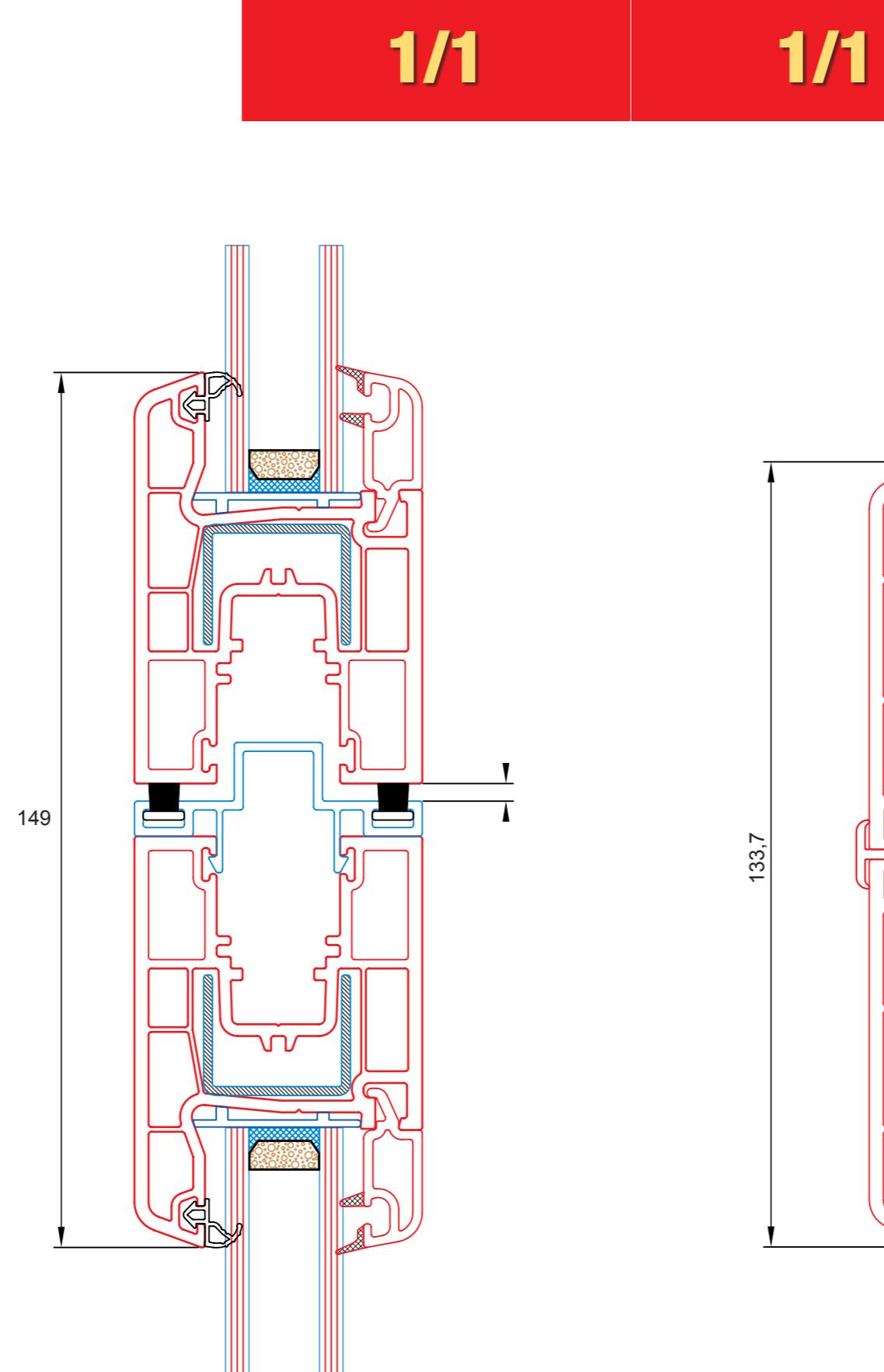
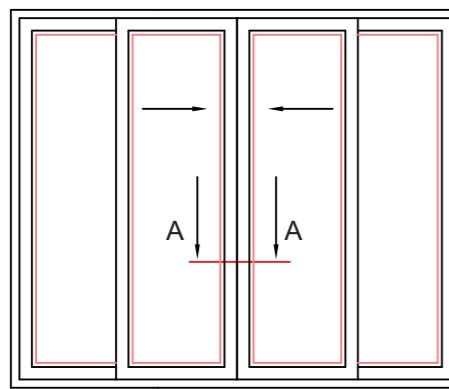
**Köşe Dönüş Profil Detağı / Corner Adaptor Connection Detail
/ Schnitt A-A (Eckkooplung Variable Mit Eckprofil)**



**Bağ Profili Bağlantı Detağı / Coupling Profil Detailli A-A
/ Schnitt A-A (Verbindungsprofile)**



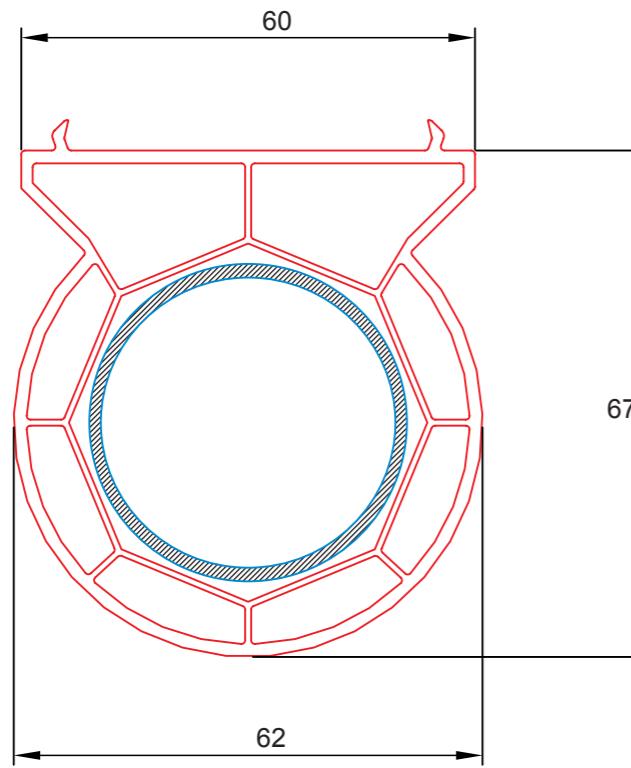
**Çift Kanat Uygulama Detayı / Double Sliding Flügel Mounting
/ 2 Schiebeflügel Montage Detail**



**Bağ Profil Bağlantı Detayı / Coupling Profil DETAIL A-A
/ Schnitt A-A(verbundungsprofile)**

NTY 401

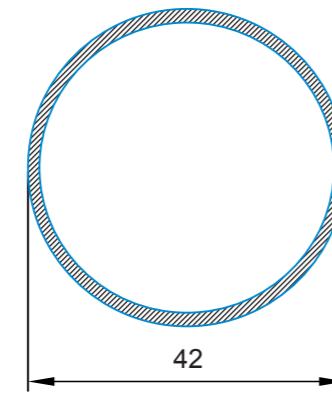
Köşe Dönüş Borusu / Pipe Profile / Eck Profile Variable



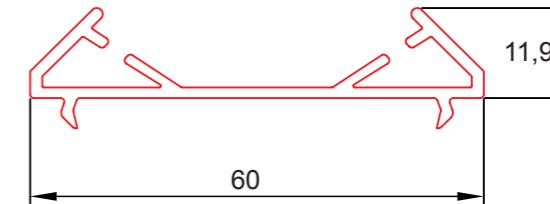
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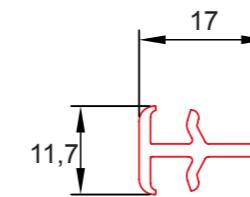
NTY 601



KÖŞE DÖNÜŞ BORUSU
CORNER ADAPTER PROFILE
ECKPROFILE ADAPTER



BAĞ PROFİLİ
COUPLING PROFILE
VERBUNDUNGSPROFILE



NTY 301

Köşe Dönüş Adaptörü / Corner Adapter Profile
/ Eckprofile Adapter

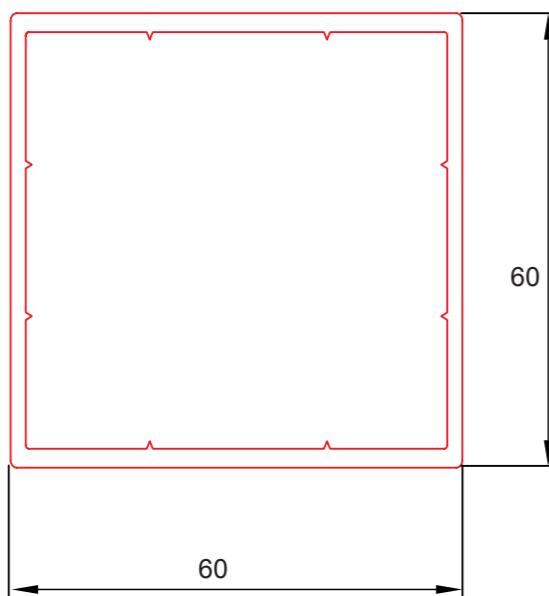
NTY 101

NTY 201

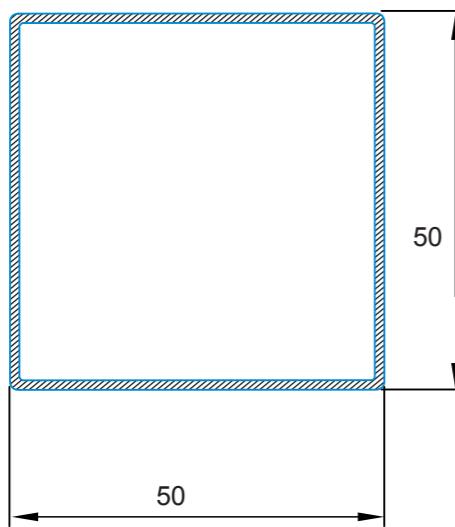
Kutu Profili / Box Profile / Viereck Profile / КОРОБ

1/1

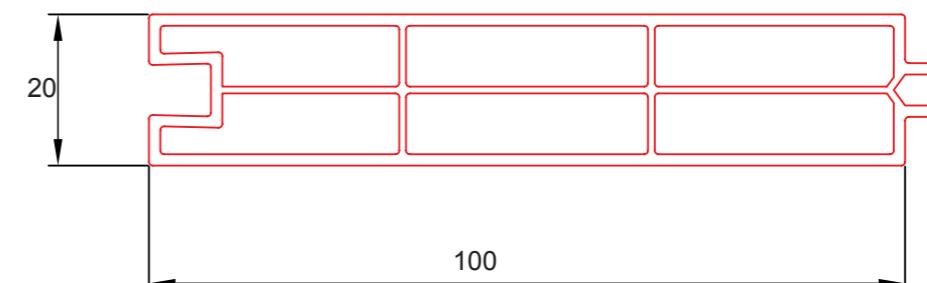
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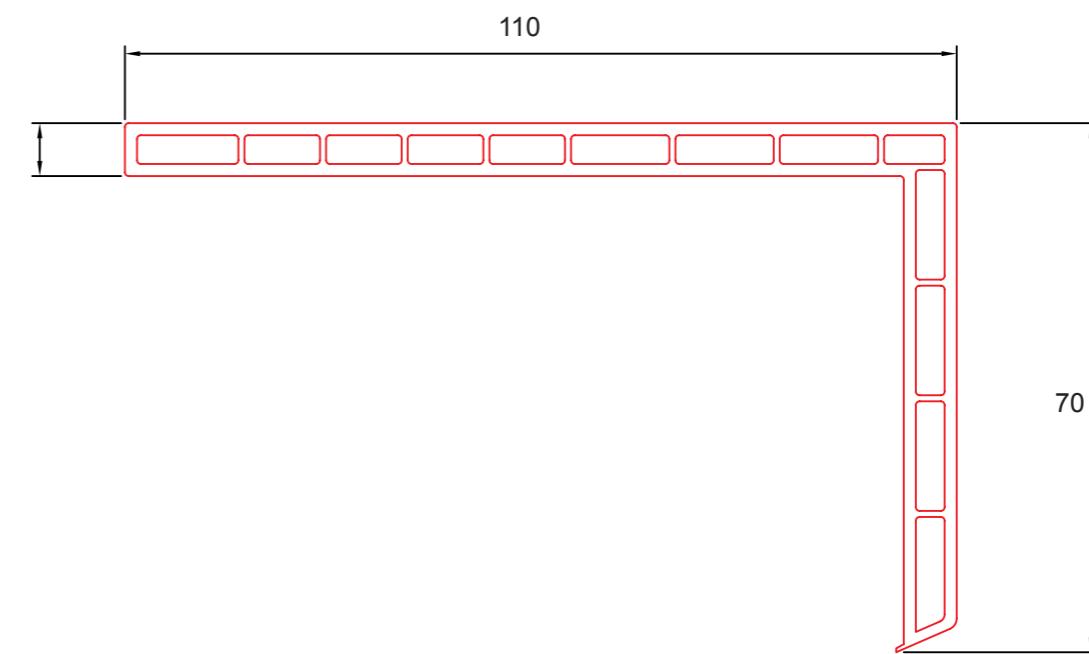
NTY 401



**LAMBİRİ PRO-
FİLİ
FILLER PROFILE
FÜLL PROFILE**



**PERVAZ PROFİLİ
CORNİCE PROFILE
VREKLEIDUNGSPROFİL**

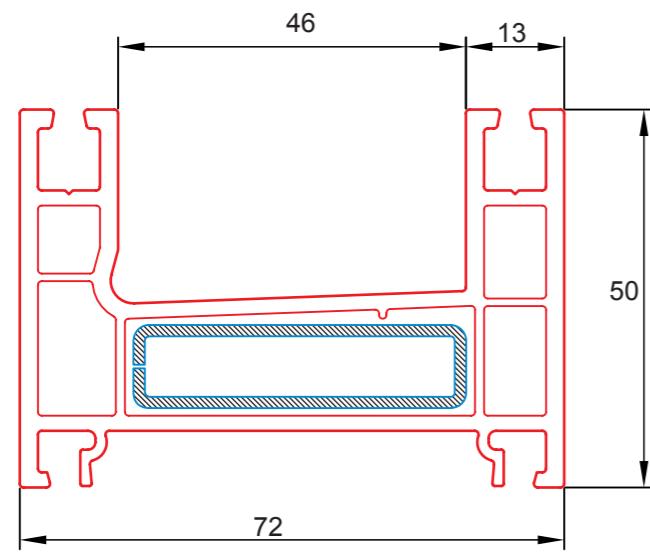


NTY 501

Lambiri Profili / Filler Profile / Füll Profile / ЛАМБРИ

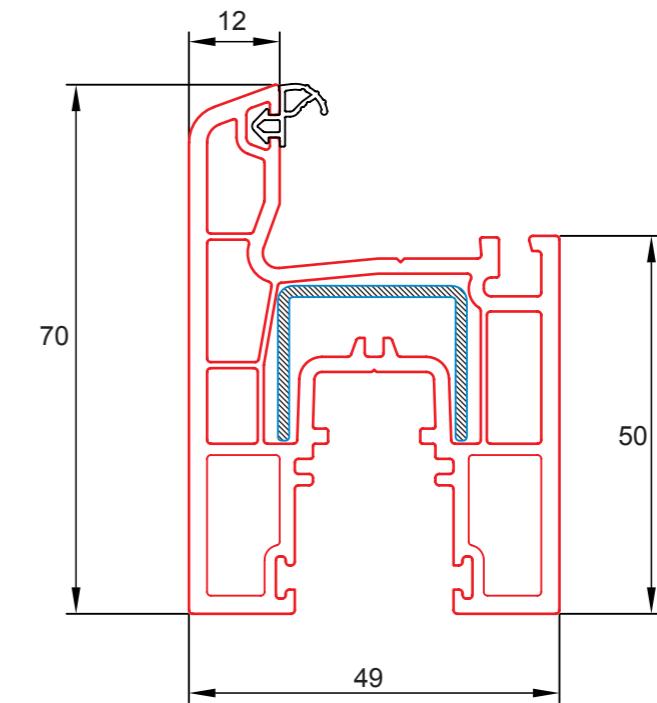
NTY601

NTS 101

Sürme Kasa Profil / Sliding Frame Profile
/ Schieberahmen Profil

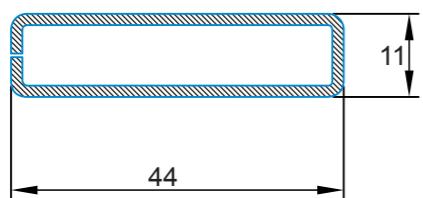
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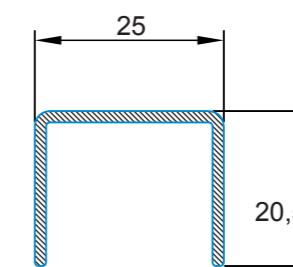


NTS 201

Sürme Kanat Profili / Sliding Sash Profile / Schieberbalken Profil



NTSD 101

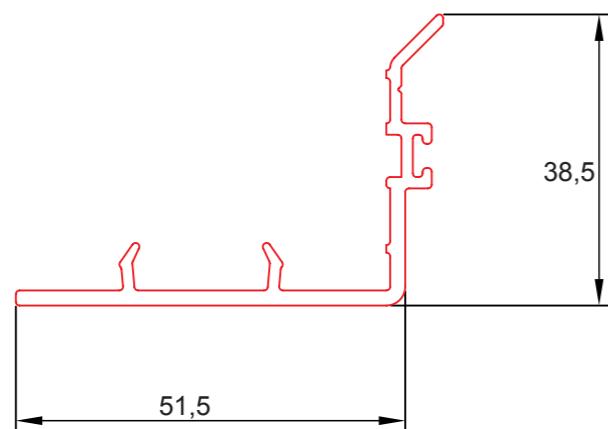


NTSD 201

NTS 301

interlock Profile / Interlock Profile / Interlock Profile

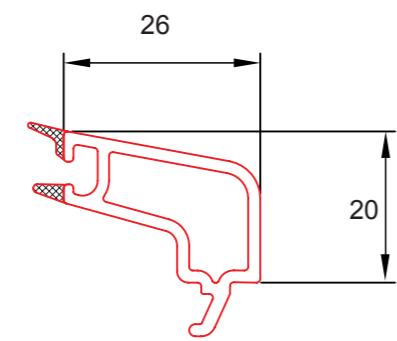
**INTERLOCK PROFİLİ
INTERLOCK PROFILE
INTERLOCK PROFILE**



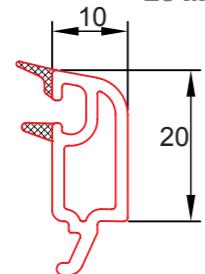
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**TEK CAM ÇITASI(SÜRME)
SINGLE GLAZING BEAD(SLIDING)
EINFACHVERGLASUNG(SCHIEBE)**

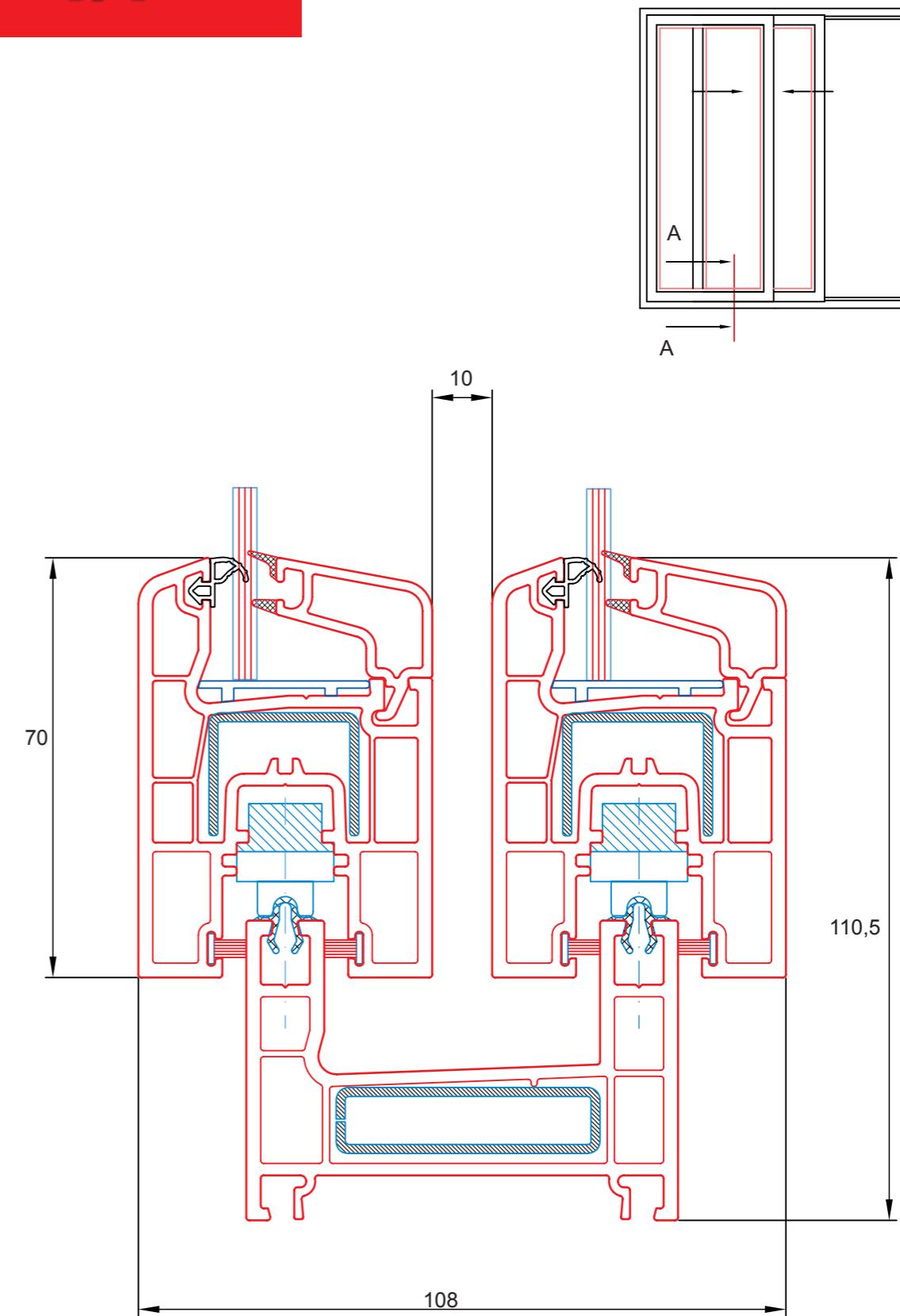


**20 MM ÇIFT CAM ÇITASI
DOUBLE GLAZING BEAD 20 MM
20 MM VERGLASUNG**



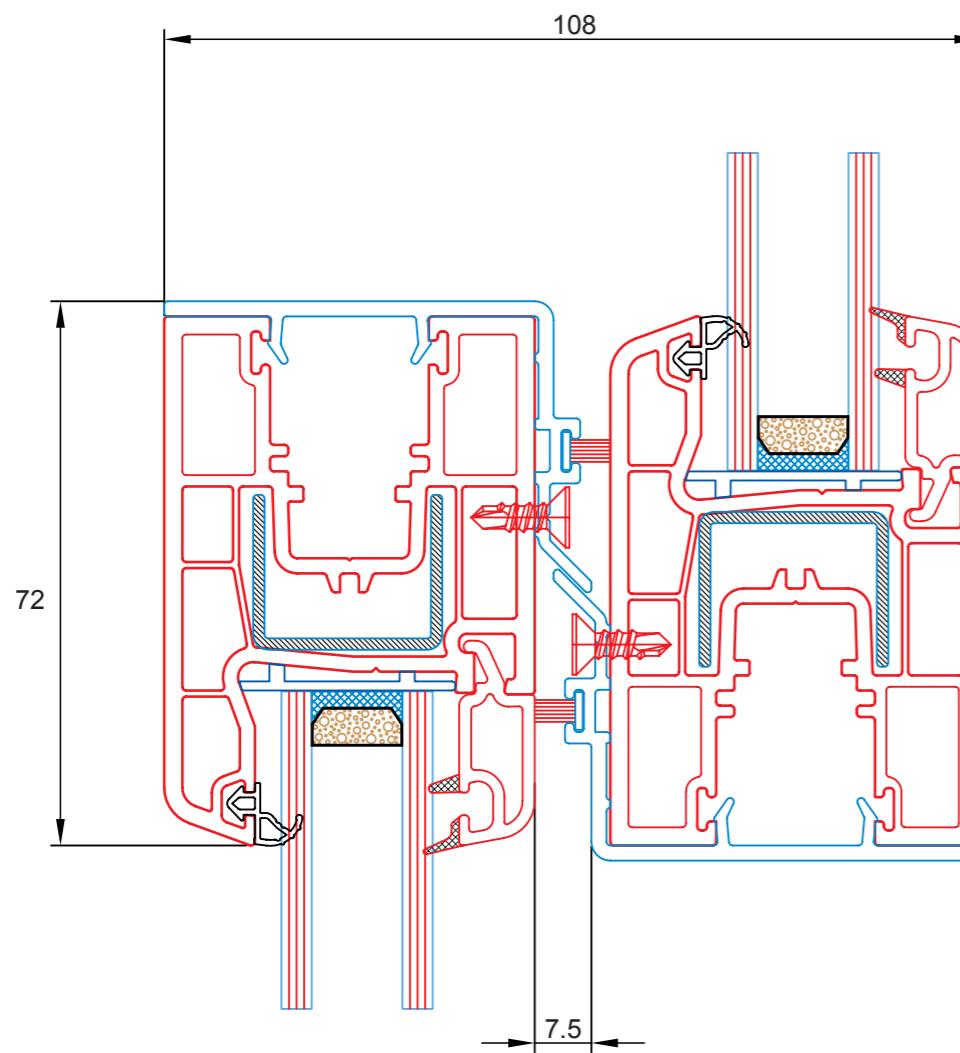
NTS 401

NT 950



**Kesit A-A (Kanal Uygulaması) / A-A Detail (Double Sliding Flügel
/ Schnitt A-A(2 Schiebeflügel montage)**

Kesit A - A (Kanat Uygulama) A - A / Detail(Double Sliding sash)
/ Schnitt A - A (2 Shiebeflügel Montage)



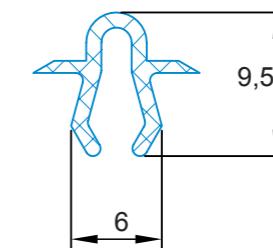
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SÜRME RAY PROFİLİ

SLİDİNG ALUMİNİUM RAIL PROFILE

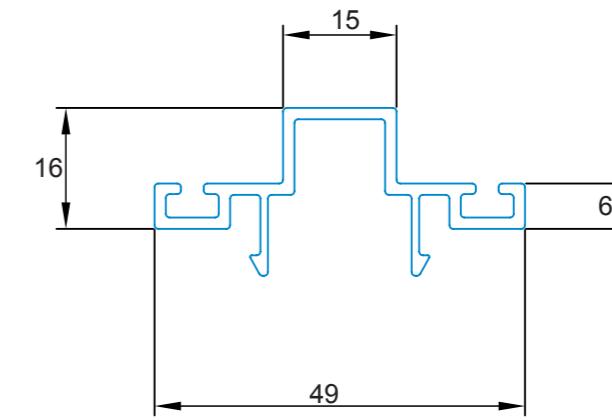
ALUMİNİUM SCHIENEN PROFILE



SÜRME KANAT BİRLEŞTİRME PROFİLİ

SLİDİNG SASH COUPLING PROFILE

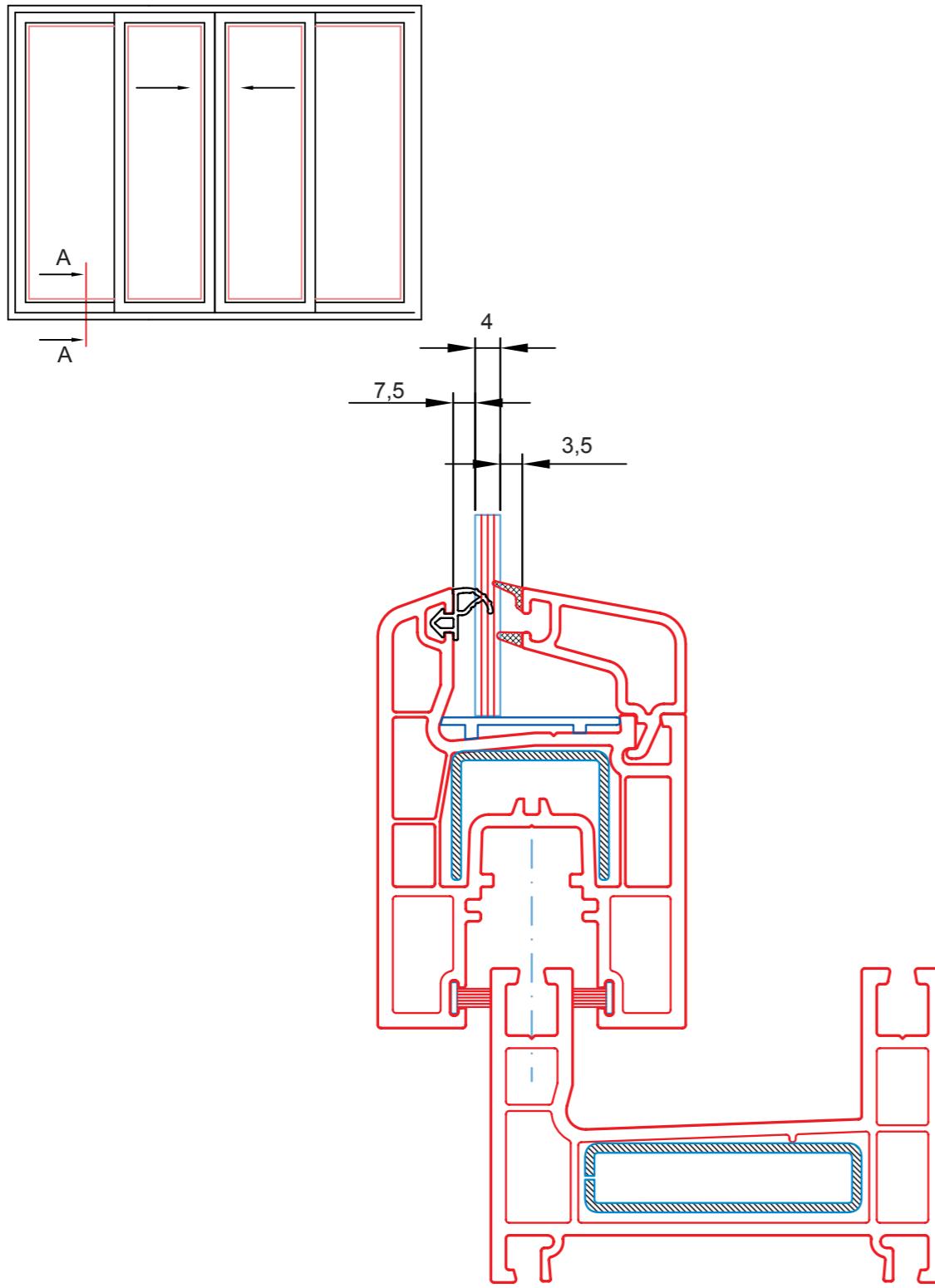
SCHIEBE FLÜGEL KOOPPLUNG PROFILE



NTSA...

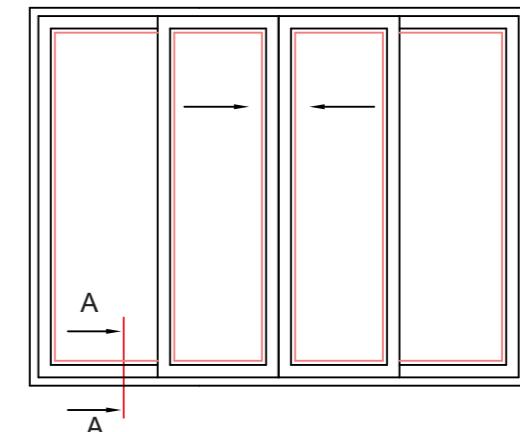
**Sürme Ray Profili / Sliding Aluminium Rail Profile
/ Aluminium Schienen Profile**

NTSA...



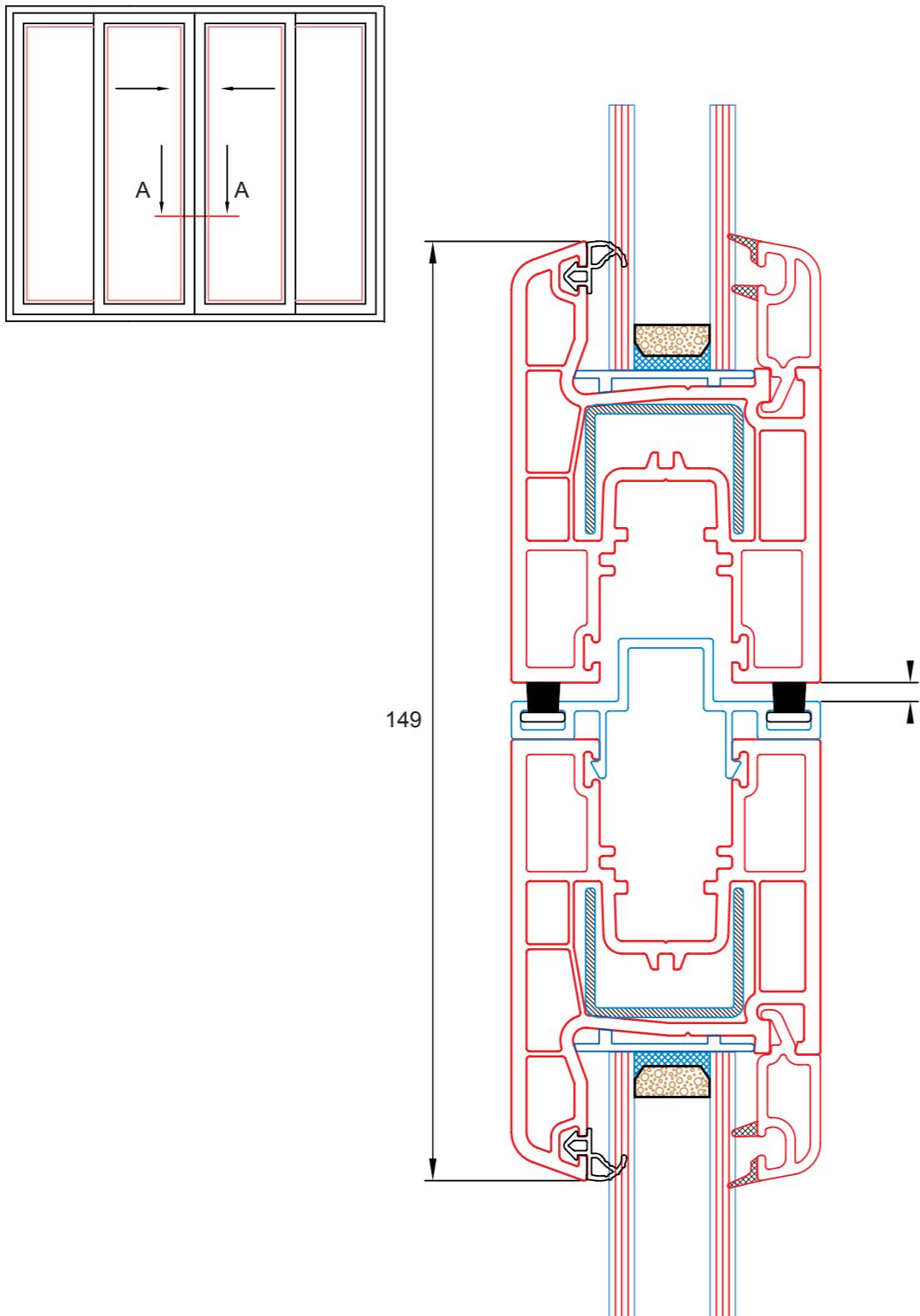
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Çift Kanat Uyumlama Detay / Double Sliding Flügel Mounting Detail

/ 2 Shiebeflügel Montage Detail



1/1



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