

ÇELİK TAKVİYELİ CEPHE SİSTEMİ
FACADE SYSTEM WITH STEEL REINFORCEMENT

ASR 65



ALUMINANCE[®]
ALUMINIUM SYSTEMS

Company Profile

Firma Profili

“Kalite, Güven, İstikrar” politikası ile pazardaki yerini her geçen gün sağlamlaştırarak ilerleyen Zahit Alüminyum; 2 ayrı fabrikasında, **44.750 m²** kapalı, toplam **96.000 m²** alanda **550**'nin üzerinde çalışanı ile yıllık; yaklaşık **20.000 ton** alüminyum, **1.680.000 m²** alüminyum kompozit panel üretim kapasitesine ulaşmaktadır.

Sektördeki 27 yıllık deneyimini, Dökümhane, Kalıphane, Ekstrüzyon Pres hattı, Eloksal Yüzey İşleme tesisi, Elektrostatik Toz Boya tesisi, Ahşap Kaplama hattı, Alüminyum Kompozit Panel boyama ve üretim hattı, arge ve kalite kontrol birimlerine aktararak, müşterilerine akılcı çözümler üreten bir partnerdir.

Türkiye'nin en büyük entegre tesislerinden biri olan Zahit Alüminyum oluşturduğu bayi ve mağaza ağı ile bugün Türkiye'nin her bölgesine ürün satışı yapmaktadır. Yurtdışı pazarlama faaliyetleri ile yurtdışında da var olduğunu göstermiş ve yaklaşık **20 ülkeye** ihracat gerçekleştirmektedir.



*Zahit Aluminium continues to move forward in the market while adopting Quality, Trust, Stability policy. **44.750 m²** closed, in total **96.000 m²** open area with 2 factories and workmen over **550 persons**, Zahit has a production capacity of total **20.000 tons** aluminium extrusion and **1.680.000 m²** aluminium composite panels. Zahit is a partner in solution with **27 years** of experience, Foundry, Moulding Room, Extrusion Pres Line, Anodising Line, Electrostatic Powder coating Line, Wood Coating Line, Aluminium Composite Panel Coating and Productin Line, R&D and Total Quality Control Units.*

*One of the biggest integrated factories in Turkey, Zahit Aluminium, has sales to all over Turkey and more than **20 countries** with the dealer and branch network.*



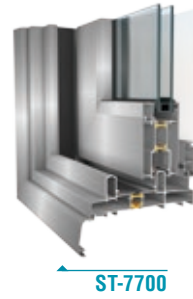
LS-4500



LS-4000



GOS-S4500



ST-7700



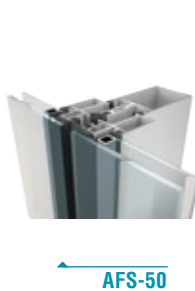
ST-3500



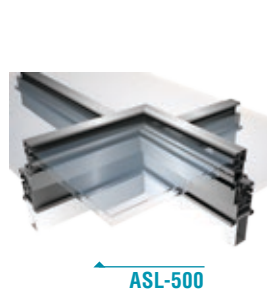
AT-5500



AFC-50



AFS-50



ASL-500



AT-6500



Bir yapı sistem markası olan **ALUMINANCE** yapı sektöründeki müşterilerine çözüm ortağı olacak proje bazlı Alüminyum sistem profilleri ve alüminyum kompozit panel dış cephe kaplamaları ile hizmet vermeyi amaç edinmiştir.

ALUMINANCE müşterilerine mimari dizayn ve estetiği dikkate alarak projelerin uygulama detaylarına uygun alüminyum profiller sunmaktadır. Tüm sektörel gelişmeleri, teknolojik yenilikleri ve müşteri taleplerini takip ederek sunacağı proje bazlı yenilikçi çözümleri ile her zaman kalite ve profesyonellikte alanında lider olmayı hedeflemiştir.

Aluminace; a building system brand, which is a solution partner to its customers in the building sector, aims to service with project based aluminium profile systems and aluminium composite panel cladding systems.

Aluminace, offers to its customers aluminium profiles which are suitable to the application details of the projects, considering the architectural designs and aesthetics. Following all technological innovations, sectoral developments and customer demands, aluminace targets to be the professional leader in market by offering project based and innovative architectural solutions.



Quality Kalite

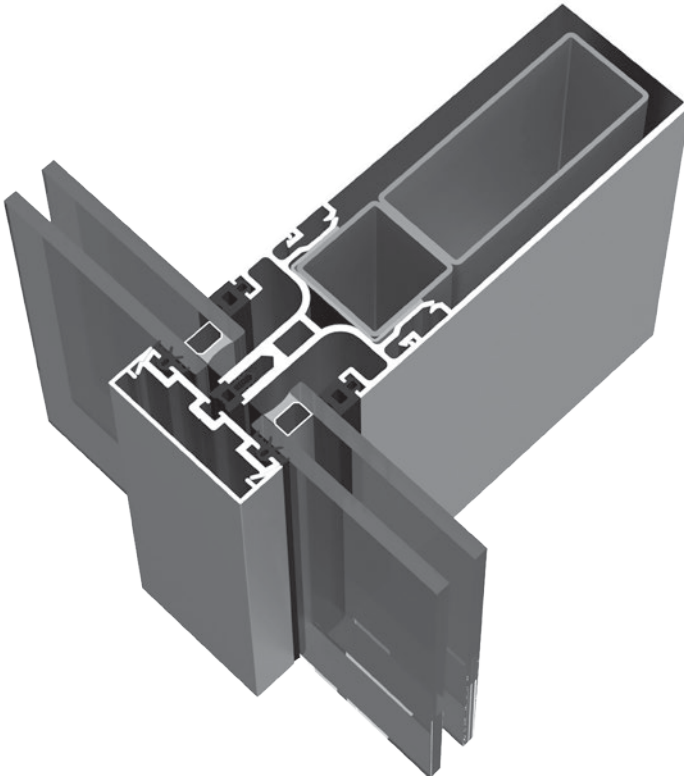
Toplam kalite yönetimini benimsemiş olan firmamız uluslararası kalite standartlarında üretim yapmaktadır. Gelişen Teknolojiyi yakından takip ederek, kalite anlayışımızı her sürecimizde aktif hale getirerek kaliteli ürünleri pazara sunarak ve AR-GE çalışmalarıyla Alüminyum sektörünün ihtiyaçlarını belirleyip taleplerine hızlı ve Ekonomik çözümler bularak, istikrarlı fiyat politikaları, süratli hizmet anlayışıyla zamanında ürün teslimatını gerçekleştirmektedir. Ürünlerimiz **ISO 9001-2008** kalite belgesi, **TSE Kalite Belgesi**, eloksallı ürünlerimiz için **QUALANOD**, boyalı ürünlerimiz için de **QUALICOAT** belgeleri bulunmaktadır.

Sektörün talepleri ve araştırma geliştirme departmanımızın destekleri ile firmamız yurtiçi ve yurtdışında pazarlama faaliyetlerini sürekli olarak geliştirmeye devam etmektedir.

Our company Works with Total Quality Management system and produces in accordance with the international quality standards. Following new and developing technologies, producing high quality products and with Research and Development Zahit determines the main need of the market and find fast and economic solutions. With steady price policy and quick service Zahit Aluminium provides fast deliveries to its customers. The products are certified by ISO 9001-2008, TSE Quality Certificates, CE, Qualanod Qualicoat and Rosenheim Quality Certificates . Our company continues to develop its marketing activities in domestic and international market with the support of our R&D department.



TS 5247 EN 12020
TS 49 22
TS EN 755-1



ASR 65

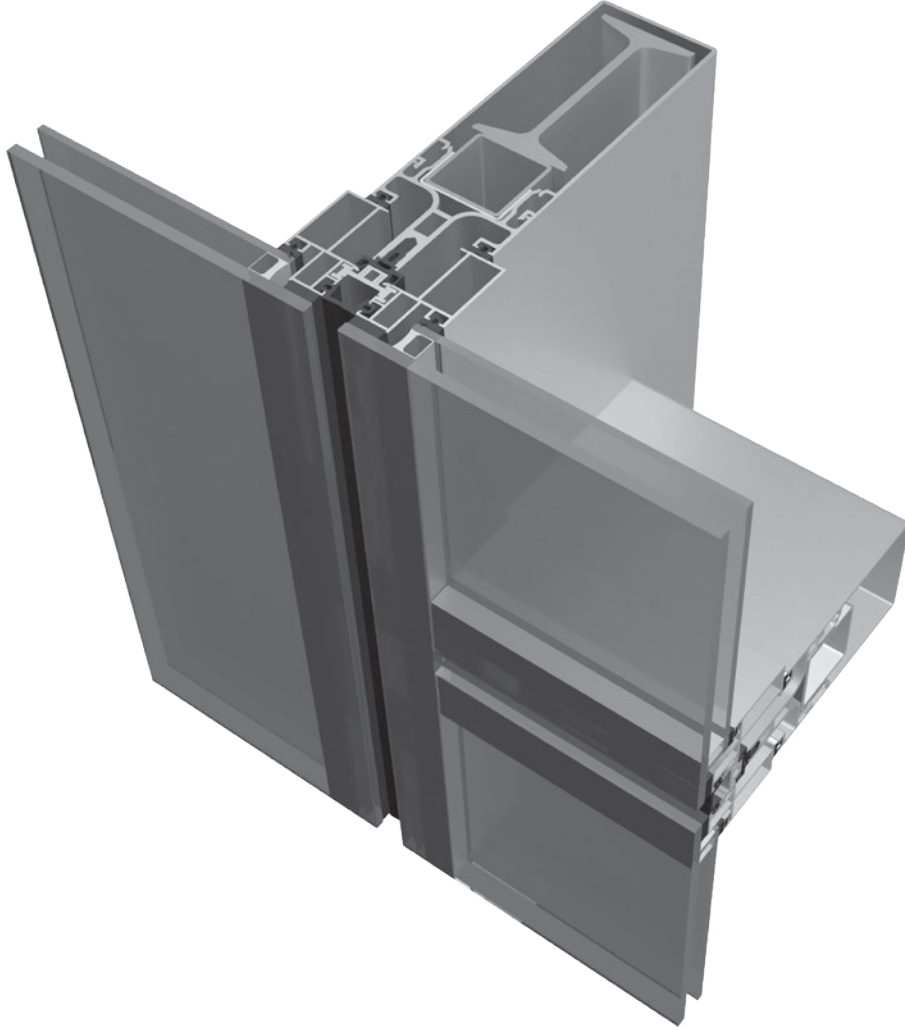
Çelik Takviyeli
Çephe Sistemi

*Facade System With
Reinforcement*

- 02 / 05 PROFİL ve FİTİLLER
- 06 / 07 AKSESUARLAR
- 08 / 10 PROFİL KESİT DETAYLARI
- 11 / 24 SİSTEM DETAYLARI

ASR 65

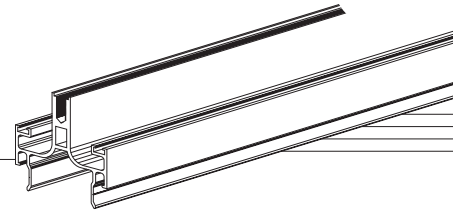
Çelik Takviyeli Cephe Sistemi
Facade System With Reinforcement



- Geniş açıklıkların çözümünde etkili cephe sistemi.
- 65 mm gövde kalınlığı.
- 2 mm profil et kalınlığı.
- Kondens kanallı taşıyıcılar.
- Hava, su ve toz sızdırmazlığında kullanılan EPDM fitiller.
- Baskı kapak çeşitliliği ile modern tasarımlar.
- Montaj vidası ve çelik konstrüksiyonu gizleyen arka kapaklar.
- Kapaklı cephe ve yarı kapaklı cephe sistemi uygulama olanağı.
- Kapı, pencere ve sürme doğramalar entegre edilebilen sistem detayları.
- Tarafımızdan temin edilebilen yerli ve ithal (GIESSE) aksesuarlar.
- Elektrostatik toz boyalı (Ral) ve eloksal yüzey seçeneklerinde QUALANOD ve QUALICOAT kalite belgeleri.
- İmalat ve montaj kolaylığı.

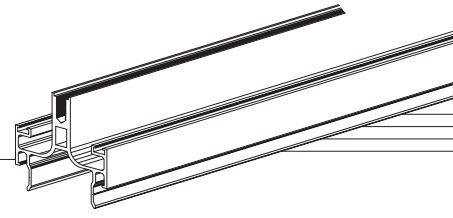
- *Efficient Facade System in covering large gaps.*
- *65 mm frame thickness.*
- *2 mm profile thickness.*
- *Carriers with condense channels.*
- *EPDM seal for wind, water and dust isolation.*
- *Modern design with variety of caps.*
- *Bottom caps which hides the installation screws and steel Construction.*
- *Capped and Halp capped facade application.*
- *Integrated details for window door and sliding systems.*
- *Local and European (GIESSE) accessories supplied by us.*
- *Quality certifications QUALANOD and QUALICOAT for powder coated and anodised surface.*
- *Easy production and application.*

PROFİL ŞEKLİ DRAWING	PROFİL NO PROFILE NO	TANIMI DESCRIPTION	TEORİK AĞIRLIK THEORETICAL WEIGHT (kg/mt)	SAYFA NUMARASI PAGE NUMBER	STATİK DEĞER STATICS	
					Jxx (cm ⁴)	Jyy (cm ⁴)
	2481	DÜŞEY TAŞIYICI MONTAJ PROFİLİ VERTICAL CARRIER ASSEMBLY PROFILE	1,855	8	24,95	19,48
	2482	YATAY TAŞIYICI MONTAJ PROFİLİ HORIZONTAL CARRIER ASSEMBLY PROFILE	1,900	8	28,22	20,14
	2477	MONTAJ PROFİLİ ASSEMBLY PROFILE	1,095	8	18,00	4,16
	2476	GRİYAJ PROFİLİ GRILLAGE PROFILE 2,00 mm 80 x 65	1,345	9	40,21	39,37








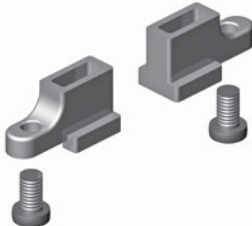


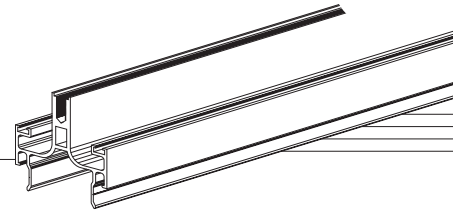
PROFİL ŞEKLİ DRAWING	PROFİL NO PROFILE NO	TANIMI DESCRIPTION	TEORİK AĞIRLIK THEORETICAL WEIGHT (kg/mt)	SAYFA NUMARASI PAGE NUMBER	STATİK DEĞER STATICS	
					Jxx (cm ⁴)	Jyy (cm ⁴)
	2475	GRIYAJ PROFİL GRIYAJ PROFILE 2,00 mm 140 x 65	2,240	9	69,62	185,97
	2480	KAPAK PROFİL CAP PROFILE	0,405	10		
	2479	KAPAK PROFİL CAP PROFILE	0,455	10		
	2478	KAPAK PROFİL ALTI PRESSURE PLATE	0,675	10		











PROFİL ŞEKLİ DRAWING	PROFİL NO PROFILE NO	TANIMI DESCRIPTION	TEORİK AĞIRLIK THEORETICAL WEIGHT (kg/mt)	SAYFA NUMARASI PAGE NUMBER	STATİK DEĞER STATICS	
					Jxx (cm ⁴)	Jyy (cm ⁴)
	Z-16	CEPHE KAPAK FİTİL GASKET	75 gr/mt 165 mt			
	Z-17	CEPHE FİTİL GASKET	60 gr/mt 220 mt			
	Z-37	CEPHE FİTİL GASKET	63 gr/mt 190 mt			
	Z-40	CEPHE FİTİL GASKET	95 gr/mt 125 mt			
	Z-32	KULAKLI FİTİL GASKET	65 gr/mt 185 mt			
	Z-28	CEPHE FİTİL GASKET	59 gr/mt 205 mt			

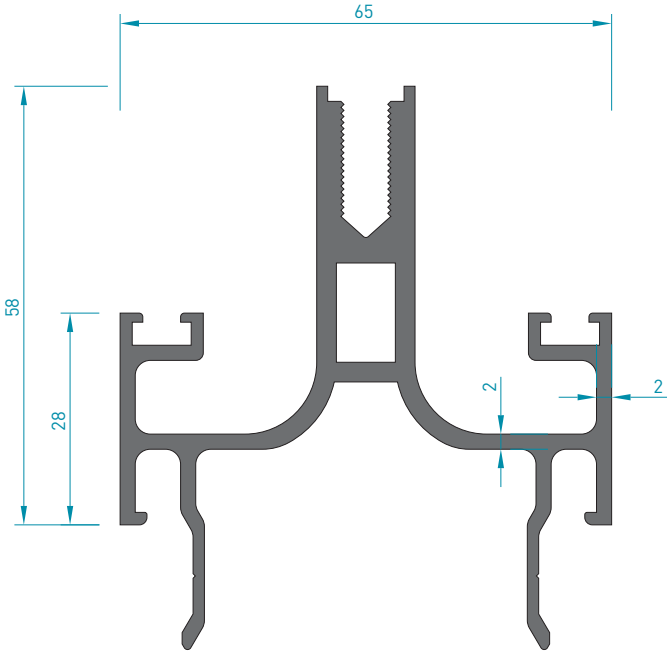


PROFİL ŞEKLİ DRAWING	PROFİL NO PROFILE NO	TANIMI DESCRIPTION	TEORİK AĞIRLIK THEORETICAL WEIGHT (kg/mt)	SAYFA NUMARASI PAGE NUMBER	STATİK DEĞER STATICS	
					Jxx (cm ⁴)	Jyy (cm ⁴)
	Z-29	CEPHE FİTİL GASKET	127 gr/mt 80 mt			
	Z-30	CEPHE FİTİL GASKET	98 gr/mt 125 mt			
	Z-52	CEPHE CAM FİTİL GASKET	60 gr/mt 200 mt			
	Z-18	CEPHE CAM DIŞ FİTİL GASKET	70 gr/mt 170 mt			
	Z-19	CEPHE ORTA FİTİL GASKET	175 gr/mt 60 mt			

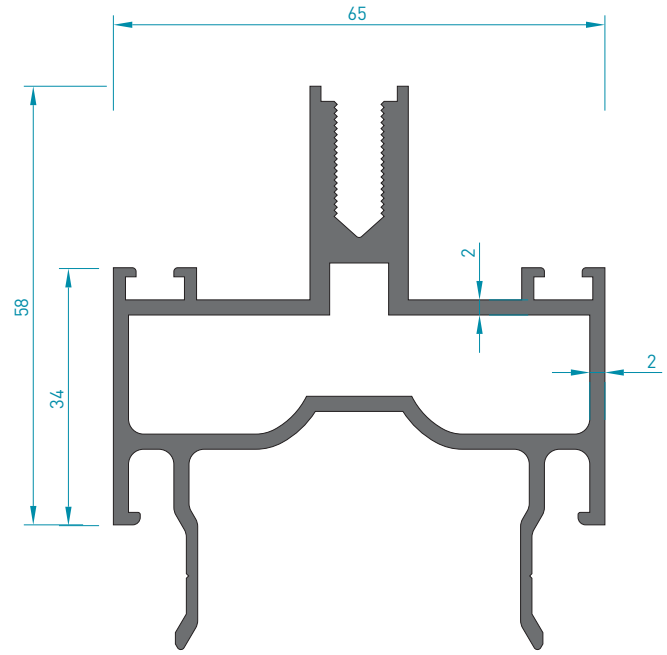
AKSESUAR ACCESSORIES	SİPARİŞ KODU ORDER CODE	PAKET ADEDİ UNITS	AKSESUAR ACCESSORIES	SİPARİŞ KODU ORDER CODE	PAKET ADEDİ UNITS
	01990000			01170N	
PARALEL MAKAS			KIVRIK KOL (ÇİFT MAÇA)		
	GS HD-10" P TİPİ	08534000N		01001	
	GS HD-12" P TİPİ	08535000N			
	GS HD-14" P TİPİ	08536000N			
	GS HD-16" P TİPİ	08537000N			
	GS HD-18" P TİPİ	08538000N			
	GS HD-20" P TİPİ	08539000N			
	GS HD-22" P TİPİ	08540000N			
	GS HD-24" P TİPİ	08541000N			
TERS VASİSTAS MAKAS	GS HD-28" P TİPİ	08542000N	EKSENEL KOL		
	05007			01192	
KIVRIK KOL			KİLİTLİ KOL		
	05008			02236	
KIVRIK KOL (KEY ANAHTARLI)				02262	
			BAGLANTI ELEMANI		



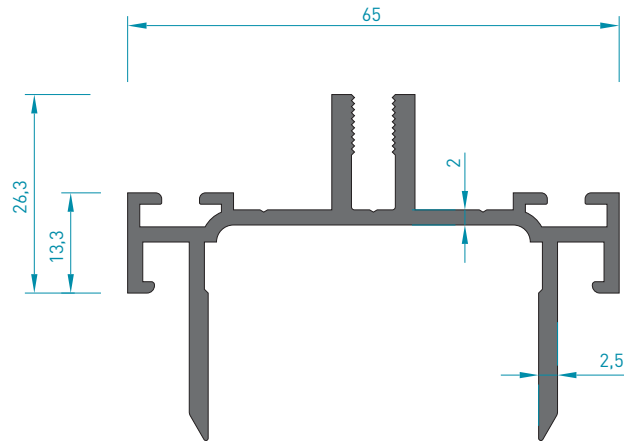
AKSESUAR ACCESSORIES	SİPARİŞ KODU ORDER CODE	PAKET ADEDİ UNITS	AKSESUAR ACCESSORIES	SİPARİŞ KODU ORDER CODE	PAKET ADEDİ UNITS
 <p>SABİT KARŞILIK</p>	01266K		 <p>ÜST KİLİTLEME ELEMANI</p>	01374	
	01267K				
 <p>AYARLI PİM</p>	04030		 <p>KİLİT PİMİ</p>	01214	
	04682				
 <p>KÖŞE DÖNME</p>	04019K		 <p>KİLİT PİMİ ve KİLİT KARŞILIK</p>	04047K	
				04030K	
 <p>KÖŞE DÖNME</p>	04020K		 <p>KASET SABİTLEME TAKOZU</p>	GC-004	
 <p>LİMİTLEME MAKASI</p>	LAZER 2 KADEMELİ TELESKOPIK MAKAS 01951		 <p>SABİT KARŞILIK</p>	SCA-001	
	LAZER 5 KADEMELİ TELESKOPIK MAKAS 01954				



2481
DÜSEY TAŞIYICI
MONTAJ PROFİLİ
1.855 kg/mt
Jx : 24.95 cm⁴
Jy : 19.48 cm⁴

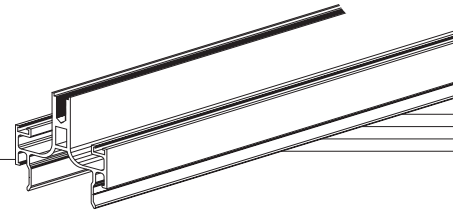


2482
YATAY TAŞIYICI
MONTAJ PROFİLİ
1.900 kg/mt
Jx : 28.22 cm⁴
Jy : 20.14 cm⁴

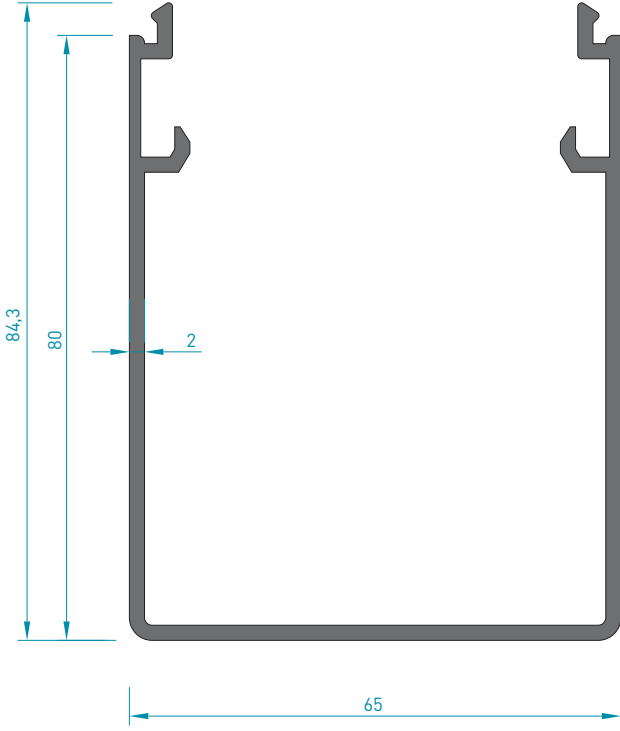


2477
MONTAJ PROFİLİ
1.095 kg/mt
Jx : 18.00 cm⁴
Jy : 4.16 cm⁴

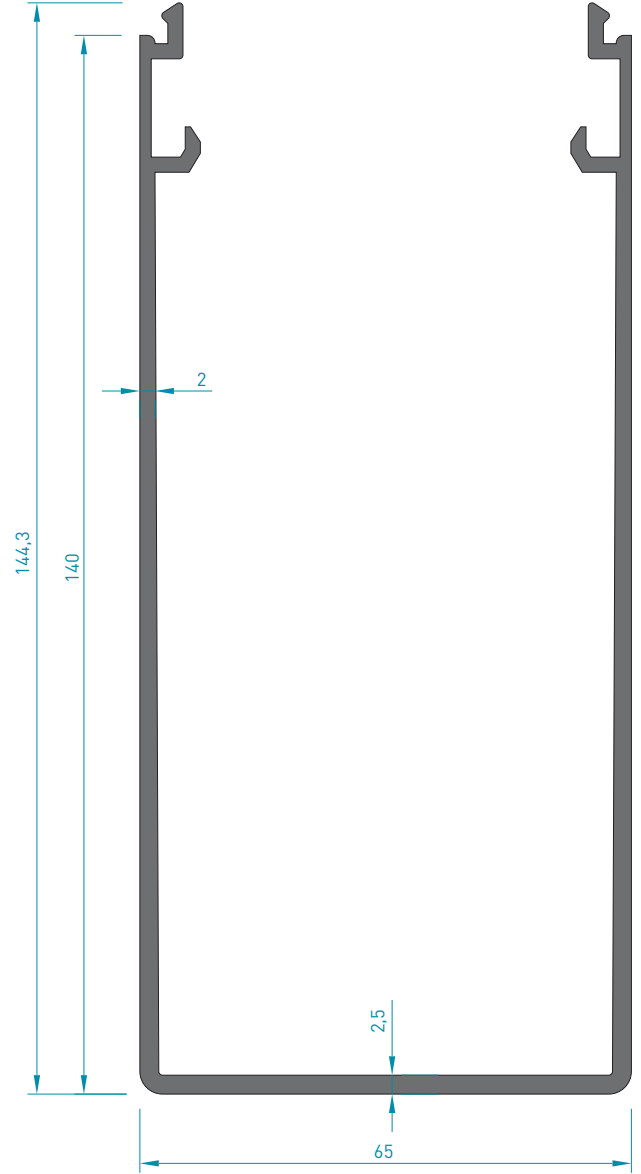
* Belirtilen ağırlıklar Pres Profil için teorik kilogramlardır.
* Boyalı Profillerde ağırlığa % 5 ilave edilmesi gereklidir.



PROFİL KESİT DETAYLARI

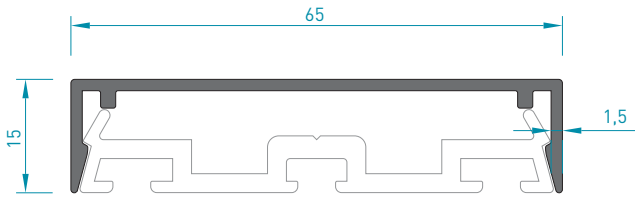


2476
80' LİK GRIYAJ
1.345 kg/mt
Jx : 39.37 cm⁴
Jy : 40.21 cm⁴

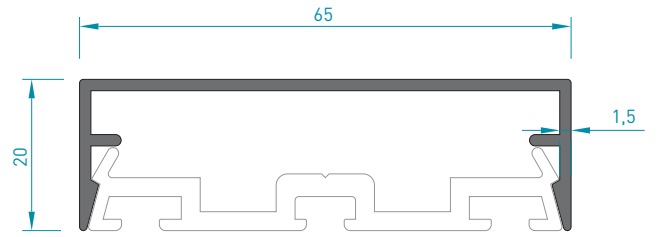


2475
140' LİK GRIYAJ
2.240 kg/mt
Jx : 69.62 cm⁴
Jy : 185.97 cm⁴

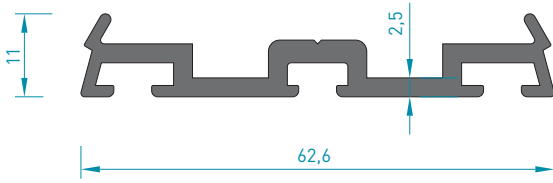
* Belirtilen ağırlıklar Pres Profil için teorik kilogramlardır.
* Boyalı Profillerde ağırlığa % 5 ilave edilmesi gereklidir.



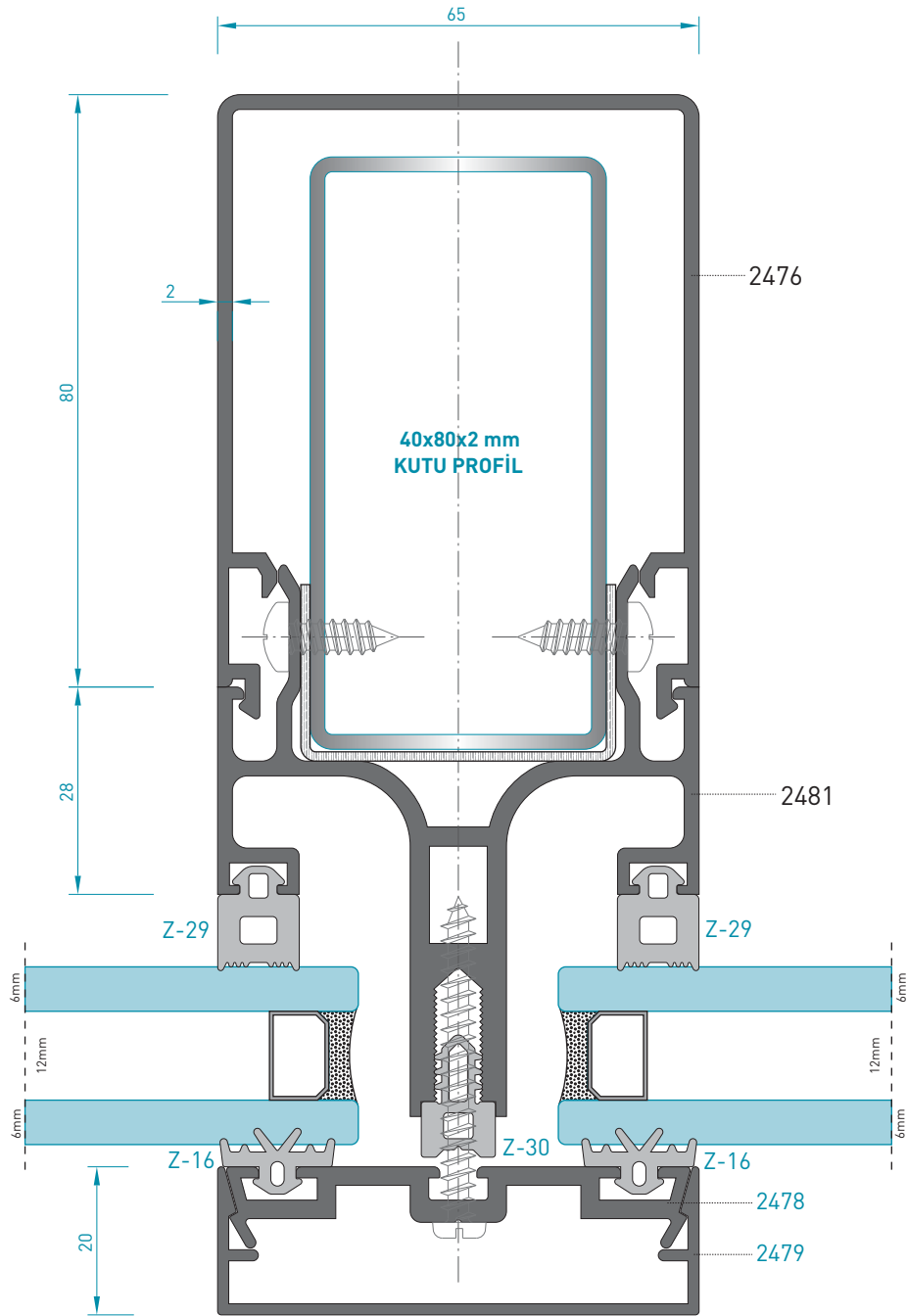
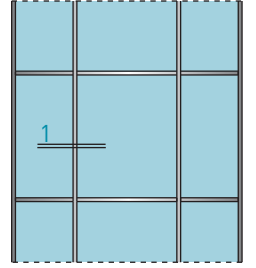
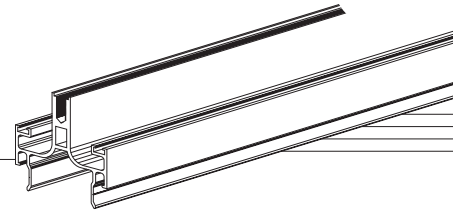
2480
KAPAK PROFİL
0.405 kg/mt

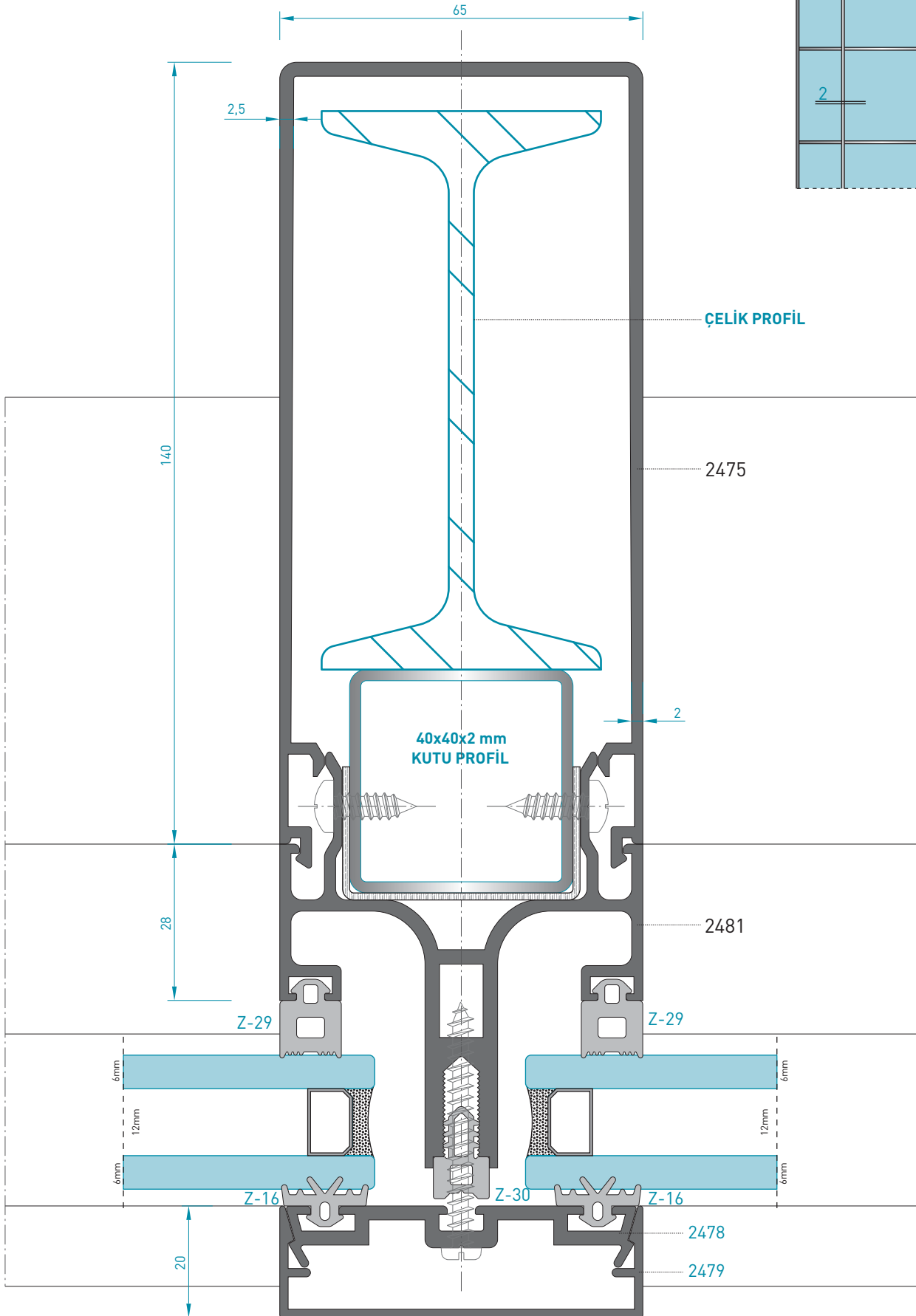


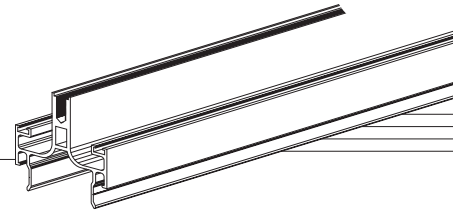
2479
KAPAK PROFİL
0.455 kg/mt



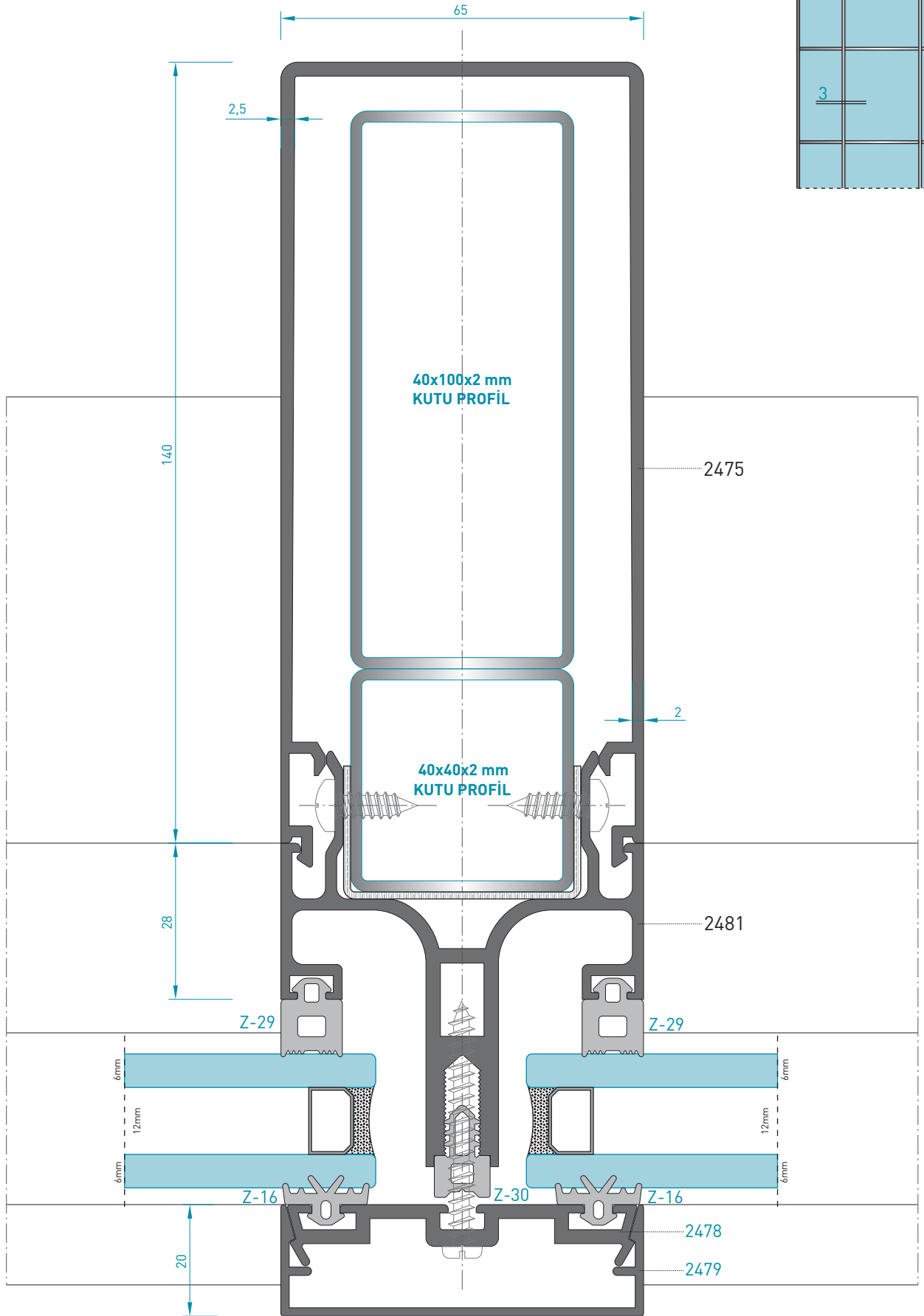
2478
KAPAK PROFİL ALTI
0.675 kg/mt

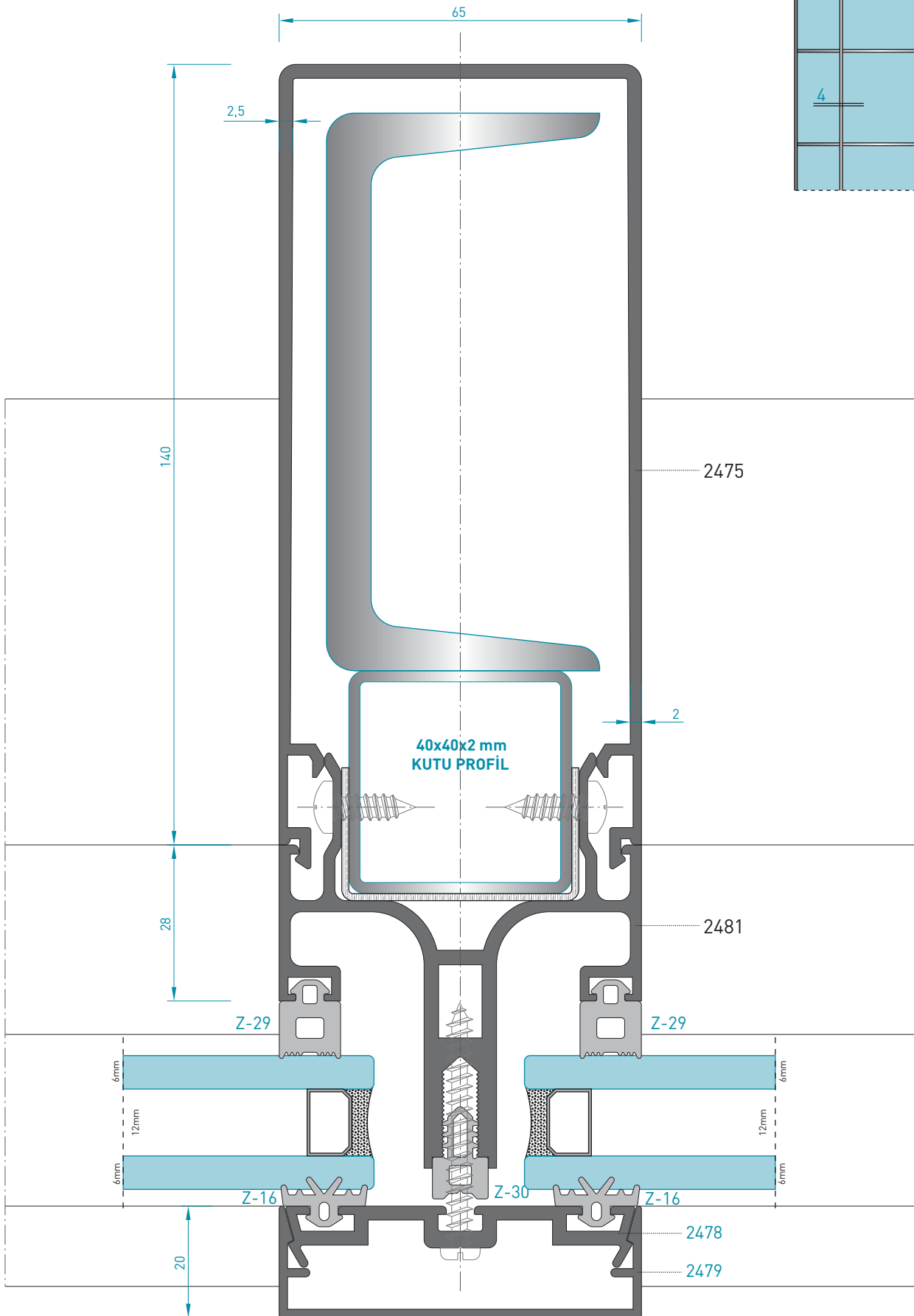


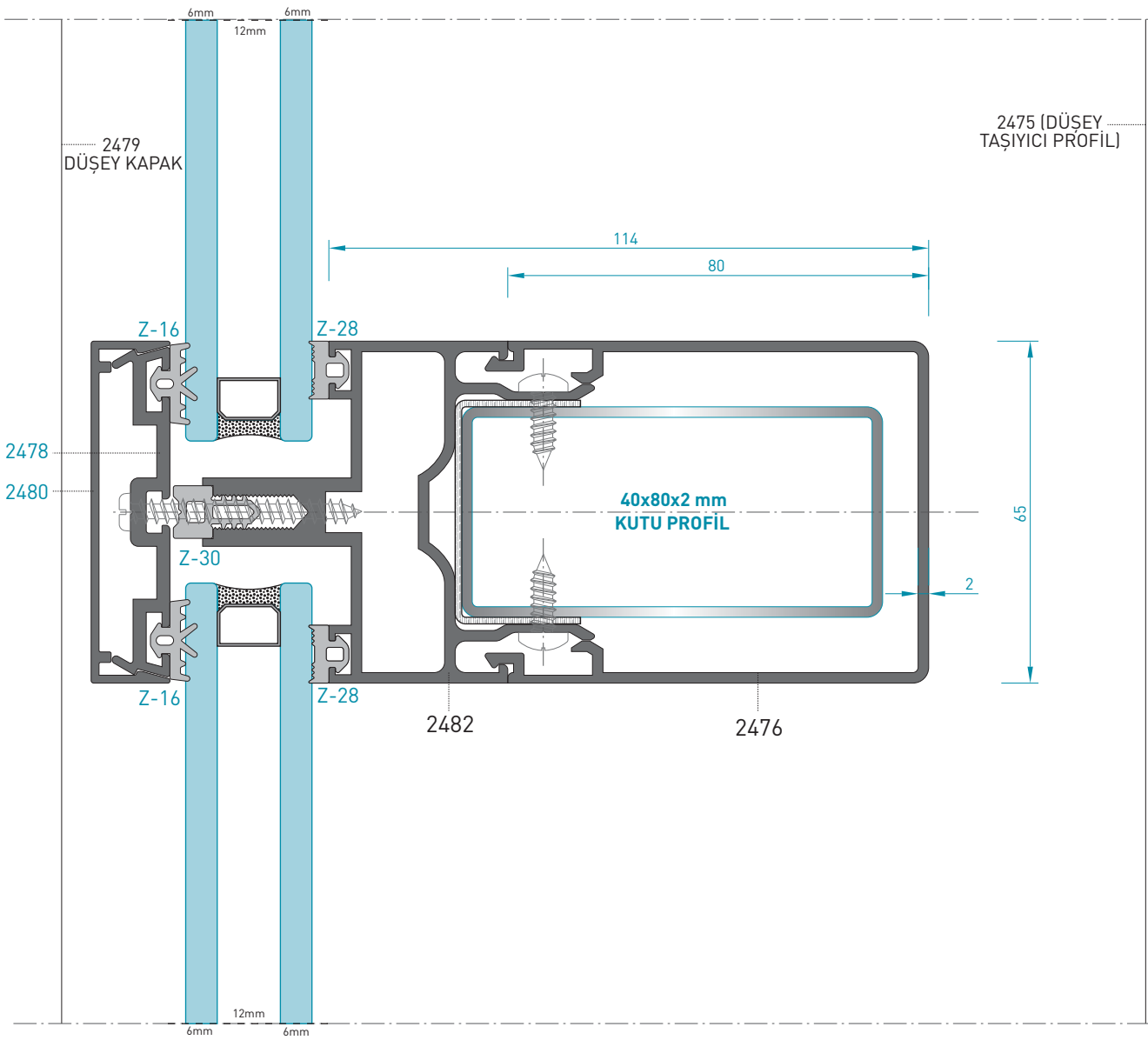
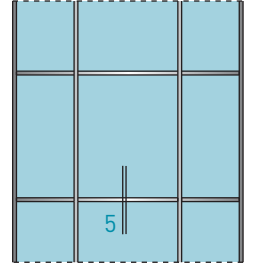
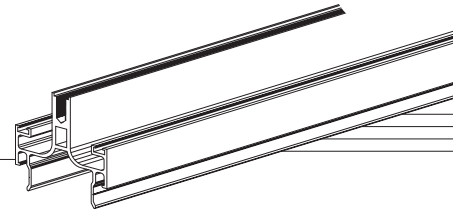


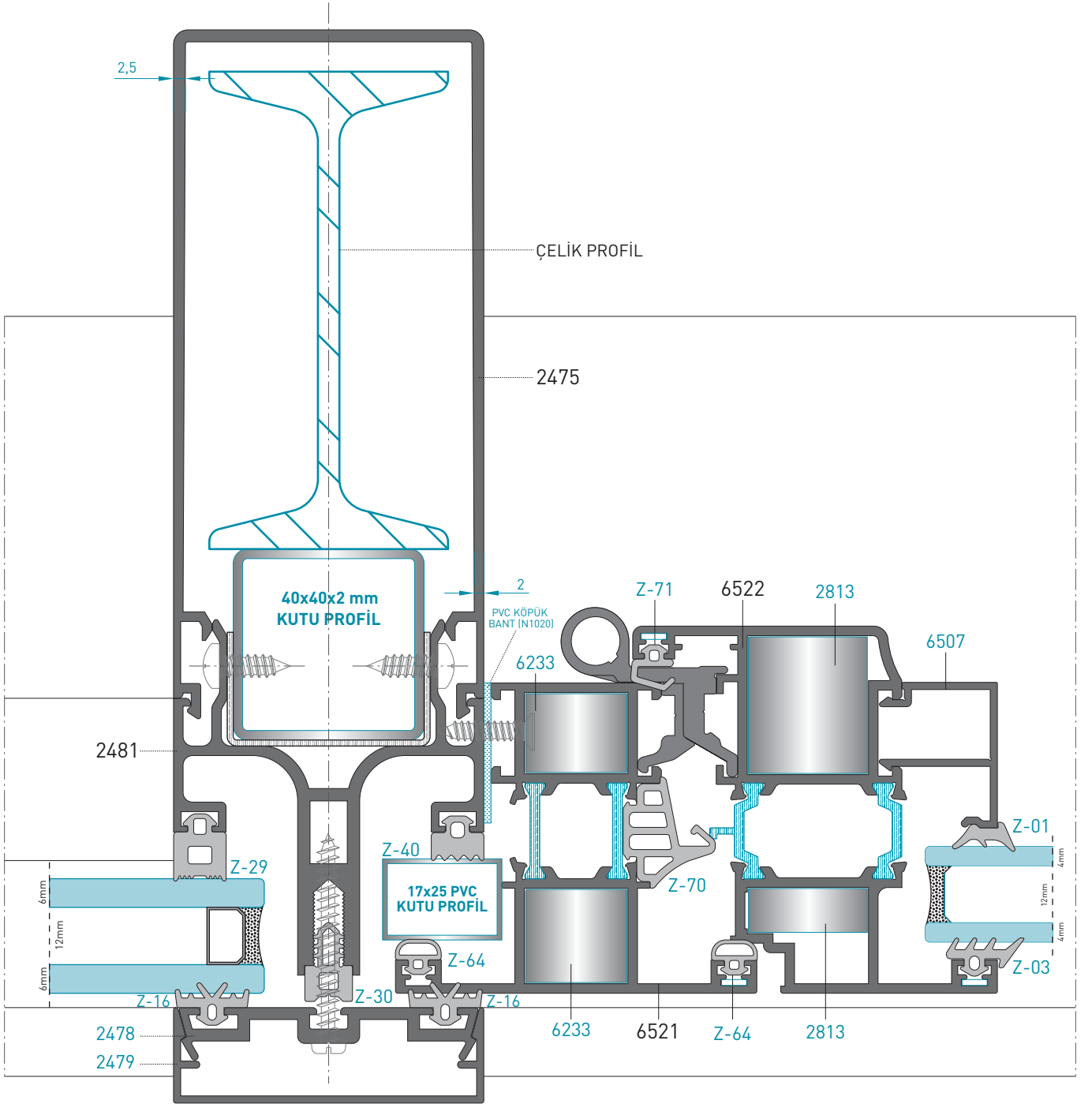
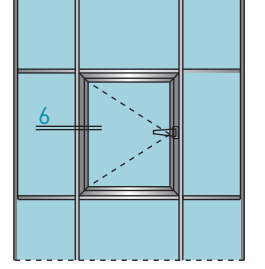


SİSTEM DETAYLARI





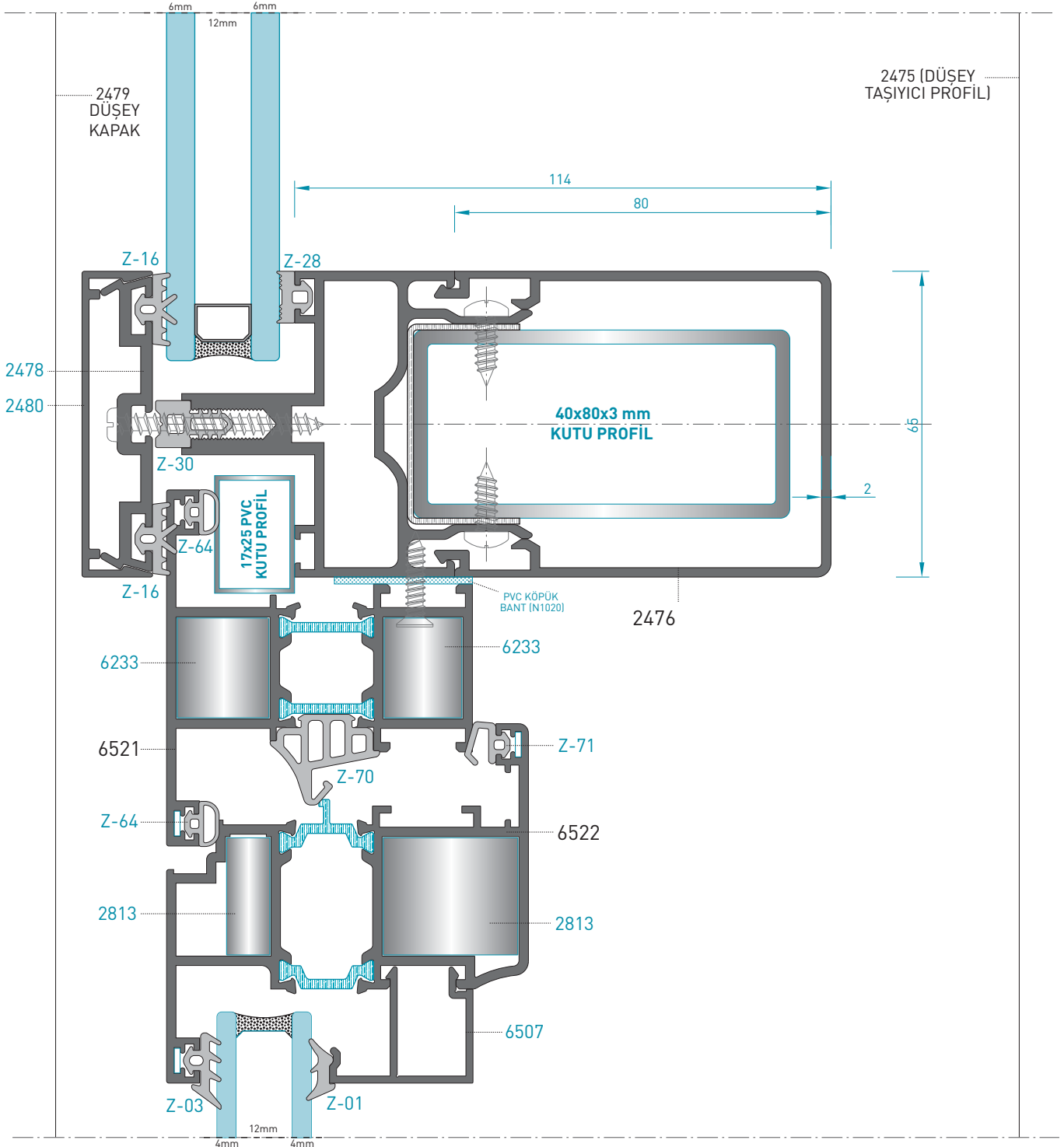
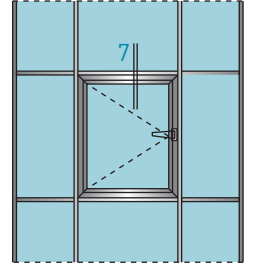
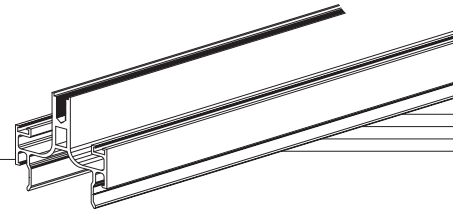




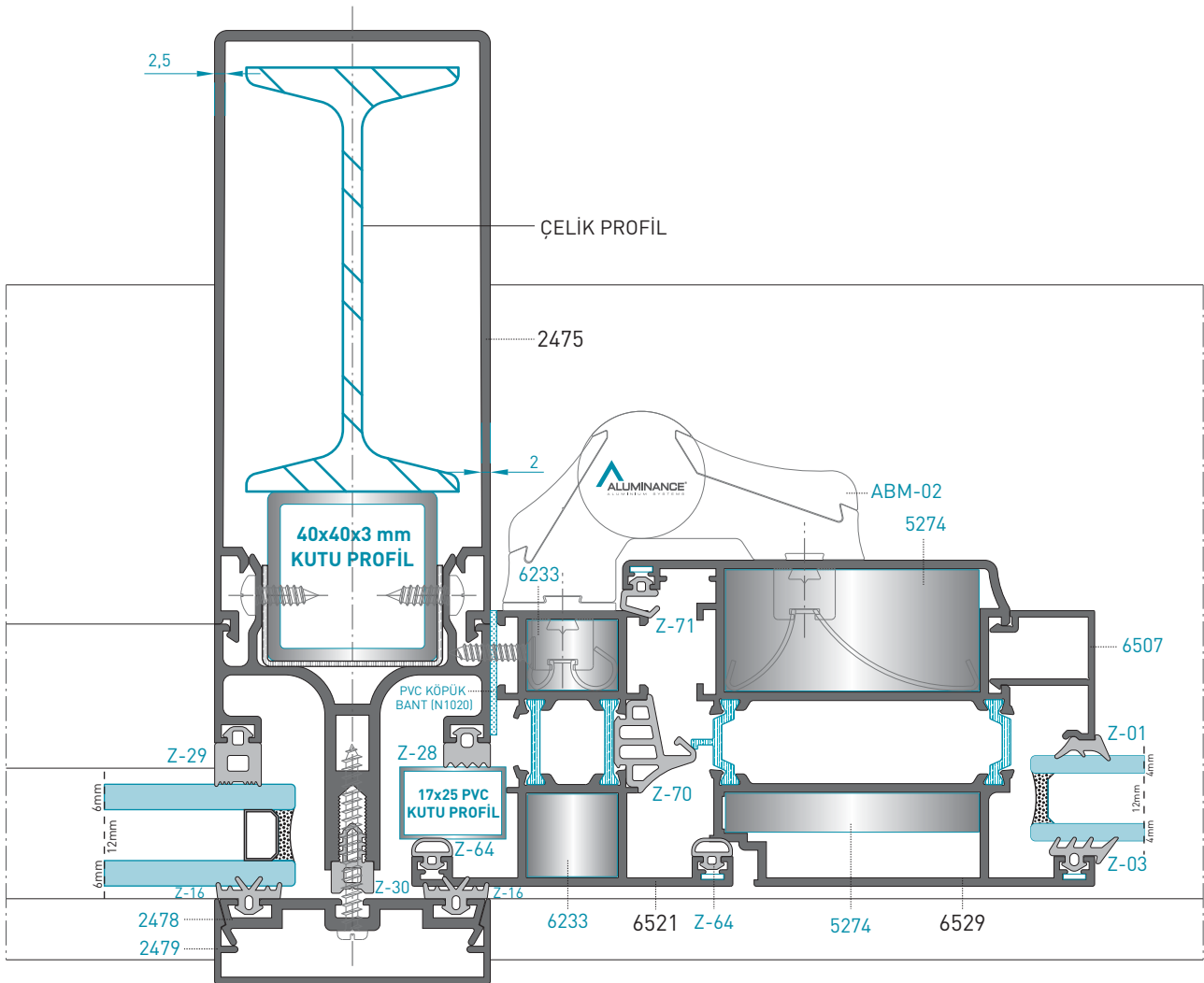
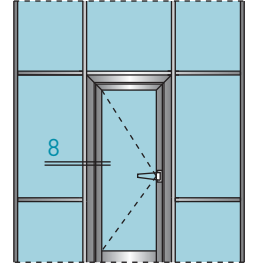
ASR 65 ÇELİK TAKVİYELİ CEPHE SİSTEMİ

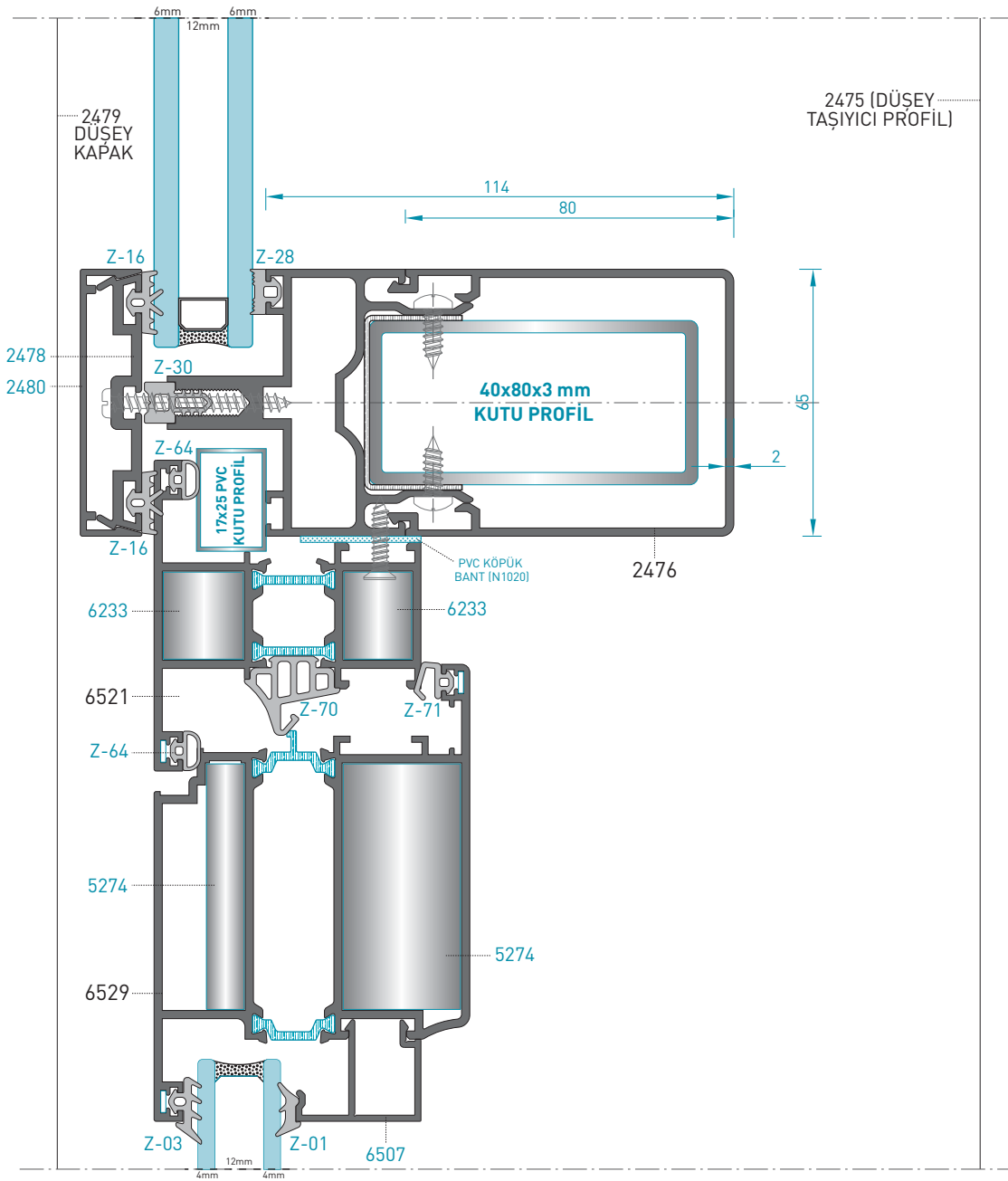
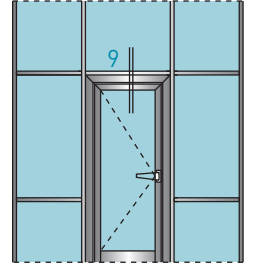
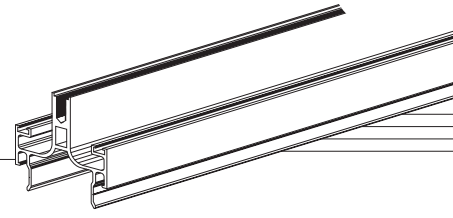
FACADE SYSTEM WITH STEEL REINFORCEMENT

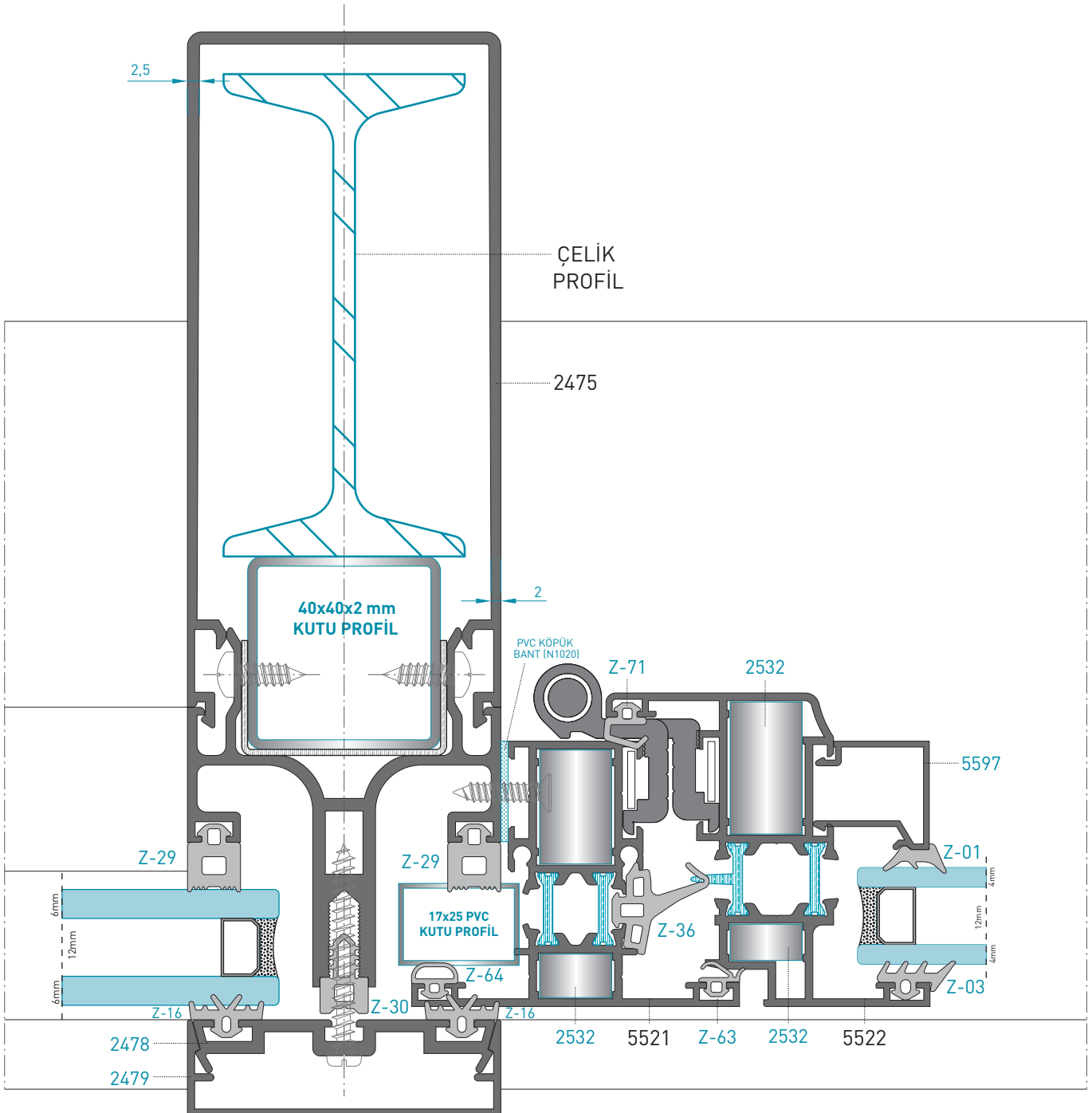
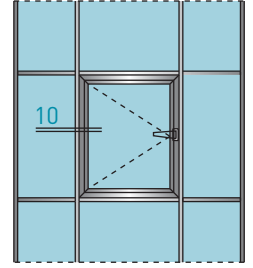
AT 6500 SİSTEM CEPHE ADAPTASYON



4/5 ORANINDA KÜÇÜLTÜLMÜŞTÜR.



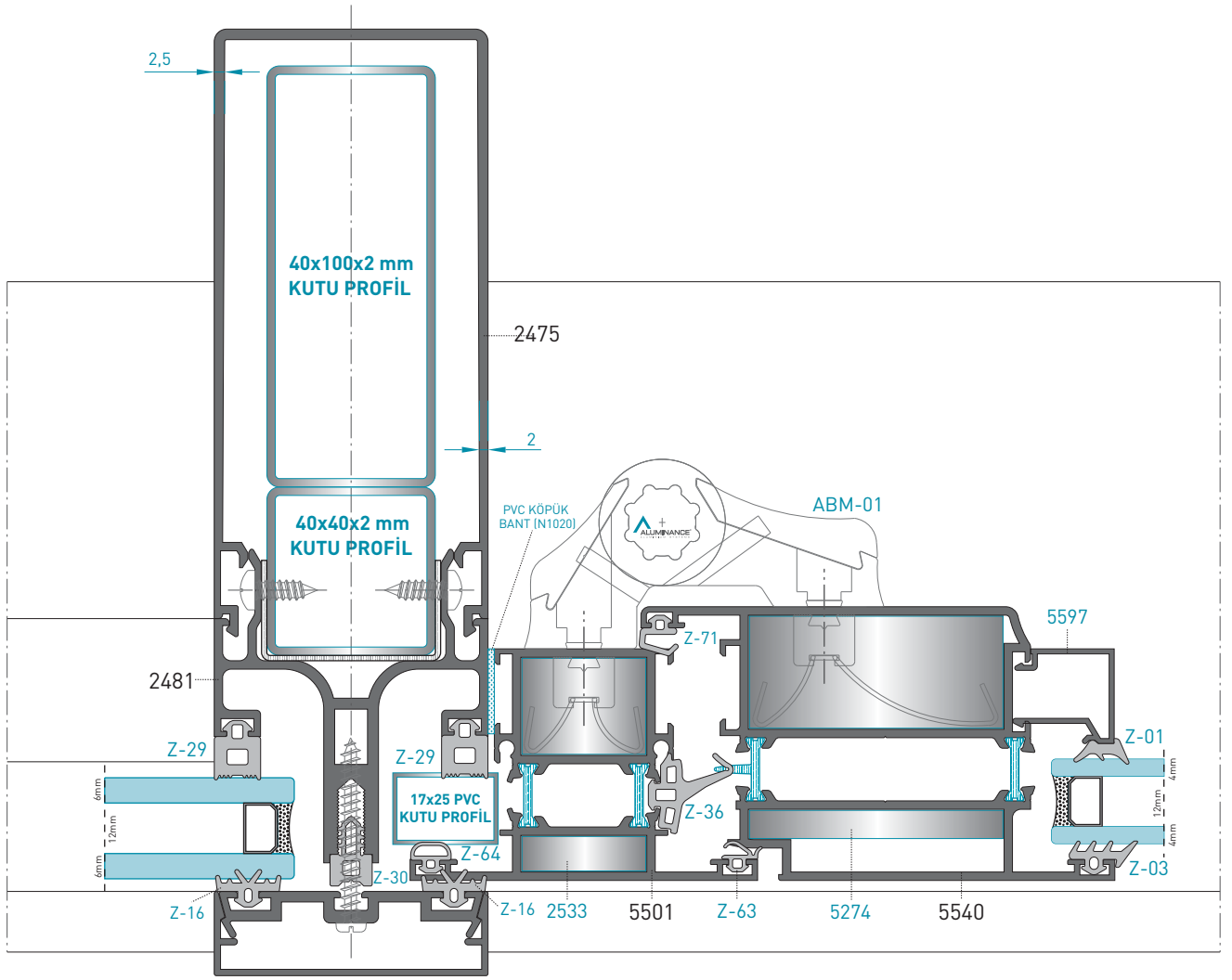
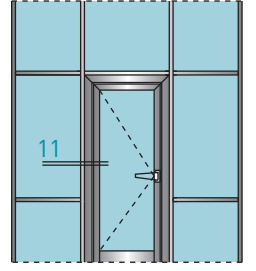
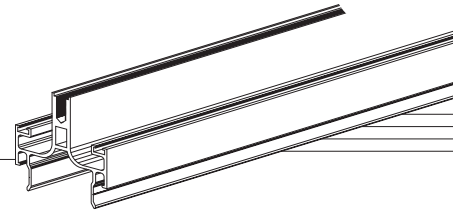




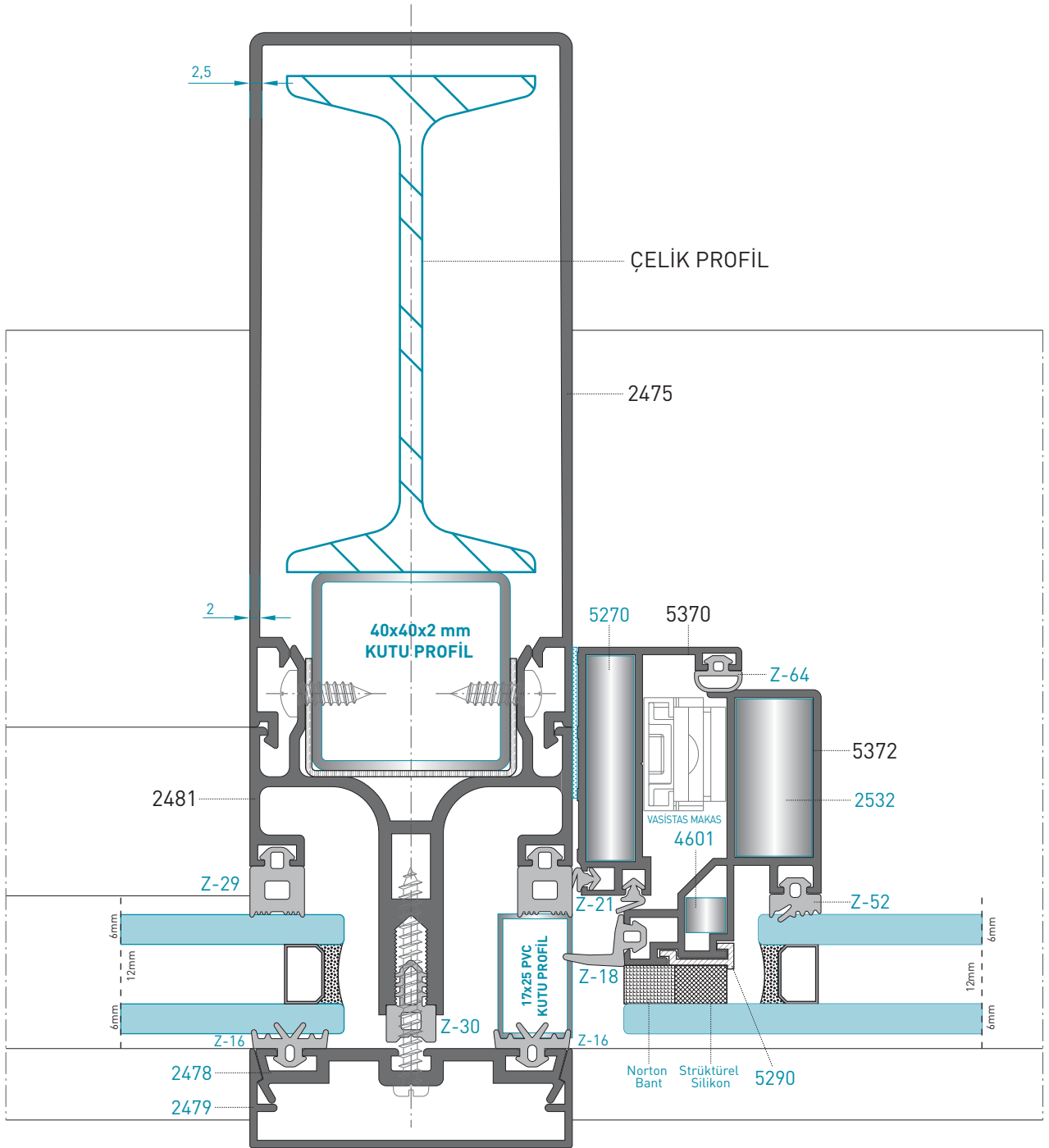
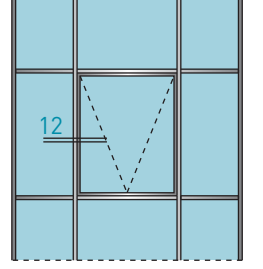
ASR 65 ÇELİK TAKVİYELİ CEPHE SİSTEMİ

FACADE SYSTEM WITH STEEL REINFORCEMENT

AT 5500 SİSTEM CEPHE ADAPTASYON



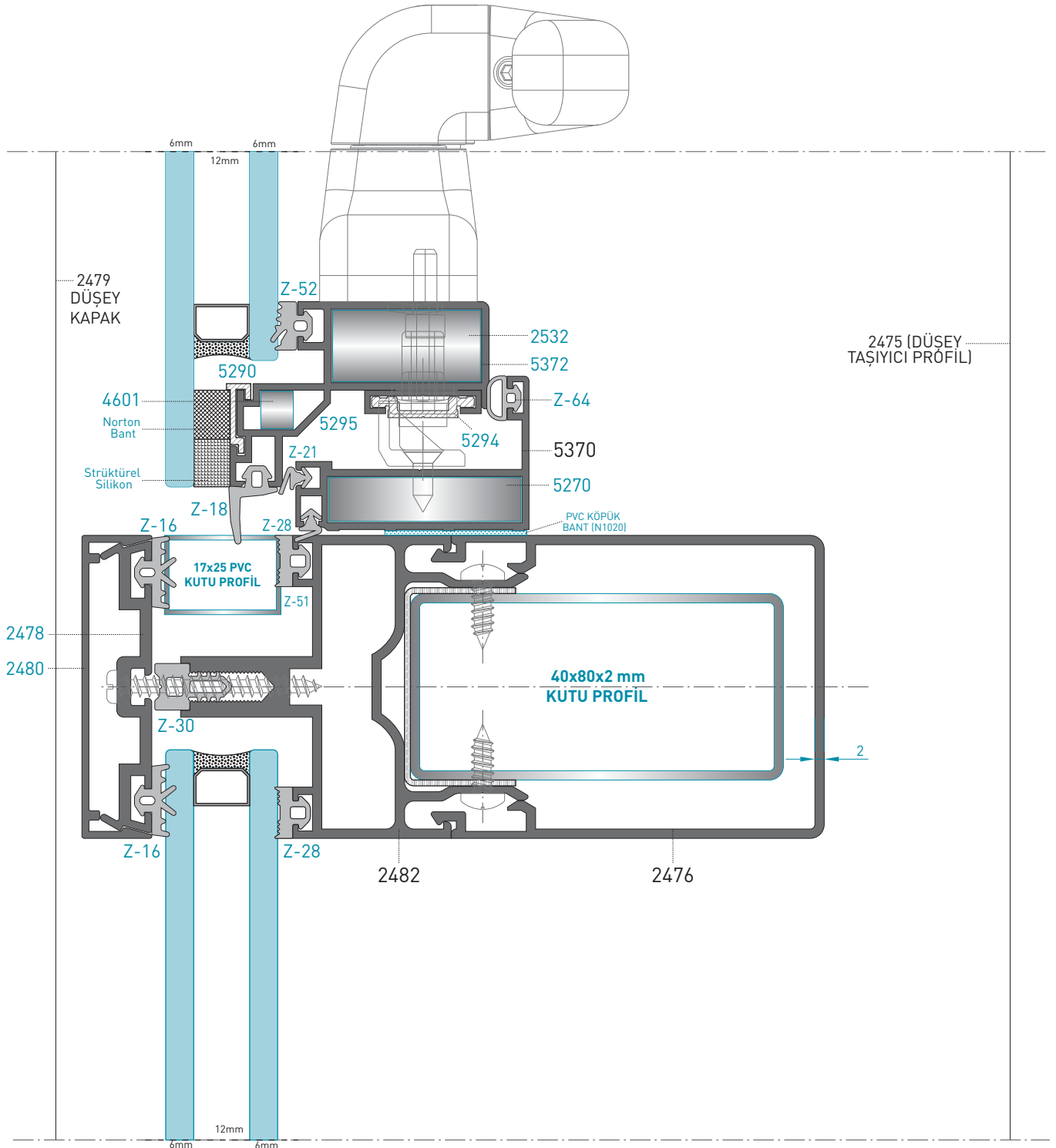
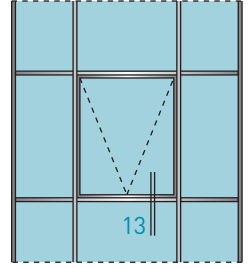
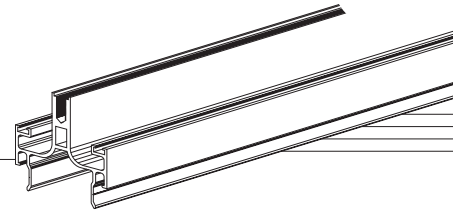
3/5 ORANINDA KÜÇÜLTÜLMÜŞTÜR.



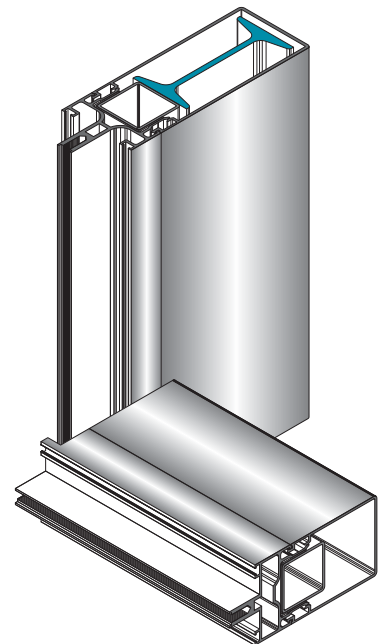
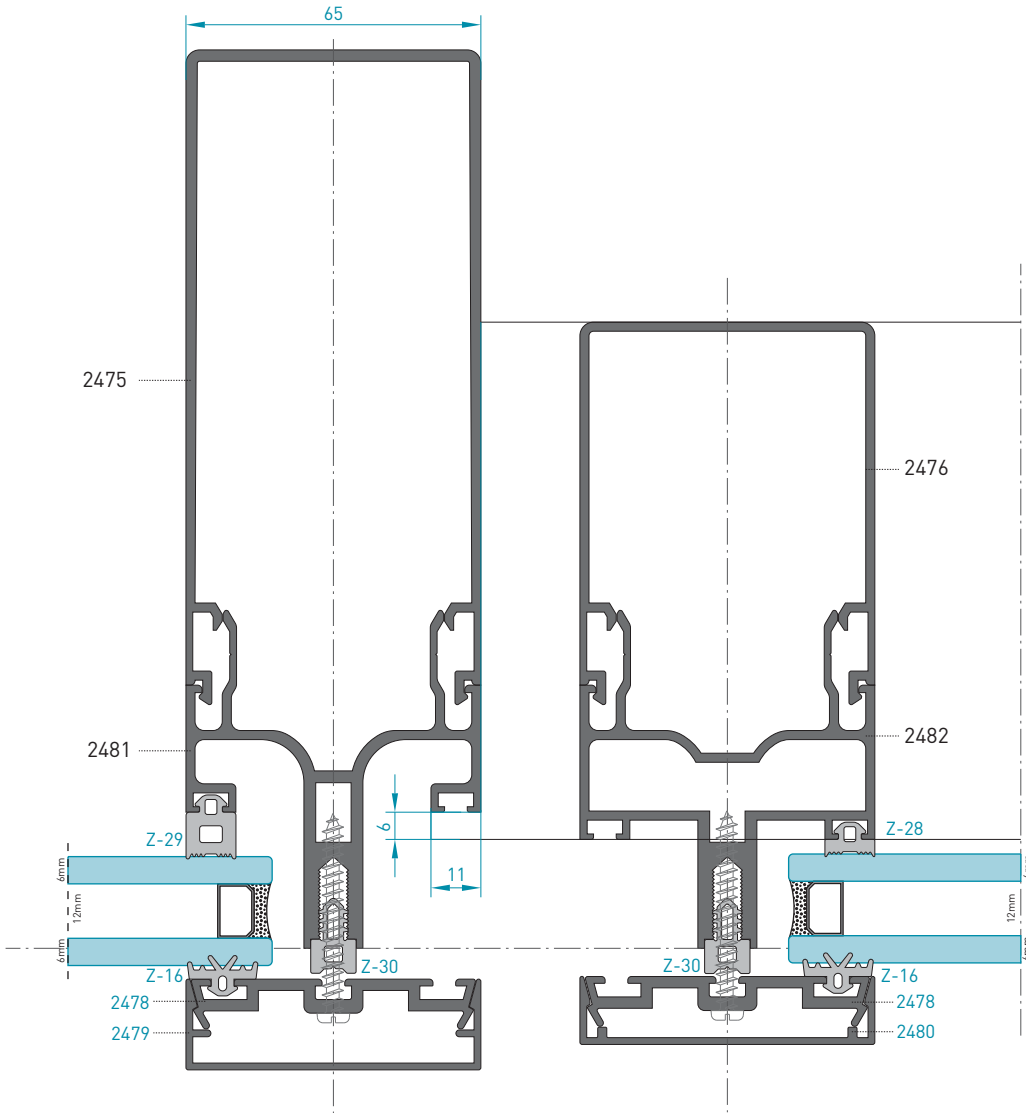
ASR 65 ÇELİK TAKVİYELİ CEPHE SİSTEMİ

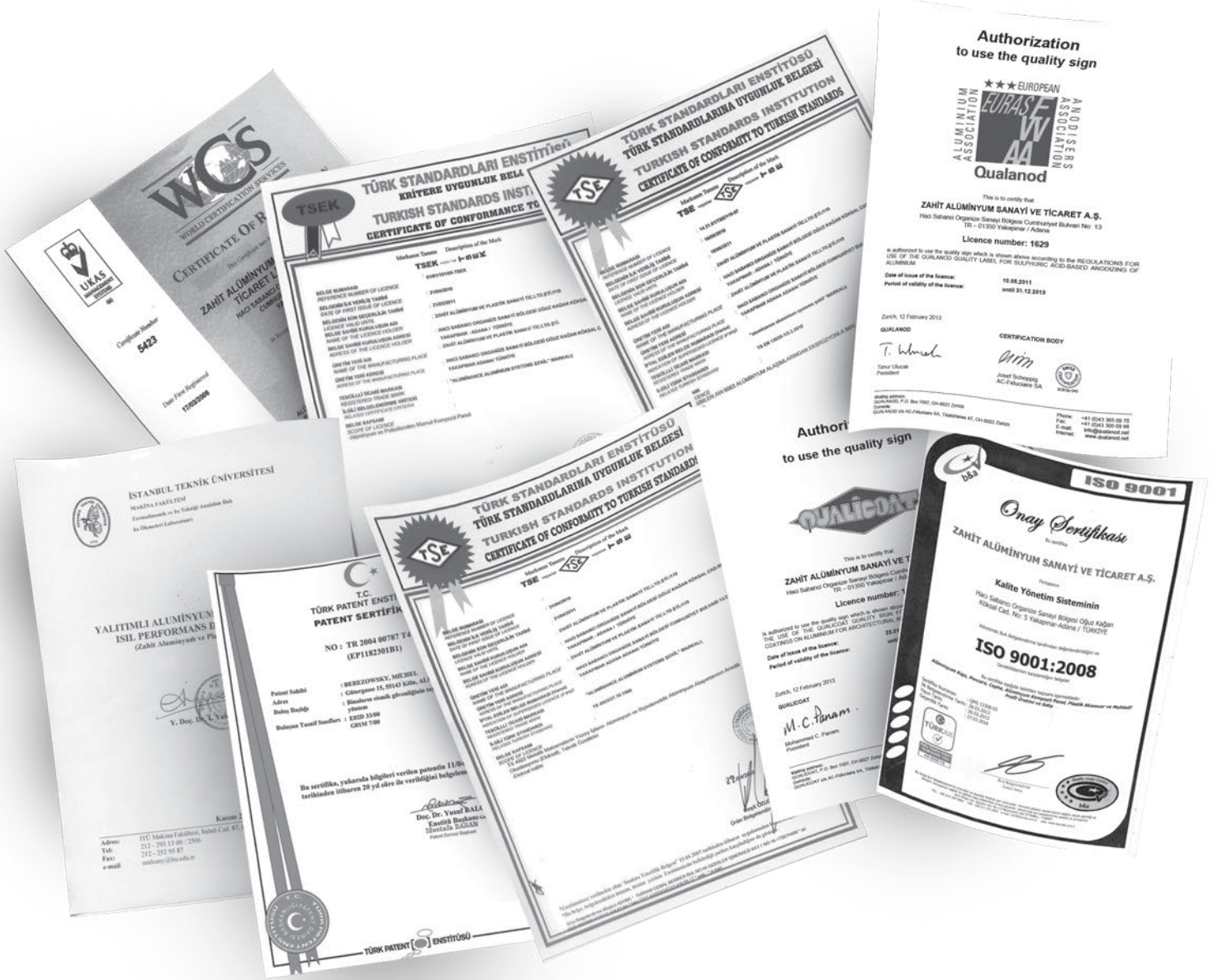
FAÇADE SYSTEM WITH STEEL REINFORCEMENT

SİSTEM DETAYLARI



4/5 ORANINDA KÜÇÜLTÜLMÜŞTÜR.





PROFİL TEMEL DEĞERLER

(min)

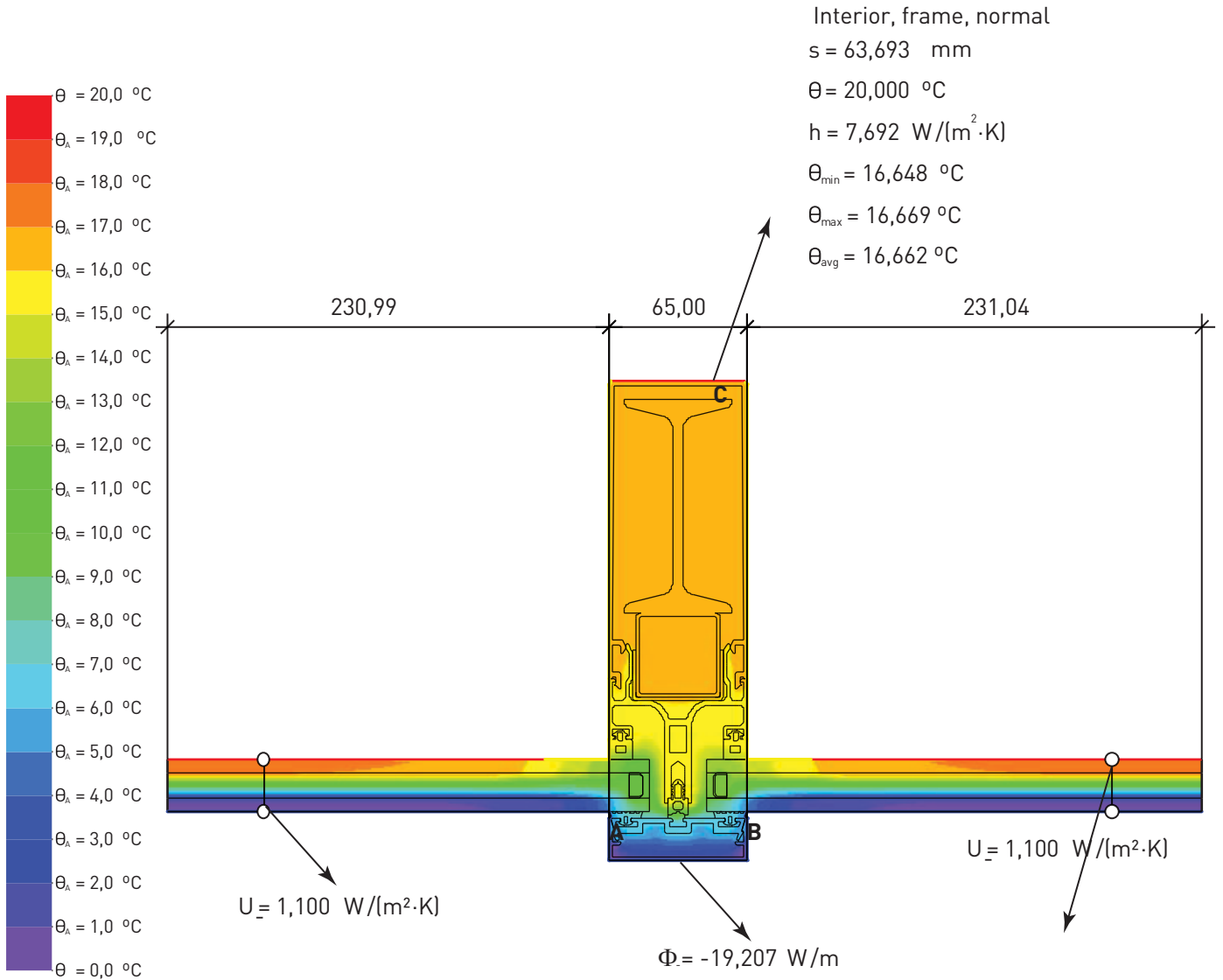
BİLLET NORM	İşlem	MEKANİK ÖZELLİKLER				FİZİKSEL ÖZELLİKLER					DİĞER ÖZELLİKLER				
		Akma Dayanımı (N/mm ²)	Çekme Dayanımı (N/mm ²)	%Uzama (50 mm) mm/mm	Sertlik (kg/mm ²)	Kesme Dayanımı (kg/mm ²)	Özgül Ağırlık (gr/cm ³)	Elastisite Modülü (kg/mm ²)	Isasal İletkenlik (cal/cmS°C)	Genleşme Katsayısı (20-100°C/°C)	Elektriksel Direnci (20°C ohm mm ² /mm)	Korozyon Direnci	Kaynak Edilebilirlik Kabiliyeti	Boya Kalınlığı (µ)	Eksoal Kalınlığı (µ)
ETINORM : ETIAL-60	T6	170	215	6	11-13 Webster	11,5	2,71	6900	0,48	23x10 ⁻⁶	0,033	Çok iyi	İyi	75-100	10-12
T.S.E : AlMgSi0.5					65-75 HB										
DIN(ALMANYA) : AlMgSi0.5															
ABD(AA) : 6063															

BASIC VALUES OF PROFILE

(minimum)

BİLLET NORM	Thermal Operation	MECHANICAL PROPERTIES					PHYSICAL PROPERTIES					OTHER PROPERTIES			
		Yield Strength (N/mm ²)	Tensile strength (N/mm ²)	Elongation% (50 mm) mm/mm	Hardness (kg/mm ²)	Cutting strength kg/mm ²	Specific gravity (gr/cm ³)	Elasticity Module (kg/mm ²)	Thermal conductivity (cal/cmS°C)	Expansion coefficient (20-100°C/°C)	Electrical strength (20°C ohm mm ² /mm)	Corrosion strength	Welding ability	Powder coating thickness (µ)	Anodising thickness (µ)
ETINORM : ETIAL-60	T6	170	215	6	11-13 Webster	11,5	2,71	6900	0,48	23x10 ⁻⁶	0,033	Very good	Good	75-100	10-12
T.S.E : AlMgSi0.5					65-75 HB										
DIN(ALMANYA) : AlMgSi0.5															
ABD(AA) : 6063															

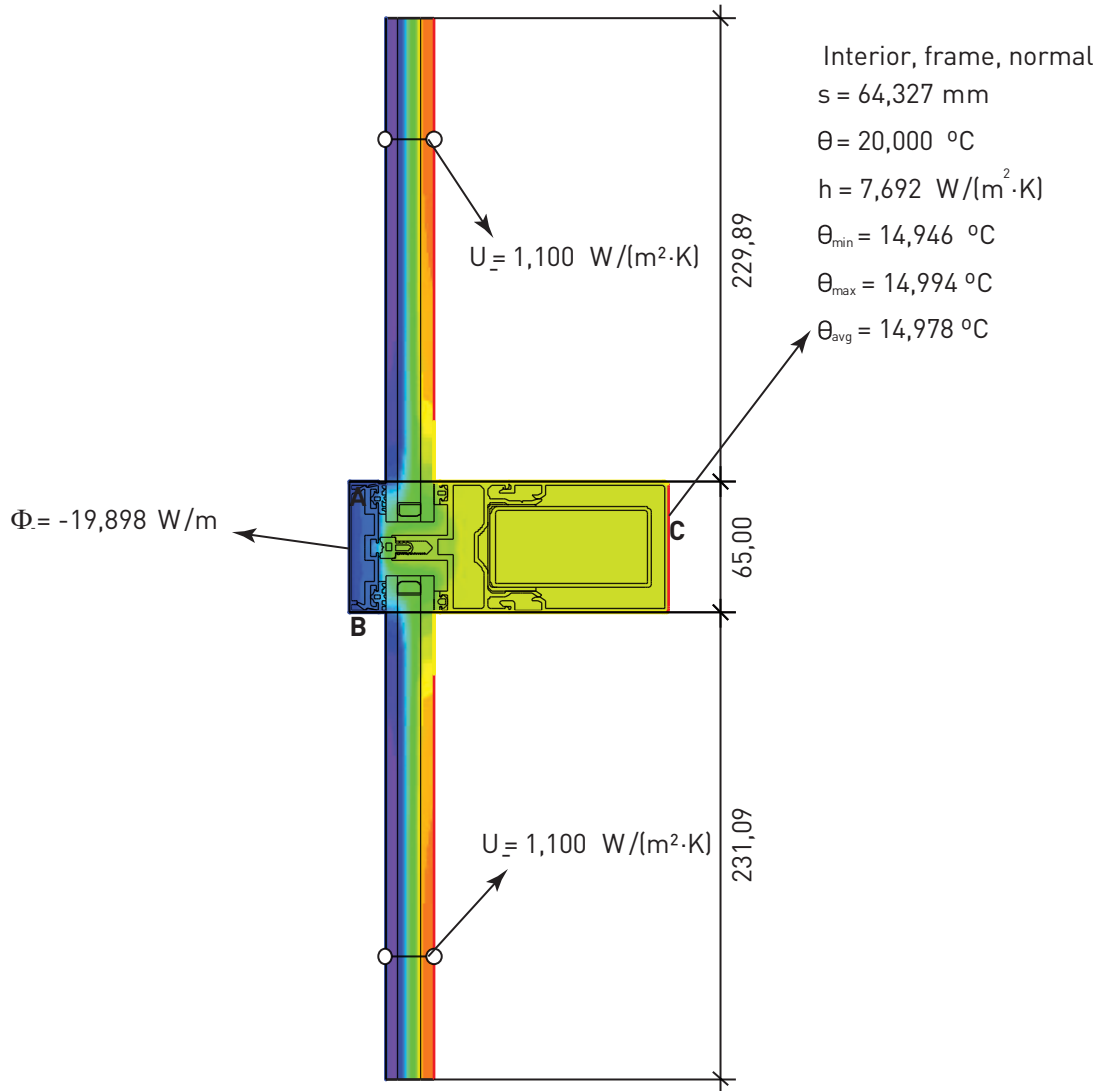
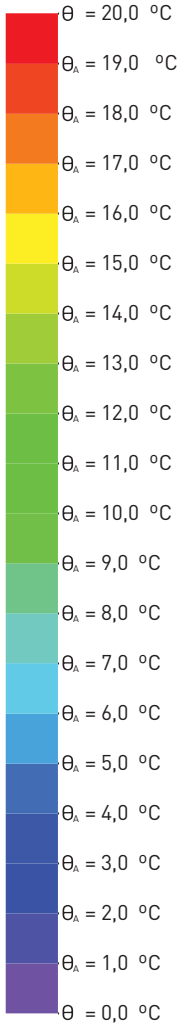
TERMAL ANALİZ SONUÇLARI



$$U_{TJA,B} = \frac{\Phi}{\Delta T} - \frac{U_{g1} \cdot b_{g1}}{b_f} - \frac{U_{g2} \cdot b_{g2}}{b_f} = \frac{19,207}{20,000} - \frac{1,100 \cdot 0,231}{0,065} - \frac{1,100 \cdot 0,231}{0,065} = 6,955 \text{ W}/(\text{m}^2 \cdot \text{K})$$

Material	λ [W/(m·K)]	Boundary Condition	q [W/m ²]	θ [°C]	R [(m ² ·K)/W] ^E
Aluminium [Si alloys]	160,000	Exterior, frame	0,000	0,040	
Aluminium [Si-Legierungen]	160,000	Interior, frame, normal	20,000	0,130	
Butyl (Isobuten), heissgeschmolzen	0,240	Interior, frame, reduced	20,000	0,200	
EPDM (ethylene propylene diene monomer)	0,250	Symmetry/Model section	0,000		
Gasfilling(1)	0,017				
Gasfilling(2)	0,017				
PVC (polyvinylchloride), rigid	0,170				
Polysulfid (1)	0,400				
Silicagel [Trockenmittel] (1)	0,130				
Soda lime glass	1,000				
Steel (1)	50,000				
Unventilated air cavity	$E_{\text{ps}}=0,9/0,9$				

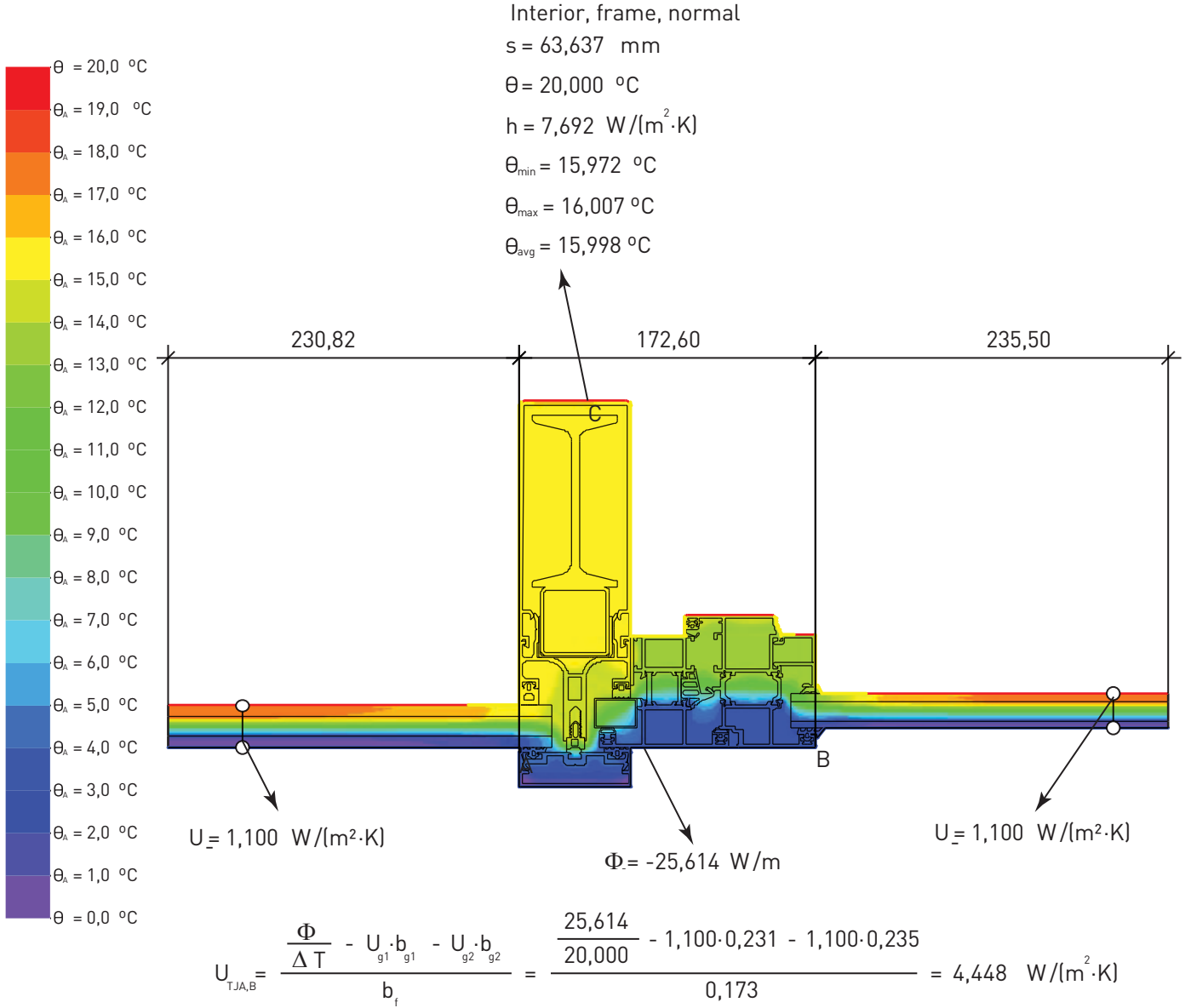
TERMAL ANALİZ SONUÇLARI



$$U_{TJA,B} = \frac{\Phi}{\Delta T} - \frac{U_{g1} \cdot b_{g1}}{b_f} - \frac{U_{g2} \cdot b_{g2}}{b_f} = \frac{19,898}{20,000} - \frac{1,100 \cdot 0,230}{0,065} - \frac{1,100 \cdot 0,231}{0,065} = 7,505 \text{ W}/(\text{m}^2 \cdot \text{K})$$

Material	λ [W/(m·K)]	Boundary Condition	q [W/m ²]	θ [°C]	R [(m ² ·K)/W] ⁶
Aluminium (Si alloys)	160,000	Exterior, frame	0,000		0,040
Aluminium (Si-Legierungen)	160,000	Interior, frame, normal	20,000		0,130
Butyl (Isobuten), heissgeschmolzen	0,240	Interior, frame, reduced	20,000		0,200
EPDM (ethylene propylene diene monomer)	0,250	Symmetry/Model section	0,000		
Gasfilling(1)	0,017				
Gasfilling(2)	0,017				
PVC (polyvinylchloride), rigid	0,170				
Polysulfid (1)	0,400				
Silicagel (Trockenmittel) (1)	0,130				
Soda lime glass	1,000				
Steel (1)	50,000				
Unventilated air cavity	Eps=0,9/0,9				

TERMAL ANALİZ SONUÇLARI



Material	λ [W/(m·K)]	Boundary Condition	q [W/m ²]	θ [°C]	R [(m ² ·K)/W] ^E
Aluminium [Si alloys]	160,000	Exterior, frame	0,000	0,040	
EPDM (ethylene propylene diene monomer)	0,250	Interior, frame, normal	20,000	0,130	
Elastomeric foam, flexible [1]	0,050	Interior, frame, reduced	20,000	0,200	
Gasfilling[1]	0,016	Symmetry/Model section	0,000		
Gasfilling[2]	0,017				
PVC (polyvinylchloride), rigid	0,170				
Polyamid 6.6 with 25% glassfibre	0,300				
Slightly ventilated air cavity	$E_{ps}=0,9/0,9$				
Soda lime glass	1,000				
Steel [1]	50,000				
Unventilated air cavity	$E_{ps}=0,9/0,9$				

www.aluminance.com

Hacı Sabancı Organize Sanayi Bölgesi Oğuz Kaan Köksal Cad. No: 5
T: +90 322 394 35 02 - 03 Pbx • F: +90 322 394 30 48

