

VITALI SLIDING

PROFİL KATALOĞU

PROFILE CATALOG

ERSAŞ PEN

İçindekiler
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ERSAŞ PEN HAKKINDA

Ersaş Pen, yaşam alanlarını sadece koruyan değil, onları daha konforlu, estetik ve sürdürülebilir kılan çözümler üretir.

Her profilde, yalnızca PVC değil; akıl, mühendislik ve yılların tecrübesi vardır. Çünkü bizce bir pencere, sadece dış dünyayla bağlantı değil, aynı zamanda yaşam kalitesinin sınırıdır.

Ersaş Pen sistemleri, insana ve doğaya saygılı üretim anlayışıyla, kurşunsuz ve geri dönüştürülebilir malzemelerden üretilir.

Sürdürülebilirlik, bizim için bir hedef değil, üretimin temelidir.

Bu anlayışla, çevreyle uyumlu ve enerji verimliliği yüksek sistemler geliştirir; geleceği bugünden koruruz.

Ersaş Pen, güvenin, estetiğin ve dayanıklılığın ortak adıdır.
Hayatın her alanında konforu akılla buluşturan bir tercih.



ABOUT ERSAŞ PEN

Ersaş Pen develops solutions that not only protect living spaces but also make them more comfortable, aesthetic, and sustainable.

Behind every profile lies not only PVC, but also intelligence, engineering precision, and years of expertise.

Because for us, a window is more than just a connection to the outside world; it defines the boundaries of living quality.

Produced with respect for people and nature, Ersaş Pen systems are manufactured from lead-free, fully recyclable PVC compounds in line with European environmental standards.

For us, sustainability is not a goal, it is the foundation of production itself.
With this approach, we design eco-friendly, energy-efficient window and door systems that help protect the future today.

Ersaş Pen stands for trust, aesthetics, and durability, a smart choice that unites comfort and intelligence in every aspect of life.



GÜVENLİ, DAYANIKLI VE KONFORLU SÜRME SİSTEM

Ersaş Pen'in uzmanlığıyla geliştirilen Vitali Sliding, özel orta kayıt tasarımıyla yalıtım ve ısı performansını üst seviyeye taşır.
Geniş cam yüzeyleriyle doğal ışığı içeri davet eder, yaşam alanlarına ferahlık ve açıklık kazandırır.

Sağlam profilleriyle uzun ömürlü dayanıklılık sunarken, sessiz ve akıcı hareketiyle konforlu bir kullanım sağlar.

Vitali Sliding, güvenlik, estetik ve fonksiyonelliği tek yapıda buluşturarak modern yaşamın ihtiyaçlarına yanıt verir.

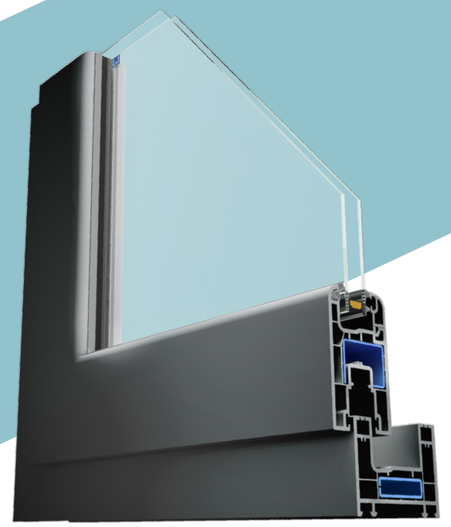
SAFE, DURABLE AND COMFORTABLE SLIDING SYSTEM

Developed with Ersaş Pen's expertise, Vitali Sliding elevates insulation and thermal performance to the highest level with its special center rail design.
It invites natural light in with its large glass surfaces, bringing spaciousness and openness to living areas.

It offers long-lasting durability with its sturdy profiles, while providing comfortable use with its quiet and smooth movement.

Vitali Sliding meets the needs of modern living by combining safety, aesthetics, and functionality in a single structure.



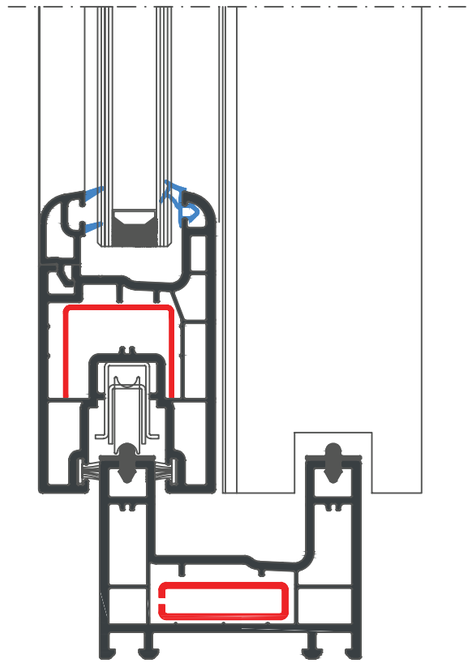


Ersaş Pen premium ürünleri üstün ısı yalıtımı sayesinde yazın serin, kışın sıcak bir ortam sunar. Güçlendirilmiş kanat yapısı ve kaliteli malzemesi ile uzun ömürlü ve güvenli kullanım sağlar. Minimal ve modern tasarımıyla evinize estetik bir dokunuş katar.

Ersaş Pen premium products provide a cool environment in summer and a warm environment in winter thanks to their superior thermal insulation. With their reinforced wing structure and high-quality materials, they ensure long-lasting and safe use. Their minimalist and modern design adds an aesthetic touch to your home.

VITALI SLIDING

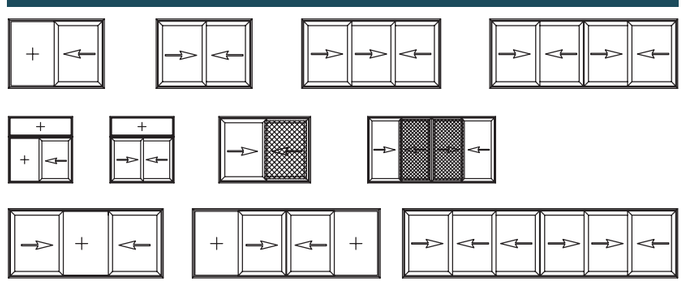
Sürme Sistemler

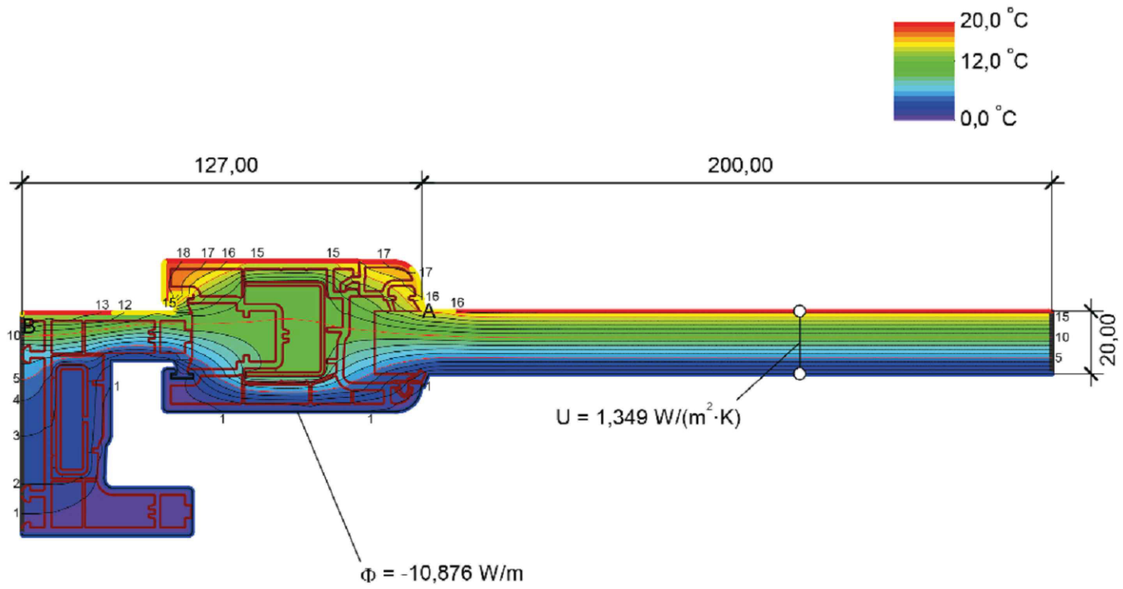


TEKNİK ÖZELLİKLER	
Profil genişliği	71-87,5-127 mm
Et kalınlığı	B sınıfı
Odacık sayısı	3 odacıklı sistem
Isı iletim katsayısı Uf	2,16 W/m²K
Cam kalınlıkları	4-8-14-20-24 mm
Conta tipi / rengi	TPE siyah / gri

TECHNICAL PROPERTIES	
Profil width	71-87,5-127 mm
Wall thickness	B class
Number of chambers	3 chambers system
UF value	2,16 W/m²K
Glass thickness	4-8-14-20-24 mm
Gasket model / color	TPE black / grey

TİPOLOJİLER / TYPOLOGIES





10,876

$$U_{f,A,B} = \frac{\frac{10,876}{20,0} - 1,349 \cdot 0,2}{0,127} = 2,16\ W/(m^2 \cdot K)$$

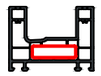
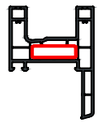
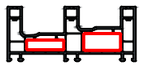
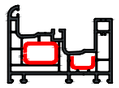
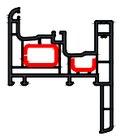
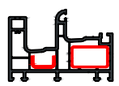
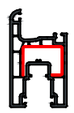
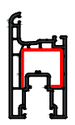


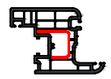
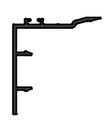
Material	λ[W/(m·K)]
EPDM (ethylene propylene diene monomer)	0,250
PVC (polyvinylchloride), rigid	0,170
Panel	0,035
Steel	50,000
Unventilated air cavity *	

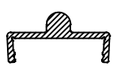
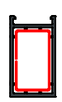
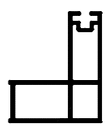
* EN ISO 10077-2:2017, 6.4.3/anisotrop

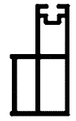
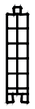
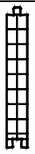
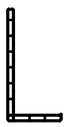
Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal (1)		0,000	0,040	
Interior, frame, normal		20,000	0,130	
Interior, frame, reduced		20,000	0,200	
Symmetry/Model section	0,000			

PROFİLLER
PROFILES

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
CS-110		**2 Raylı Kasa Profili** *2 Rail Frame Profile*
CS-150		**2 Raylı Pervazlı Kasa Profili** *2 Rail Frame Profile with Architrave*
CS-120		**3 Raylı Kasa Profili** *3 Rail Frame Profile*
CS-131		**Dış Sabit Kasa Profili** *Outer Fixed Frame Profile*
CS-132		**Dış Sabit Pervazlı Kasa Profili** *Outer Fixed Frame Profile with Architrave*
CS-140		**İç Sabit Kasa Profili** *Inner Fixed Frame Profile*
CS-311		**Kanat Profili** *Sash Profile* **82 mm**
CS-312		**Kanat Profili** *Sash Profile* **89 mm**
CS-210		**Orta Kayıt Profili** *Mullion Profile*

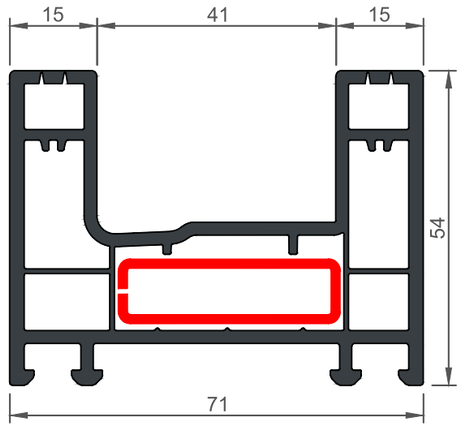
Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
CS-320		**Pencere Kanadı Profili** *Window Sash Profile*
CS-500		**24mm Cama Göre Çıta** *Glazing With 24mm Gap*
CS-501		**20mm Cama Göre Çıta** *Glazing With 20mm Gap*
CS-502		**14mm Cama Göre Çıta** *Glazing With 14mm Gap*
CS-503		**8mm Cama Göre Çıta** *Glazing With 8mm Gap*
CS-504		**4mm Cama Göre Çıta** *Glazing With 4mm Gap*
CS-451		**Kenet Profili** *Interlock Profile*
CS-453		**İç Sabit Orta Kayıt Kenet Profili** *Outer Fixed Mullion Interlock Profile*
CS-461		**Dış Sabit Kapama Profili** *Inner Fixed Closing Profile*

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
CS-452		**Dış Sabit Orta Kayıt Kenet Profili** *Inner Fixed Mullion Interlock Profile*
CS-462		**İç Sabit Kapama Profili** *Outer Fixed Closing Profile*
CS-430		**Sabite Geçiş Profili** *Fixed Adapter Profile*
CS-464		**Alın Alına Kapama Profili** *Head to Head Adapter Profile*
CS-400		**Alüminyum Ray Profili** *Aluminium Rail Profile*
CS-401		**Alüminyum Ray Profili** *Aluminium Rail Profile*
AP-490		**Orta Kayıt Destek Profili** *Mullion Reinforcement Profile*
AP-463		**Destek Kapama Profili** *Interlock Reinforcement Closer Profile*
CS-481		**Sineklik Kasa Profili** *Fly Screen Frame Profile*

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
CS-482		**Sineklik Kasa Profili** *Flyscreen Frame Profile*
CS-340		**Sineklik Kanat Profili** *Flyscreen Sash Profile*
AP-431		**İnce Bağ Profili** *Thin Bond Profile*
AP-461		**100'lük 24mm Lambiri** *100' 24mm Panel*
AP-462		**150'lük 24mm Lambiri** *150' 24mm Panel*
AP-415		**Pervaz Yatağı Profili** *Architrave Locking Profile*
AP-412		**150'lik Pervaz Profili** *150' Architrave Profile*
AP-413		**100'lük Pervaz Profili** *100' Architrave Profile*
AP-414		**45'lik Pervaz Profili** *45' Architrave Profile*

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
YR-0501005		**Orta Kayıt Bağlantı Takozu** *Mullion Connector Block*
YR-0501006		**Kanattan Orta Kayıt Bağlantı Takozu (Sağ ve Sol Takım)** *Sash to Mullion Connector Block (Right and Left Set)*
YR-0404001		**Çiftraylı Kasa Sızdırmazlık Parçası** *Double Rail Case Sealing Part*
YR-0404002		**Tekraylı Kasa Sızdırmazlık Parçası** *Mono Rail Case Sealing Part*

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion



CS-110

2 Raylı Kasa Profili

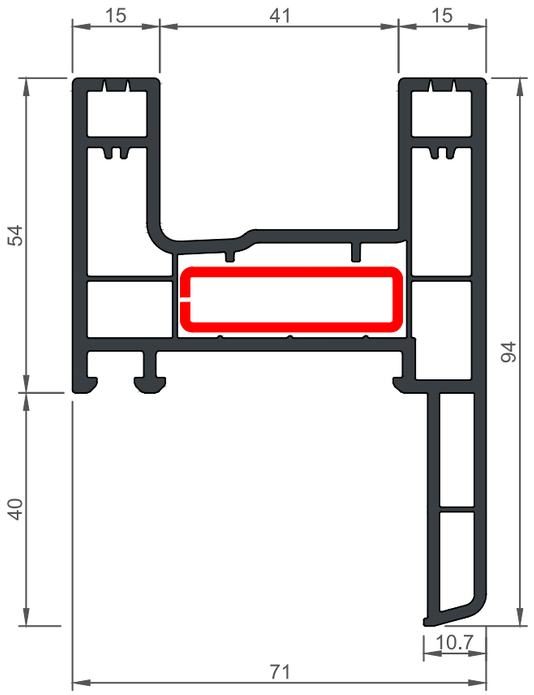
2 Rail Frame Profile



TM-0402028

Destek Sacı

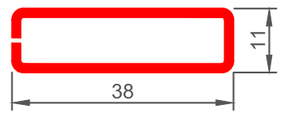
Reinforcement Steel



CS-150

2 Raylı Pervazlı Kasa Profili

2 Rail Frame Profile with Architrave

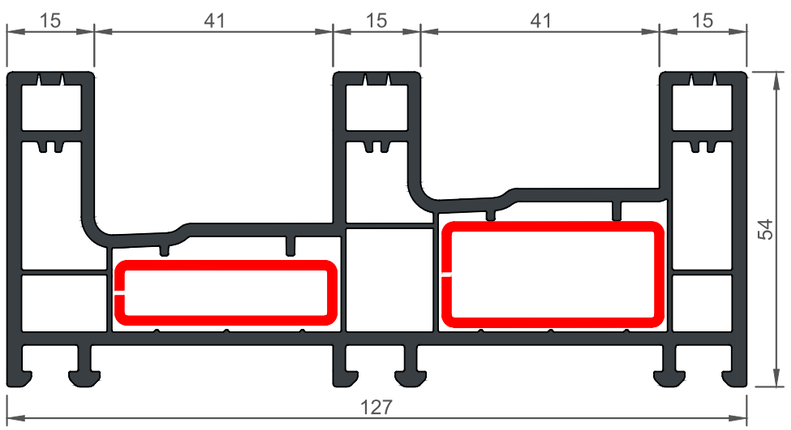


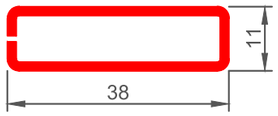
TM-0402028

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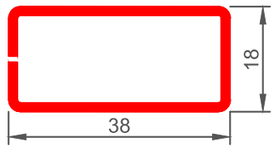
Reinforcement Steel

CS-120
3 Raylı Kasa Profili
3 Rail Frame Profile



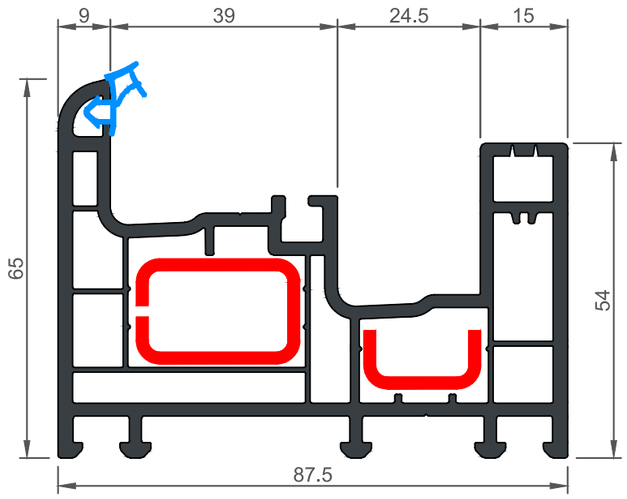


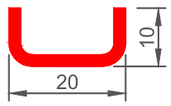
TM-0402028
Destek Sacı
Reinforcement Steel



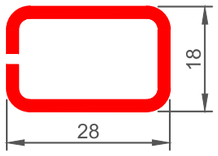
TM-0402034
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Reinforcement Steel

CS-131
Dış Sabit Kasa Profili
Outer Fixed Frame Profile

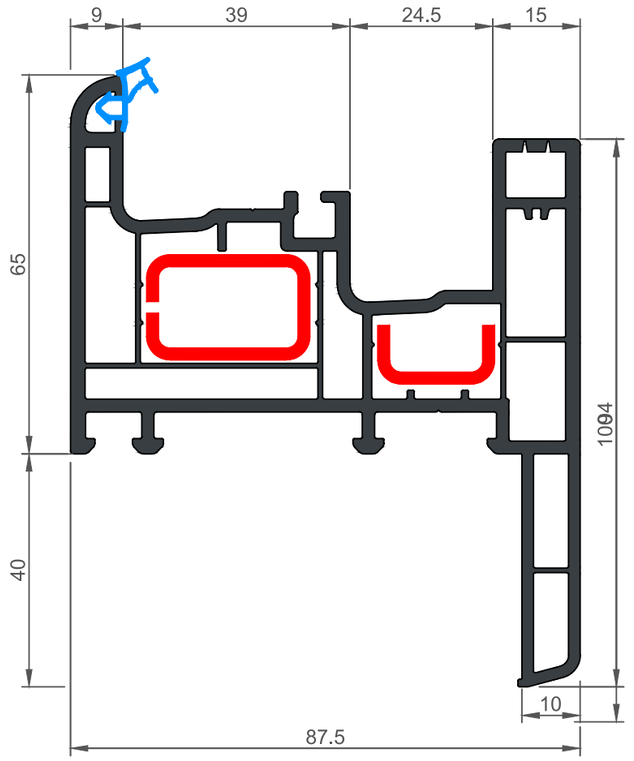




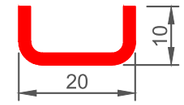
TM-0401018
Destek Sacı
Reinforcement Steel



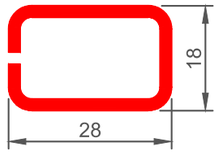
TM-0402029
Destek Sacı
Reinforcement Steel



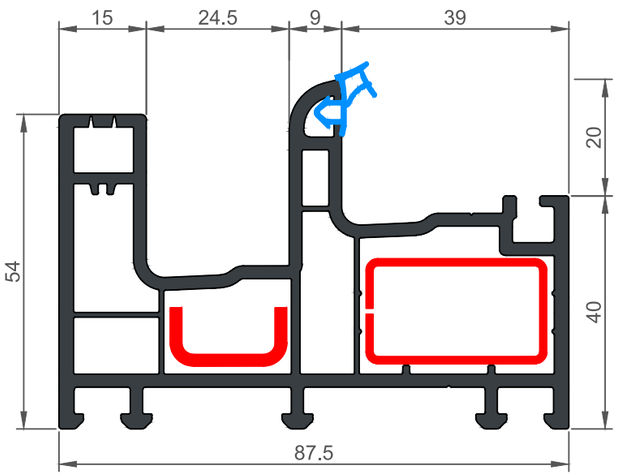
CS-132
Dış Sabit Pervazlı Kasa Profili
Outer Fixed Frame Profile with Architrave



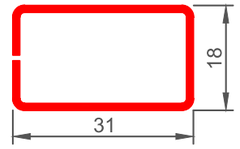
TM-0401018
Destek Sacı
Reinforcement Steel



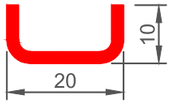
TM-0402029
Destek Sacı
Reinforcement Steel



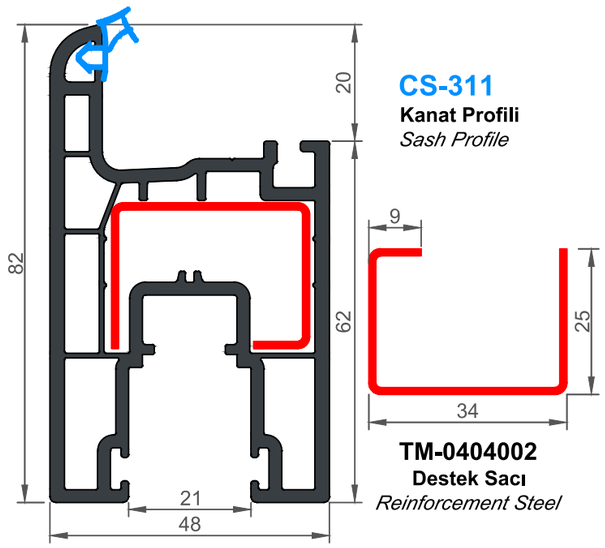
CS-140
İç Sabit Kasa Profili
Inner Fixed Frame Profile



TM-0402030
Destek Sacı
Reinforcement Steel

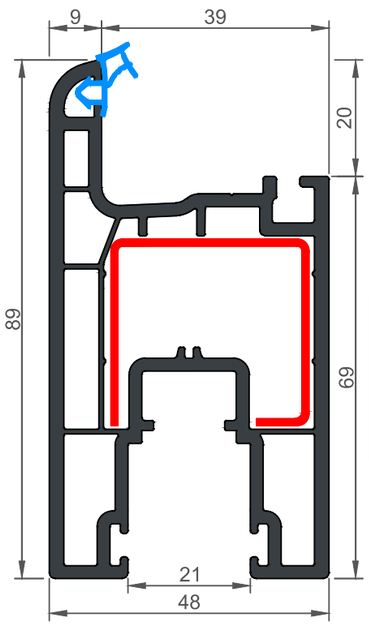


TM-0401018
Destek Sacı
Reinforcement Steel

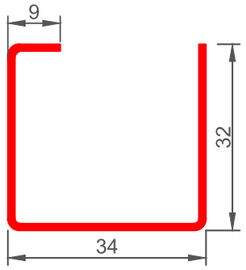


CS-311
Kanat Profili
Sash Profile

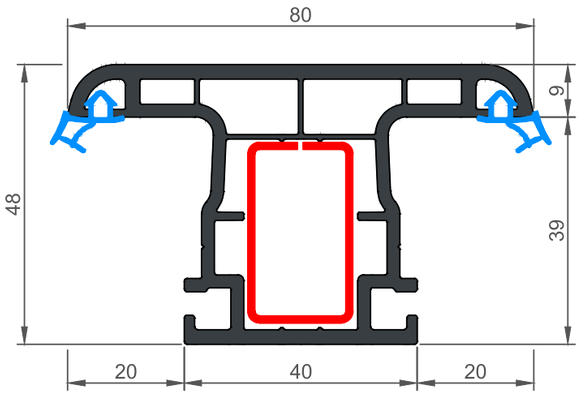
TM-0404002
Destek Sacı
Reinforcement Steel



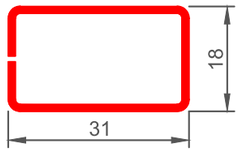
CS-312
Kanat Profili
Sash Profile



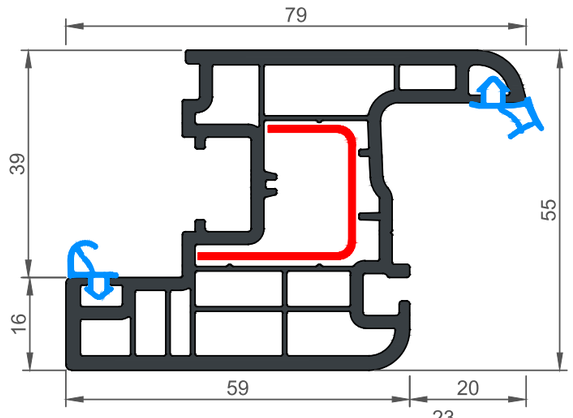
TM-0404003
Destek Sacı
Reinforcement Steel



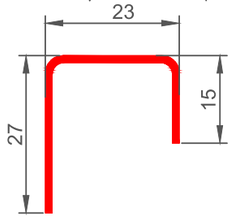
CS-210
Orta Kayıt Profili
Mullion Profile



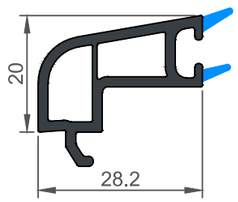
TM-0402030
Destek Sacı
Reinforcement Steel



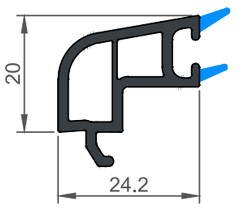
CS-320
Pencere Kanadı Profili
Window Sash Profile



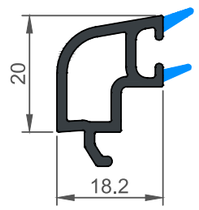
TM-0405002
Destek Sacı
Reinforcement Steel



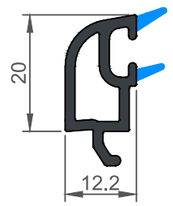
CS-504
4mm Cama Göre Çıta
Glazing With 4mm Gap



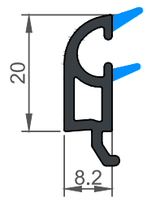
CS-503
8mm Cama Göre Çıta
Glazing With 8mm Gap



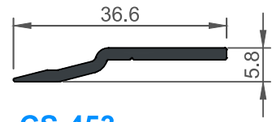
CS-502
14mm Cama Göre Çıta
Glazing With 14mm Gap



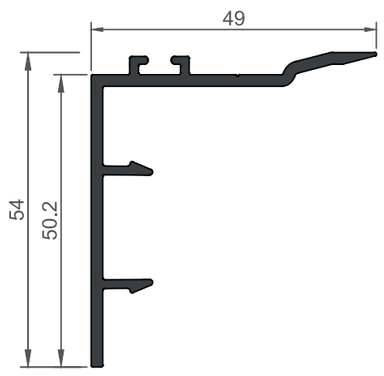
CS-501
20mm Cama Göre Çıta
Glazing With 20mm Gap



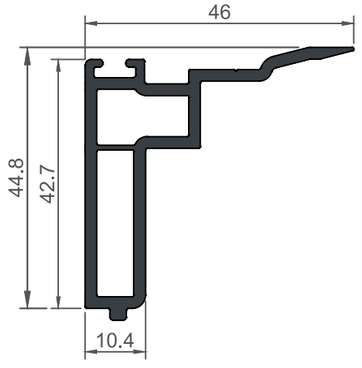
CS-500
24mm Cama Göre Çıta
Glazing With 24mm Gap



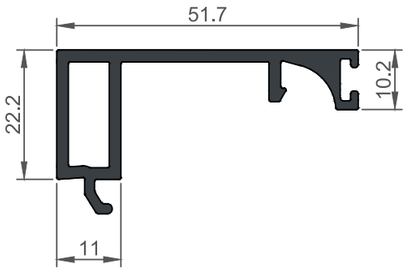
CS-453
İç Sabit Orta Kayıt Kenet Profili
Outer Fixed Mullion Interlock Profile



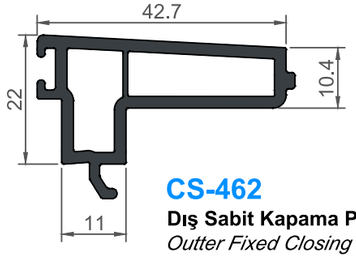
CS-451
Kenet Profili
Interlock Profile



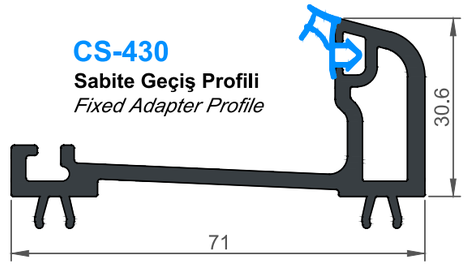
CS-452
Dış Sabit Orta Kayıt Kenet Profili
Inner Fixed Mullion Interlock Profile



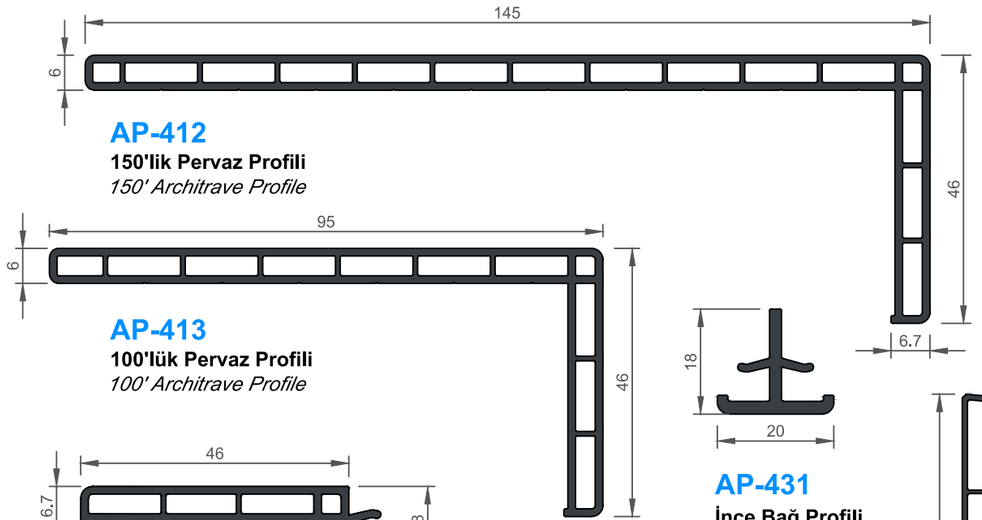
CS-461
İç Sabit Kapama Profili
Inner Fixed Closing Profile



CS-462
Dış Sabit Kapama Profili
Outter Fixed Closing Profile



CS-430
Sabite Geçiş Profili
Fixed Adapter Profile

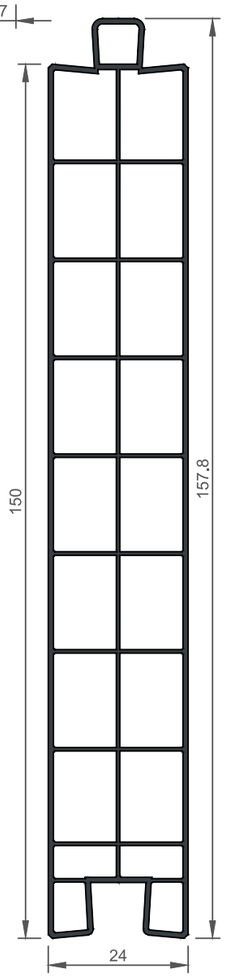


AP-412
150'lik Pervaz Profili
150' Architrave Profile

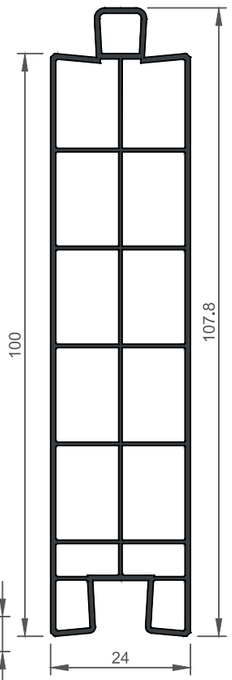
AP-413
100'lük Pervaz Profili
100' Architrave Profile

AP-414
45'lik Pervaz Profili
45' Architrave Profile

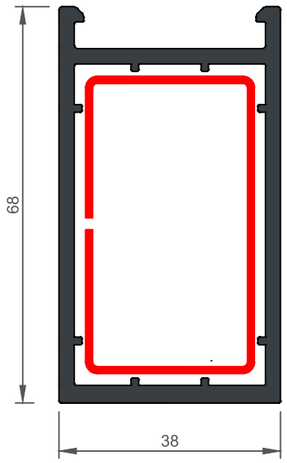
AP-431
İnce Bağ Profili
Thin Bond Profile



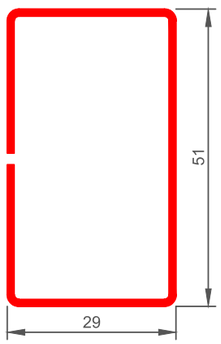
AP-462
150'lük 24mm Lambiri
150' 24mm Panel



AP-461
100'lük 24mm Lambiri
100' 24mm Panel



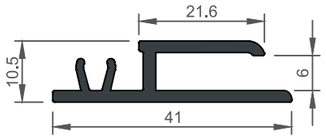
AP-490
Orta Kayıt Destek Profili
Mullion Reinforcement Profile



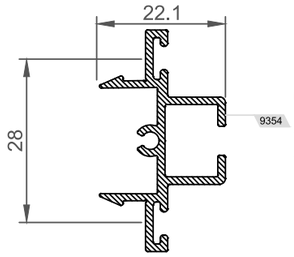
TM-0402027
Destek Sacı
Reinforcement Steel



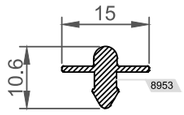
AP-463
Kenet Destek Kapama Profili
Interlock Reinforcement Closer Profile



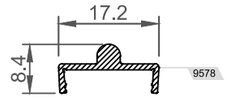
AP-415
Pervaz Yatağı Profili
Architrave Locking Profile



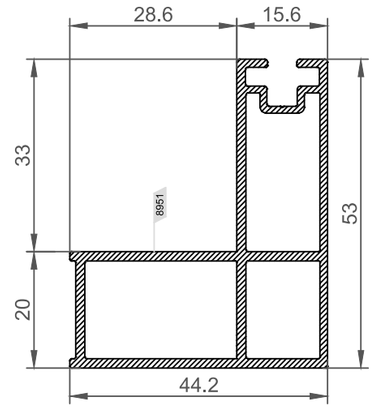
CS-464
Alüminyum Alın Alına Kapama Profili
Aluminum Head to Head Adapter Profile



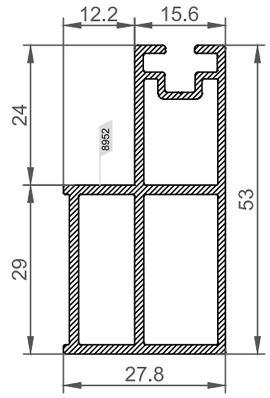
CS-400
Alüminyum Ray Profili
Aluminium Rail Profile



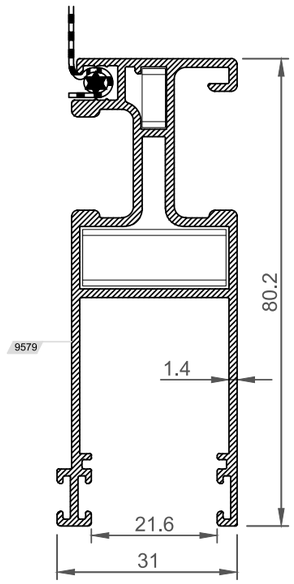
CS-401
Alüminyum Ray Profili
Aluminium Rail Profile



CS-481
Sineklik Kasa Profili
Fly Screen Frame Profile



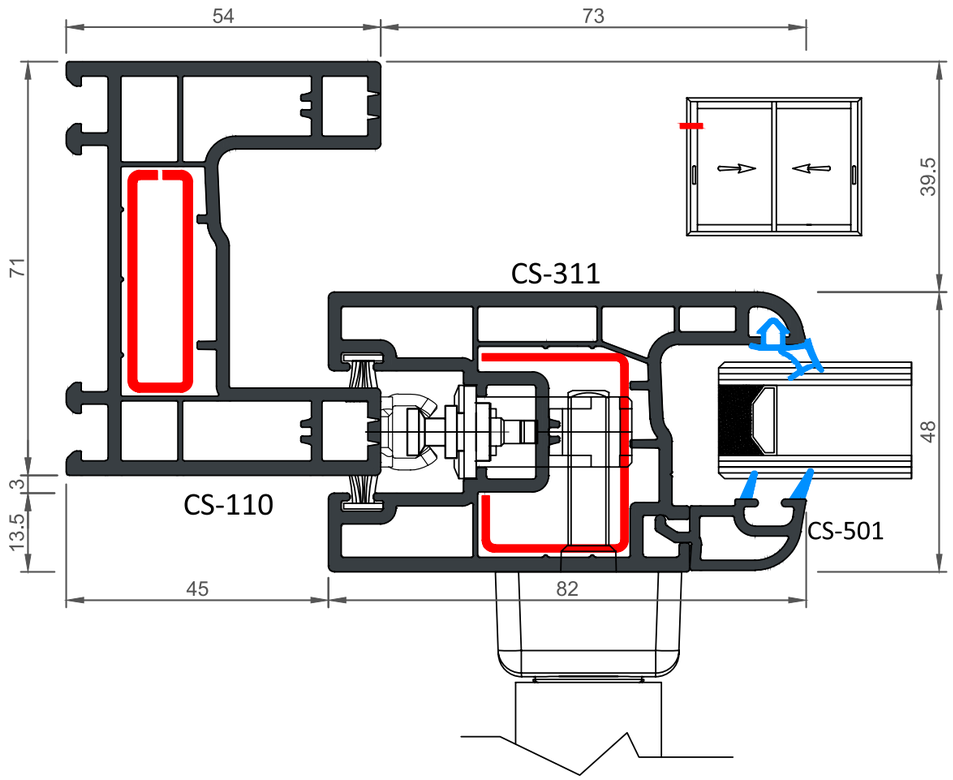
CS-482
Sineklik Kasa Profili
Flyscreen Frame Profile

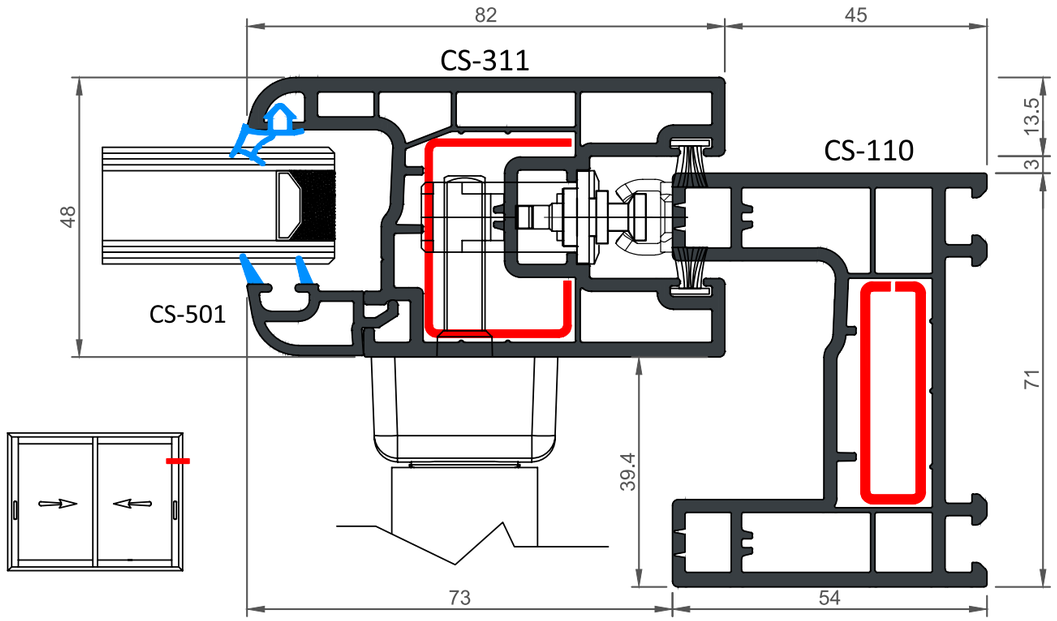


CS-340
Sineklik Kanat Profili
Flyscreen Sash Profile

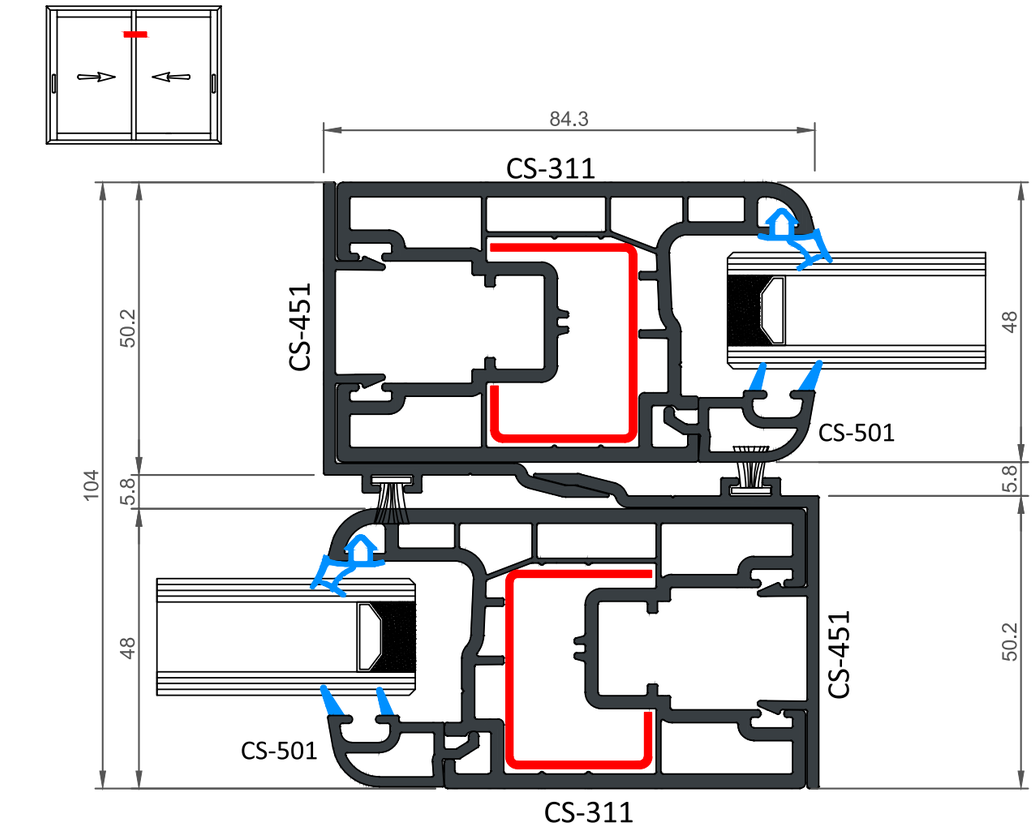
DETAYLAR
DETAILS

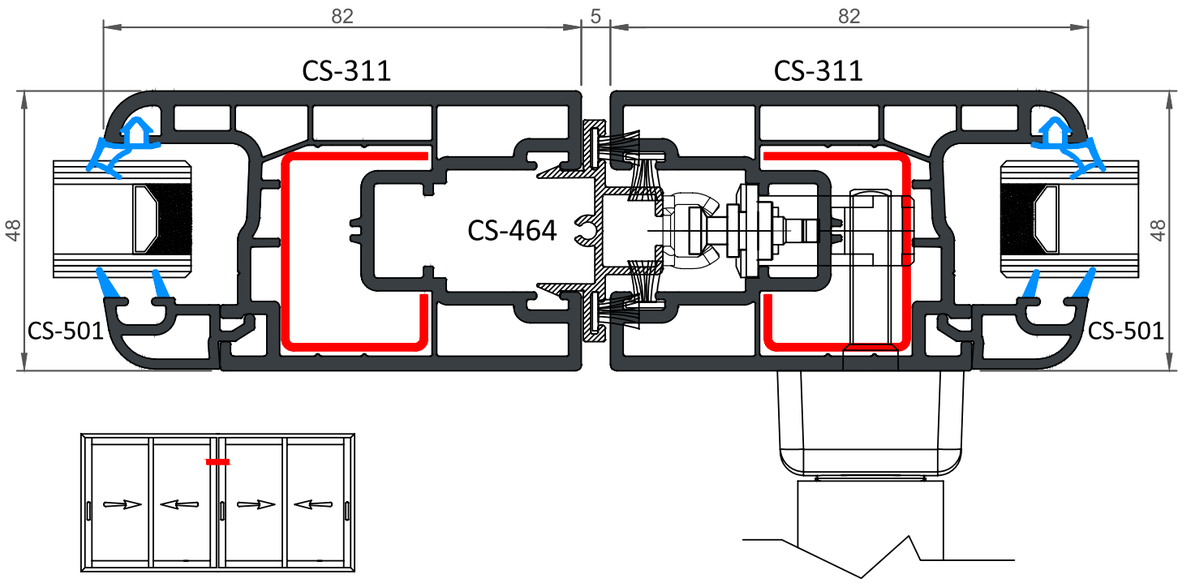
ÇİFT RAYLI KASA DETAYLARI
2 RAIL FRAME DETAILS

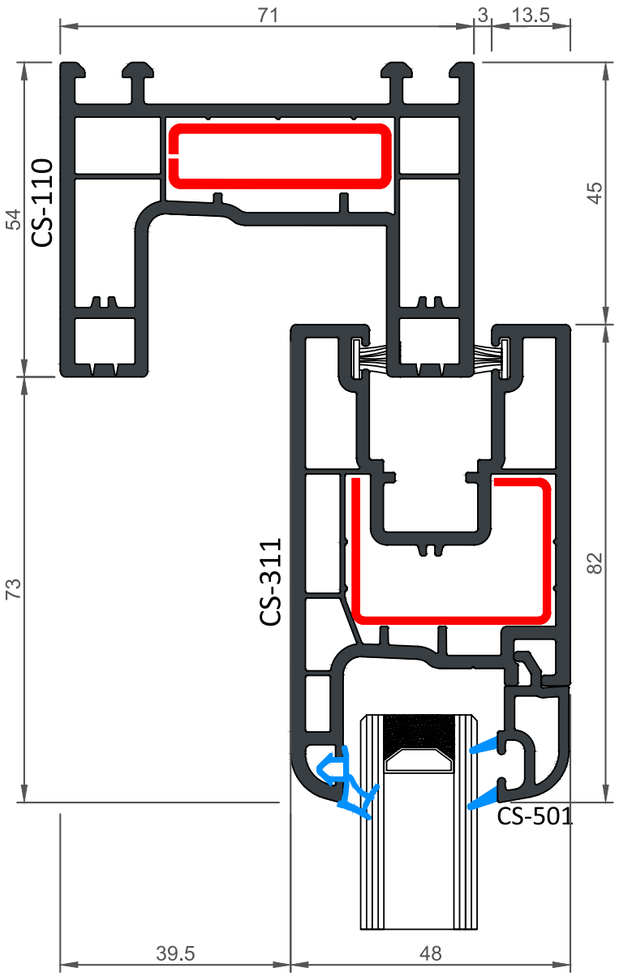


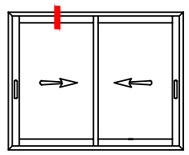


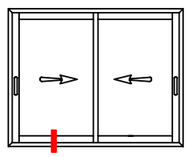
ÇİFT KANATLI SÜRME DETAYLARI / SLIDING DOOR DETAILS WITH DOUBLE SASH

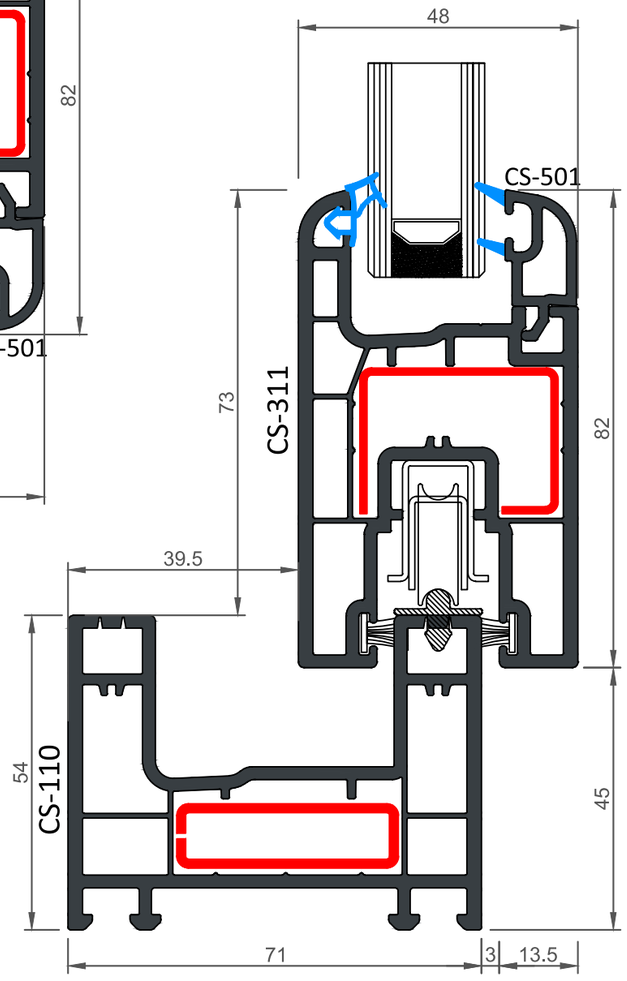


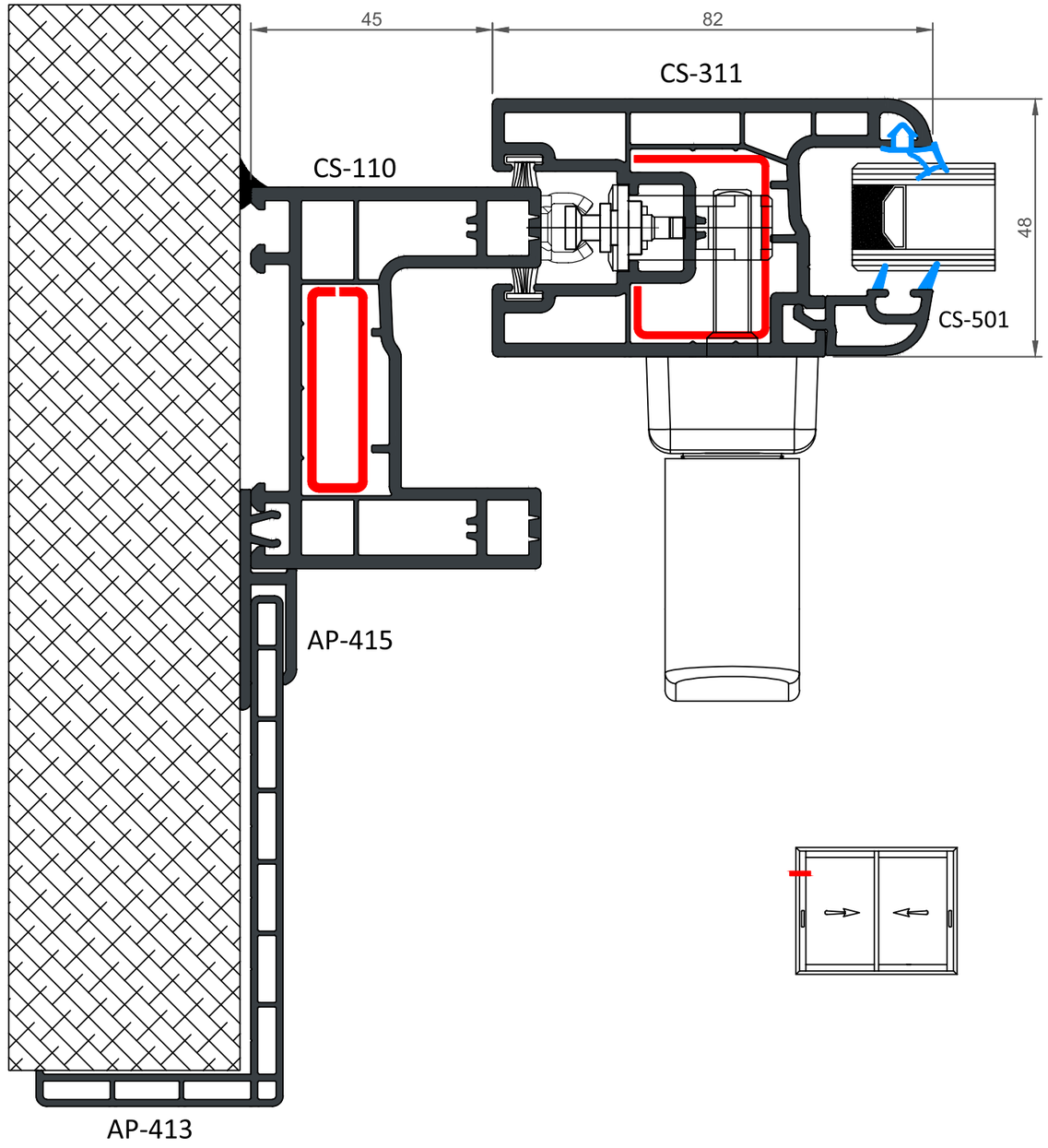




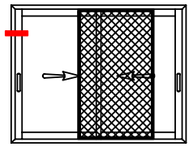


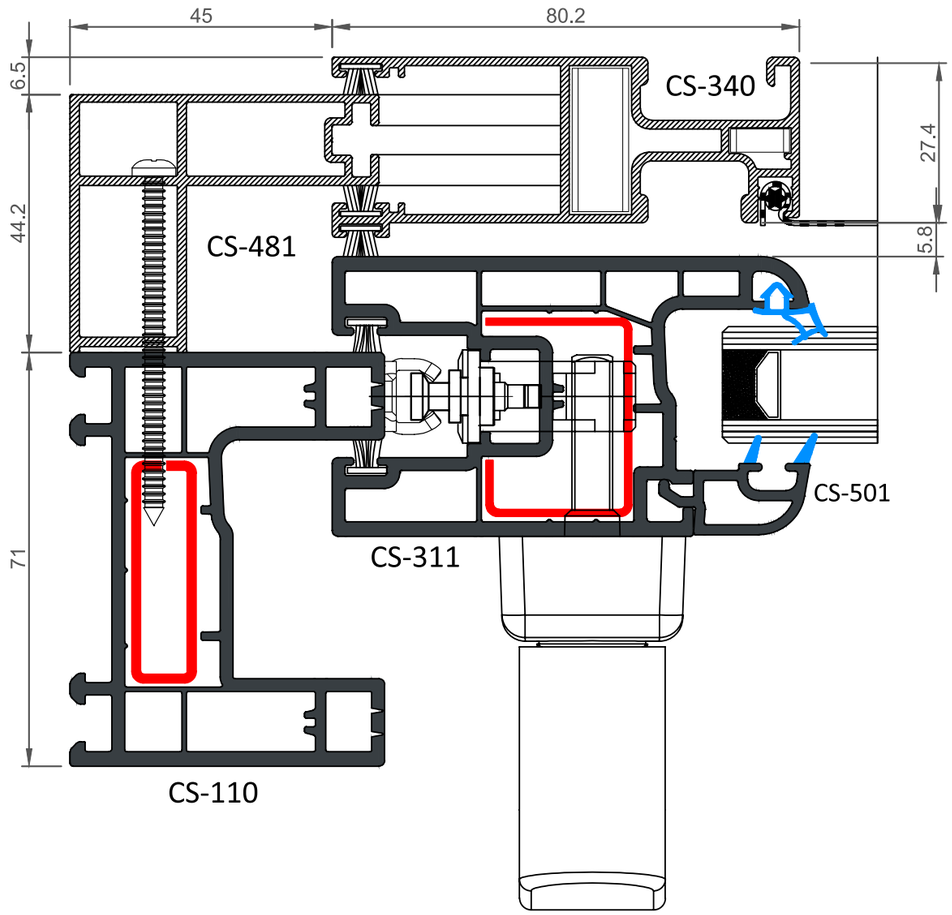




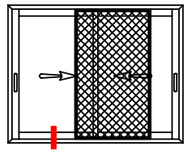


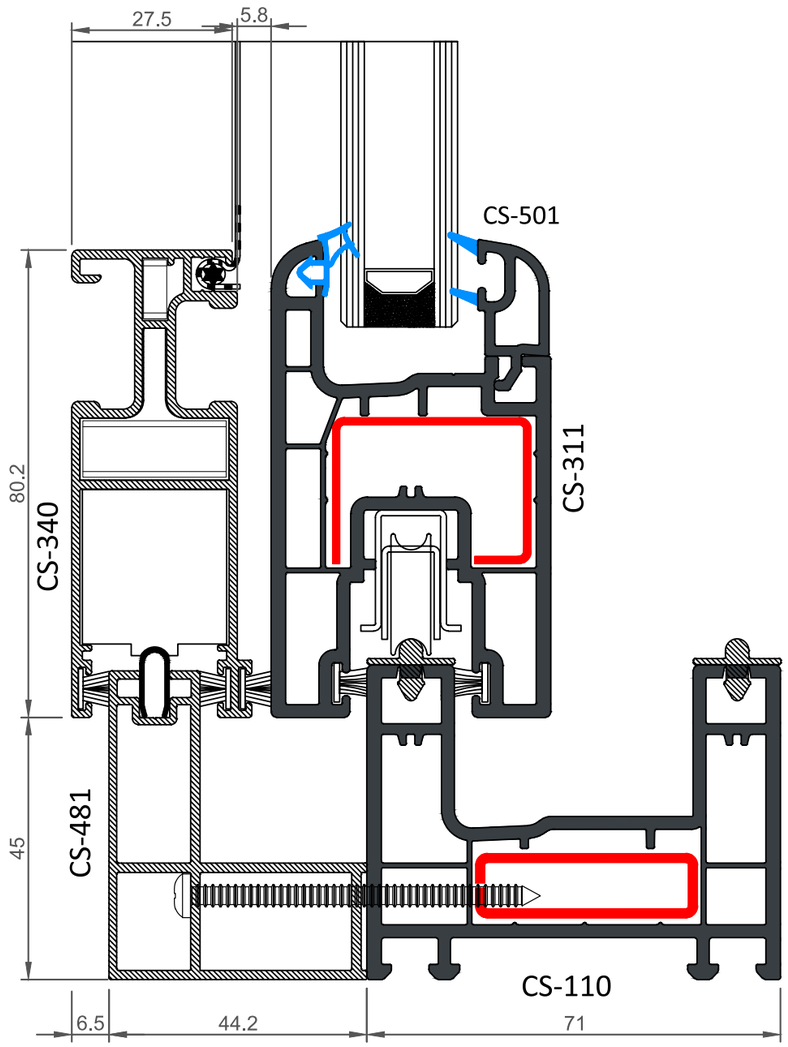
ÇİFT KANATLI SÜRME DETAYLARI / SLIDING DOOR DETAILS WITH DOUBLE SASH



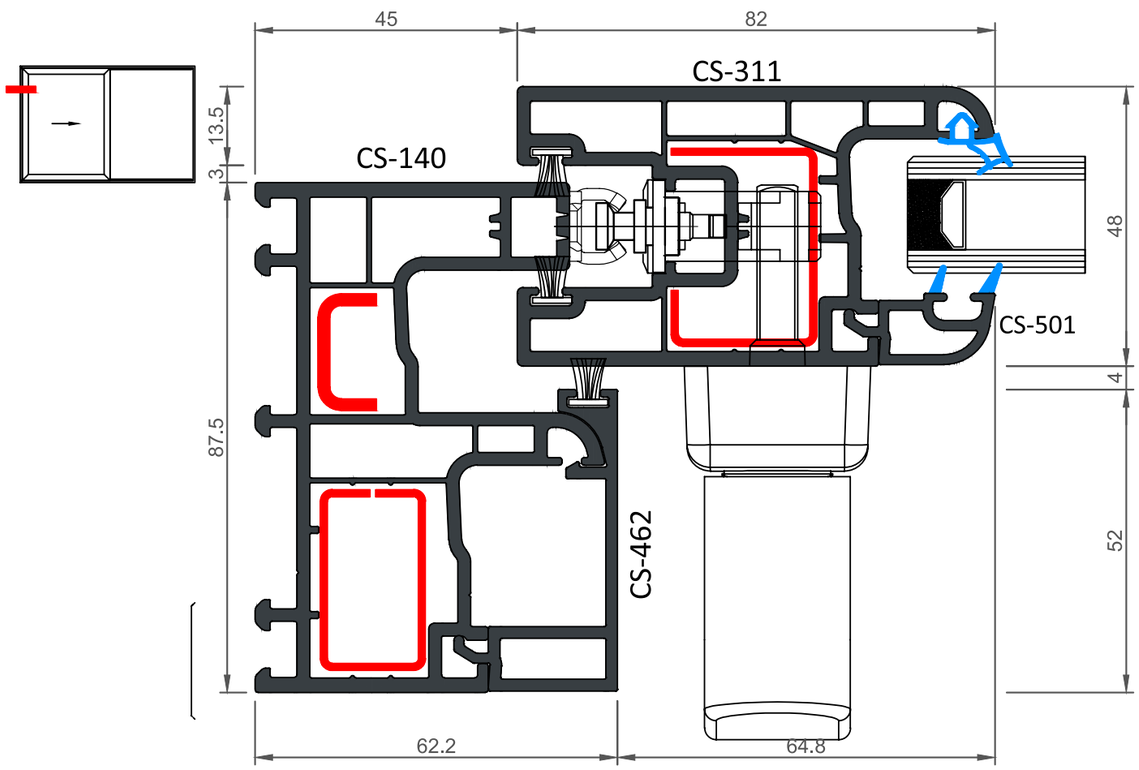


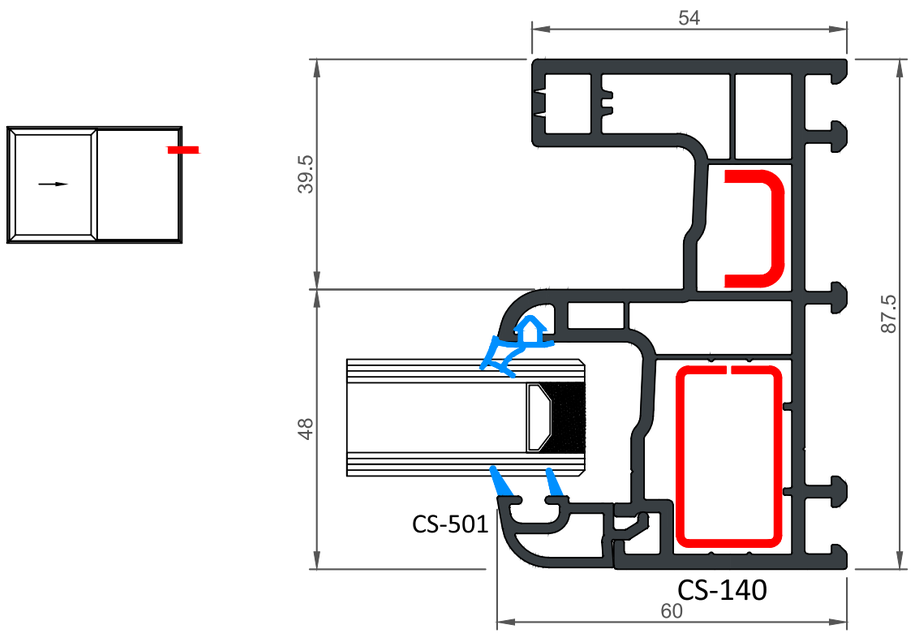
ÇİFT KANATLI SÜRME DETAYLARI / SLIDING DOOR DETAILS WITH DOUBLE SASH



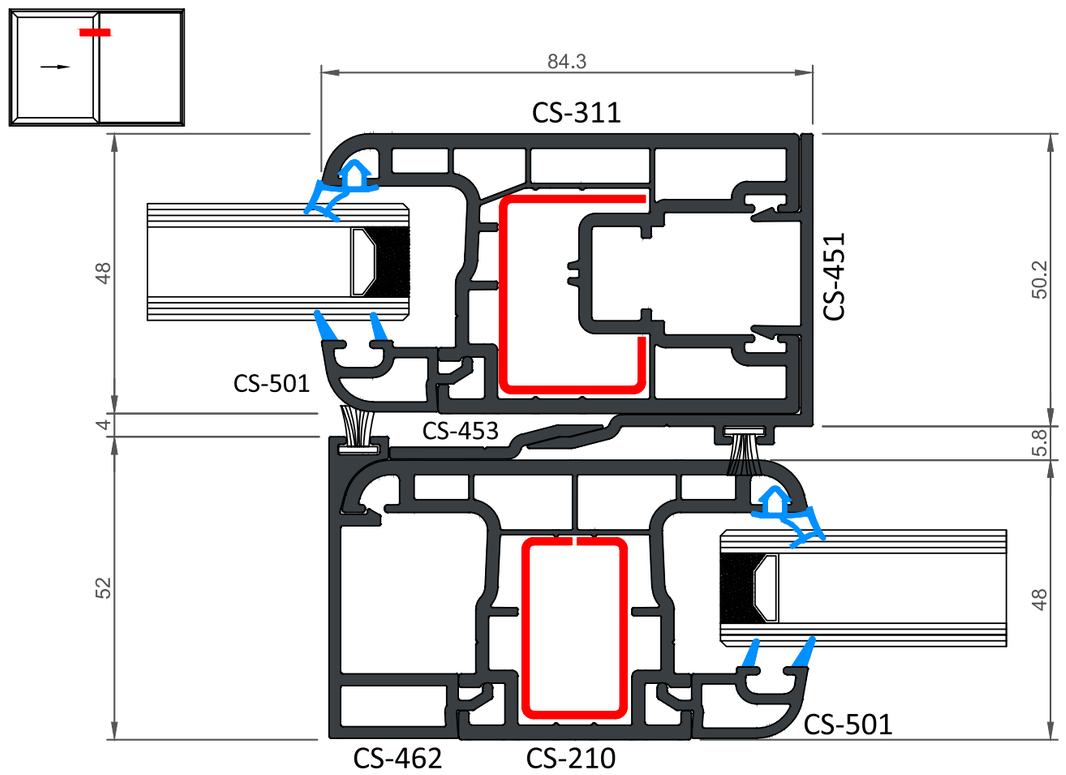


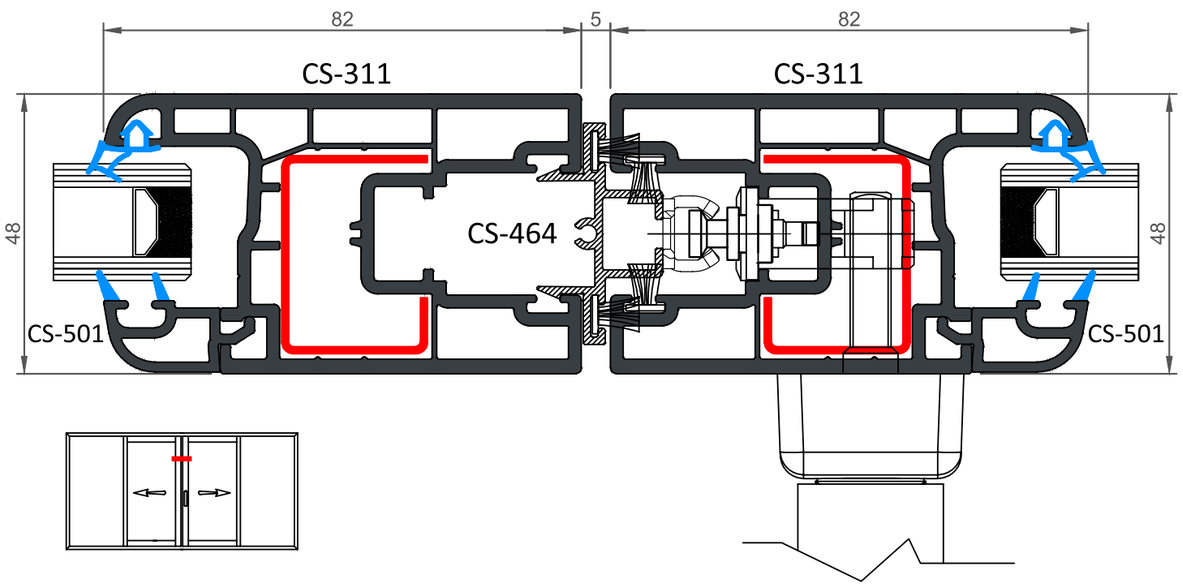
İÇ SABİT DETAYLARI
INNER FIXED DETAILS

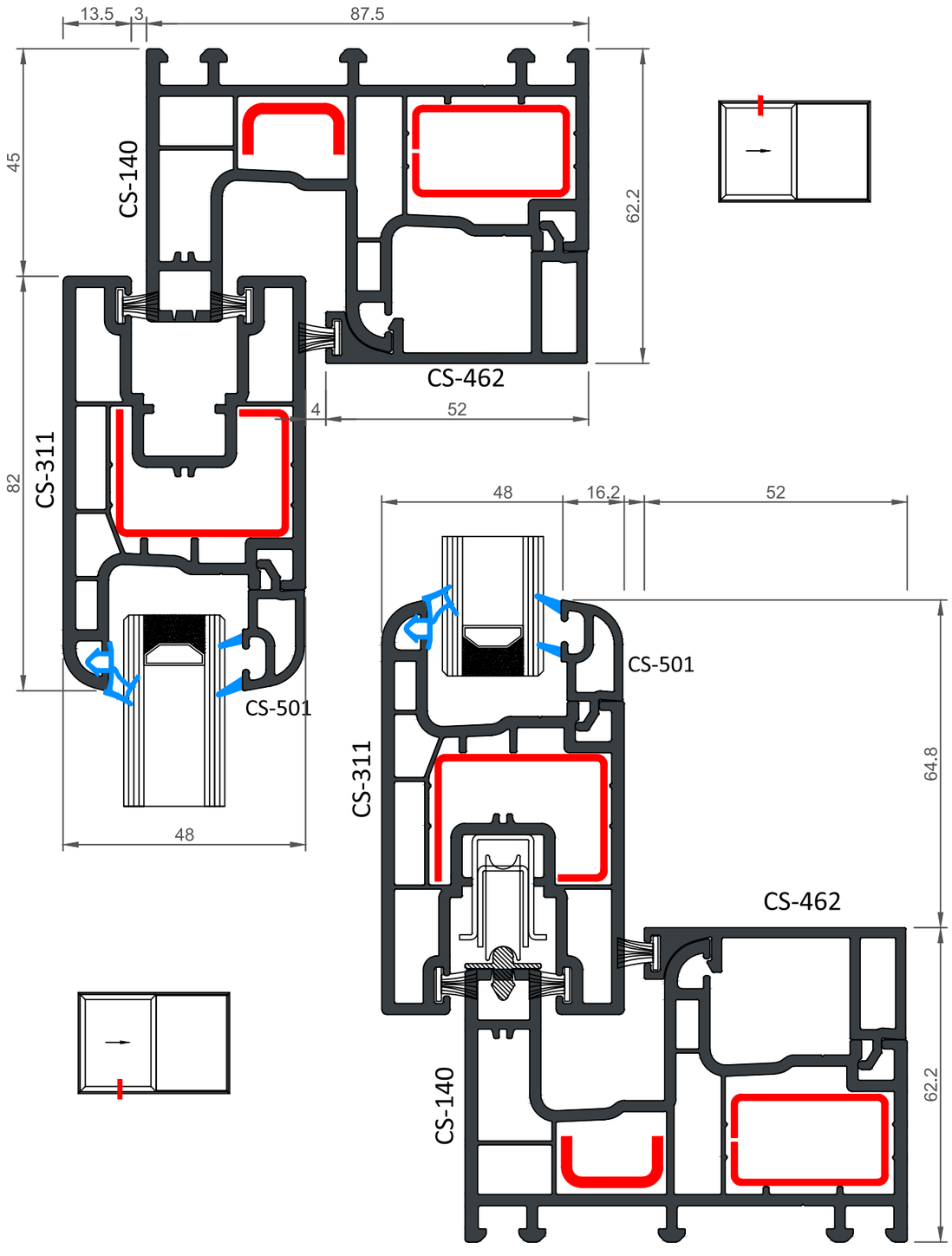


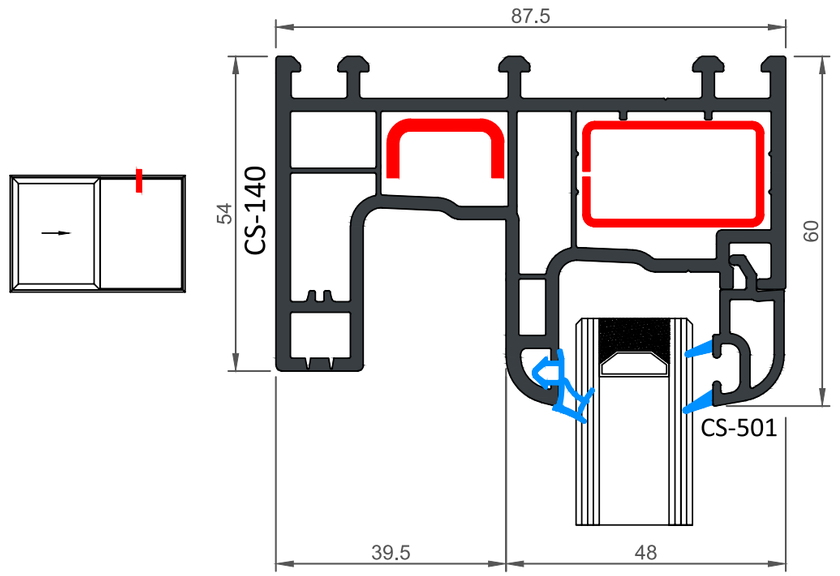


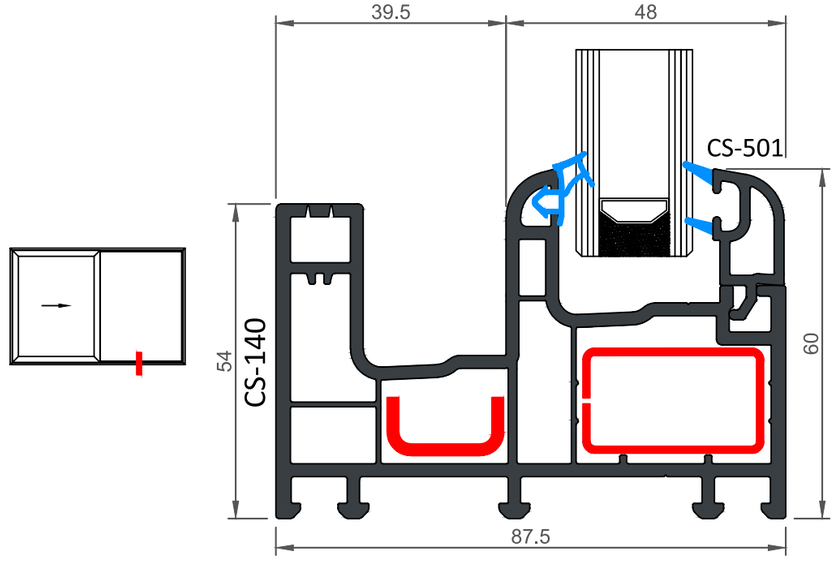
İÇ SABİT DETAYLARI / INNER FIXED DETAILS

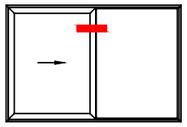


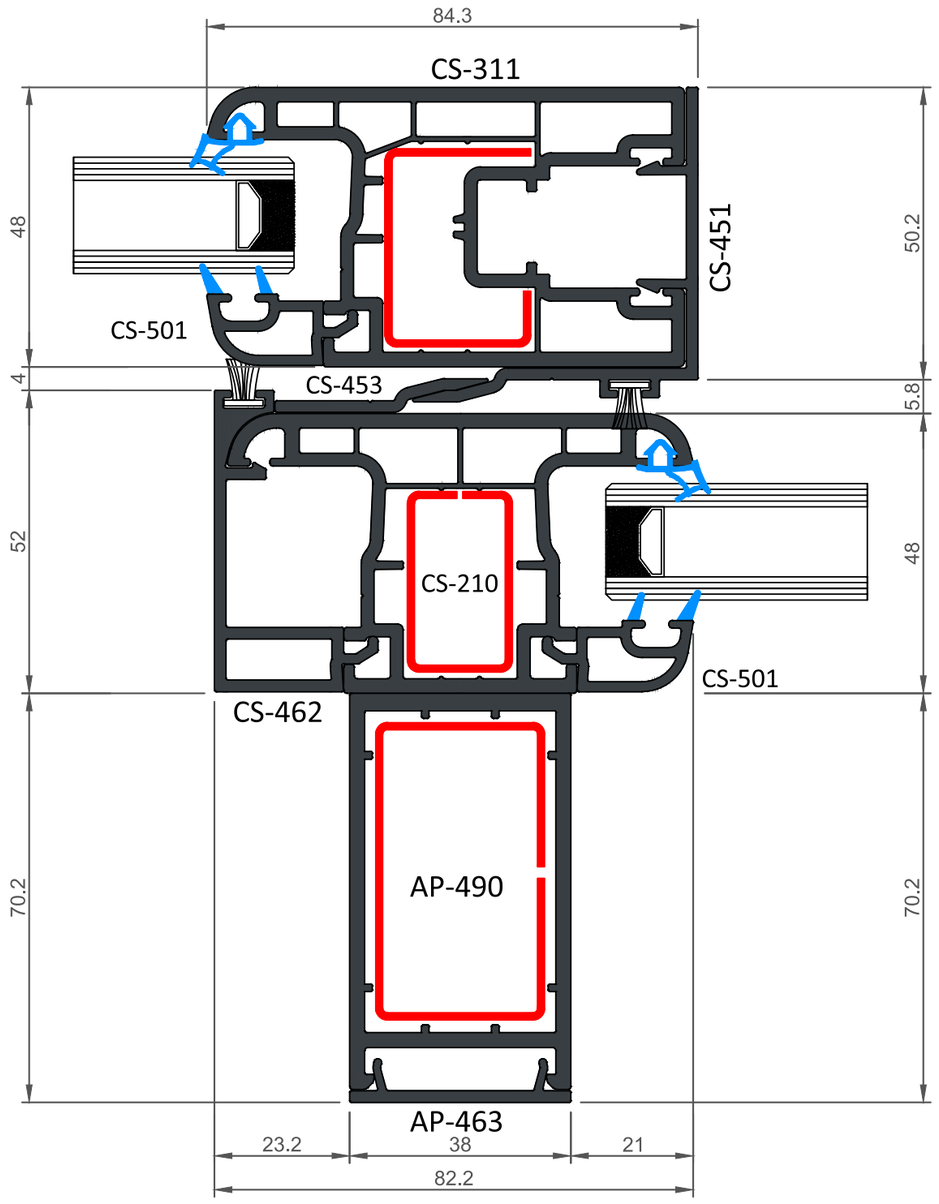


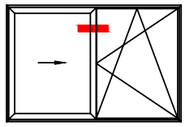

13.5
3
87.5
45
CS-140
62.2
CS-462
4
52
82
CS-311
CS-501
48
48
16.2
52
CS-501
64.8
CS-311
CS-462
CS-140
62.2

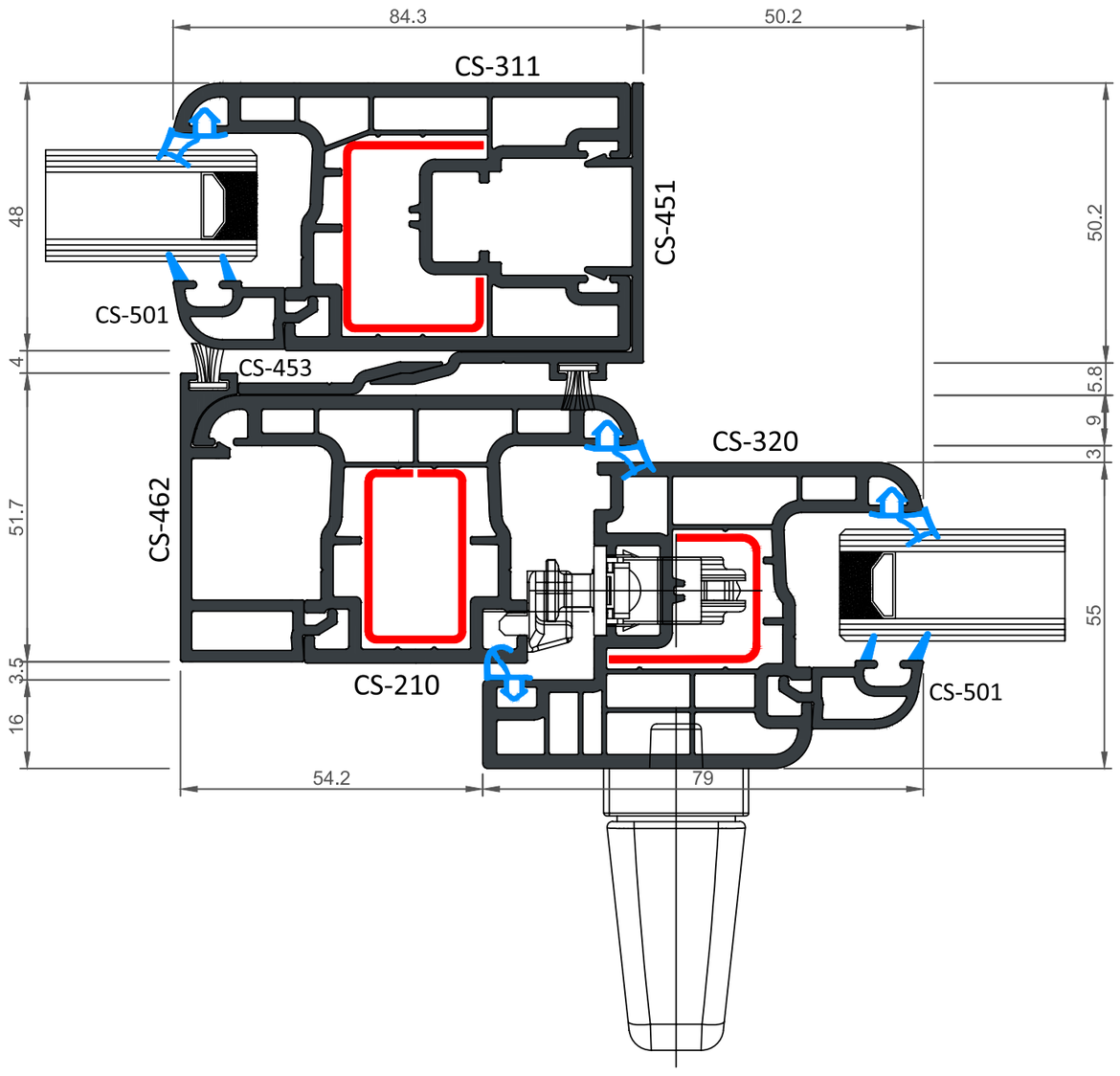

87.5
54
CS-140
60
CS-501
39.5
48

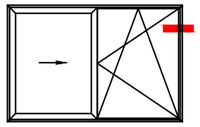

39.5
48
CS-501
54
CS-140
60
87.5

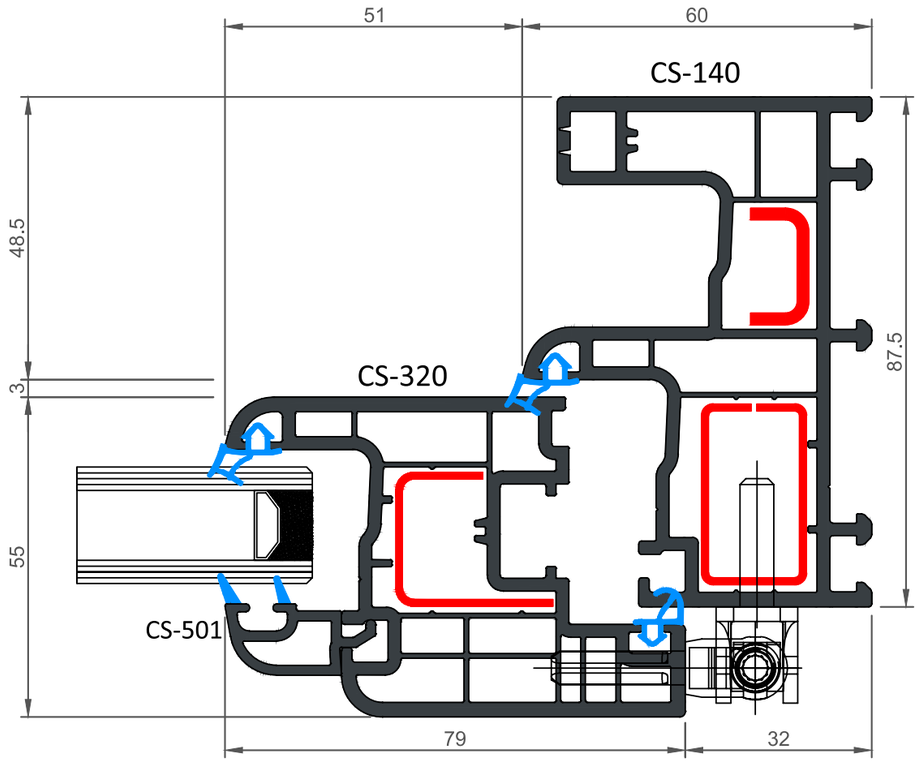



84.3
CS-311
48
CS-451
50.2
CS-501
4
CS-453
5.8
52
48
CS-210
CS-501
CS-462
AP-490
70.2
70.2
AP-463
23.2
38
21
82.2

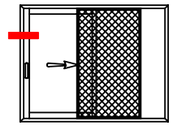


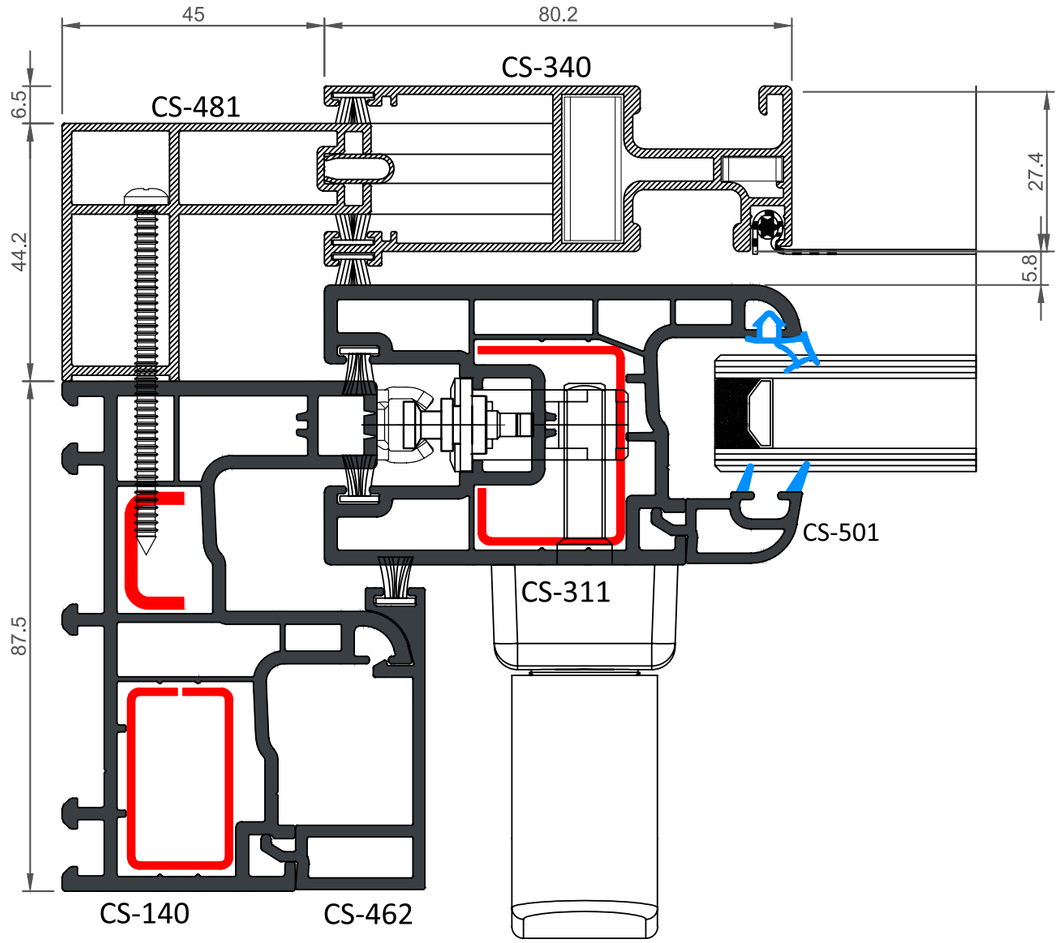

84.3
50.2
CS-311
48
CS-451
50.2
CS-501
4
CS-453
5.8
9
3
CS-320
51.7
CS-462
55
3.5
CS-210
CS-501
16
54.2
79

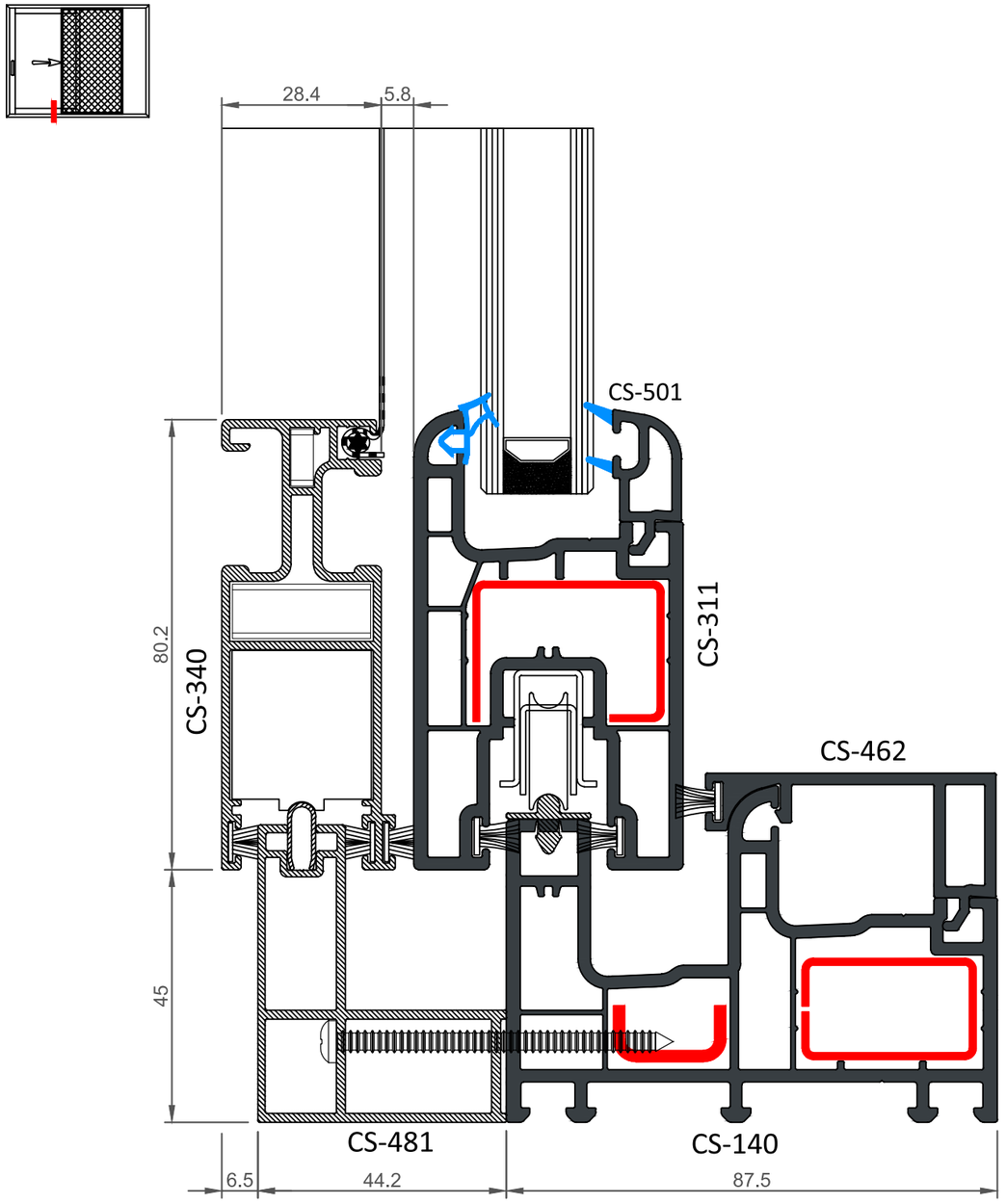




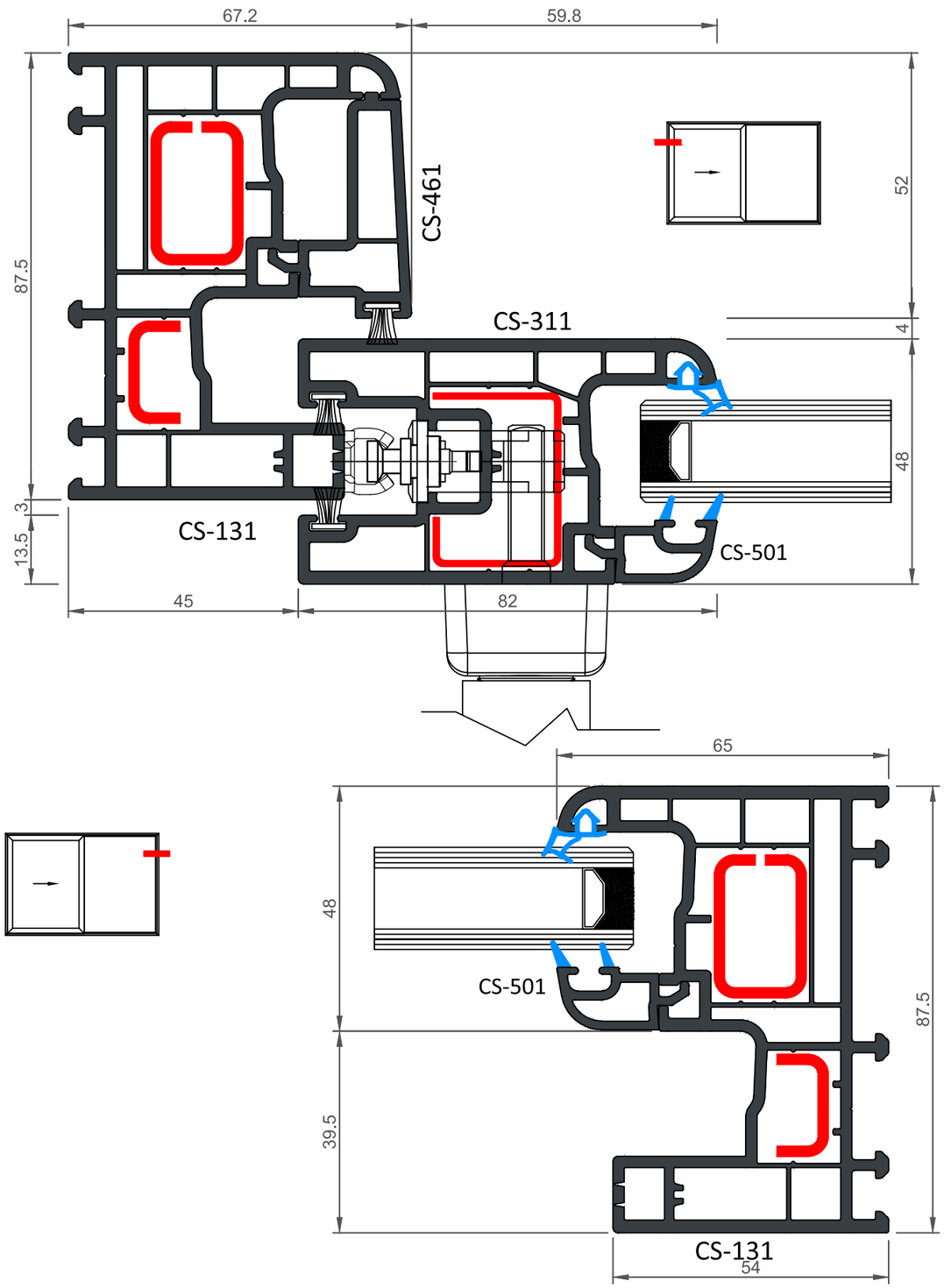
İÇ SABİT DETAYLARI / INNER FIXED DETAILS



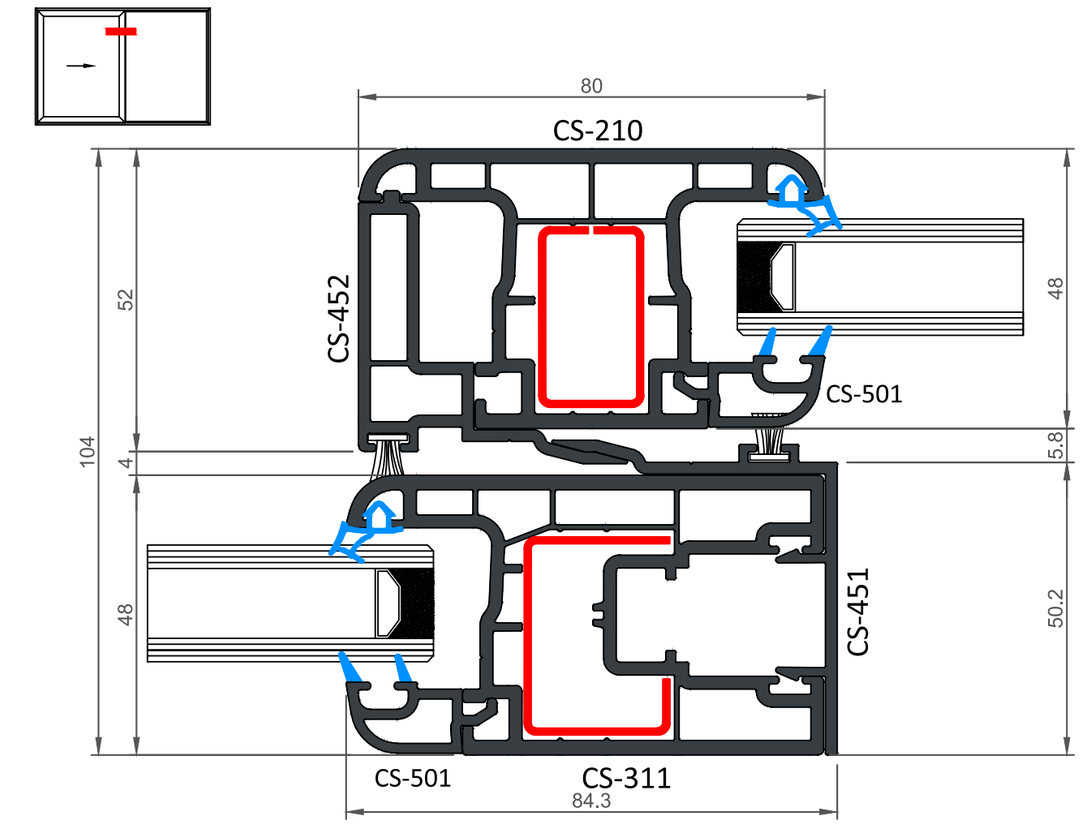


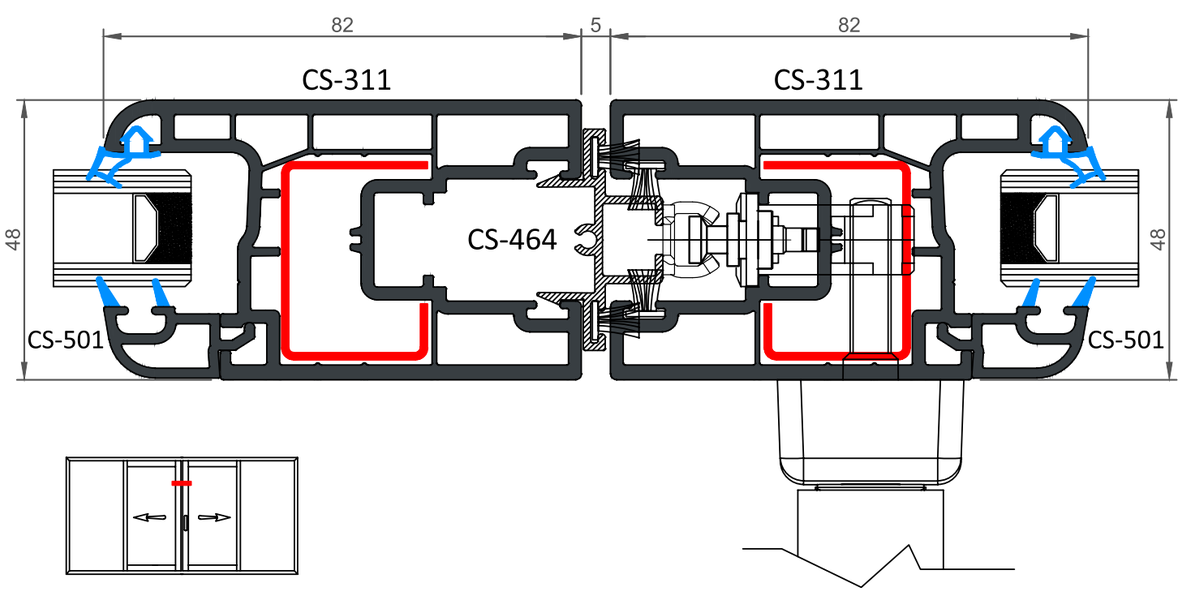

28.4
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CS-311
80.2
CS-340
CS-462
45
CS-481
CS-140
6.5
44.2
87.5

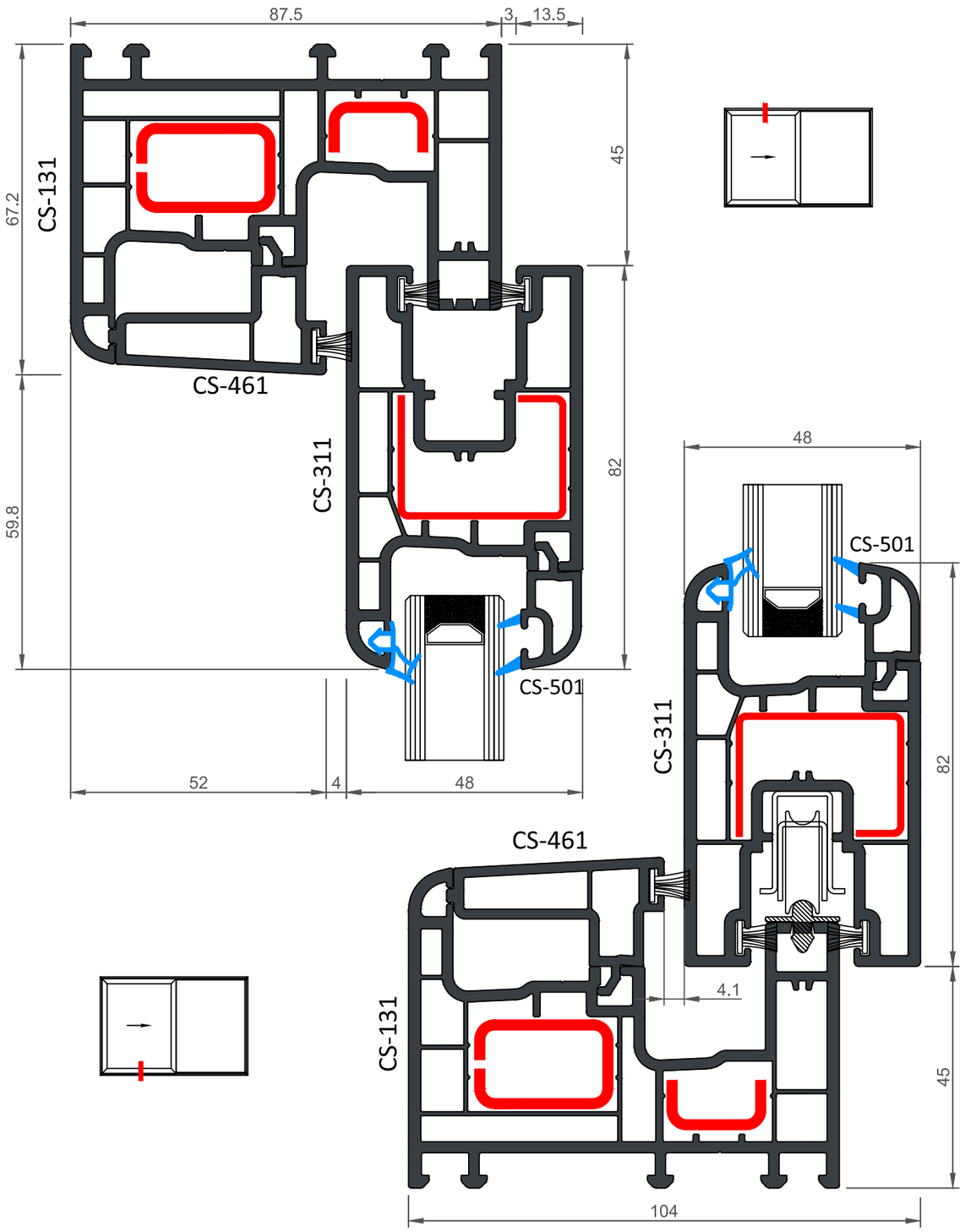
DIŞ SABİT DETAYLARI
OUTER FIXED DETAILS



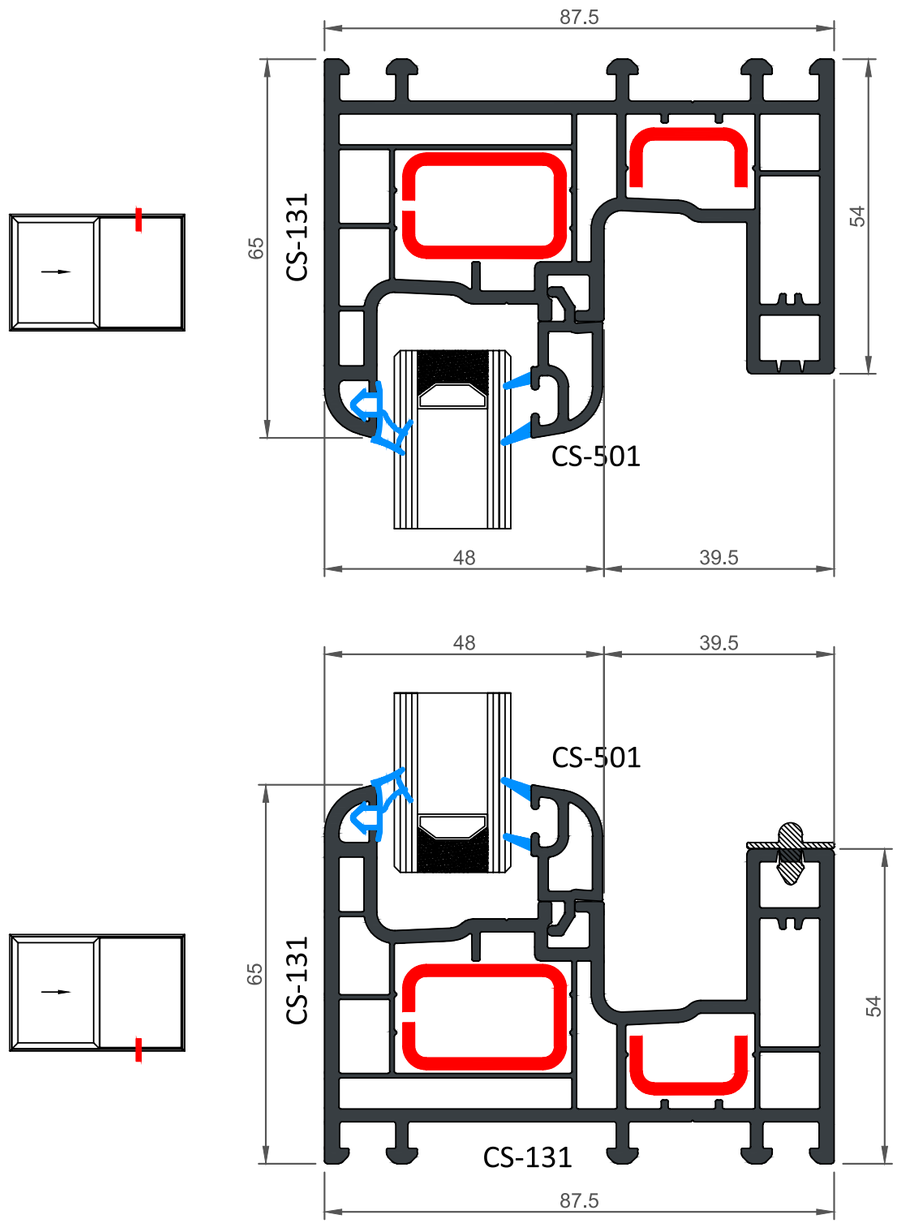
DIŞ SABİT DETAYLARI / OUTER FIXED DETAILS

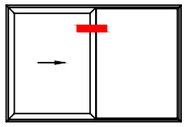


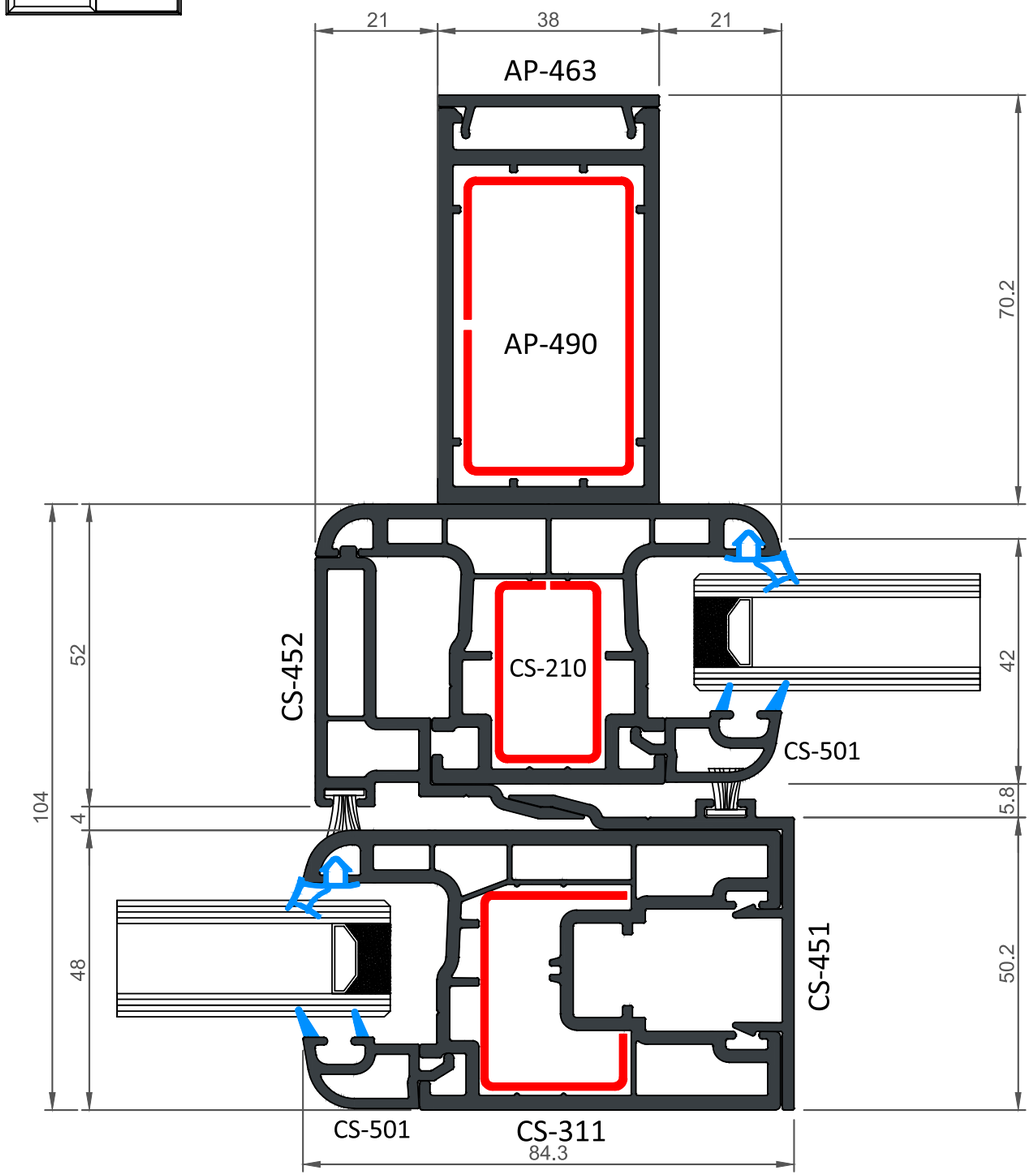




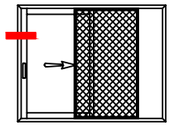
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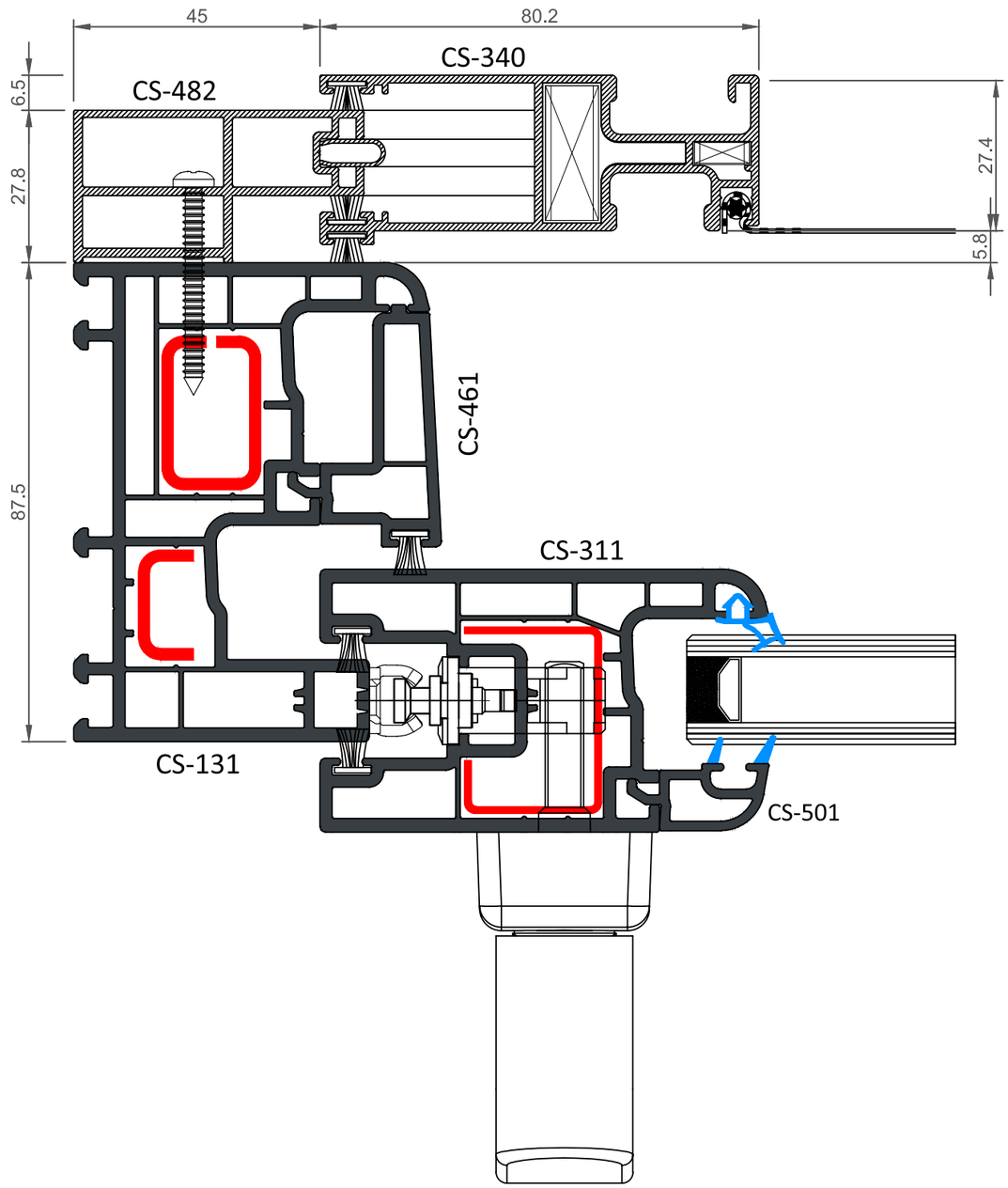


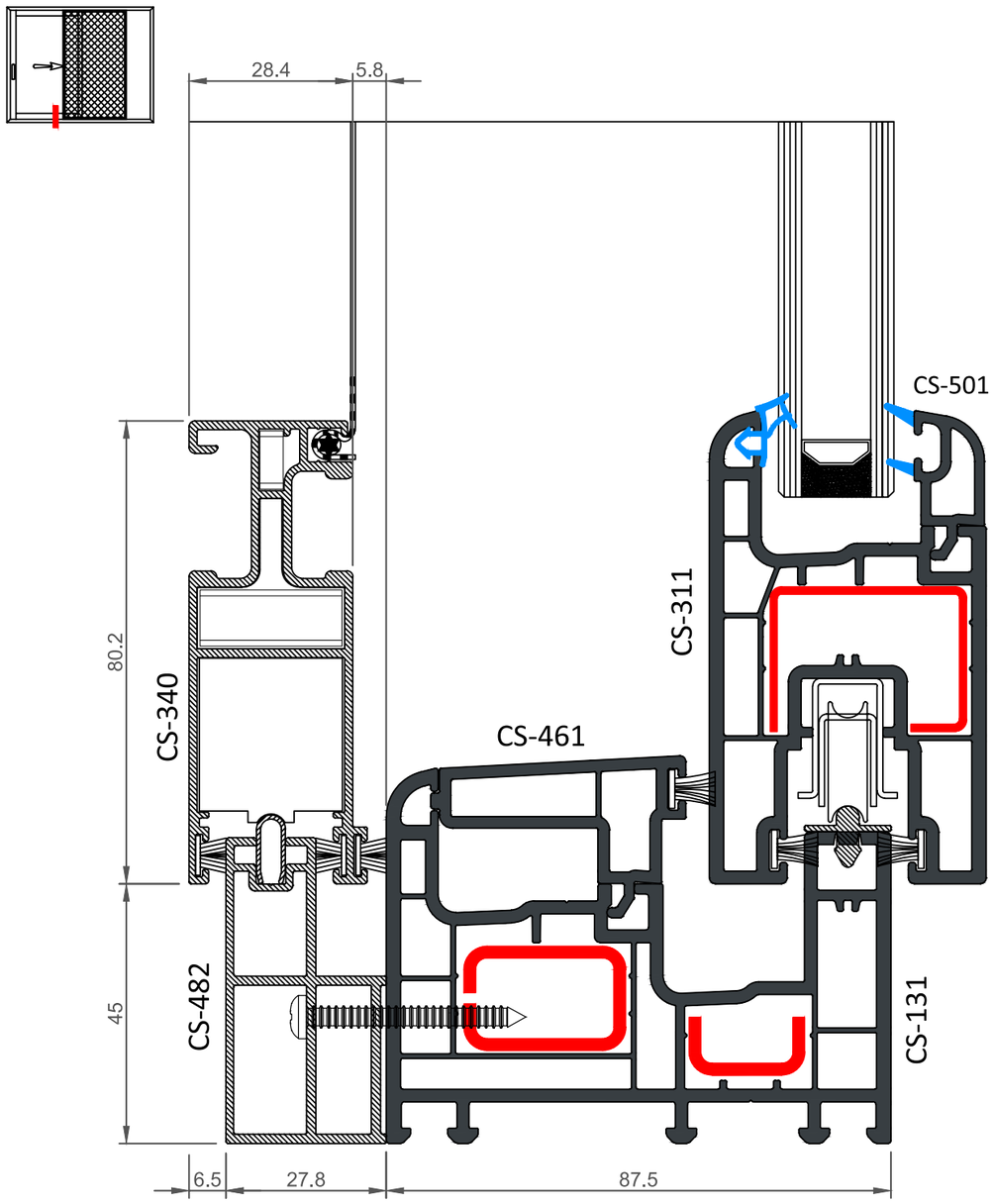




DIŞ SABİT DETAYLARI / OUTER FIXED DETAILS






28.4
5.8
80.2
45
CS-340
CS-482
CS-461
CS-311
CS-501
CS-131
6.5
27.8
87.5



ERSAŞ PEN

GENEL MERKEZ:
İncirlik Sk. No: 11-15, PK 34050
Eyüpsultan - İstanbul / Türkiye
Tel: +90 (212) 674 12 14 / Faks: +90 (212) 674 12 17
info@ersaspen.com.tr
ersaspen.com.tr

HEADQUARTERS:
İncirlik Sk. No: 11-15, PK 34050
Eyüpsultan - İstanbul / Türkiye
Phone: +90 (212) 674 12 14 / Fax: +90 (212) 674 12 17
info@ersaspen.com.tr
ersaspen.com.tr

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