

Sistem **Al**

A L Ü M İ N Y U M



G120

KOLAY TEMİZLENEBİLİR
GİYOTİN SİSTEM
EASYCLEAN
GUILLOTINE SYSTEM

Alüminyumun Geleceğinde İmzamız Var!
Our Signature Shapes The Future of Aluminium!



G120

KOLAY TEMİZLENEBİLİR GİYOTİN SİSTEM
EASYCLEAN GUILLOTINE SYSTEM



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

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MİMARİ SİSTEM KATALOGLARI / ARCHITECTURAL SYSTEM CATALOGUES

CEPHE & IŞIKLIK SİSTEMLERİ FACADE & SKYLIGHT SYSTEMS

F50 ENERGY YÜKSEK YALITIMLI PERFORMANS CEPHE HIGH INSULATED PERFORMANCE FACADE

F50 Energy: Kondens Sistem Kapaklı Cephe / Capped Curtain Wall System With Condensation Line
F50 Energy: Kondens Sistem Entegre Cephe / Integrated Curtain Wall System With Condensation Line
F50 Energy: Kondens Sistem Yarı Kapaklı Cephe / Semi-Capped Curtain System With Condensation Line

F50 CLASSIC YALITIMLI KLASİK CEPHE INSULATED CLASSIC FACADE

F50 Classic: Klasik Sistem Kapaklı Cephe / Classic Capped Curtain Wall System
F50 Classic: Klasik Sistem Entegre Cephe / Classic Integrated Curtain Wall System
F50 Classic: Klasik Sistem Yarı Kapaklı Cephe / Classic Semi-Capped Curtain Wall System
F50 Classic: Klasik Sistem Kasetli Silikon Cephe / Classic Silicone Curtain Wall System With Structural Cells

ÇELİK TAKVİYELİ CEPHE & IŞIKLIK SİSTEMLERİ / STEEL REINFORCED & SKYLIGHT SYSTEMS

ÇT68: Çelik Takviyeli Cephe / Steel Reinforced Curtain Wall
ÇT94: Çelik Takviyeli Cephe / Steel Reinforced Curtain Wall
SKY50: Işıklık Sistemi / Skylight System
SKY78: Işıklık Sistemi (Çelik Takviyeli) / Skylight System (Steel Reinforced)

KAPI & PENCERE SİSTEMLERİ DOOR & WINDOW SYSTEMS

W55 YALITIMLI&Y.SIZ PENCERE & KAPI / W55 INSULATED&UNINSULATED WINDOW & DOOR

W1-W55-1,6T: Yalıtımlı P. ve K. / Insulated W. and D. / W2-W55-1,6: Y.sız P. ve K. / Uninslated W. and D.
W3-W55-2T: Yalıtımlı P. ve K. / Insulated W. and D. / W4-W55-2: Y.sız P. ve K. / Uninsulated W. and D.

W65 YALITIMLI PENCERE & KAPI / W65 INSULATED WINDOW & DOOR

W5-W65-1,6T: Yalıtımlı Pencere ve Kapi / Insulated Window and Door
W6-W65-2T: Yalıtımlı Pencere ve Kapi / Insulated Window and Door

W75 YALITIMLI PENCERE & KAPI / W75 INSULATED WINDOW & DOOR

W7-W75-1,6T: Yalıtımlı Pencere ve Kapi / Insulated Window and Door
W8-W75-2T: Yalıtımlı Pencere ve Kapi / Insulated Window and Door

WH70 YALITIMLI PENCERE & KAPI / WH70 INSULATED WINDOW & DOOR

WH 70: Yalıtımlı Pencere ve Kapi Sistemi / Insulated Window and Door System

WH85 YALITIMLI PENCERE & KAPI / WH85 INSULATED WINDOW & DOOR

WH 85: Yüksek Yalıtımlı Pencere ve Kapi Sistemi / High Insulated Window and Door System

BF85 KATLANIR KAPI SİSTEMİ / BF85 BI-FOLDING DOOR SYSTEM

BF 85: Isı Yalıtımlı Katlanır Kapi Sistemi / BF 85: Insulated Folding Door System

SÜRME SİSTEMLER SLIDING SYSTEMS

S45 YALITIMLI & YALITIMSIZ SÜRME / S45 INSULATED & UNINSULATED SLIDING

S1-S45-T: Yalıtımlı Sürme Kapi (Kaldır&Sür ve Klasik) / Insulated Sliding Door (Lift&Slide and Classic)
S2-S45: Yalıtımsız Sürme Kapi (Kaldır&Sür ve Klasik) / Uninsulated Sliding Door (Lift&Slide and Classic)

S65 YALITIMLI SÜRME / S65 INSULATED SLIDING

S3-S65-T: Yalıtımlı Sürme Kapi (Kaldır&Sür) / Insulated Sliding Door (Lift&Slide)

S32 YALITIMLI & YALITIMSIZ SÜRME / S32 INSULATED & UNINSULATED SLIDING

S5-S32-T: Yalıtımlı & Yalıtımsız Klasik Hafif Sürme Kapi / Insulated & Uninsulated Classic Light Sliding Door

S80 YALITIMLI SÜRME / S80 INSULATED SLIDING

S80-Teona: Yüksek Yalıtımlı Performans Sürme Kapi / High Insulated Performace Sliding Door (ECOSLIDE)

M150 MİNİMAL SÜRME SİSTEMİ / M150 MINIMAL SLIDING SYSTEM

M150 Minimal Sürme Sistemi / M150 Minimal Sliding System

OFİS BÖLME SİSTEMLERİ OFFICE PARTITION SYSTEMS

YALITIMSIZ SİSTEMLER / UNINSULATED SYSTEMS

OB1-120: Struktürel Ofis Bölme Sistemi / Structural Office Partition System
OB2-105: Çeçeveli Ofis Bölme Sistemi / Framed Office Partition System
OB3-83: Kapaklı Ofis Bölme Sistemi / Capped Office Partition System
OB4-45: Cam Cama Ofis Bölme Sistemi / Glass Office Partition System

CEPHE KAPLAMA FACADE CLADDING

Kompozit Panel Taşıyıcı Sistemi / Composite Panel Carriage System
Terracotta Cephe Kaplama Sistemi / Terracotta Facade Cladding System
Seramik Cephe Kaplama Sistemi / Ceramic Facade Cladding System

TAMAMLAYICI MİMARİ SİSTEMLER COMPLEMENTARY ARCHITECTURAL SYSTEMS

YALITIMSIZ SİSTEMLER / UNINSULATED SYSTEMS

G120 Giyotin Sistem / G120 Guillotine System
Isı Camlı Cam Balkon Sistemi / Double Glazing Balcony System
Kare Küpeşte ve Korkuluk Sistemleri / Square Railing and Balustrade Systems
Menfez Sistemleri / Louver Systems
Pervazlı Kapi Sistemleri / Door Sill Systems
Güneş Kırıcı Sistem / Sunbreaker System
C60 Yalıtımsız Doğrama Sistemleri / C60 Uninsulated Hinged Systems

BU KATALOGDA BULUNAN MARKA VE ÜRÜNLER, SİSTEM ALUMİNYUM SAN.VE TİC.A.Ş. BÜNYESİNDE OLUŞTURULMUŞ FİKİR ESERLERİ OLUP, TÜRK PATENT ENSTİTÜSÜ TARAFINDAN TESCİLLENMİŞTİR. HIÇ BİR SURETLE İZİNSİZ ÜRETİLEMEZ, ÇOĞALTILAMAZ. AKSİ DURUMLARDA KANUNİ İŞLEM YAPILIR.
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30 yıllık deneyimi ve yenilikçi vizyonu ile alanına liderlik eden Sistem Alüminyum, Tekirdağ Ergene’de 120 bin metrekare-si kapalı olmak üzere toplam 330 bin metrekarelik alana kurulu tesislerinde üretim faaliyetlerini sürdürmektedir. Kalıp üretiminden başlayarak dökümhane - alüminyum billet, ekstrüzyon hatları, elektrostatik toz boya ve eloksal tesisleri, ahşap kaplama bölümü, mekanik işlem tesisi ve kompozit panel üretim hatlarını bünyesinde barındıran üretim üssü, tam entegre yapısıyla öne çıkmaktadır.

Sistem Alüminyum, mimari ve endüstriyel uygulamalarda kullanılan alüminyum ekstrüzyon profiller ve cephe sistemleri için alüminyum kompozit paneller olmak üzere iki ana ürün grubunda üretim yapmaktadır. Bunlara ek olarak, 2021 yılı itibarıyla Dövme (forging) Alüminyum Tesisi’ni de faaliyete geçirmiştir.

İhracat satış rakamları ile İDDMİB tarafından düzenlenen “İhracatın Metalik Yıldızları” ödül törenlerinde, “Alüminyum Çubuk ve Profiller” kategorisinde 2018, 2019, 2020, 2022 ve 2024 yıllarında birincilik, 2021 ve 2023 yılında ise ikincilik ödülüne layık görülmüştür. Bugün 4 kıtada, 75’ten fazla ülkeye ihracat gerçekleştirmektedir. İstanbul Sanayi Odası tarafından hazırlanan 'Türkiye’nin En Büyük 500 Sanayi Kuruluşu' listesinde Sistem Alüminyum, 2024 yılında 313’üncü sırada yer aldı.

Sistem Alüminyum, yıllık 103 bin ton alüminyum profil üretim kapasitesine sahip tesislerinde; yapı, havacılık, denizcilik, otomotiv, beyaz eşya, elektrik ve enerji gibi birçok sektör için ürün ve hizmet geliştirmektedir.

CE, TSE, QUALICOAT (statik toz boya uygulamaları) ve QUALANOD (eloksal uygulamaları) belgelerine sahip olan Sistem Alüminyum, 2024 yılında devlet destekli Turquality Marka Destek Programı’na dahil olmuştur.

Ayrıca aşağıdaki yönetim sistemleri belgelerine sahiptir:

- IATF 16949 Otomotiv Kalite Yönetim Sistemi
- AS 9100 Havacılık, Savunma ve Uzay Kalite Yönetim Sistemi
- ISO 9001 Kalite Yönetim Sistemi
- ISO 14001 Çevre Yönetim Sistemi
- ISO 45001 İş Sağlığı ve Güvenliği Yönetim Sistemi
- ISO 50001 Enerji Yönetim Sistemi
- ISO/IEC 27001 Bilgi Güvenliği Yönetim Sistemi

Sistem Alüminyum, CE, UKCA ve TSE belgeleriyle ürün kalitesini güvence altına almaktadır. Ek olarak, üretim süreçlerinde yer alan ve ağır metal içerebilen kimyasalların, yalnızca yasal sınırlar dahilinde ve REACH ile RoHS kısıtlamalarına uygun şekilde kullanıldığını, doğaya saygılı üretim anlayışını benimsediğini taahhüt etmektedir. Müşteri taleplerine istinaden, statik toz boya uygulamaları için QUALICOAT, eloksal uygulamaları için ise QUALANOD belgelerini sunmaktadır.

Yetkilendirilmiş Yükümlü Statüsü (YYS) belgesi ile Sistem Alüminyum, dış ticarete güvenilirlik ve uygunluk esaslarına göre ihracat yapmaktadır.



With 30 years of experience and an innovative vision, Sistem Alüminyum leads its sector from its production facilities located in Ergene, Tekirdağ, spanning a total area of 330,000 square meters, including 120,000 square meters of indoor space. As a fully integrated manufacturing hub, it houses all key operations from die production to aluminum billet casting, extrusion lines, electrostatic powder coating and anodizing facilities, wood effect coating, mechanical processing plant, and aluminum composite panel production lines.

Sistem Alüminyum operates under two main product groups: aluminum extrusion profiles for architectural and industrial applications, and aluminum composite panels for façade systems. Additionally, as of 2021, the company launched its Forging Aluminum Facility.

Recognized for its export achievements, Sistem Alüminyum received first place awards in the “Aluminum Bars and Profiles” category at the “Metallic Stars of Export” ceremonies organized by IDDMIB in 2018, 2019, 2020, 2022, and 2024, and secured second place in 2021, 2023. Today, the company exports to over 75 countries across 4 continents. Ranked 313th in the 'Top 500 Industrial Enterprises of Turkey 2024' list by the Istanbul Chamber of Industry, Sistem Alüminyum has an annual production capacity of 103,000 tons of aluminum profiles, serving industries such as construction, aerospace, marine, automotive, white goods, electrical, and energy.

Sistem Alüminyum holds CE, TSE, QUALICOAT (for powder coating), and QUALANOD (for anodizing) certifications and was included in the state-supported Turquality Brand Support Program in 2024.

The company also holds the following management system certifications:

- IATF 16949 Automotive Quality Management System
- AS 9100 Aerospace, Defense and Space Quality Management System
- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- ISO 45001 Occupational Health and Safety Management System
- ISO 50001 Energy Management System
- ISO/IEC 27001 Information Security Management System

Sistem Alüminyum ensures product quality through CE, UKCA, and TSE certifications. Furthermore, the company commits to environmentally responsible production by ensuring that chemicals potentially containing heavy metals are used only within legal limits and in compliance with REACH and RoHS regulations. Upon customer request, QUALICOAT certificates for powder coating and QUALANOD certificates for anodizing applications are provided.

With its Authorized Economic Operator (AEO) status, Sistem Alüminyum conducts its foreign trade operations in accordance with reliability and compliance principles.



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MALZEME TEKNİK ÖZELLİKLERİ / TECHNICAL PROPERTIES OF MATERIALS

Alüminyum profil üretim tesisimiz ISO 9001 , ISO 14001 , OHSAS 18001 ve ISO/IEC 27001 kalite güvence belgelerine sahiptir.

1-Profil Hammaddesi (Raw Material) : AA 6063 (AlMgSi 0.5 F22) , EN 573-3

2-Mekanik Özellikler (Mechanical Properties) : EN 755-2

Yoğunluk (Density) : 2.71 g/cm³

Elastisite Modülü (Elasticity Modul) : 7000 kN/cm²

Kopma Mukavemeti (Yield Strenght) : 215 N/mm²

Akma Mukavemeti (Flow Strenght) : 160 N/mm²

Uzama (Elongation) : minimum 6 %

Sertlik (Hardness) : 70 HRB

3-Bariyer Hammaddesi

a-PA 66 GF 25 (25 % cam elyaf takviyeli polyamid) (25 % the manufactured from glass stiffened polyamid):

Eloksal ve toz boya işleminden önce yerleştirilir. (Placed into the aluminium profiles **before** anodic oxidation and powder coating.)

b- PVC :

Eloksal ve toz boya işleminden sonra yerleştirilir. (Placed into the aluminium profiles **after** anodic oxidation and powder coating.)

PVC bariyerler, Polyamid bariyerlere göre 10 % daha ağırdır. (PVC insulation bars are 10 % heavier than Polyamid insulation bars .)

4-Eloksal (Anodic Oxidation)

Eloksallı Ürünlere İlişkin Teknik Resim Standardı : DIN 17611 , EN 12371-1 (QUALANOD)

(The Standarts of Technical Delivery Terms Regarding Eloxal Products)

Eloksal Tabakasının Kalınlığı (Thickness of Eloxal Coating): 10-15 mikron, EN ISO 2360

Daldırma ve Renklendirme Standardı (The Standarts of Immersion Coloring) : DIN 50018

Tesbit İşlemi Standardı (Sealing Standarts) : EN 12373-5 , ISO 3210 (TS 2676)

5-Toz Boya Standartları (The Standarts of Powder Coating)

Kalınlık (Thickness) : min. 60 mikron

Adhezyon (Adhesion) : EN ISO 2409

Esneklik (Elasticity) : EN ISO 1519

Deformasyon (Deformation) : EN ISO 6272-1

Sertlik (Hardness) : EN ISO 2815

6-Yüzey Görünümü (Surface Appearance) : Gözle yapılacak kontrolde,yüzey üzerinde kaplanmış alan,çizik,pütürlük,kabarıklık,leke,soyulma vb. hatalar görülmemelidir. (By visual observation,there has been no defects seen on the surface,such as stratches cramped shapes,swellings,stain etc. on the exposed areas.)

7-Tüm Fitiller (All gaskets)

Hammadde (Raw material) : EPDM

Derz fitilleri hammaddesi (Raw material of Gaskets for suture) : Silikon (Silicone)

Ölçü Toleransları Standardı (Measurement Tolerances Standarts) : DIN ISO 3302-1/E2

Kalite Kontrol Standardı (Quality Control Standart) : RAL-GZ 716

8-Profil Tasarım ve Üretimindeki Ölçü Toleransları Standartları : EN 12020-2

(Measurement Tolerances Standarts for Profile Design and Manufacturing)

İÇ MEKANDAN TEMİZLENEBİLİR PERFORMANSLI GİYOTİN SİSTEM
CLEANABLE FROM INTERIOR PERFORMANCE GUILLOTINE SYSTEM**TEKNİK ÖZELLİKLER**

TECHNICAL PROPERTIES

KASA DERİNLİĞİ / FRAME DEPTH :	119,1 mm
KANAT DERİNLİĞİ / SASH DEPTH :	30 mm
PROFİL ET KALINLIĞI / PROFILE WALL THICKNESS :	1,5 - 2 mm
MAX. CAM KALINLIĞI / MAX. GLASS THICKNESS :	20 mm

KULLANIM SEÇENEKLERİ

APPLICATION ALTERNATIVES

	KONUT HOUSE	İŞYERİ, HASTANE VB. WORKPLACE, HOSPITAL ETC.
ÜÇ KANATLI GİYOTİN / TRIPLE SASH GUILLOTINE :	●	●
DÖRT KANATLI GİYOTİN / QUADRUPLE SASH GUILLOTINE :	●	●

STATİK HESAPLAMA YÖNTEMİ / STATIC CALCULATION METHOD

STATİK HESAPLARDA KULLANILAN STANDARTLAR (STANDARDS USING WITH STATIC CALCULATIONS):

TS 498 (DIN 1055) , TS EN 13830

STATİK HESAPLARDA KULLANILAN YÜKLER (LOADS USING WITH STATIC CALCULATIONS):

1-Yatay Rüzgar Yükleri (Horizontal Wind Load)

2-Düşey Cam Yükleri (Vertical Glass Load)

3-Kar Yükleri (Snow Load)

Rüzgar Yükleri (Wind Load) :

Statik hesaba başlamadan önce rüzgar şekil katsayısı tayin edilerek binanın yüksekliğine göre aşağıdaki tablodan seçilen rüzgar yükü referans değer olarak alınır. (Before the static calculation, first determine the shape coefficient of wind and then according to the height of the building select the wind load value from the table below.)

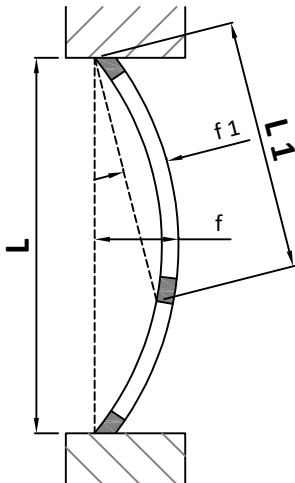
Rüzgar şekil katsayısı (Shape coefficient of wind) :

Binanın boyu (height of building) / binanın en dar eni (minimum width of building) < 5 : **c = 1.2**

Binanın boyu (height of building) / binanın en dar eni (minimum width of building) > 5 : **c = 1.6**

RÜZGAR ŞEKİL KATSAYISI SHAPE COEFFICIENT OF WIND	ZEMİNDEN YÜKSEKLİK (m) GROUND ELEVATION	RÜZGAR HIZI (m/s) WIND SPEED	HIZ BASINCI (kg/m ²) ABSORPTION	RÜZGAR YÜKÜ (kg/m ²) WIND LOAD
1.2	0 - 8	28	50	60
	9 - 20	36	80	96
	21 - 100	42	110	132
	> 100	46	130	156
1.6	0 - 8	28	50	80
	9 - 20	36	80	128
	21 - 100	42	110	176
	> 100	46	130	208

STATİK HESAPLARDA SEHİM KABULÜ (DEFLECTION ACCEPTANCE OF STATIC CALCULATIONS):



Tek camlarda (at single glass);

MESNET AÇIKLIĞI SUPPORT CLEARNESS	AZAMİ SEHİM MAXIMUM DEFLECTION
L < 3m	f = L / 200
L > 3m	f = L / 300

Çift camlarda (at double glass);

ARA KAYIT YOKSA ; (IF IT HAS NO TRANSOM)	
L ≤ 3m	f = max. 0,8cm
L < 2m	f = L / 200
ARA KAYIT VARSA ; (IF IT HAS TRANSOM)	
a) Camların boyları L1 ; (If the glass height L1)	
L1 ≤ 2,4m	f1 ≤ L1 / 300
L1 > 2,4m	f1 ≤ 0,8cm
b) Profillerin boyları L ; (If the profile length L)	
L ≤ 3m	f1 ≤ L / 200
L > 2m	f1 ≤ L / 300

KISALTMALARIN ANLAMLARI

EXPLANATIONS OF ABBREVIATIONS

W: Rüzgar yükü (Wind load)

c: Rüzgar şekil katsayısı (Wind shape c.)

q: Emme hız basıncı (Speed pressure)

V: Rüzgar hızı (Wind speed)

L: Düşey açıklık (Vertical clearance)

E: Elastisite modülü (Elasticity modulus)

f: Maksimum sehım (Max. deflection)

RÜZGAR YÜKÜNE BAĞLI KULLANIM LİMİTLERİ DİYAGRAMLARI

USAGE LIMITS DIAGRAMS ACCORDING TO THE WIND LOAD & SPEED

Diyagram Hakkında Bilgi (Information About The Diagram) :

Tabloda verilen eğriler; takviyeli ya da takviyesiz olan kenet profillerinin toplam atalet değerine ve 60, 96 ve 132 kg/m² olmak üzere 3 farklı rüzgar yüküne bağlı olarak ayrı ayrı çizilmiştir. Eğrilerin altında kalan bölgeler o rüzgar yüküne göre "uygulanabilir" ebatları ifade etmektedir.

(The curves in the table; drew according to the inertia value of the clamp profiles and the wind loads of 60, 96 and 132 kg/m². The area below the curves according to the selected wind load mean "applicable" dimensions.)

Sistemin Çalışma Sınırları (Limits Of The System) :

Minimum-Maksimum Doğrama Genişlikleri (Minimum-Maximum Frame Width) : 1000mm - 4000mm

Minimum-Maksimum Doğrama Yükseklikleri (Minimum-Maximum Frame Height) : 1500mm - 5000mm

Maksimum Açılır Tek Kanat Ağırlığı (Maximum Opening Single Sash Weight) : 100 Kg

Statik Hesaplamaların Sınırları (Limits of Static Calculations) :

H : Doğrama Yüksekliği (Casement Height)

L : Doğrama Genişliği (Casement Width)

Sehim Kriteri (Deflection Criteria) : $H / 200$

DİYAGRAM - 1

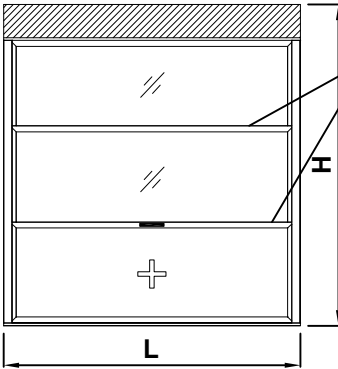
DIAGRAM - 1

TAKVİYESİZ KENET İÇİN STATİK DİYAGRAMI (3 KANATLI)

STATIC DIAGRAM FOR CLAMP WITHOUT REINFORCEMENT (3 SASHES)

ÜÇ KANATLI GİYOTİN SİSTEM

TRIPLE SASH GUILLOTINE SYSTEM

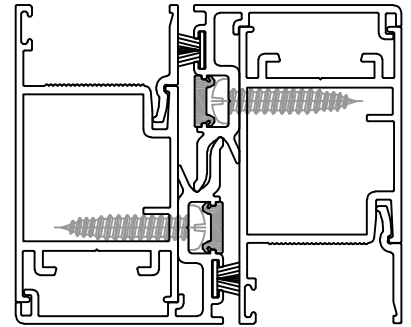


TAKVİYESİZ KENETLER
CLAMPS WITHOUT REINFORCEMENT

Takviyesiz Kenet Bölgesi Statiği (Static Value of Clamp Area Without Reinforcement) :

TOPLAM STATİK DEĞER:
TOTAL STATIC VALUE

42,64 cm⁴



DİYAGRAM - 2

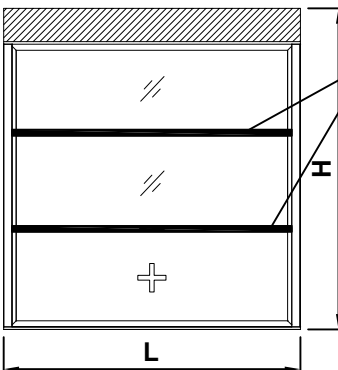
DIAGRAM - 2

TAKVİYELİ KENET İÇİN STATİK DİYAGRAMI (3 KANATLI)

STATIC DIAGRAM FOR CLAMP WITH REINFORCEMENT (3 SASHES)

ÜÇ KANATLI GİYOTİN SİSTEM

TRIPLE SASH GUILLOTINE SYSTEM

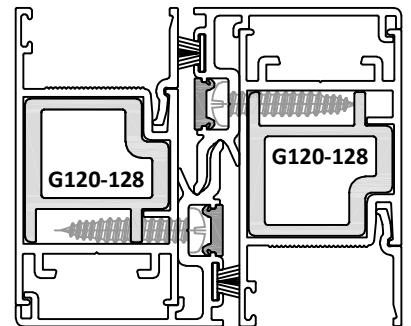


TAKVİYELİ KENETLER
CLAMPS WITH REINFORCEMENT

Takviyeli Kenet Bölgesi Statiği (Static Value of Clamp Area With Reinforcement) :

TOPLAM STATİK DEĞER:
TOTAL STATIC VALUE

65,16 cm⁴



RÜZGAR YÜKÜNE BAĞLI KULLANIM LİMİTLERİ DİYAGRAMLARI USAGE LIMITS DIAGRAMS ACCORDING TO THE WIND LOAD & SPEED

Diyagram Hakkında Bilgi (Information About The Diagram) :

Tabloda verilen eğriler; takviyeli ya da takviyesiz olan kenet profillerinin toplam atalet değerine ve 60, 96 ve 132 kg/m² olmak üzere 3 farklı rüzgar yüküne bağlı olarak ayrı ayrı çizilmiştir. Eğrilerin altında kalan bölgeler o rüzgar yüküne göre "uygulanabilir" ebatları ifade etmektedir.

(The curves in the table; drew according to the inertia value of the clamp profiles and the wind loads of 60, 96 and 132 kg/m². The area below the curves according to the selected wind load mean "applicable" dimensions.)

Sistemin Çalışma Sınırları (Limits Of The System) :

Minimum-Maksimum Doğrama Genişlikleri (Minimum-Maximum Frame Width) : **1000mm - 4000mm**

Minimum-Maksimum Doğrama Yükseklikleri (Minimum-Maximum Frame Height) : **1500mm - 5000mm**

Maksimum Açılır Tek Kanat Ağırlığı (Maximum Opening Single Sash Weight) : **100 Kg**

Statik Hesaplamaların Sınırları (Limits of Static Calculations) :

H : Doğrama Yüksekliği (Casement Height)

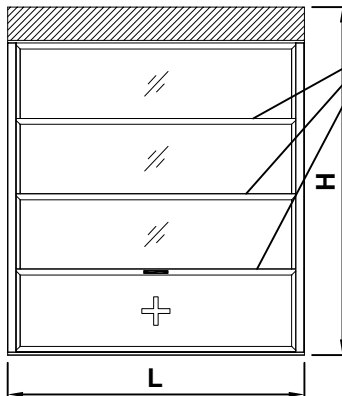
L : Doğrama Genişliği (Casement Width)

Sehim Kriteri (Deflection Criteria) : $H / 200$

DİYAGRAM - 3 DIAGRAM - 3

TAKVİYESİZ KENET İÇİN STATİK DİYAGRAMI (4 KANATLI) STATIC DIAGRAM FOR CLAMP WITHOUT REINFORCEMENT (4 SASHES)

DÖRT KANATLI GİYOTİN SİSTEM QUADRUPLE SASH GUILLOTINE SYSTEM

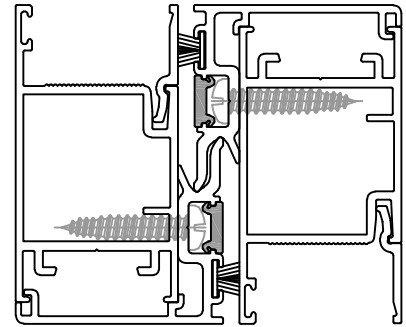


**TAKVİYESİZ
KENETLER**
CLAMPS WITHOUT
REINFORCEMENT

Takviyesiz Kenet Bölgesi Statığı (Static Value of Clamp Area Without Reinforcement) :

TOPLAM STATİK DEĞER:
TOTAL STATIC VALUE

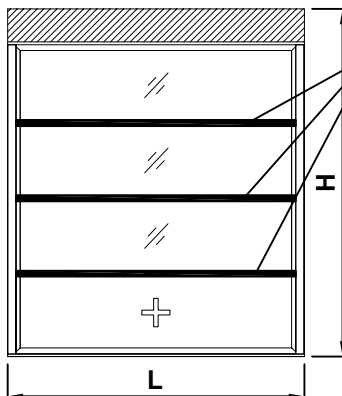
42,64 cm⁴



DİYAGRAM - 4 DIAGRAM - 4

TAKVİYELİ KENET İÇİN STATİK DİYAGRAMI (4 KANATLI) STATIC DIAGRAM FOR CLAMP WITH REINFORCEMENT (4 SASHES)

DÖRT KANATLI GİYOTİN SİSTEM QUADRUPLE SASH GUILLOTINE SYSTEM

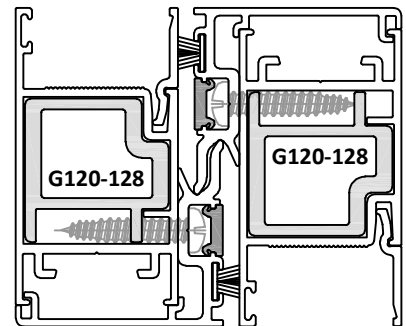


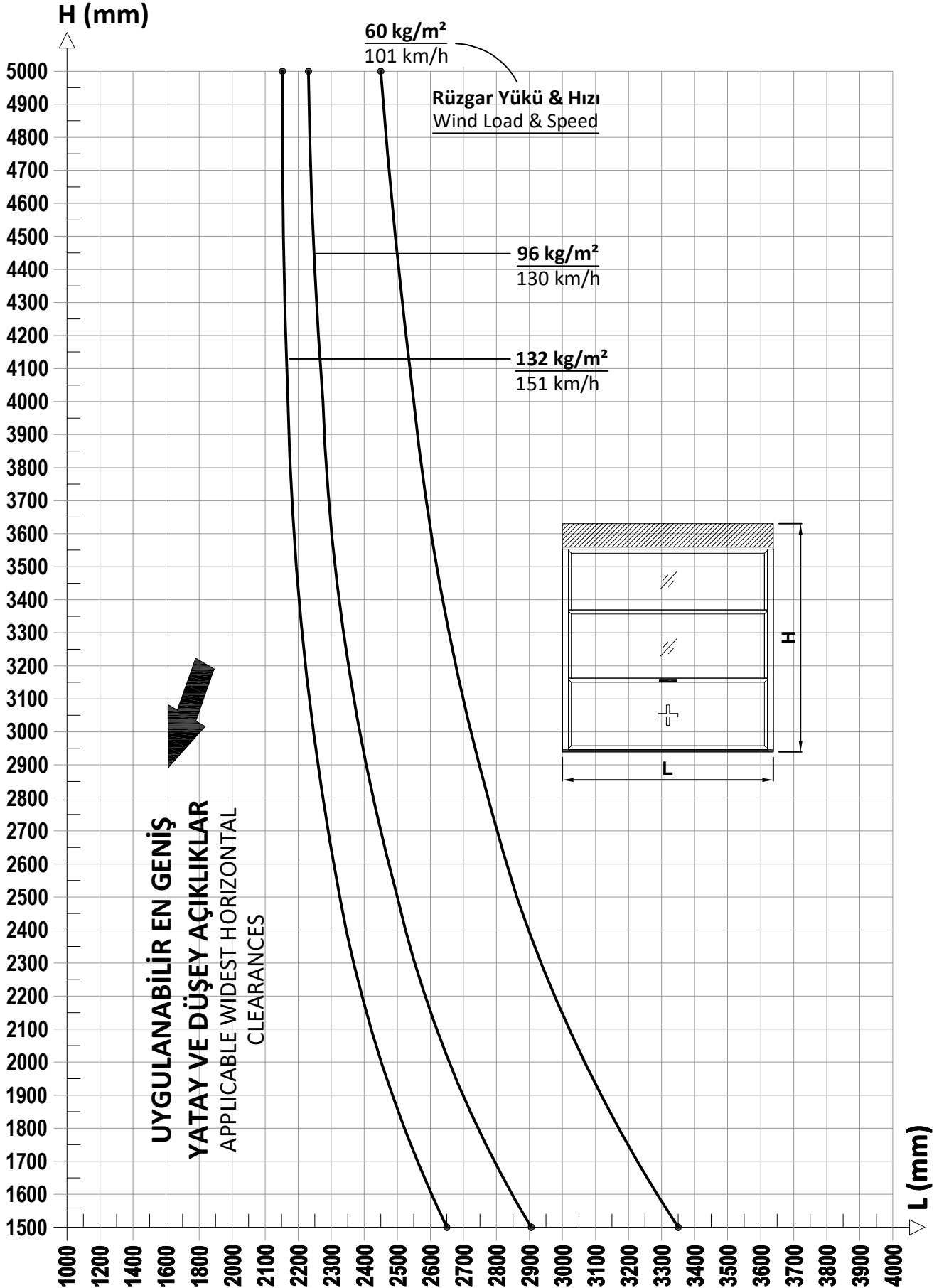
**TAKVİYELİ
KENETLER**
CLAMPS WITH
REINFORCEMENT

Takviyeli Kenet Bölgesi Statığı (Static Value of Clamp Area With Reinforcement) :

TOPLAM STATİK DEĞER:
TOTAL STATIC VALUE

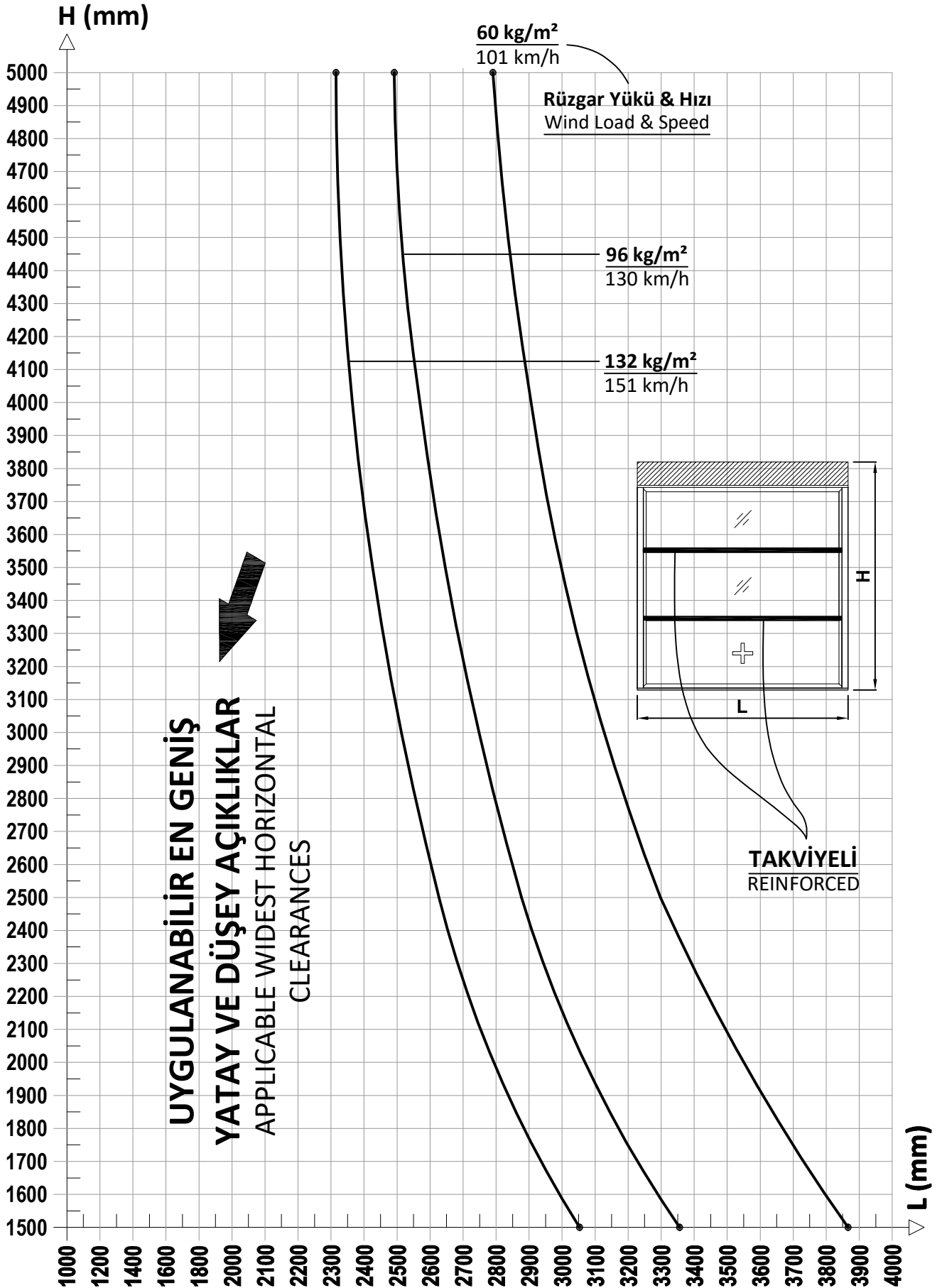
65,16 cm⁴

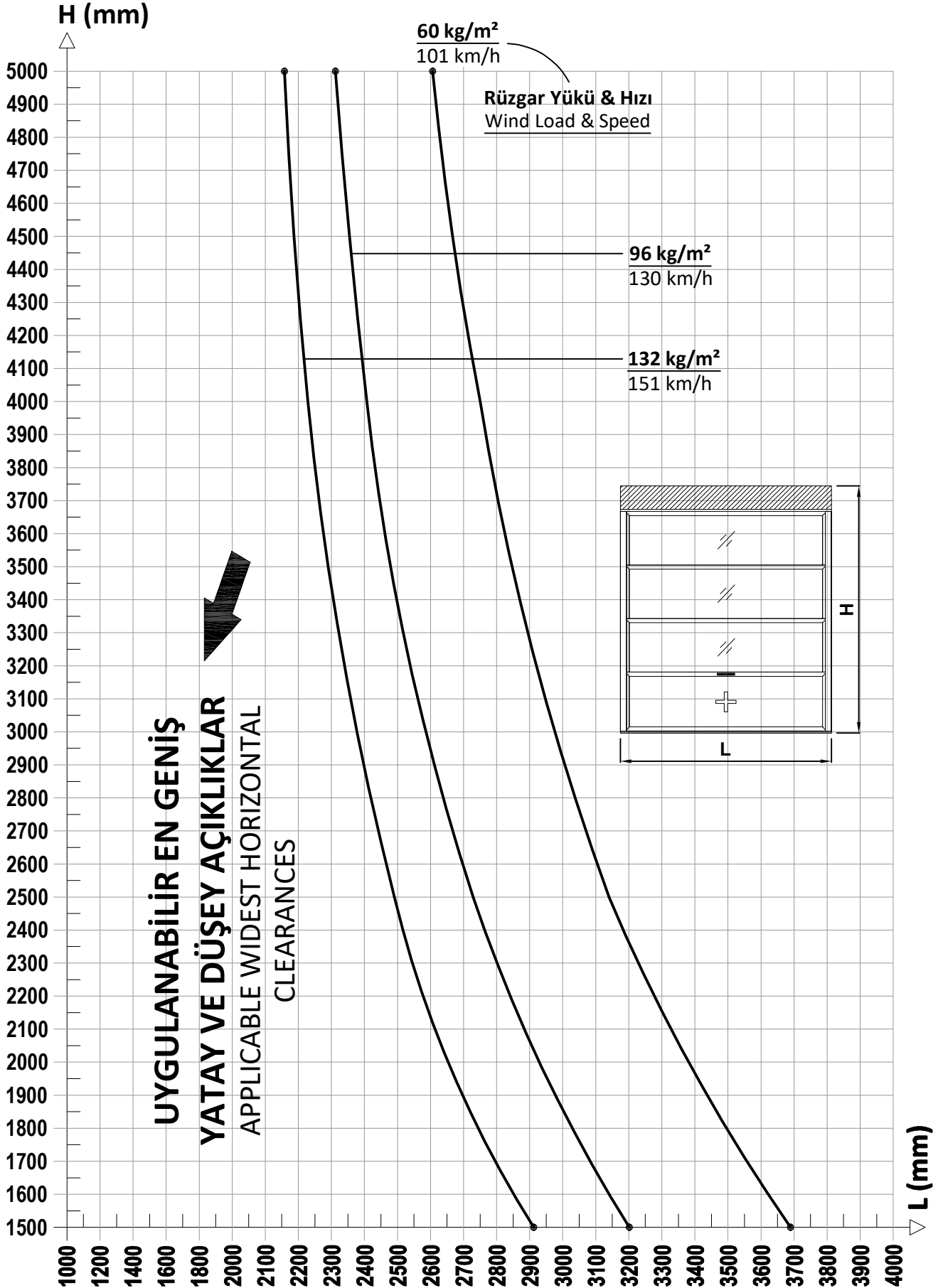


DİYAGRAM - 1
DIAGRAM - 1TAKVİYESİZ KENET İÇİN STATİK DİYAGRAMI (3 KANATLI)
STATIC DIAGRAM FOR CLAMP WITHOUT REINFORCEMENT (3 SASHES)

DİYAGRAM - 2
DIAGRAM - 2

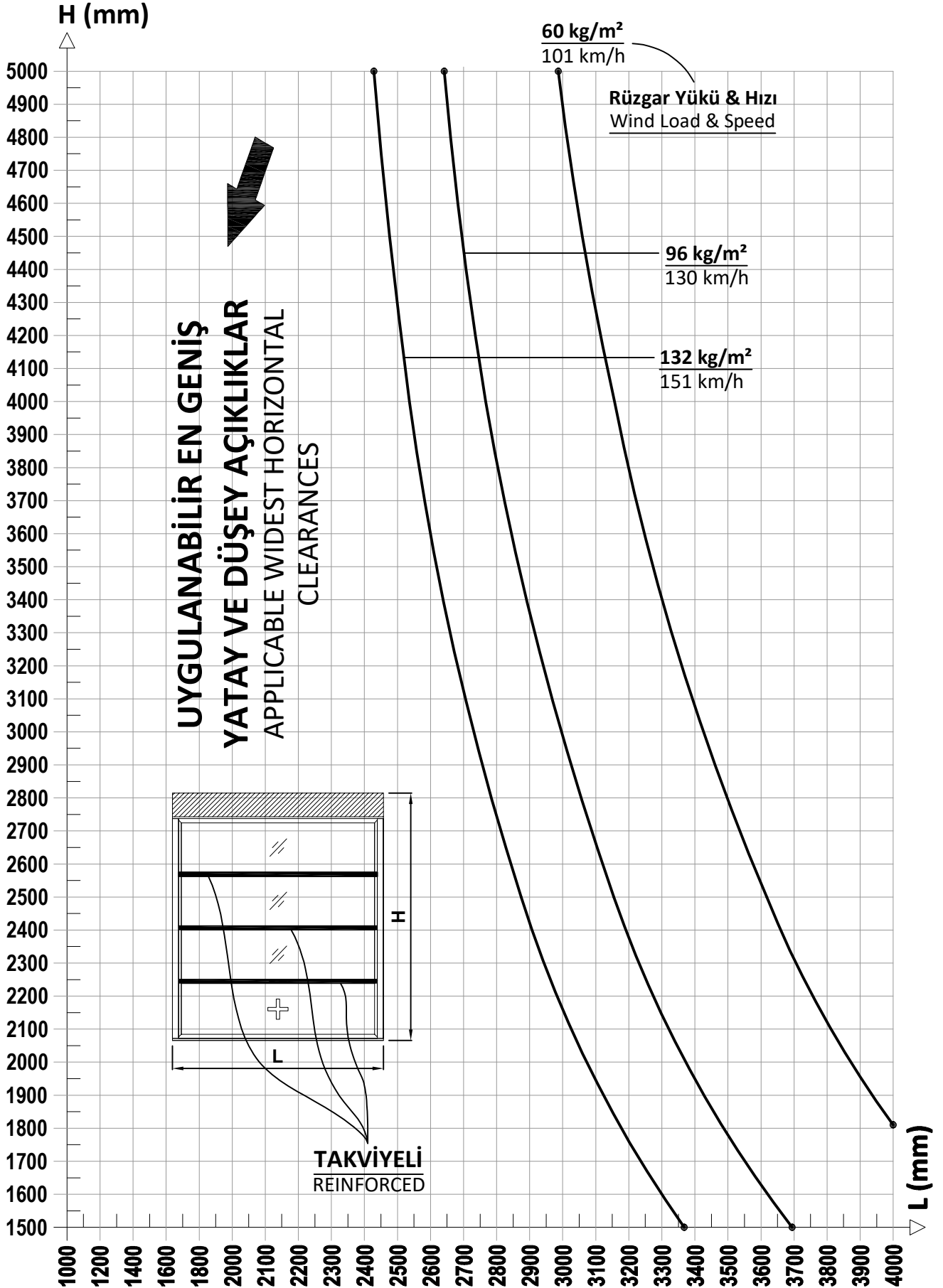
TAKVİYELİ KENET İÇİN STATİK DİYAGRAMI (3 KANATLI)
STATIC DIAGRAM FOR CLAMP WITH REINFORCEMENT (3 SASHES)



DİYAGRAM - 3
DIAGRAM - 3TAKVİYESİZ KENET İÇİN STATİK DİYAGRAMI (4 KANATLI)
STATIC DIAGRAM FOR CLAMP WITHOUT REINFORCEMENT (4 SASHES)

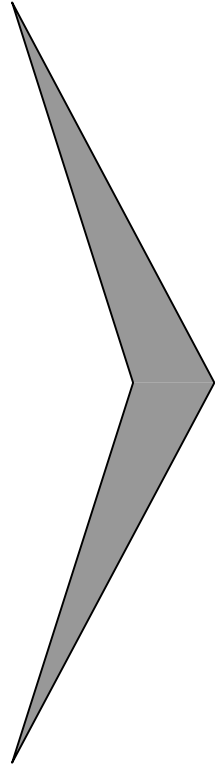
DİYAGRAM - 4
DIAGRAM - 4

TAKVİYELİ KENET İÇİN STATİK DİYAGRAMI (4 KANATLI)
STATIC DIAGRAM FOR CLAMP WITH REINFORCEMENT (4 SASHES)



PROFİL FİHRİSTİ

PROFILE INDEX



- KATALOGDA BELİRTİLEN TM PROFİL AĞIRLIKLARI TEORİK OLUP PROFİLLERİN PRES(HAM) HALLERİNE AİTTİR. ISI BARİYERİ ÇEŞİDİNE VEYA PROFİL YZEYİNDEKİ BOYA KALINLIKLARINA BAĞLI OLARAK AĞIRLIK FARKLILIKLARI OLUŞABİLMEKTEDİR. WEIGHTS IN THIS CATALOGUE ARE THEORETICAL AND BELONG TO MILL FINISH SURFACE. ACCORDING TO THE INSULATION BAR TYPE OR THICKNESSES OF THE PAINT ON THE PROFILE SURFACE, THERE COULD BE WEIGHT DIFFERENCES.
- SİSTEM ALMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR. SİSTEM ALMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.


PROFİL FİHRİSTİ / PROFILE INDEX

PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
G120-101	YAN KASA PROFİLİ (3 KANATLI) SIDE FRAME PROFILE (3 SASHES)		1,669	14
G120-102	YAN KASA PROFİLİ (4 KANATLI) SIDE FRAME PROFILE (4 SASHES)		2,085	14
G120-103	ALT&ÜST KASA PROFİLİ (3 KANATLI) TOP&BOTTOM FRAME PROFILE (3 SASHES)		1,373	14
G120-104	ALT&ÜST KASA PROFİLİ (4 KANATLI) TOP&BOTTOM FRAME PROFILE (4 SASHES)		1,880	15
G120-105	YAN ADAPTÖR PROFİLİ (3 KANATLI) SIDE ADAPTER PROFILE (3 SASHES)		0,573	15
G120-106	YAN ADAPTÖR PROFİLİ (4 KANATLI) SIDE ADAPTER PROFILE (4 SASHES)		0,823	15
G120-107	KANAT PROFİLİ SASH PROFILE		0,737	16
G120-108	İÇ KAPATMA PROFİLİ INNER COVER PROFILE		0,635	16
G120-109	KANAT ADAPTÖR PROFİLİ SASH ADAPTER PROFILE		0,463	16
G120-110	ORTA KAPATMA PROFİLİ MIDDLE COVER PROFILE		0,243	16
G120-111	KANAT MENTEŞE PROFİLİ SASH HINGE PROFILE		0,514	16
G120-112	KENET PROFİLİ CLAMP PROFILE		0,442	16
G120-113	ÜST KAPAK BAĞLANTI PROFİLİ TOP CAP CONNECTION PROFILE		0,229	16
G120-114	ALT TAKOZ PROFİLİ BOTTOM WEDGE PROFILE		0,381	16
G120-115	ÜST TAKOZ PROFİLİ TOP WEDGE PROFILE		0,296	16

PROFİL FİHRİSTİ / PROFILE INDEX

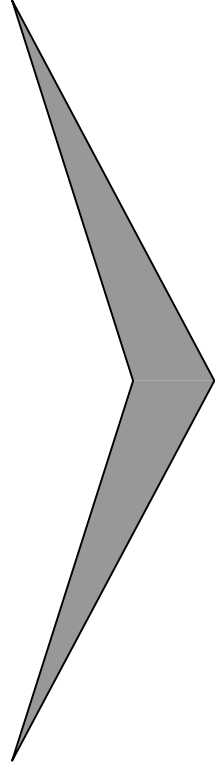
PROFİL NUM. PROFILE NO.	TANIM DESCRIPTION	ÇİZİM DRAWING	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
G120-116	HAREKETLİ KAPATMA PROFİLİ ACTIVE COVER PROFILE		0,241	16
G120-117	CAM ÇITASI (1,5mm) GLAZING BEAD		0,097	15
G120-118	CAM ÇITASI (5,5mm) GLAZING BEAD		0,123	15
G120-119	CAM ÇITASI (11,5mm) GLAZING BEAD		0,146	15
G120-120	CAM ÇITASI (15,5mm) GLAZING BEAD		0,165	15
G120-121	FIRÇA FİTİL ADAPTÖR PROFİLİ ADAPTER PROFILE FOR WEATHER STRIP		0,165	17
G120-122	ÜST KAPAK PROFİLİ (3 KANATLI) ACTIVE TOP CAP PROFILE (3 SASHES)		0,666	17
G120-123	ÜST KAPAK PROFİLİ (4 KANATLI) ACTIVE TOP CAP PROFILE (4 SASHES)		0,920	17
G120-124	MOTOR KUTUSU PROFİLİ (3 KANATLI) MOTOR BOX PROFILE (3 SASHES)		1,515	18
G120-125	MOTOR KUTUSU PROFİLİ (4 KANATLI) MOTOR BOX PROFILE (4 SASHES)		1,783	18
G120-126	MOTOR KUTUSU KAPAĞI MOTOR BOX COVER		0,732	17

PROFİL FİHRİSTİ / PROFILE INDEX

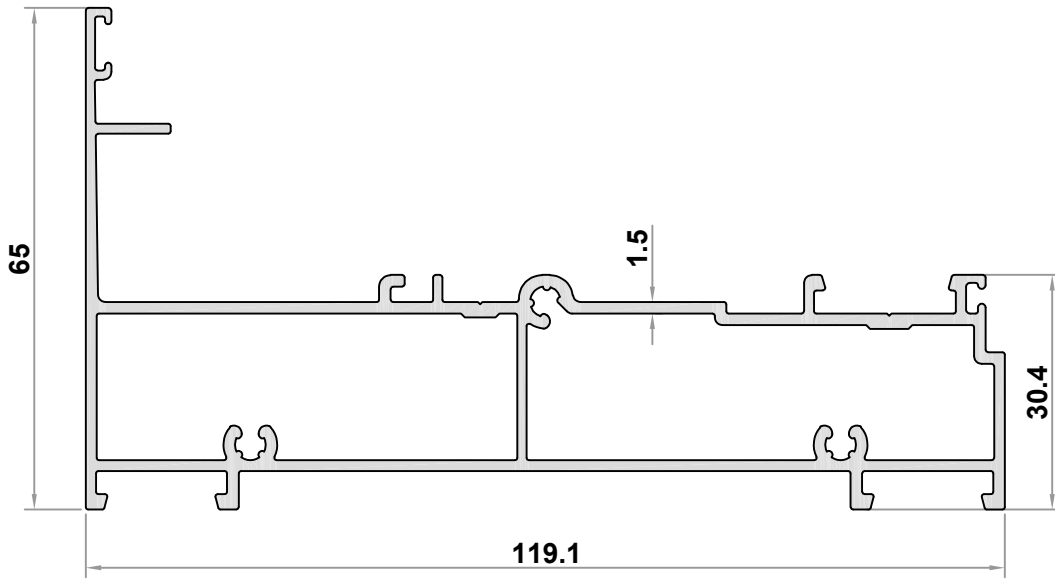
[illegible]

PROFİLLER

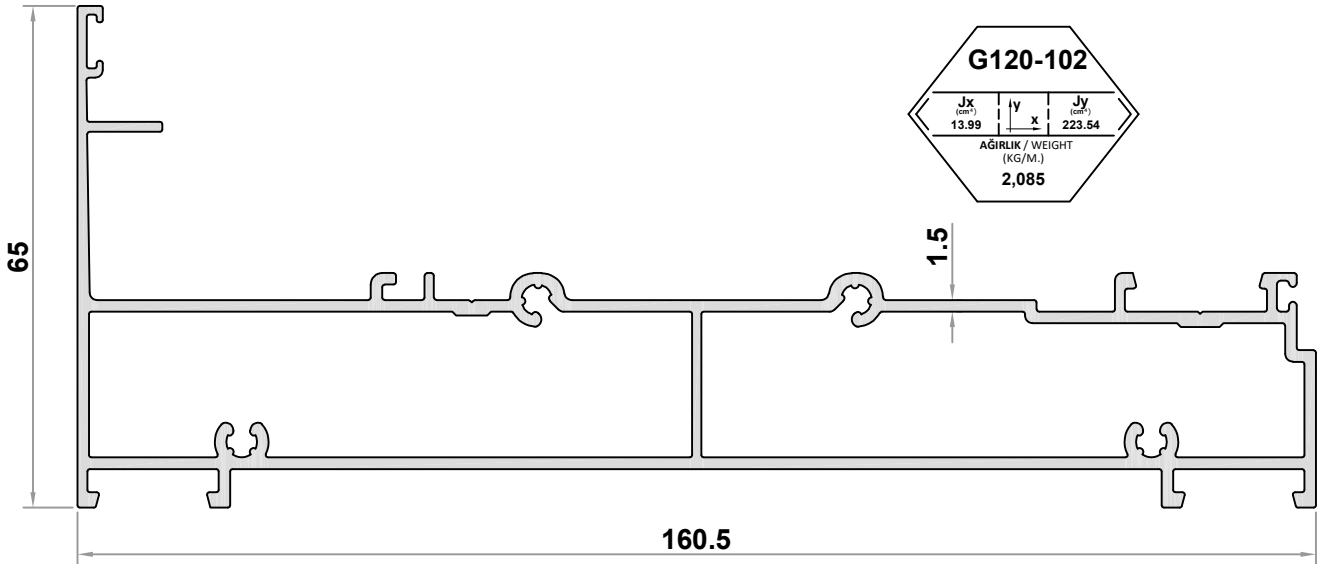
PROFILES



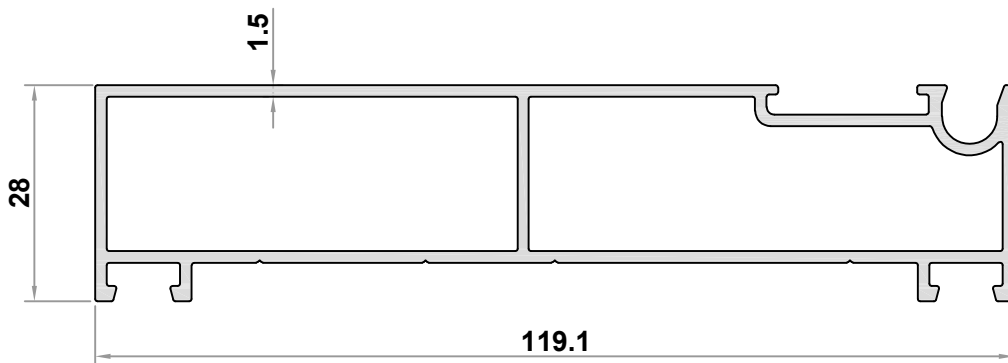
- KATALOGDA BELİRTİLEN TM PROFİL AĞIRLIKLARI TEORİK OLUP PROFİLLERİN PRES(HAM) HALLERİNE AİTTİR. ISI BARİYERİ ÇEŞİDİNE VEYA PROFİL YZEYİNDEKİ BOYA KALINLIKLARINA BAĞLI OLARAK AĞIRLIK FARKLILIKLARI OLUŞABİLMEKTEDİR. WEIGHTS IN THIS CATALOGUE ARE THEORETICAL AND BELONG TO MILL FINISH SURFACE. ACCORDING TO THE INSULATION BAR TYPE OR THICKNESSES OF THE PAINT ON THE PROFILE SURFACE, THERE COULD BE WEIGHT DIFFERENCES.
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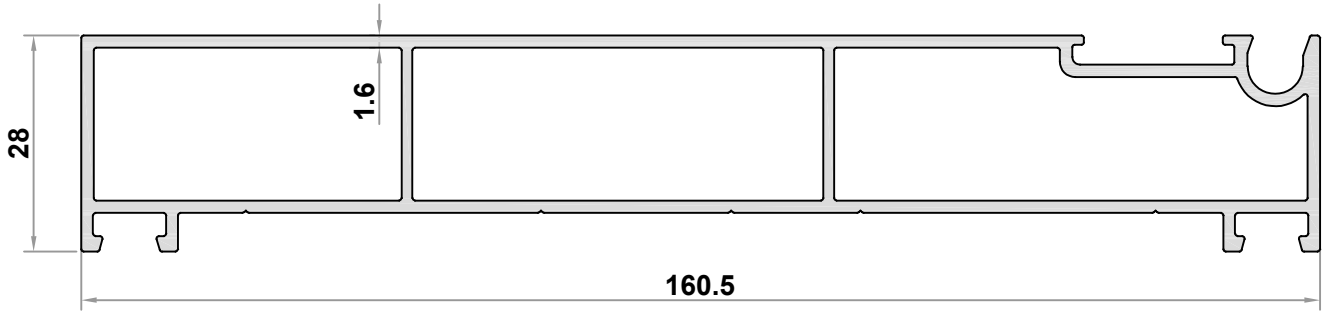
G120-101			
Jx (cm ⁴)	y (cm)	Jy (cm ⁴)	x (cm)
12.26		100.67	
AĞIRLIK / WEIGHT (KG/M.)			
1,669			



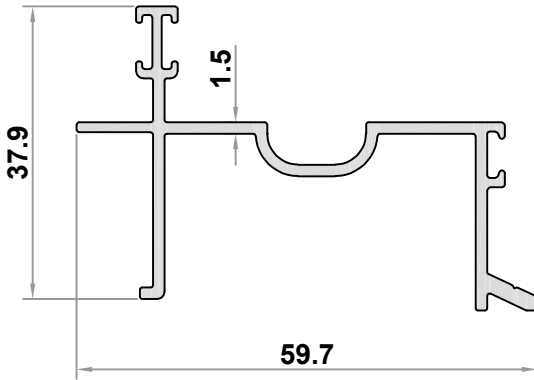
G120-102			
Jx (cm ⁴)	y (cm)	Jy (cm ⁴)	x (cm)
13.99		223.54	
AĞIRLIK / WEIGHT (KG/M.)			
2,085			



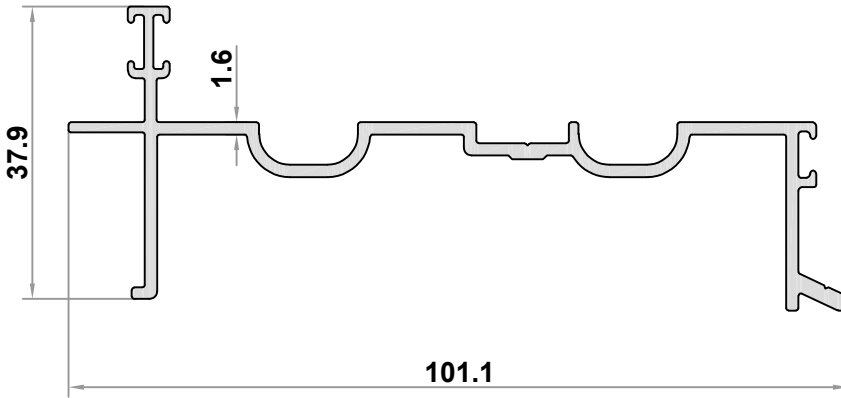
G120-103			
Jx (cm ⁴)	y (cm)	Jy (cm ⁴)	x (cm)
4.98		78.67	
AĞIRLIK / WEIGHT (KG/M.)			
1,373			



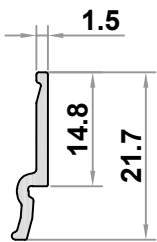
G120-104			
Jx (cm ⁴)	Iy (cm ⁴)	Jy (cm ⁴)	
6.83	x	185.92	
AĞIRLIK / WEIGHT (KG/M.)			
1,880			



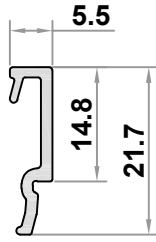
G120-105			
Jx (cm ⁴)	Iy (cm ⁴)	Jy (cm ⁴)	
1.93	x	7.64	
AĞIRLIK / WEIGHT (KG/M.)			
0,573			



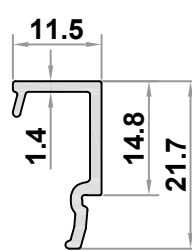
G120-106			
Jx (cm ⁴)	Iy (cm ⁴)	Jy (cm ⁴)	
2.04	x	34.49	
AĞIRLIK / WEIGHT (KG/M.)			
0,823			



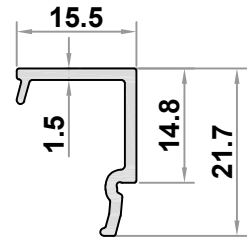
G120-117	
AĞIRLIK / WEIGHT (KG/M.)	
0,097	



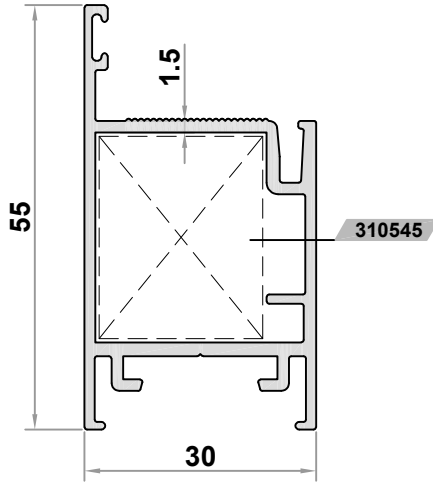
G120-118	
AĞIRLIK / WEIGHT (KG/M.)	
0,123	



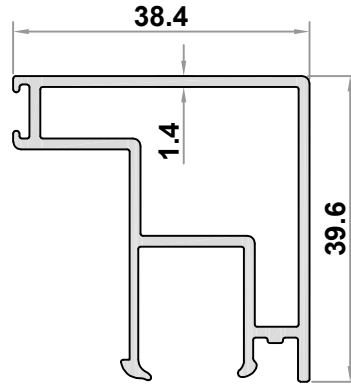
G120-119	
AĞIRLIK / WEIGHT (KG/M.)	
0,146	



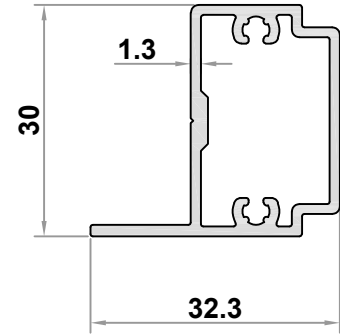
G120-120	
AĞIRLIK / WEIGHT (KG/M.)	
0,165	



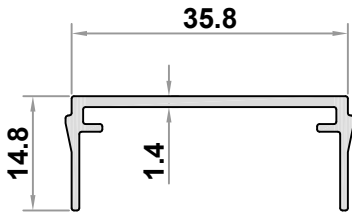
G120-107		
Jx (cm ²)	Iy (cm ²)	Jy (cm ²)
5.83	x	3.80
AĞIRLIK / WEIGHT (KG/M.)		
0,738		



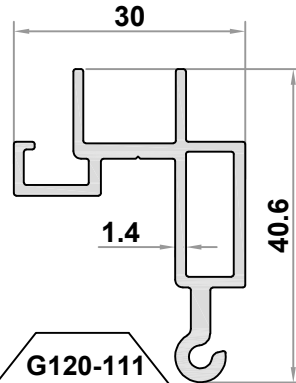
G120-108		
Jx (cm ²)	Iy (cm ²)	Jy (cm ²)
3.81	x	3.38
AĞIRLIK / WEIGHT (KG/M.)		
0,635		



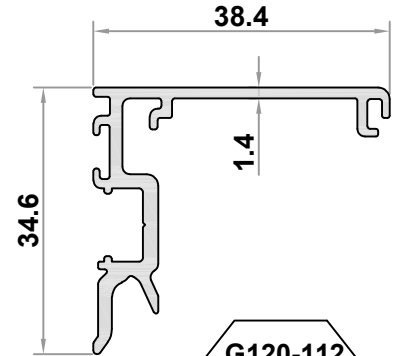
G120-109		
Jx (cm ²)	Iy (cm ²)	Jy (cm ²)
2.08	x	1.15
AĞIRLIK / WEIGHT (KG/M.)		
0,463		



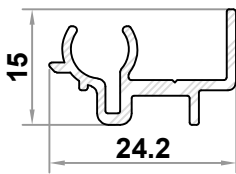
G120-110		
AĞIRLIK / WEIGHT (KG/M.)		
0,243		



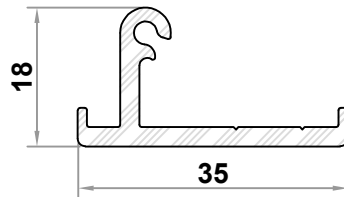
G120-111		
Jx (cm ²)	Iy (cm ²)	Jy (cm ²)
2.09	x	1.36
AĞIRLIK / WEIGHT (KG/M.)		
0,514		



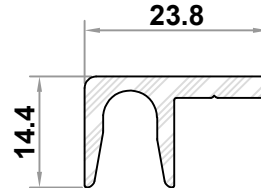
G120-112		
Jx (cm ²)	Iy (cm ²)	Jy (cm ²)
1.82	x	2.11
AĞIRLIK / WEIGHT (KG/M.)		
0,442		



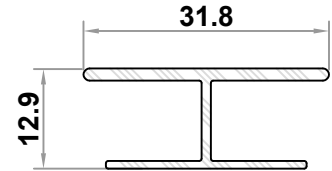
G120-113		
AĞIRLIK / WEIGHT (KG/M.)		
0,212		



G120-114		
AĞIRLIK / WEIGHT (KG/M.)		
0,382		



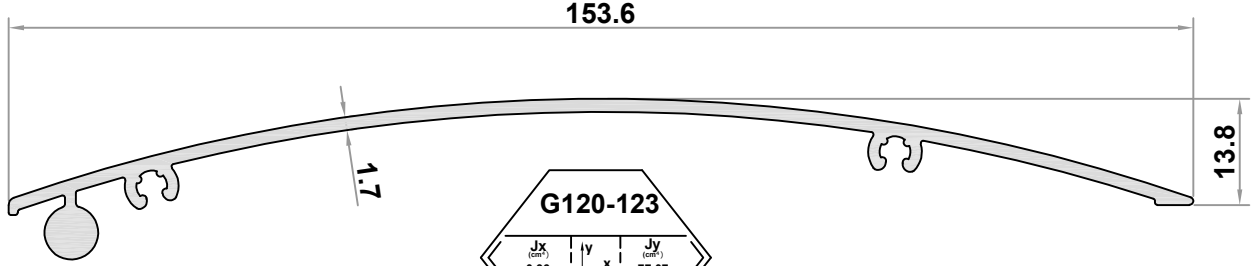
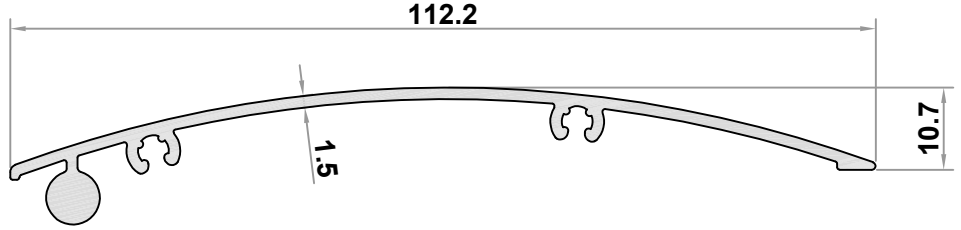
G120-115		
AĞIRLIK / WEIGHT (KG/M.)		
0,296		



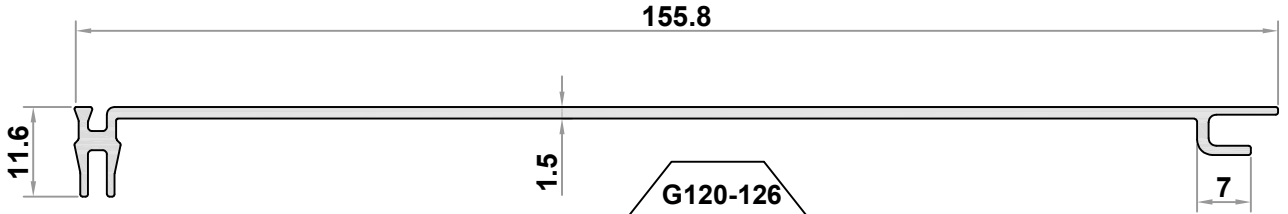
G120-116		
AĞIRLIK / WEIGHT (KG/M.)		
0,241		

G120 - EASYCLEAN/GUILLOTINE

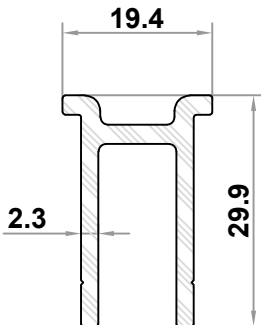
G120-122			
Jx (cm ⁴)	Iy (cm ⁴)	x	Jy (cm ⁴)
0,51			28,63
AĞIRLIK / WEIGHT (KG/M.)			
0,667			



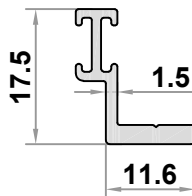
G120-123			
Jx (cm ⁴)	Iy (cm ⁴)	x	Jy (cm ⁴)
0,96			77,07
AĞIRLIK / WEIGHT (KG/M.)			
0,920			



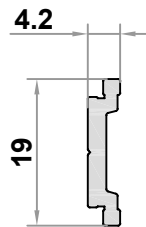
G120-126			
Jx (cm ⁴)	Iy (cm ⁴)	x	Jy (cm ⁴)
0,10			66,18
AĞIRLIK / WEIGHT (KG/M.)			
0,732			



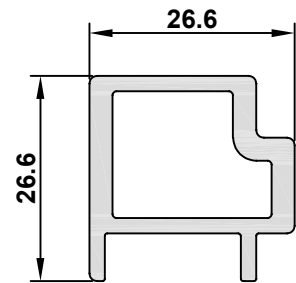
G120-127	
AĞIRLIK / WEIGHT (KG/M.)	
0,468	



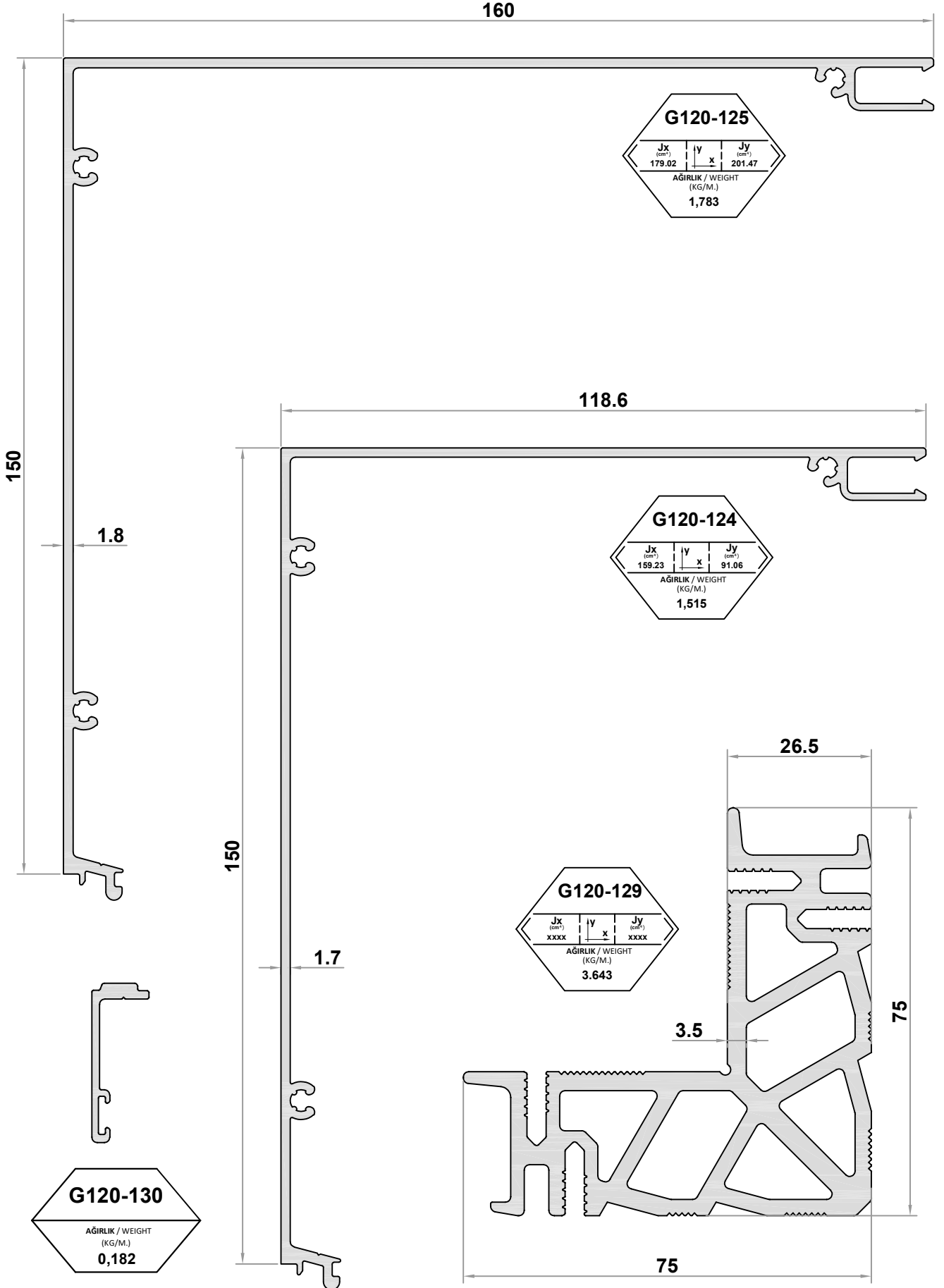
G120-121	
AĞIRLIK / WEIGHT (KG/M.)	
0,165	



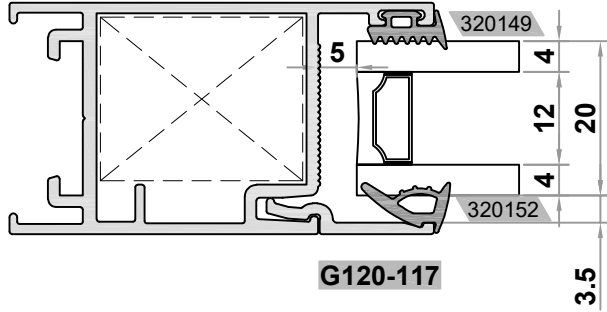
W1-508	
AĞIRLIK / WEIGHT (KG/M.)	
0,134	



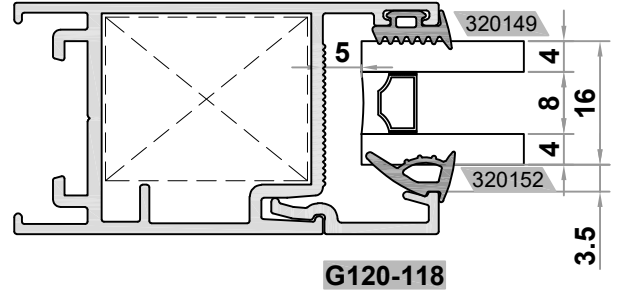
G120-128			
Jx (cm ⁴)	Iy (cm ⁴)	x	Jy (cm ⁴)
1,45			2,04
AĞIRLIK / WEIGHT (KG/M.)			
0,629			



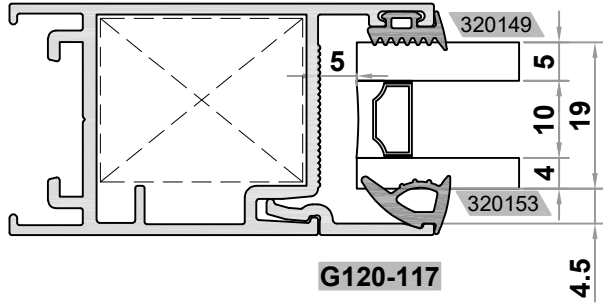
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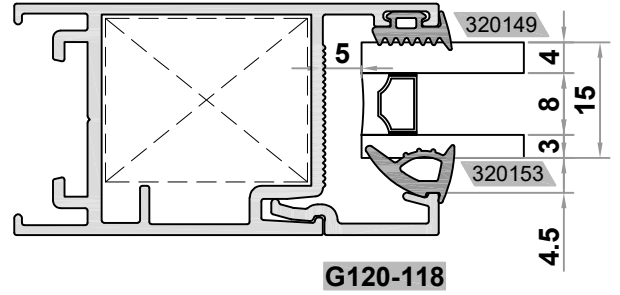
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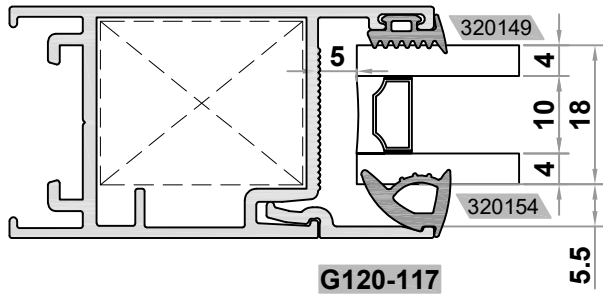
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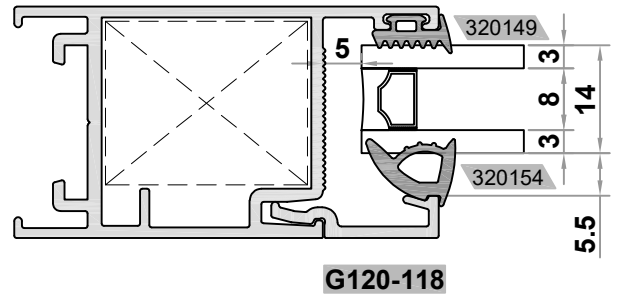
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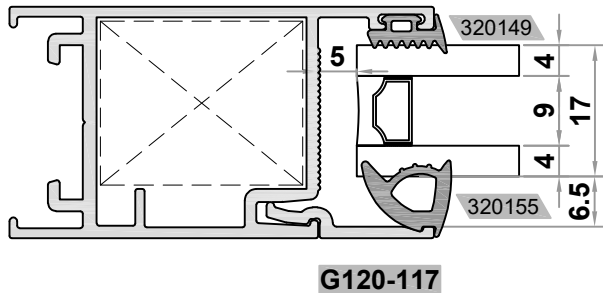
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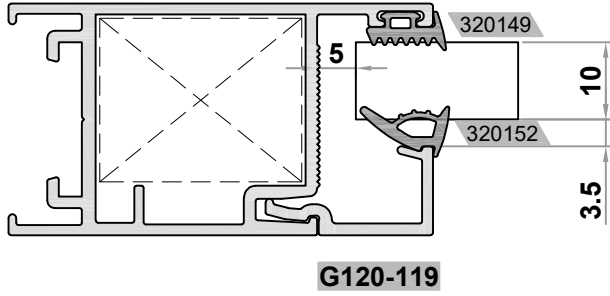
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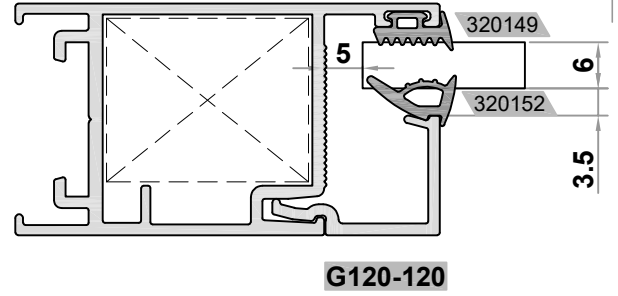
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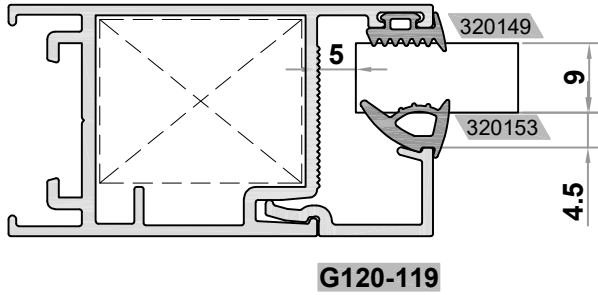
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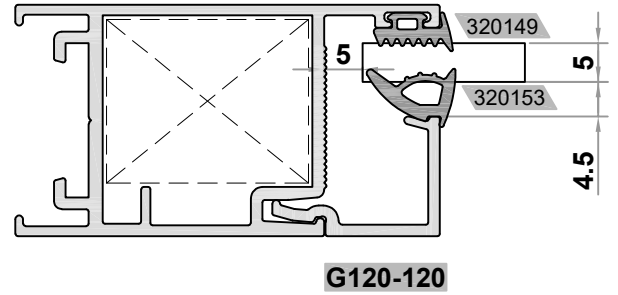
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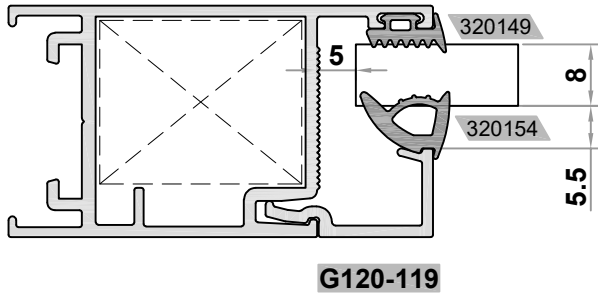
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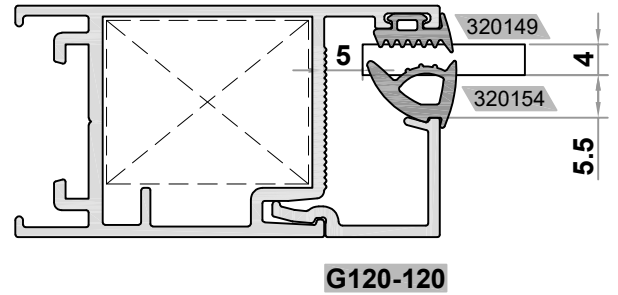
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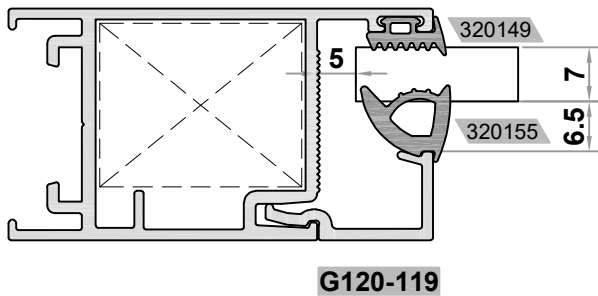
8mm



4mm



7mm



DETAYLAR

DETAILS

TARAMA STİLLERİ / HATCH STYLES

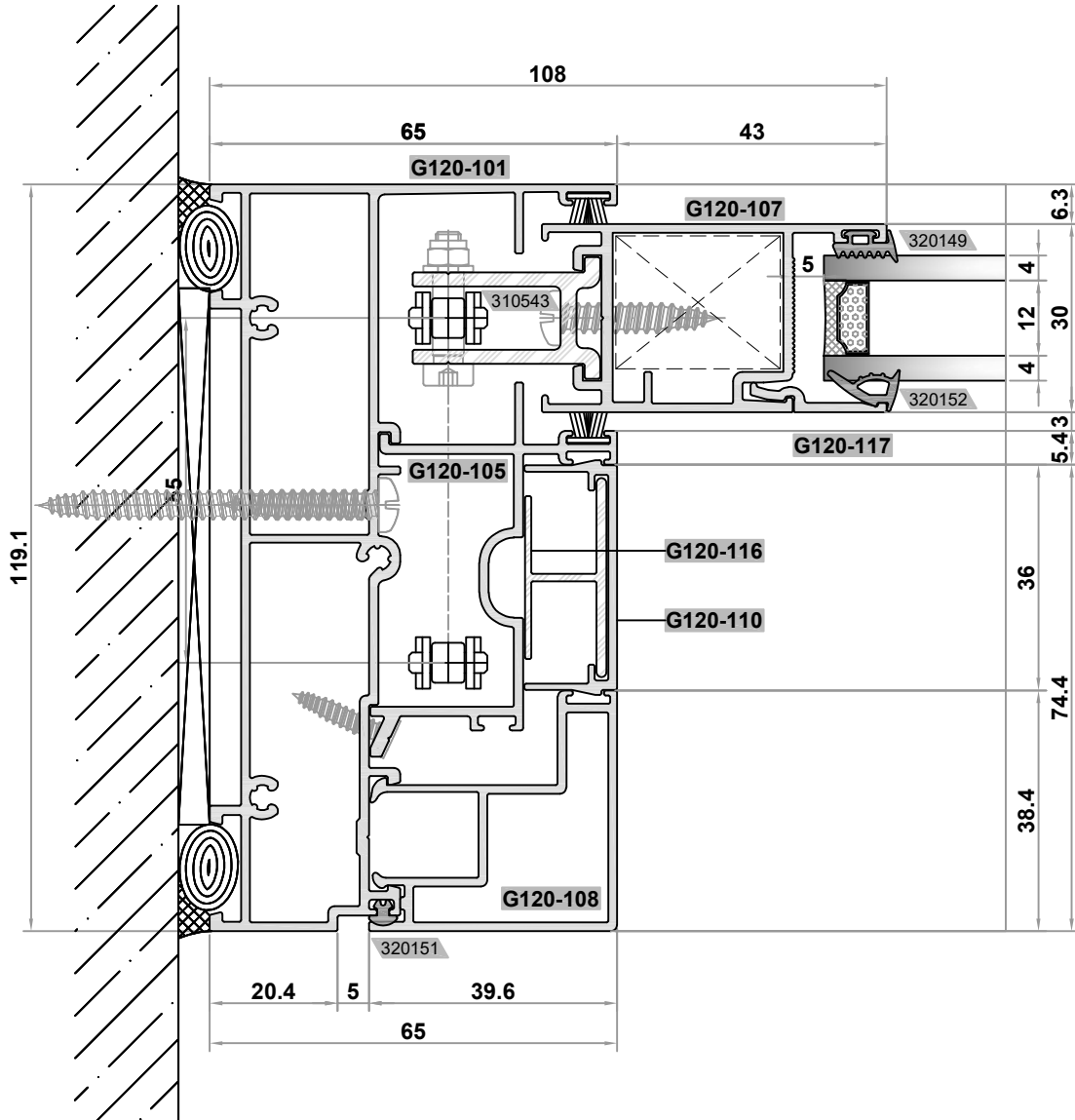
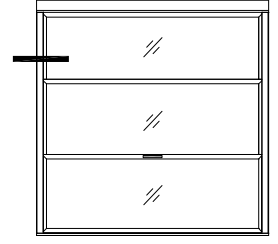
	EPDM FİTİL / EPDM GASKET		PVC PROFİL / PVC PROFILE
	STRÜKTÜREL SİLİKON / STRUCTURAL SILICONE		ÇELİK PROFİL / STEEL PROFILE
	MESAFE BELİRLEYİCİ / SPACE ADJUSTER		SU YALITIM MEMBRANI / WATERPROOFING MEMBRANE
	ALÜMİNYUM PROFİL / ALUMINIUM PROFILE		POLİETİLEN CONTA / POLYETHYLENE GASKET
	PROFİL PARÇA (Al)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

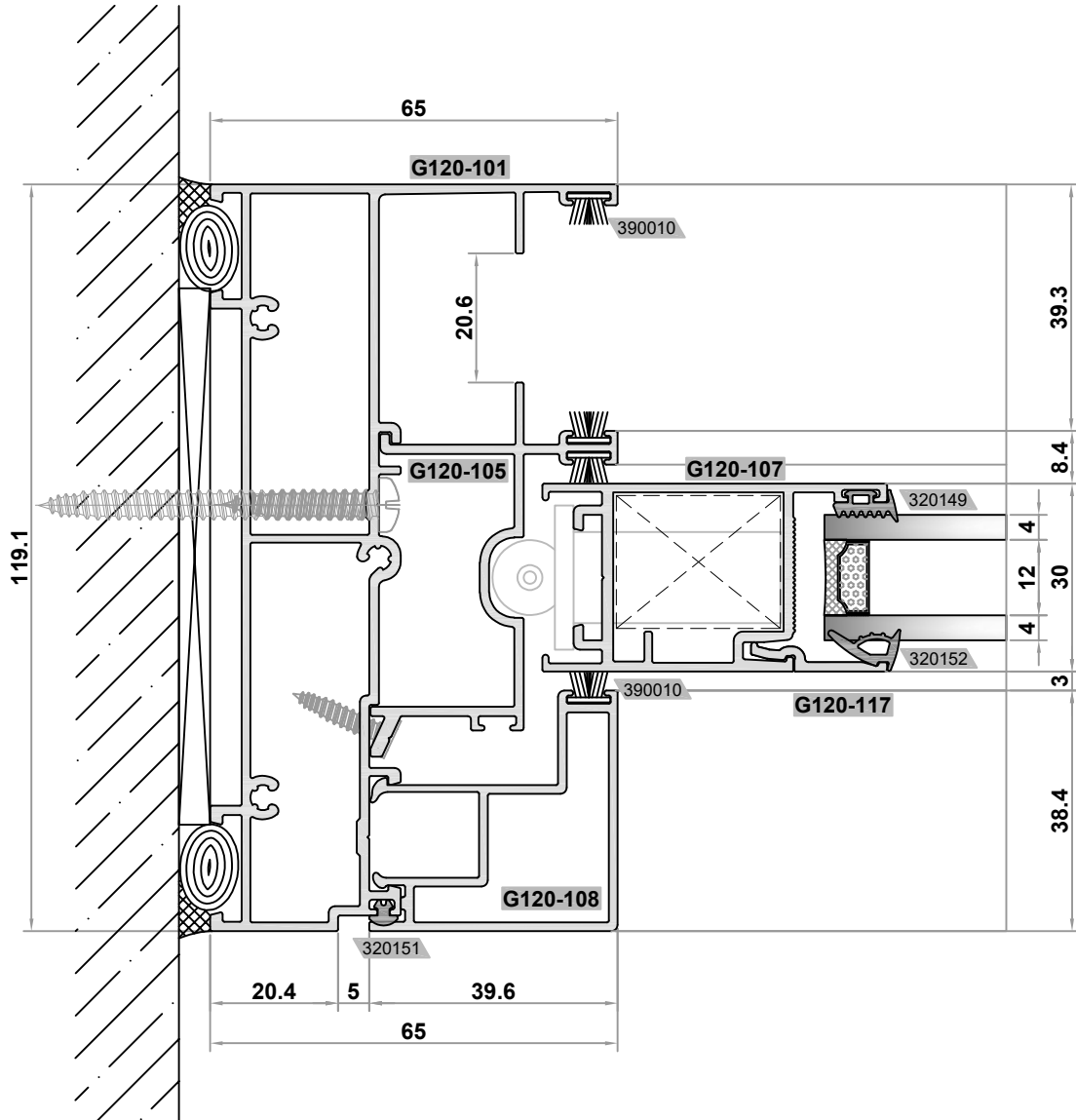
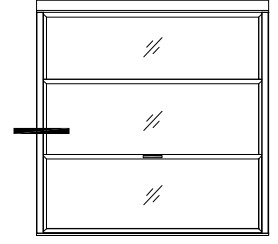
► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

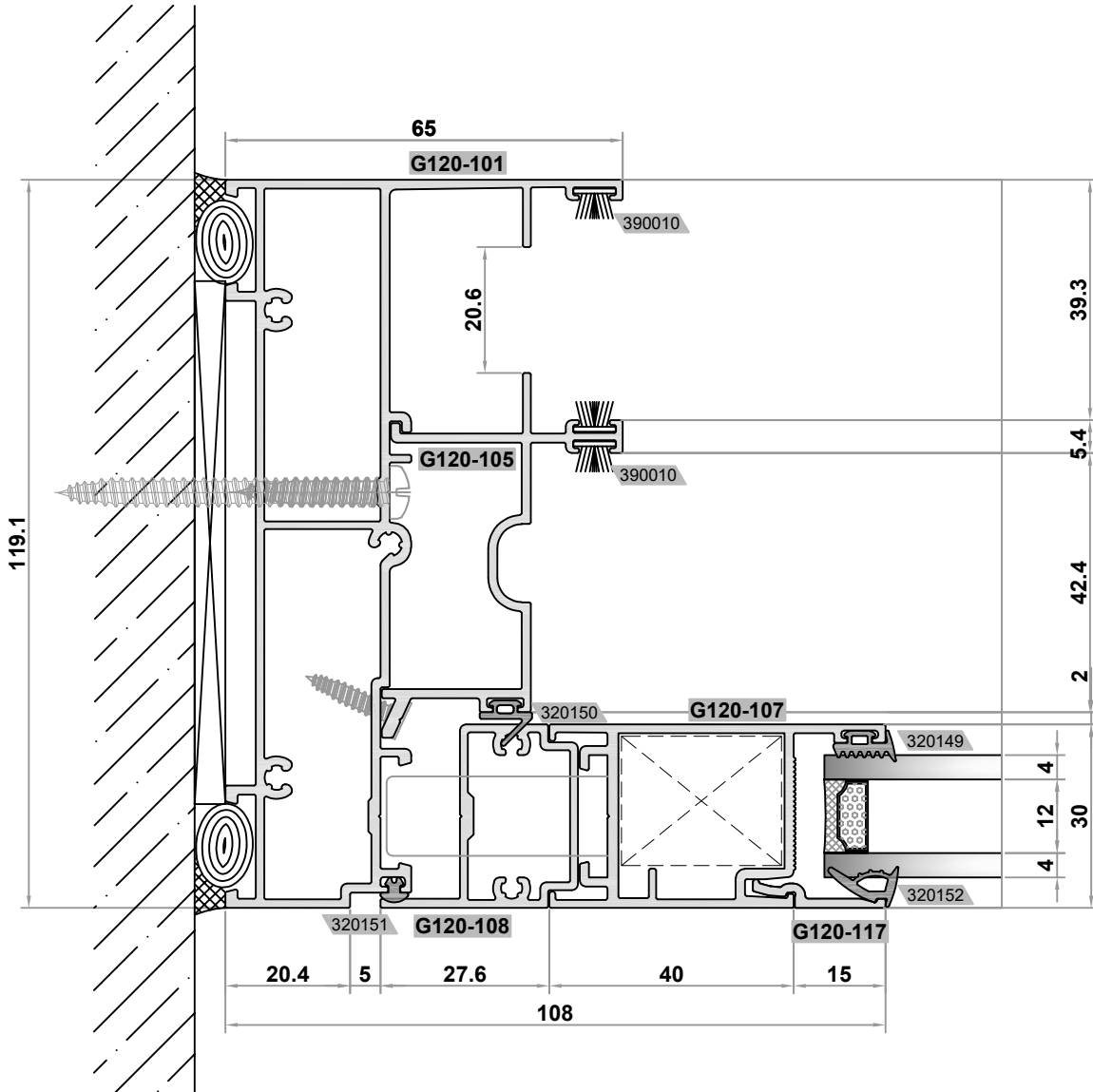
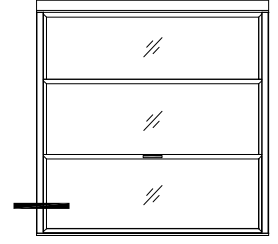
3 KANATLI GİYOTİN DETAYLARI GUILLOTINE DETAILS WITH THREE SASH

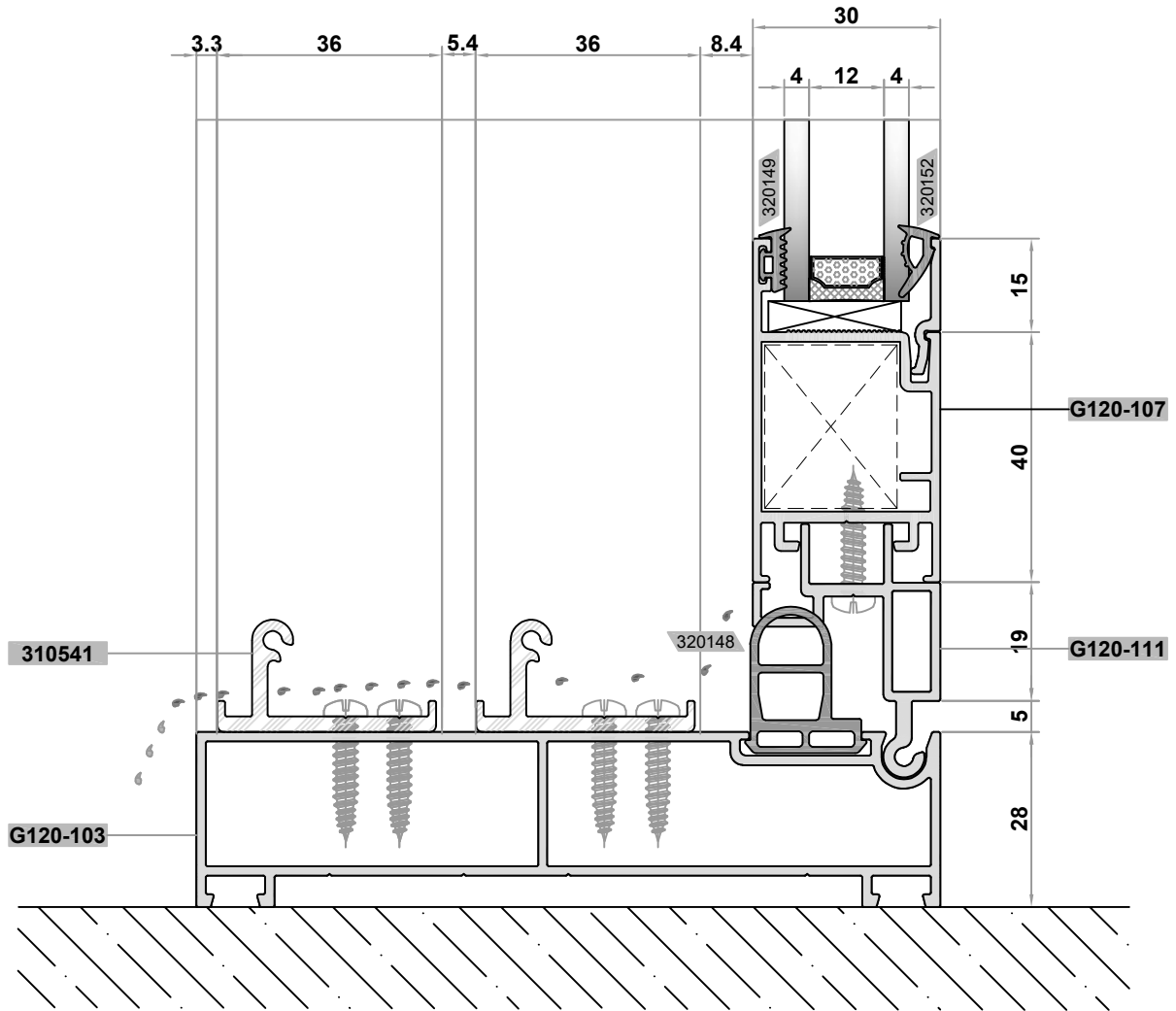
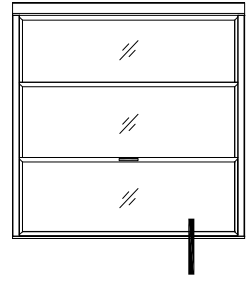


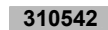
► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.



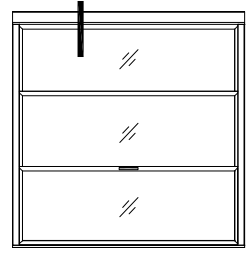
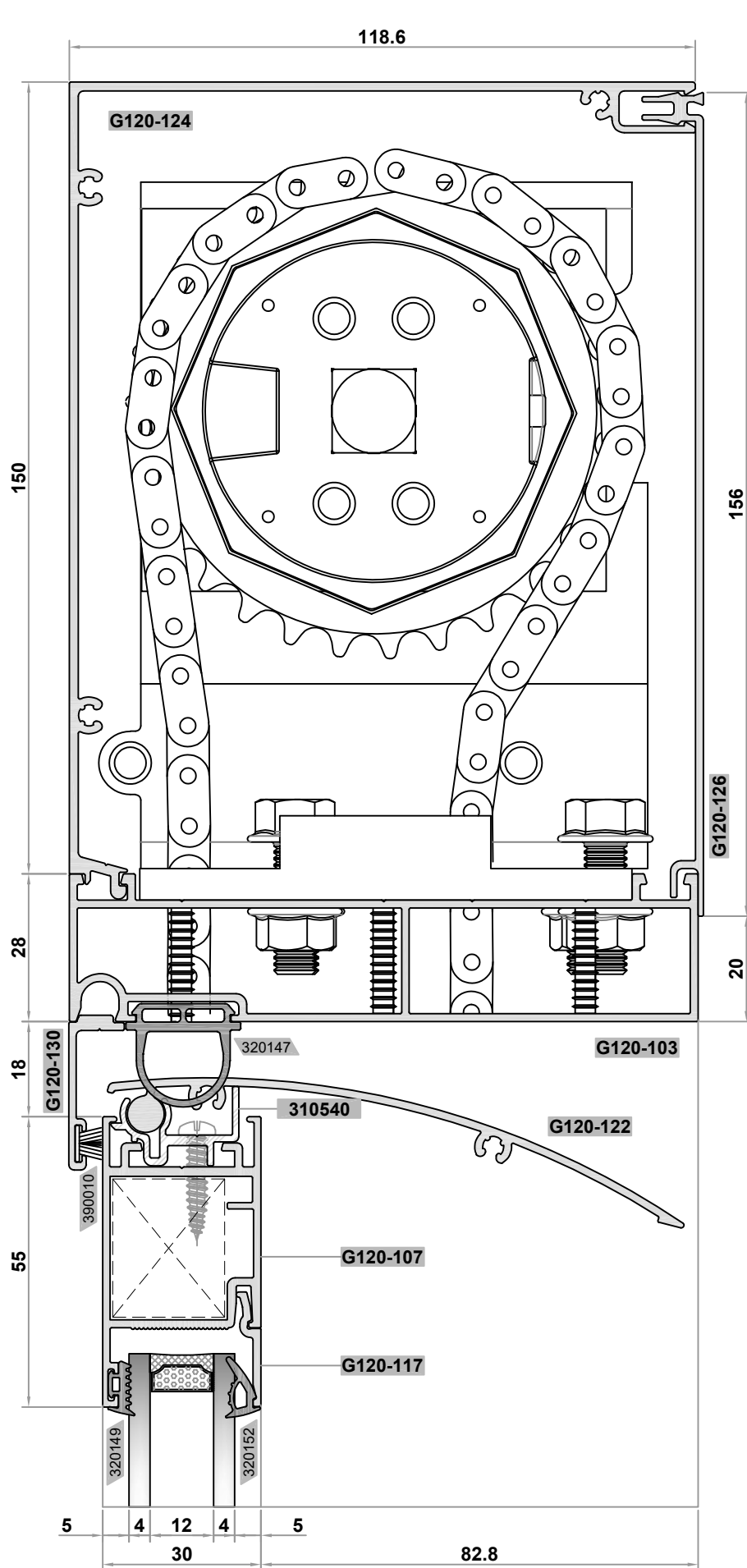


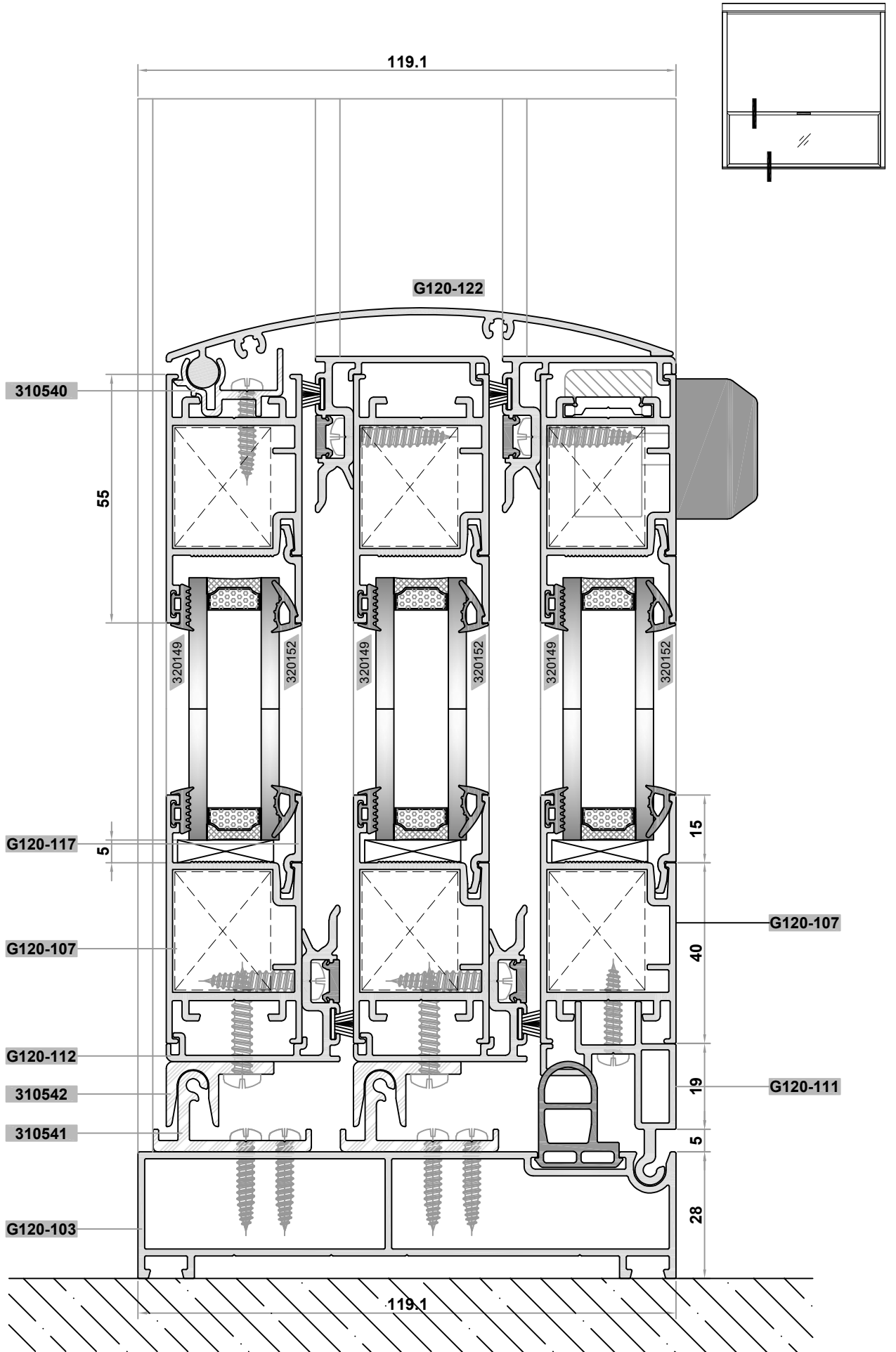


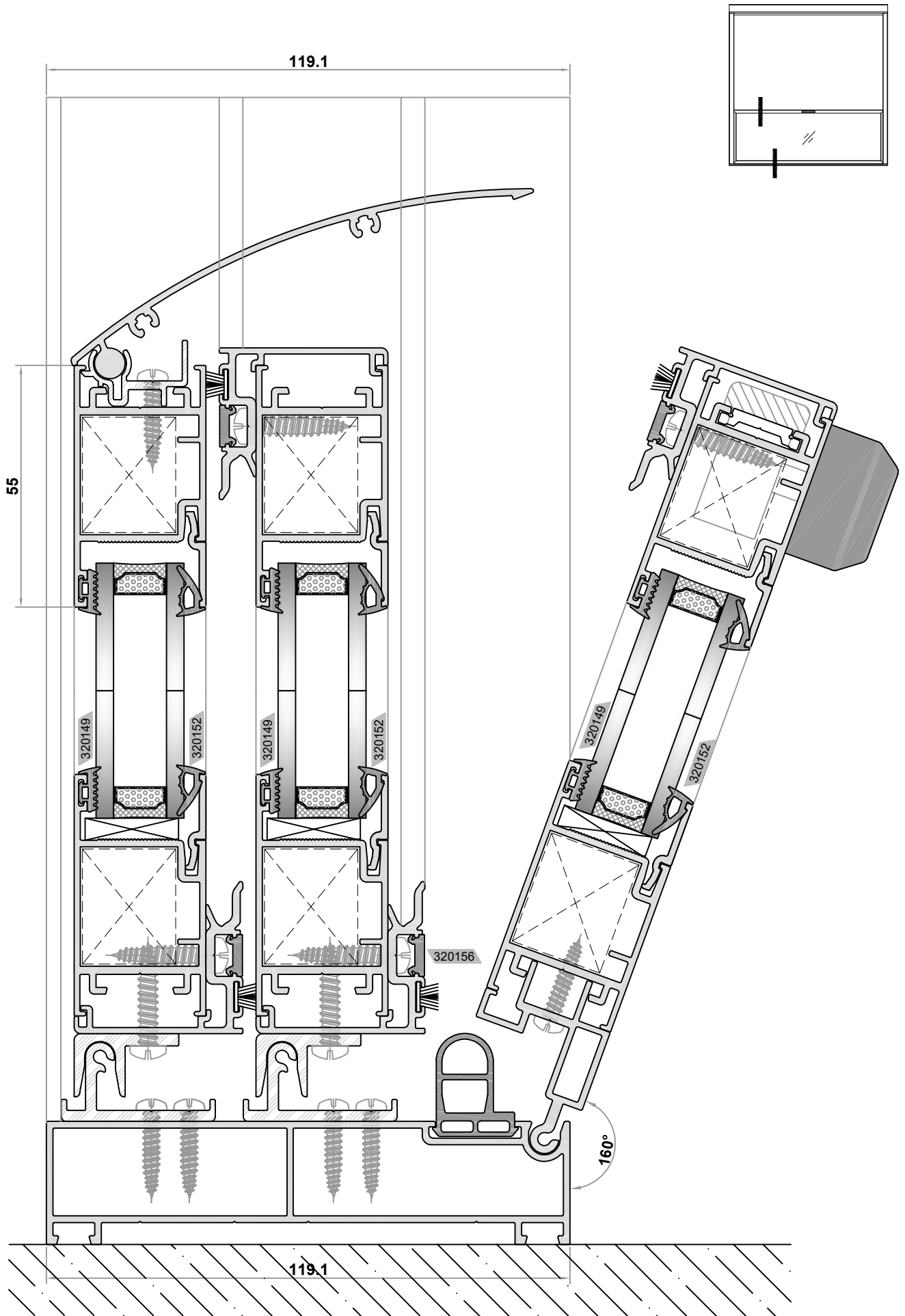


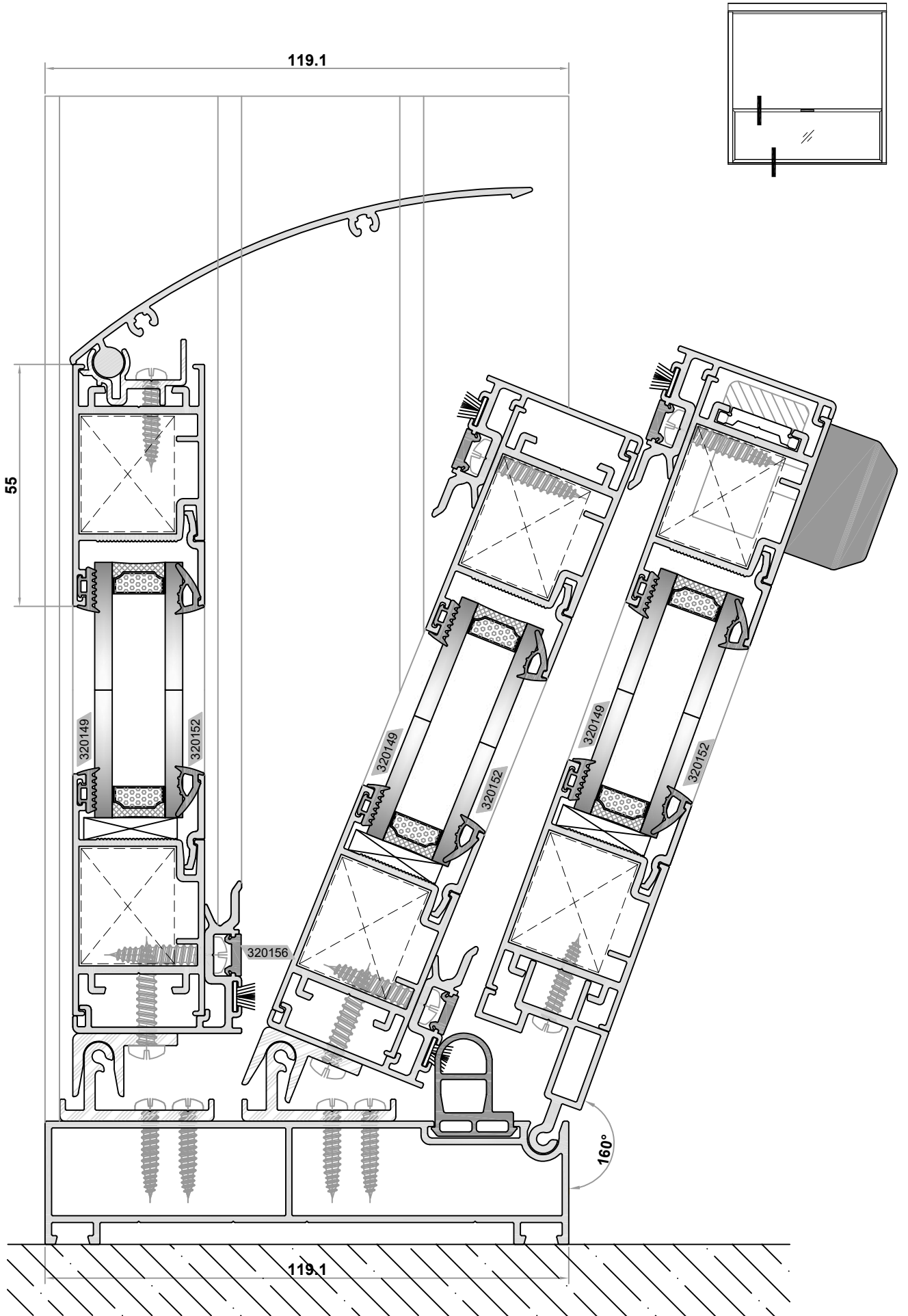


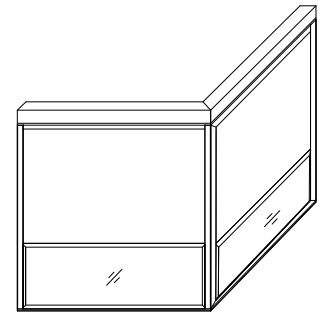
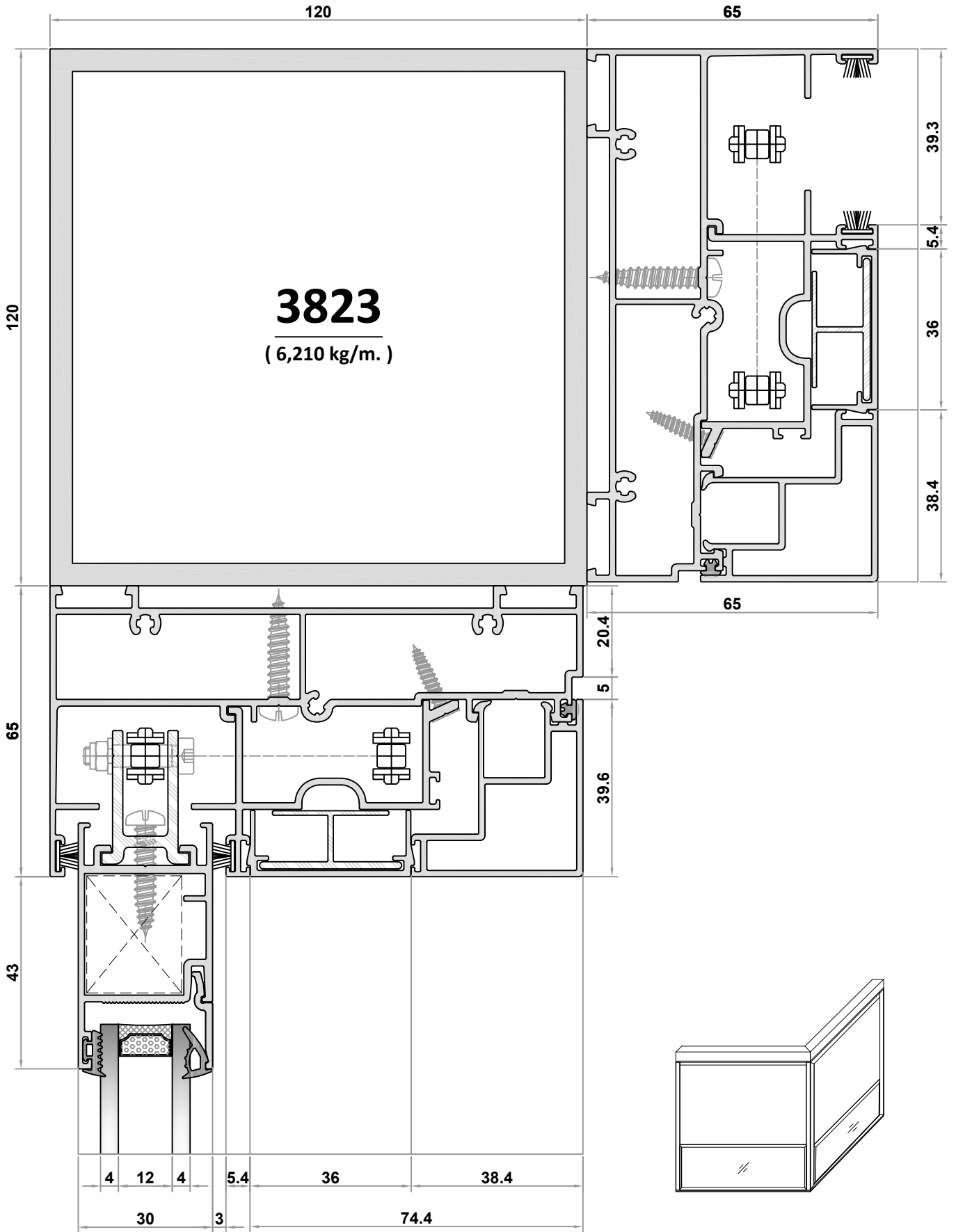
G120 - EASYCLEAN/GUILLOTINE







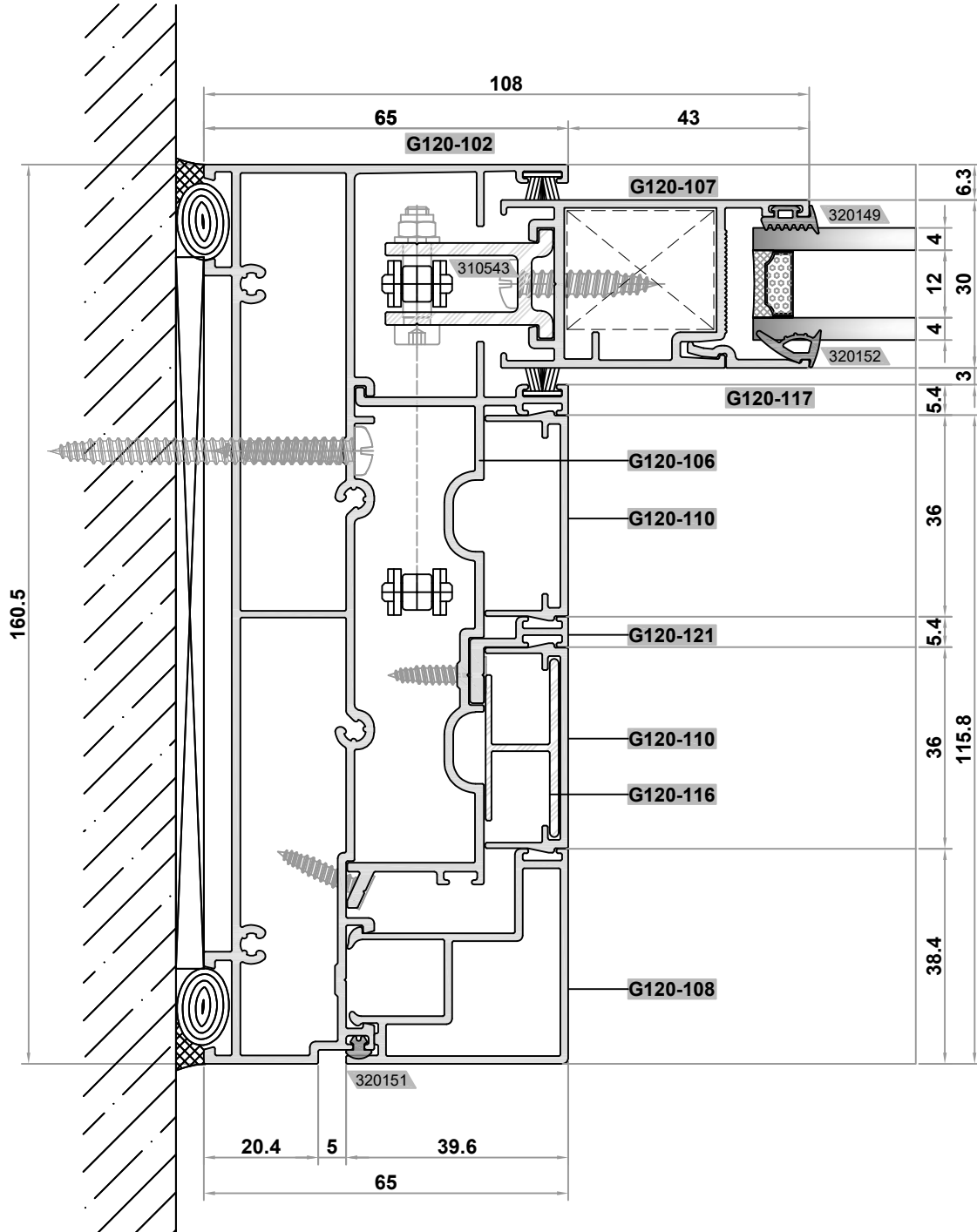
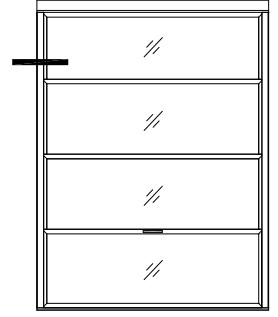


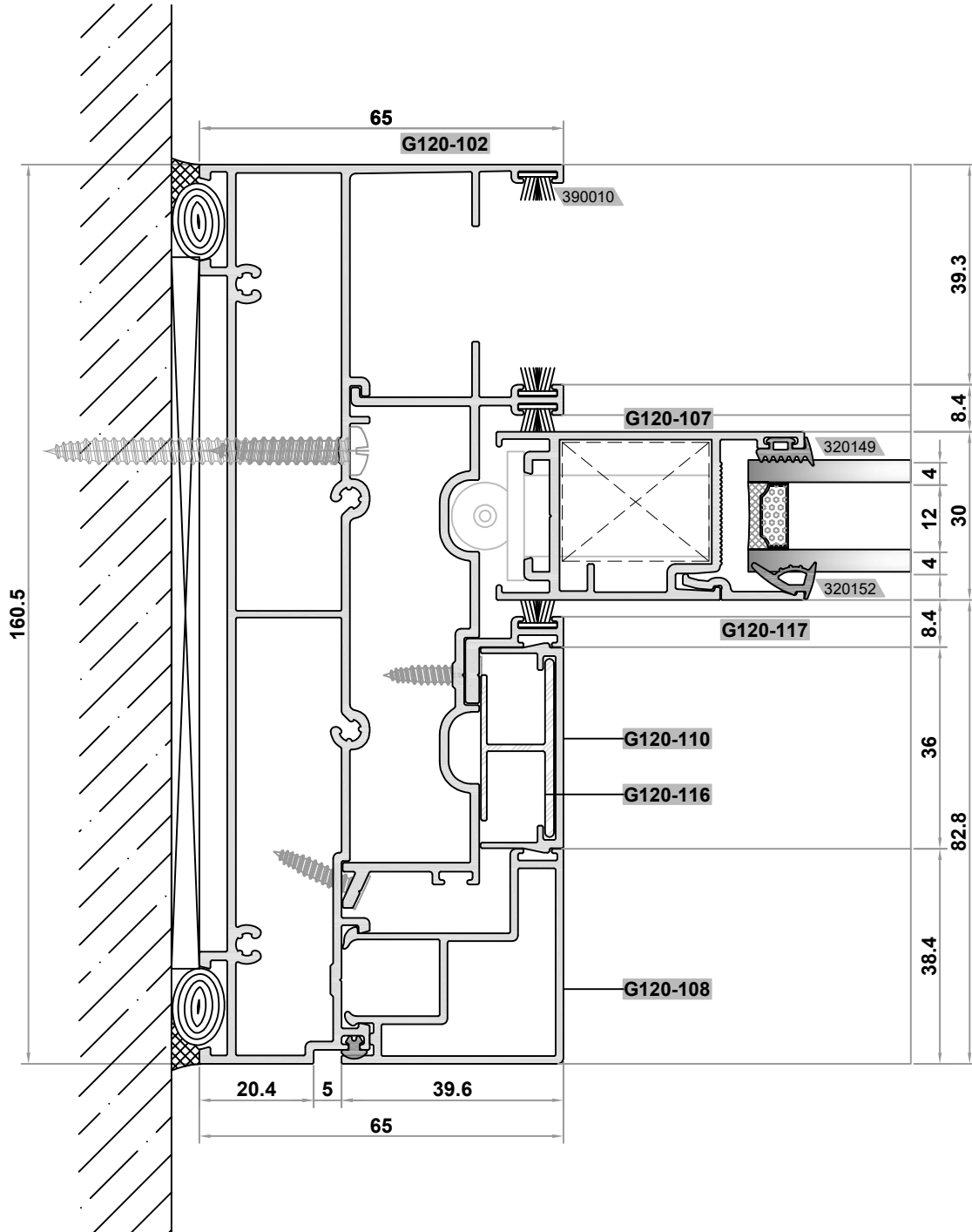
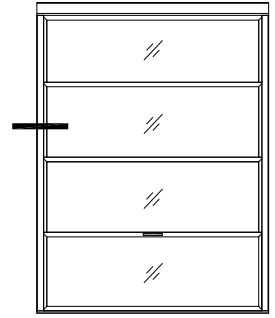


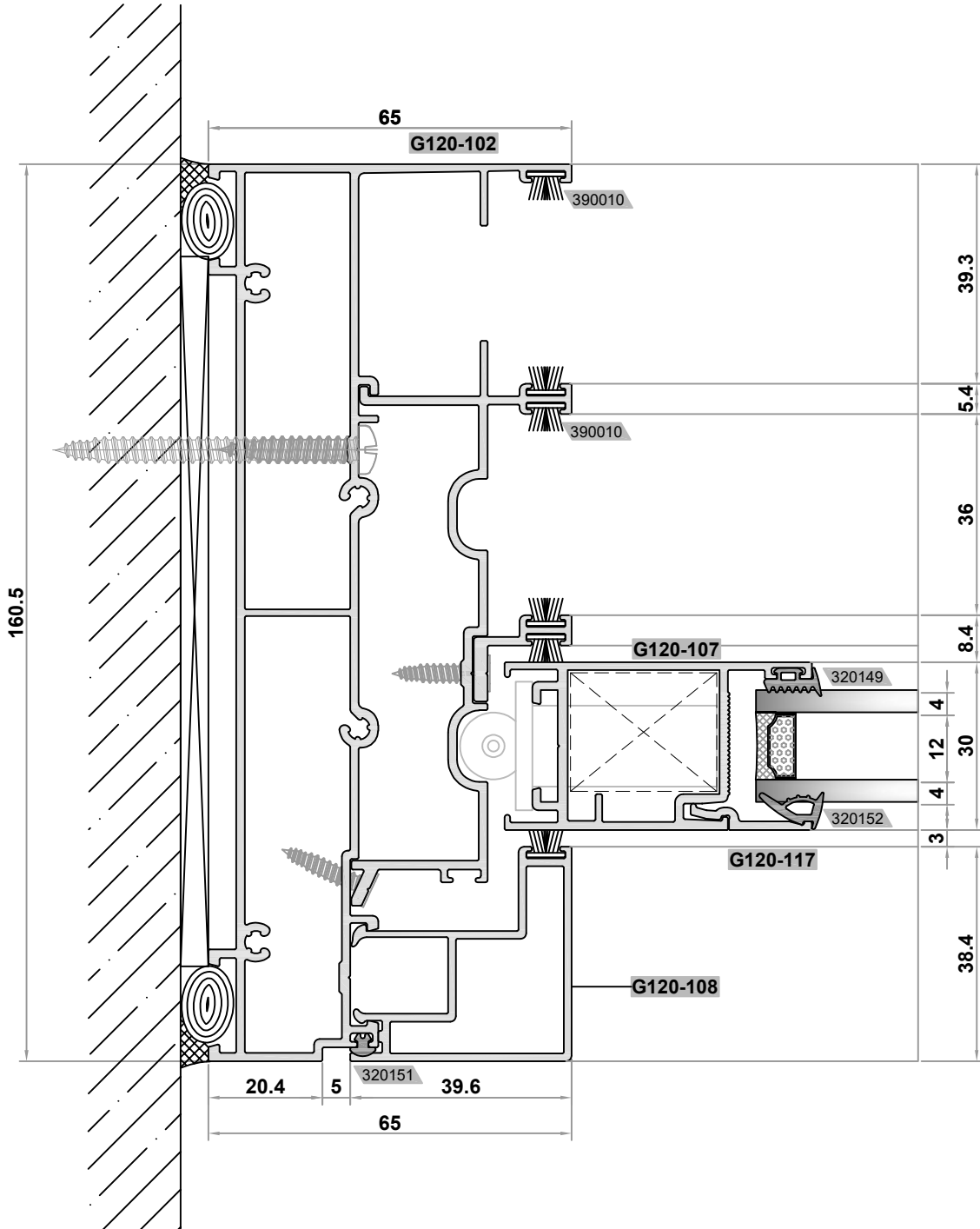
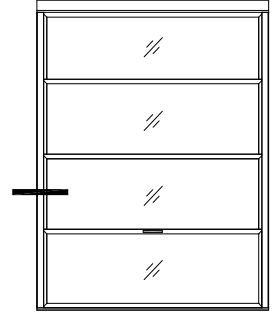
4 KANATLI GİYOTİN DETAYLARI GUILLOTINE DETAILS WITH FOUR SASH

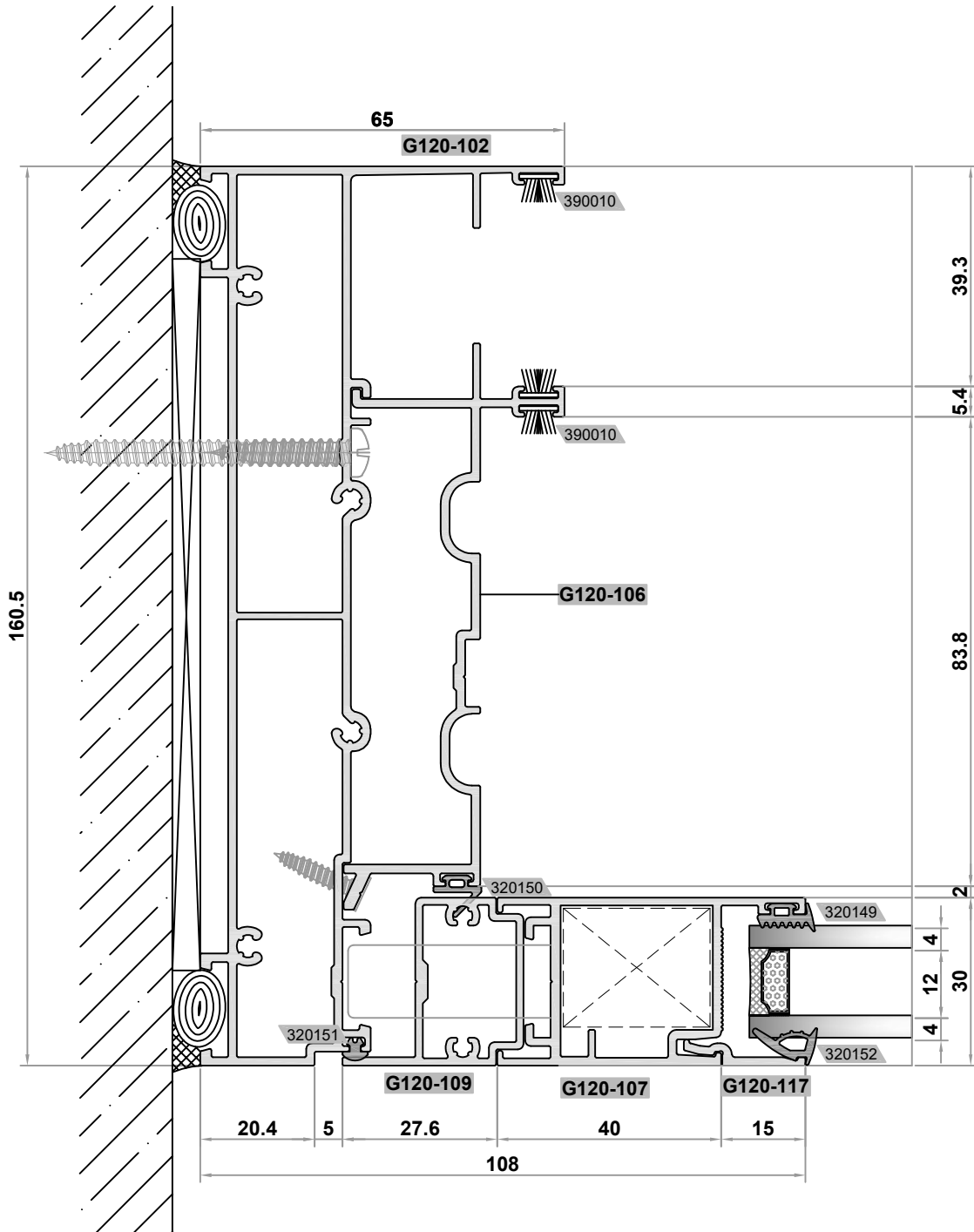
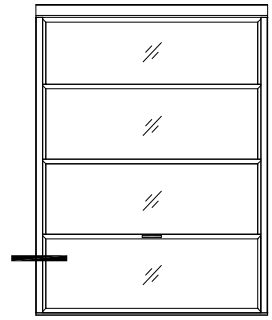


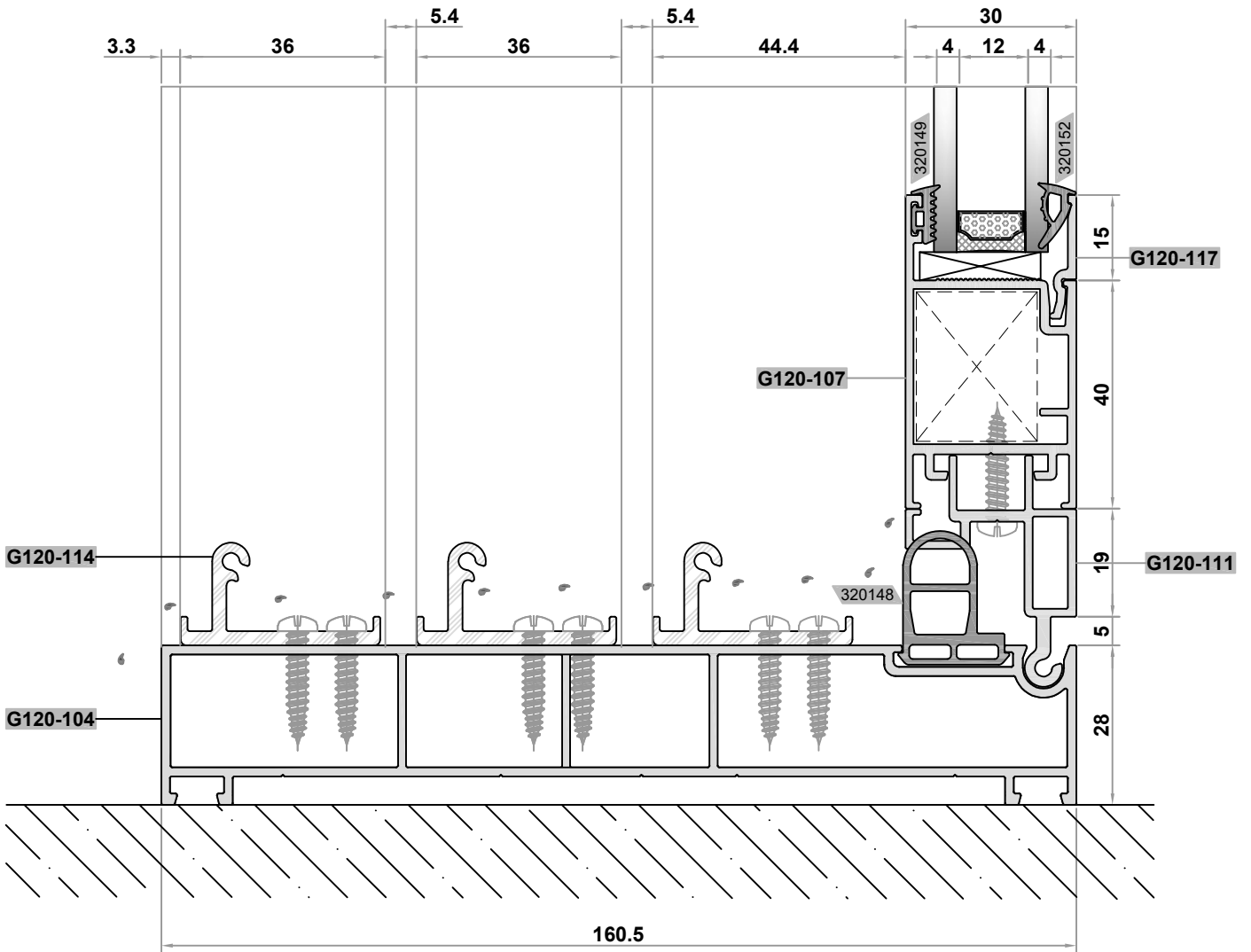
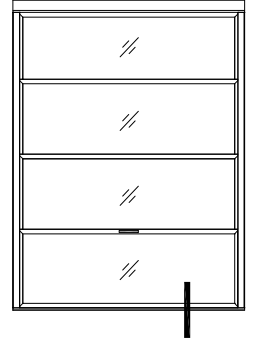
► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

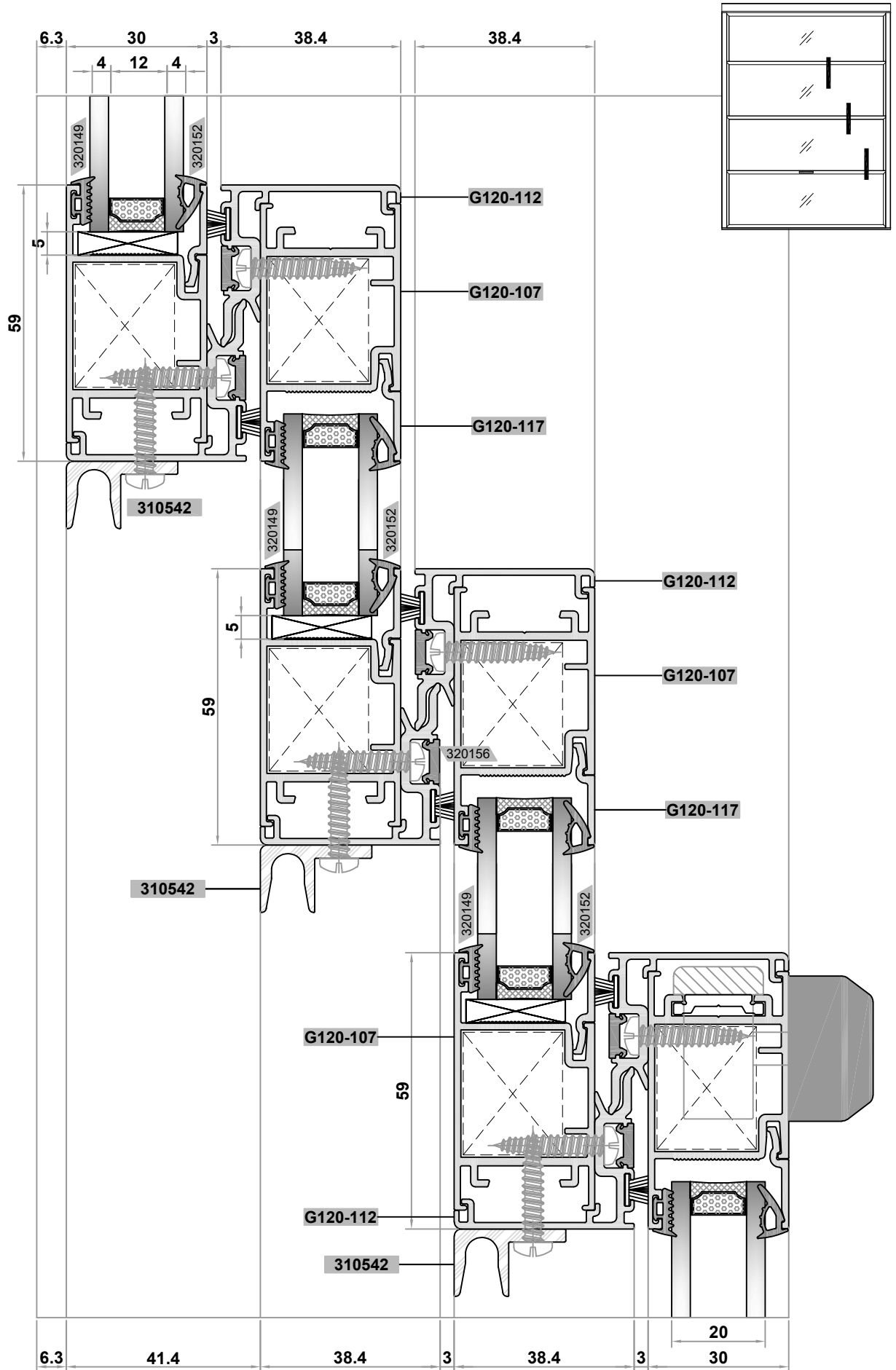


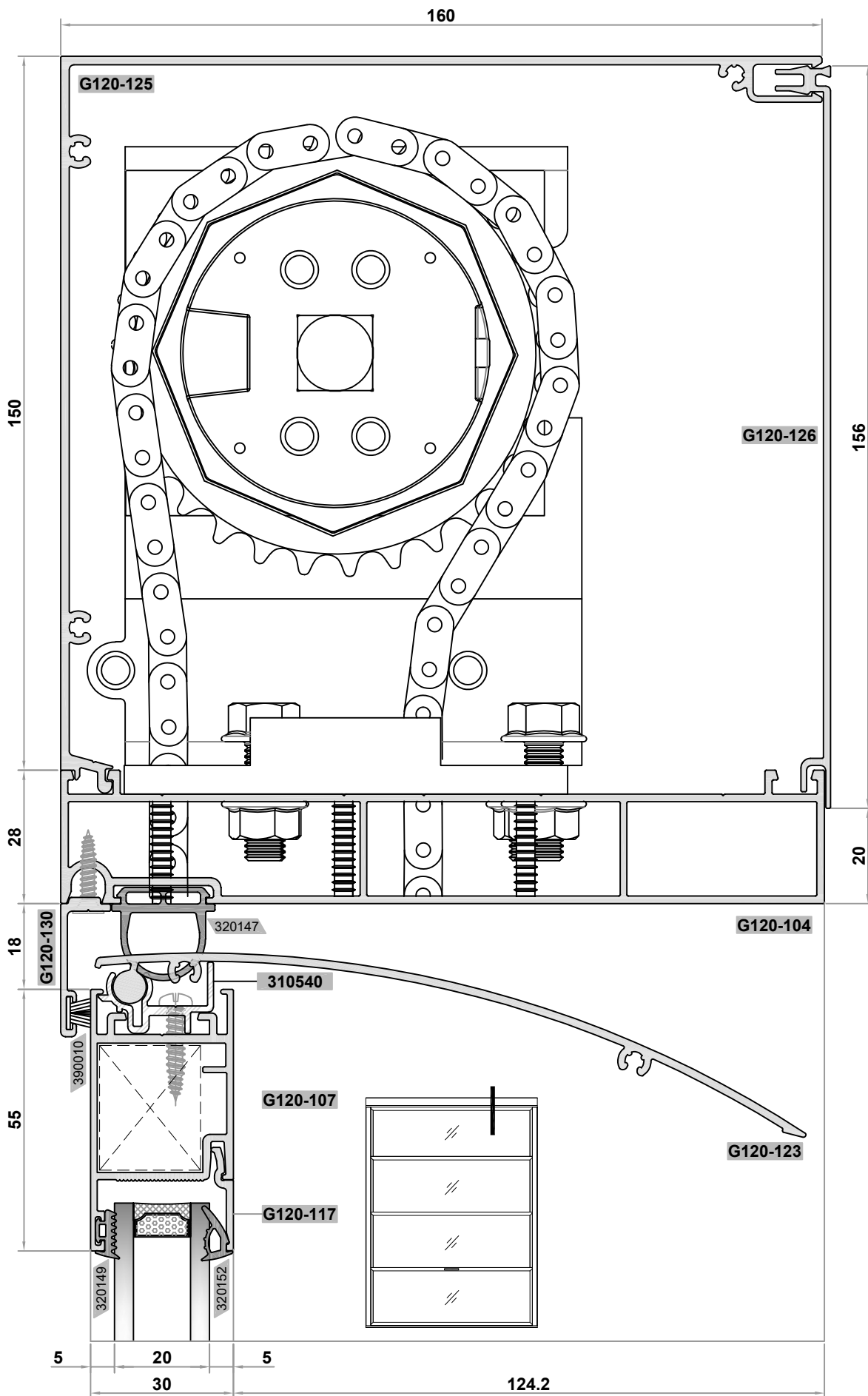


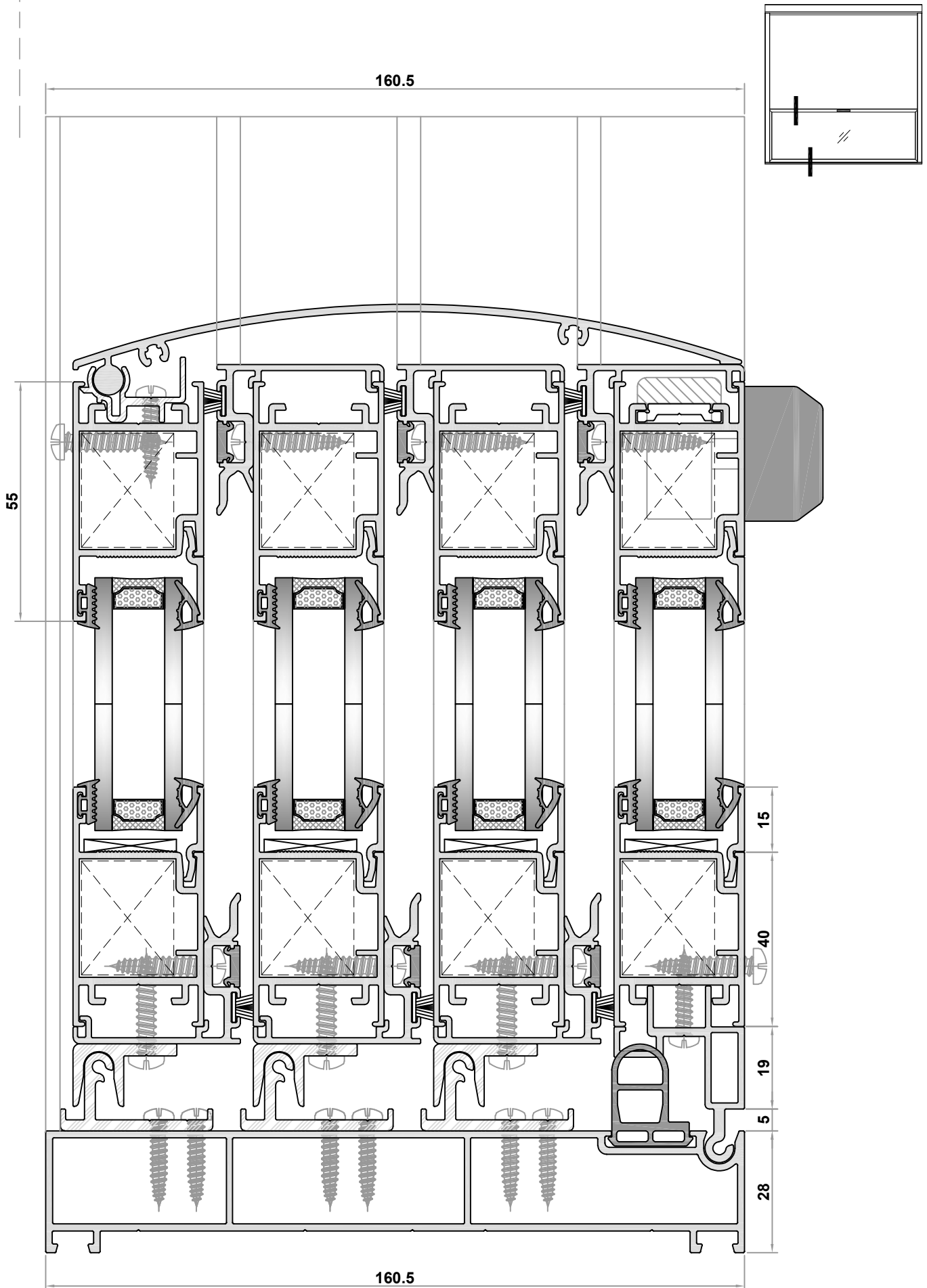


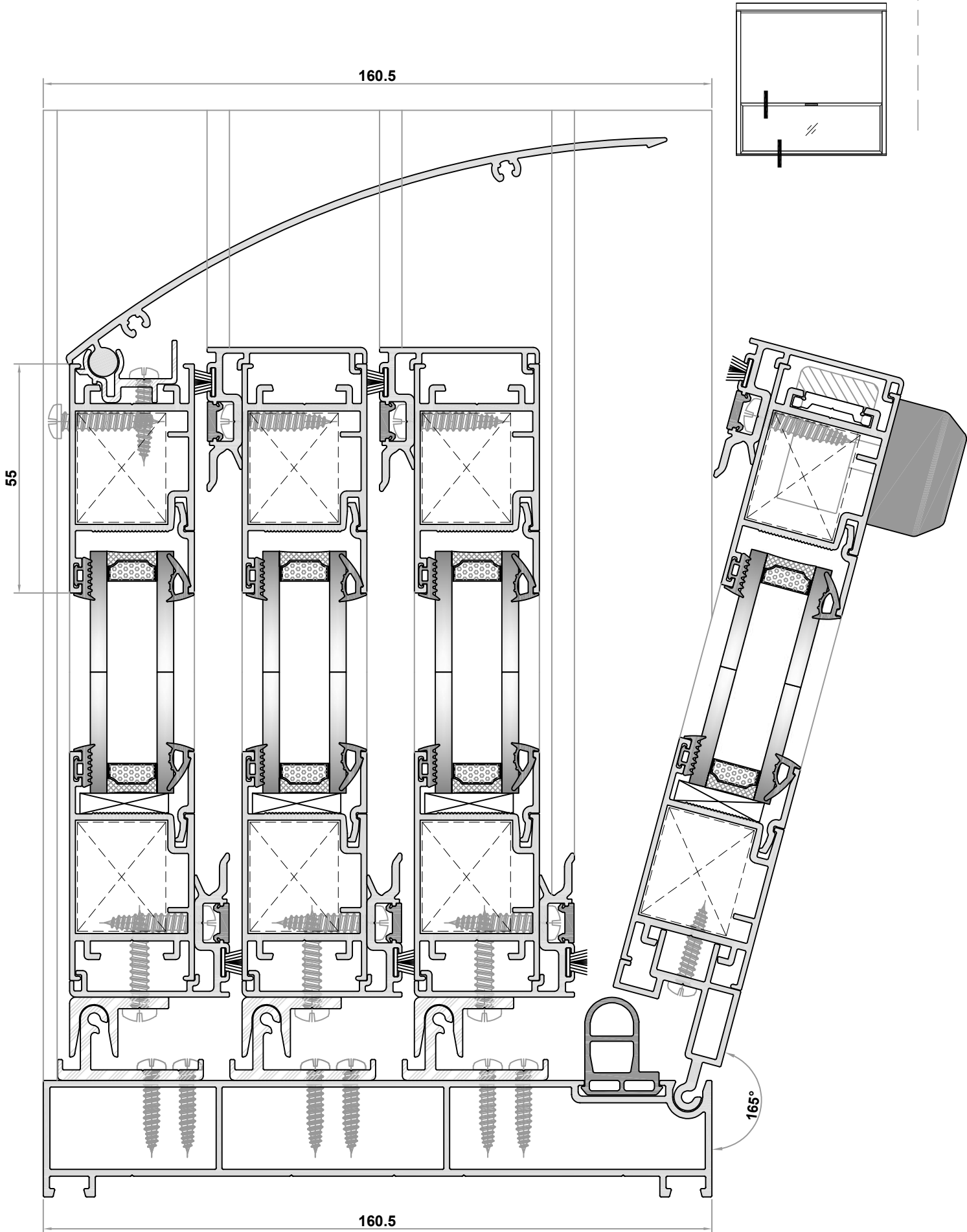


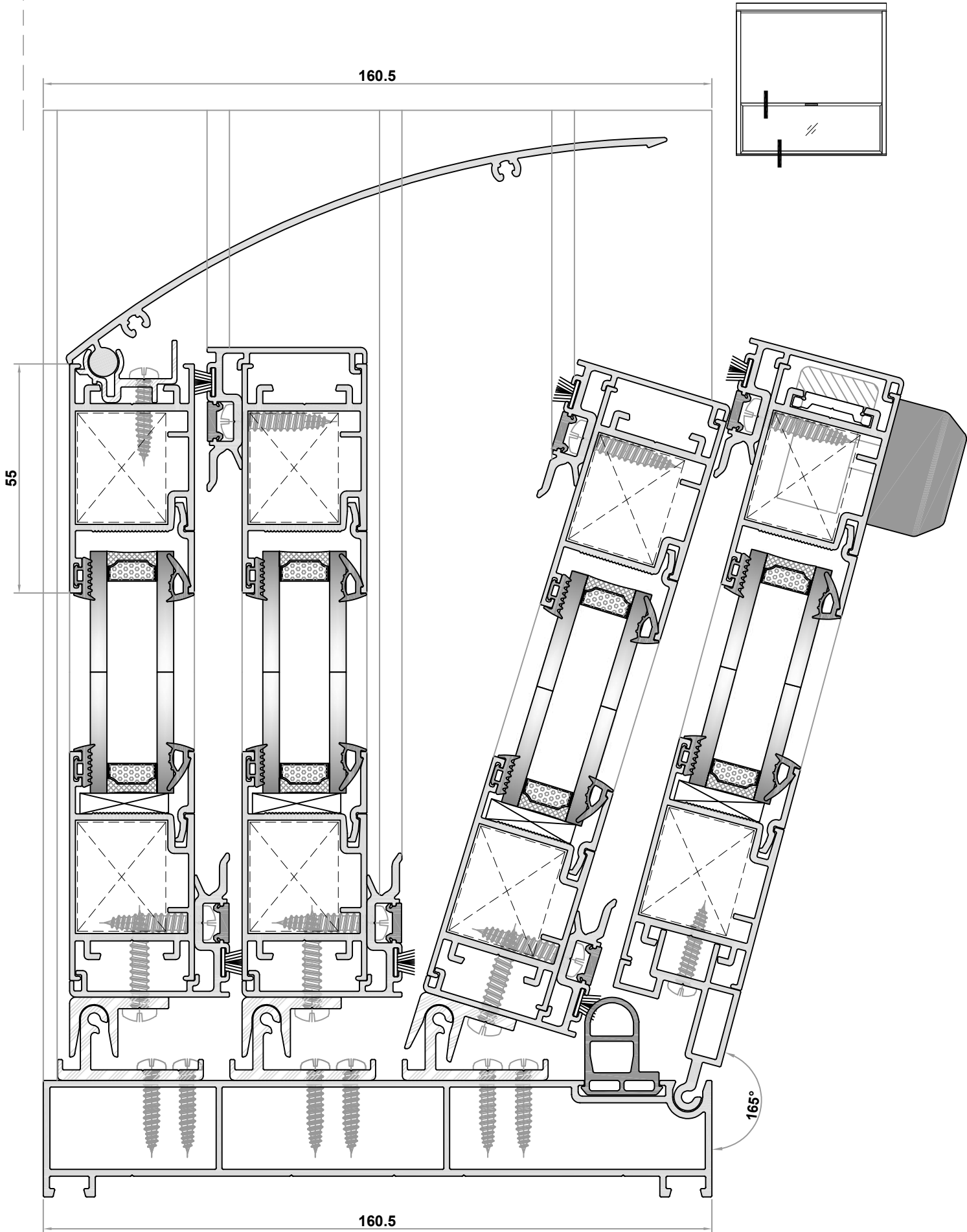


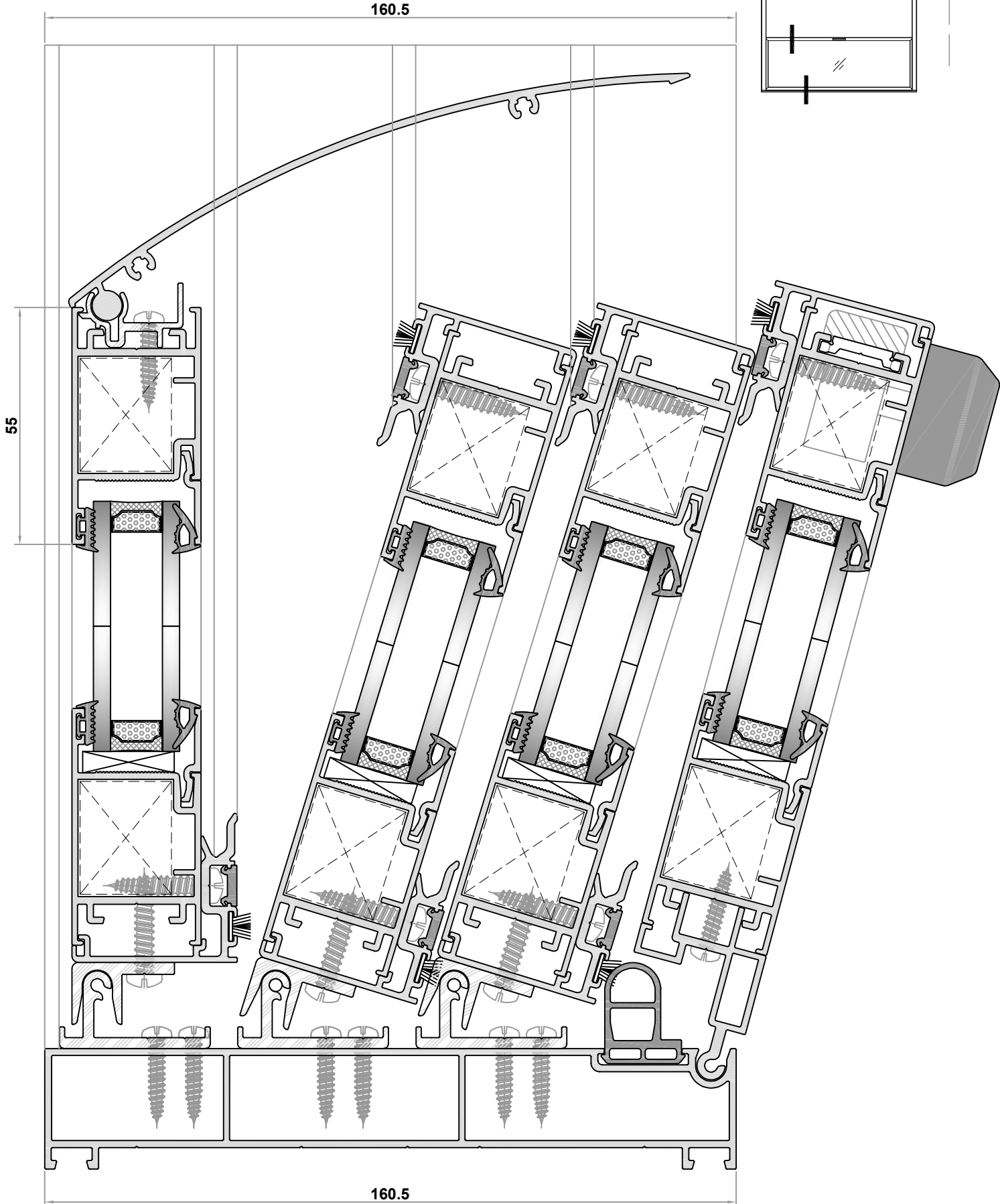








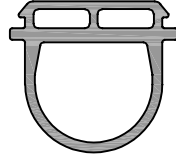
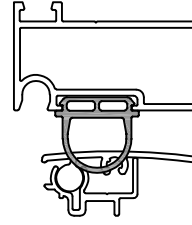
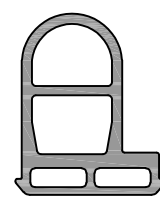
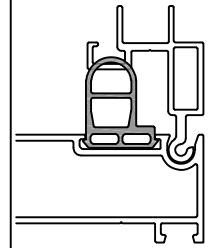
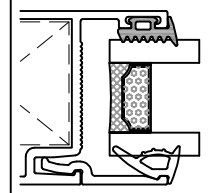
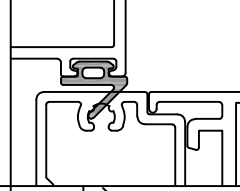
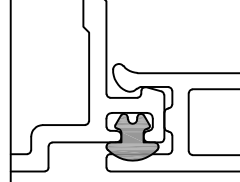
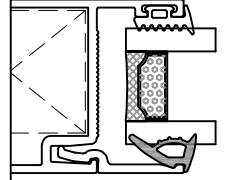
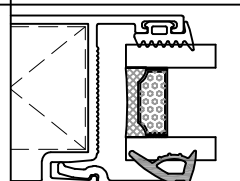
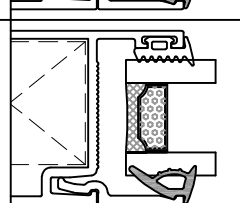




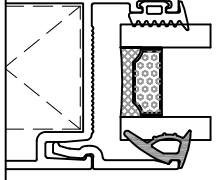
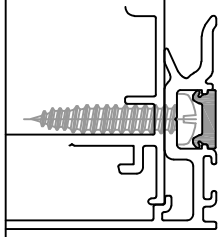
AKSESUARLAR ACCESSORIES

1. EPDM FİTİLLER / EPDM GASKETS
2. PVC ENJEKSİYONLAR / PVC INJECTIONS
3. ALÜMİNYUM AKSESUARLAR / ALUMINIUM ACCESSORIES
4. MEKANİK AKSESUARLAR / MECHANICAL ACCESSORIES

EPDM FİTİLLER / EPDM GASKETS

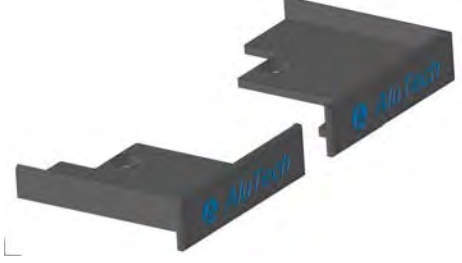
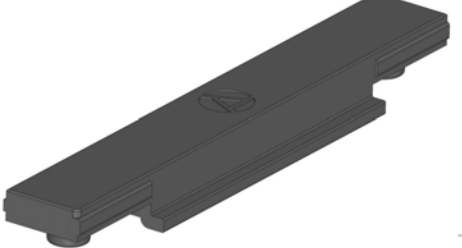
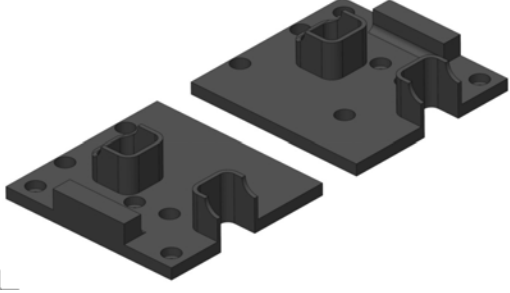
AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	ÇİZİM / DRAWING	TAKILMA BÖLGESİ / APPLICATION AREA
320147 ÜST SIZDIRMAZLIK FİTİLİ / TOP TIGHTNESS GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 151 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 66 m		
320148 ALT SIZDIRMAZLIK FİTİLİ / BOTTOM TIGHTNESS GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 170 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 88 m		
320149 DIŞ CAM FİTİLİ / OUTER GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 34 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 441 m		
320150 KANAT DIŞ BİNİ FİTİLİ / OUTER STEP GASKET FOR SASH BİRİM AĞIRLIK / UNIT WEIGHT: 25 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 6KG / 240 m		
320151 KANAT İÇ BİNİ FİTİLİ / INNER STEP GASKET FOR SASH BİRİM AĞIRLIK / UNIT WEIGHT: 14 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 5 KG / 357m		
320152 İÇ CAM FİTİLİ 3,5 MM / INNER GASKET 3,5 MM BİRİM AĞIRLIK / UNIT WEIGHT: 35 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 428 m		
320153 İÇ CAM FİTİLİ 4,5 MM / INNER GASKET 4,5 MM BİRİM AĞIRLIK / UNIT WEIGHT: 44 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 333 m		
320154 İÇ CAM FİTİLİ 5,5 MM / INNER GASKET 5,5 MM BİRİM AĞIRLIK / UNIT WEIGHT: 54 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 278 m		

EPDM FİTİLLER / EPDM GASKETS

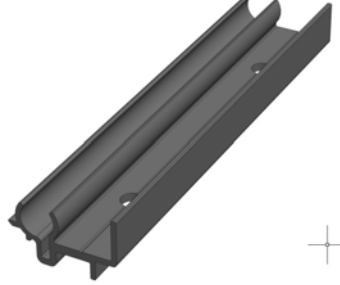
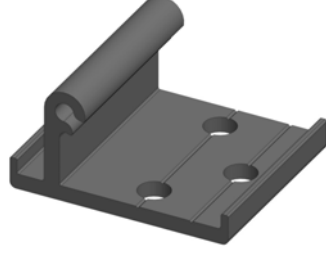
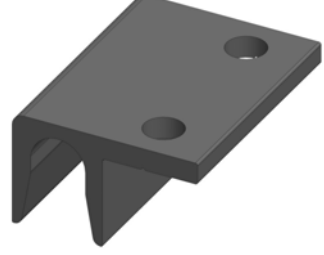
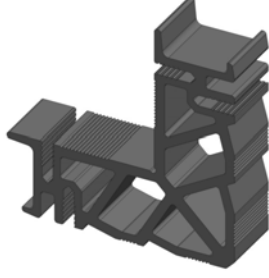
AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	ÇİZİM / DRAWING	TAKILMA BÖLGESİ / APPLICATION AREA
320155 İÇ CAM FİTİLİ 6,5 MM / INNER GASKET 6,5 MM BİRİM AĞIRLIK / UNIT WEIGHT: 65 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 231 m		
320156 VİDA GİZLEME FİTİLİ / SCREW CONCEALER GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 31 gr/m KOLİ MİKTARI / PACKAGE QUANTITY: 483 m		
390010 FİRÇA FİTİ 7 MM / WEATHER STRIP 7 MM BİRİM AĞIRLIK / UNIT WEIGHT KOLİ MİKTARI / PACKAGE QUANTITY		



PVC ENJEKSİYONLAR / PVC INJECTIONS

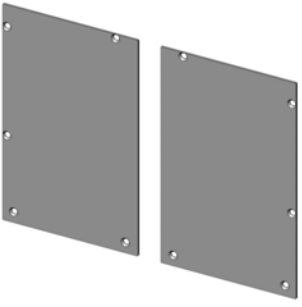
AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
350071 AÇILIR KANAT ADAPTÖRÜ İÇİN ÜST KAPAKLAR TOP PLUGS FOR THE OPENING SASH ADAPTER	
350072 TİJ UCU KİLİTLEME PARÇASI LOCKING PIECE FOR THE ROD END	
350073 HAREKETLİ KAPAK İÇİN YAN KAPAMA PARÇALARI (3 KANATLI SİSTEM) SIDE COVERAGE PLUGS FOR THE ACTIVE CAP PROFILE (3 SASHES SYSTEM)	
350074 HAREKETLİ KAPAK İÇİN YAN KAPAMA PARÇALARI (4 KANATLI SİSTEM) SIDE COVERAGE PLUGS FOR THE ACTIVE CAP PROFILE (4 SASHES SYSTEM)	
350076 ANKRAJ İÇİN ALT BESLEME TAKOZU TAKIMI BOTTOM SUPPORTER PLUG KIT FOR ANCHORAGE	

ALÜMİNYUM AKSESUARLAR / ALUMINIUM ACCESSORIES

AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
310540 ÜST KAPAK PROFİLİ İÇİN BAĞLANTI PARÇASI CONNECTION PIECE FOR THE TOP COVER PROFILE	
310541 KASA İÇİN ALT TAKOZ MENTEŞE PARÇASI BOTTOM WEDGE HINGE PIECE FOR THE FRAME	
310542 KANAT İÇİN ÜST TAKOZ MENTEŞE PARÇASI TOP WEDGE HINGE PIECE FOR THE SASH	
310543 ZİNCİR BAĞLANTI PARÇASI CONNECTION PIECE FOR THE CHAIN	
310545 KÖŞE BİRLEŞTİRME TAKOZU : 21,2 MM CORNER CLEATS 21,2 MM	



MEKANİK AKSESUARLAR / MECHANICAL ACCESSORIES

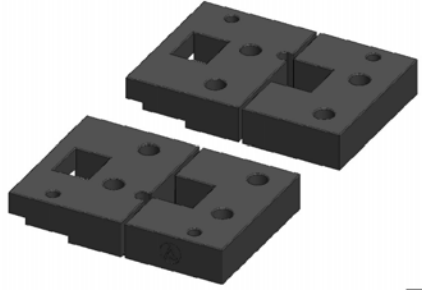
AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
360094 ANKRAJ TAKIMI ANCHORAGE KIT	
360095 MOTOR KUTUSU İÇİN ALÜMİNYUM YAN KAPAKLAR (3 KANATLI SİSTEM) ALUMINIUM SIDE COVERS FOR MOTOR BOX (3 SASHES SYSTEM)	
360103 MOTOR KUTUSU İÇİN ALÜMİNYUM YAN KAPAKLAR (4 KANATLI SİSTEM) ALUMINIUM SIDE COVERS FOR MOTOR BOX (4 SASHES SYSTEM)	
360106 ZİNCİR BASKI AYAR PARÇASI CHAIN PRESSURE ADJUSTMENT PIECE	
360096 ZİNCİR DIŞLISI CHAIN GEAR	

MEKANİK AKSESUARLAR / MECHANICAL ACCESSORIES

AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
470386 (370386) GİZLİ TUTAMAKLI KOL (7mm KARE MAÇALI) <i>HIDDEN HANDLE (7mm SQUARE PIN)</i>	
470387 (370387) KOL HAREKET İLETİMİ İÇİN İÇ MEKANİZMA (7mm KARE MAÇALI-DAR TİP) <i>INNER MECHANISM FOR THE HANDLE</i> <i>MOVEMENT TRANSMISSION</i> <i>(7mm SQUARE PIN-NARROW TYPE)</i>	
470361 (370361) KALE MAKARALI GÖMME KİLİT: 155 U 20 <i>KALE EMBEDDED LOCK WITH ROLLER: 155 U 20</i>	
470109 (370109) KALE VASİSTAS MAKAS (15cm) <i>KALE TOP HUNG FRICTION STAY (15cm)</i>	
460099 (360099) 3 M 460100 (360100) 4,5 M 460101 (360101) 6 M 06B-1 KARBON ÇELİK ZİNCİR <i>06B-1 CARBON STEEL CHAIN</i>	



MEKANİK AKSESUARLAR / MECHANICAL ACCESSORIES

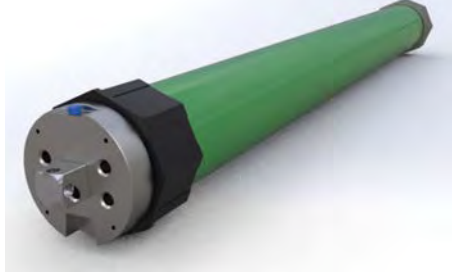
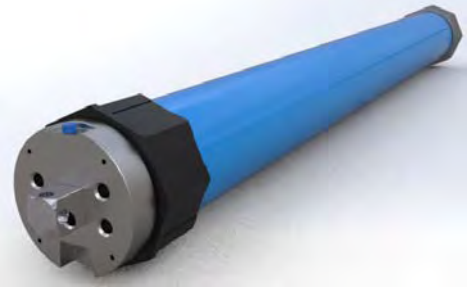
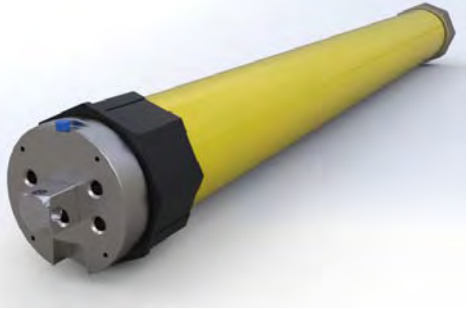
AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
360107 RULMANLI TAMBUR BAŞI OCTAGON PIPE HEAD WITH BALL BEARING	
360052 7 M 360051 6 M 460050 5 M 70mm SEKİZGEN GALVANİZ TAMBUR 70mm GALVANISED OCTAGON PIPE Not: 3,5 metre genişliğin üzerinde sekizgen tambur boruya burulma engelleyici takviye konulması gerekmektedir.	
350078 ÜST KASA PROFİLİ İÇİN BESLEME TAKOZU TAKIMI SUPPORTER WEDGE KIT FOR TOP FRAME PROFILE	
370420 G120 HAVUZ KOL RECESSED PULLER	

MEKANİK AKSESUAR / MECHANICAL ACCESSORIES

AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
490024 (390024) 1 KANALLI 490025 (390025) 4 KANALLI 490026 (390026) 16 KANALLI LCF GİYOTİN KUMANDALARI FCF GUILLOTINE CONTROLS	
490014 (390014) 1 KANALLI 490015 (390015) 5 KANALLI 490016 (390016) 10 KANALLI BECKER GİYOTİN KUMANDALARI BECKER GUILLOTINE CONTROLS	
490097 (390097) 1 KANALLI 490098 (390098) 5 KANALLI 490099 (390099) 16 KANALLI SOMFY GİYOTİN KUMANDALARI SOMFY GUILLOTINE CONTROLS	

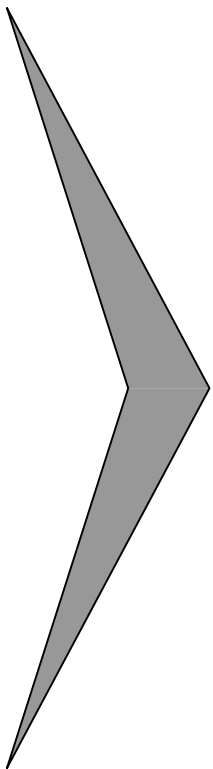
MOTOR TAŞIMA KAPASİTELERİ / CARRIAGE CAPACITY OF THE MOTOR

	ÜÇ KANATLI GİYOTİN SİSTEM TRIPLE SASH GUILLOTINE SYSTEM	DÖRT KANATLI GİYOTİN SİSTEM QUADRUPLE SASH GUILLOTINE SYSTEM
MOTOR GÜCÜ POWER OF THE MOTOR	TEK KANADIN MAKSİMUM CAM AĞIRLIĞI MAXIMUM GLASS WEIGHT OF THE SINGLE SASH	TEK KANADIN MAKSİMUM CAM AĞIRLIĞI MAXIMUM GLASS WEIGHT OF THE SINGLE SASH
50 Nm	33 Kg	22 Kg
70 Nm	47 Kg	31 Kg
80 Nm	54 Kg	36 Kg
85 Nm	57 Kg	38 Kg
100 Nm	67 Kg	45 Kg
120 Nm	80 Kg	54 Kg
140 Nm	94 Kg	62 Kg
180 Nm	120 Kg	80 Kg

AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES	AKSESUAR KODU, ÜRÜN BİLGİLERİ VE GÖRSELLER / ACCESSORY CODE, PRODUCT DESCRIPTION AND IMAGES
490023 (390023) 180 Nm 490022 (390022) 140 Nm 490021 (390021) 120 Nm 490020 (390010) 100 Nm LCF GİYOTİN MOTORLARI LCF GUILLOTINE MOTORS	
490096 (390096) 120 Nm 490095 (390095) 100 Nm 490094 (390094) 85 Nm 490093 (390093) 70 Nm 490092 (390092) 50 Nm SOMFY GİYOTİN MOTORLARI SOMFY GUILLOTINE MOTORS	
490012 (390012) 80 Nm 490013 (390013) 120 Nm BECKER GİYOTİN MOTORLARI BECKER GUILLOTINE MOTORS	

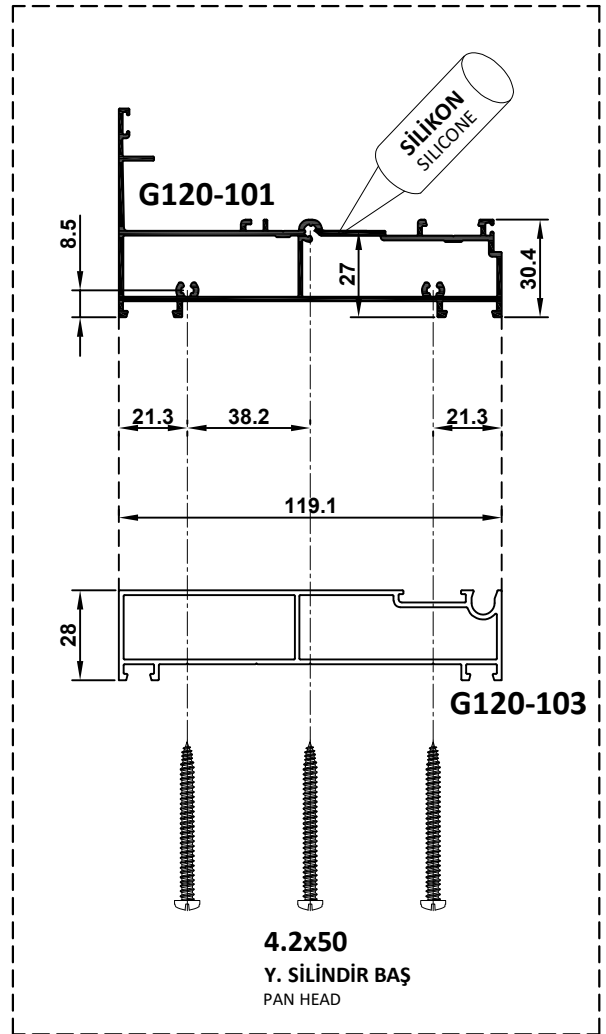
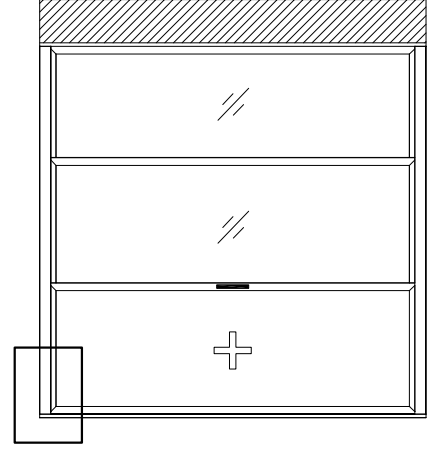
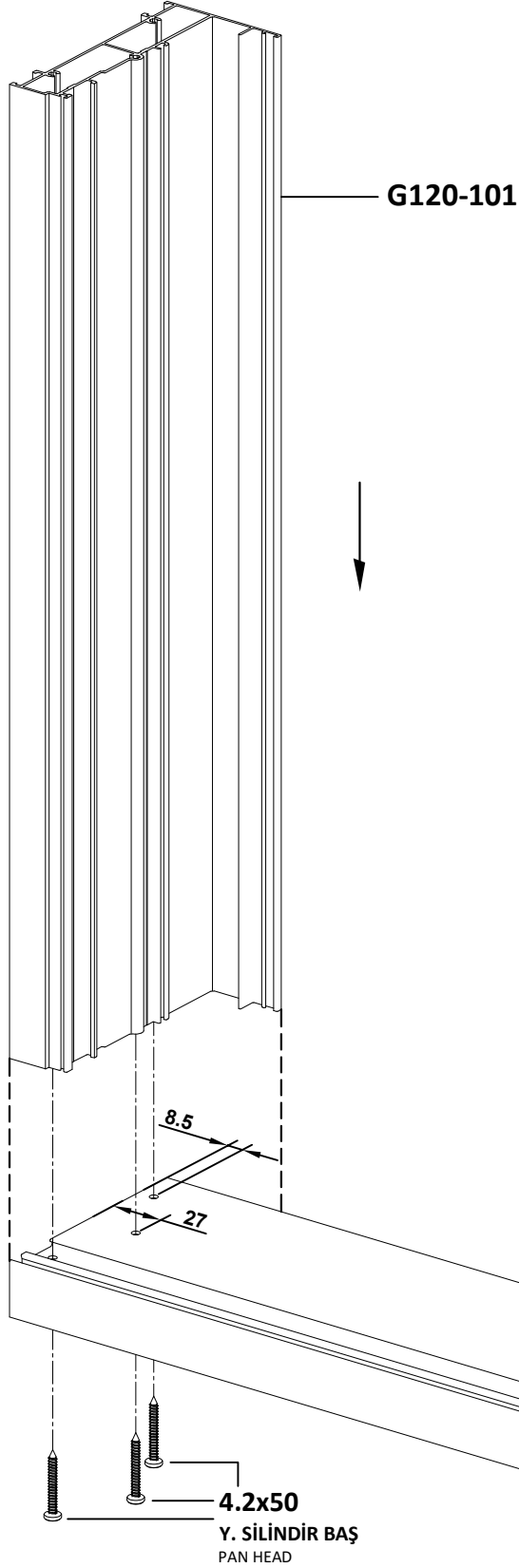
MONTAJ TALİMATLARI

FABRICATION MANUAL



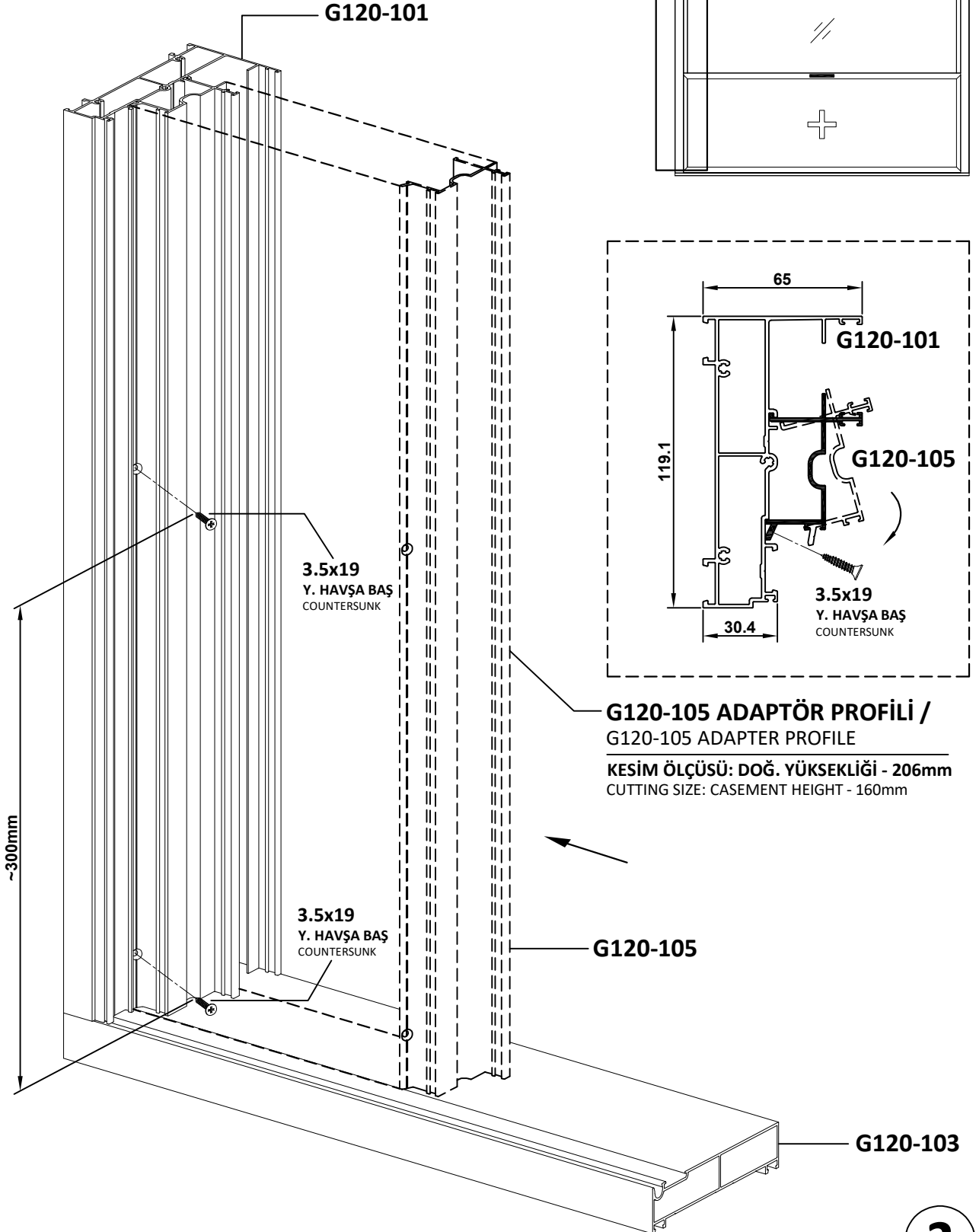
► SİSTEM ALÜMİNYUM® KATALOG İÇERİSİNDEKİ VERİLERDE DÜZELTME VEYA DEĞİŞİKLİK YAPMA HAKKINA SAHİPTİR.
SİSTEM ALÜMİNYUM® HAS THE RIGHTS TO MAKE CORRECTION OR MODIFICATION IN THE CATALOGUE DATA.

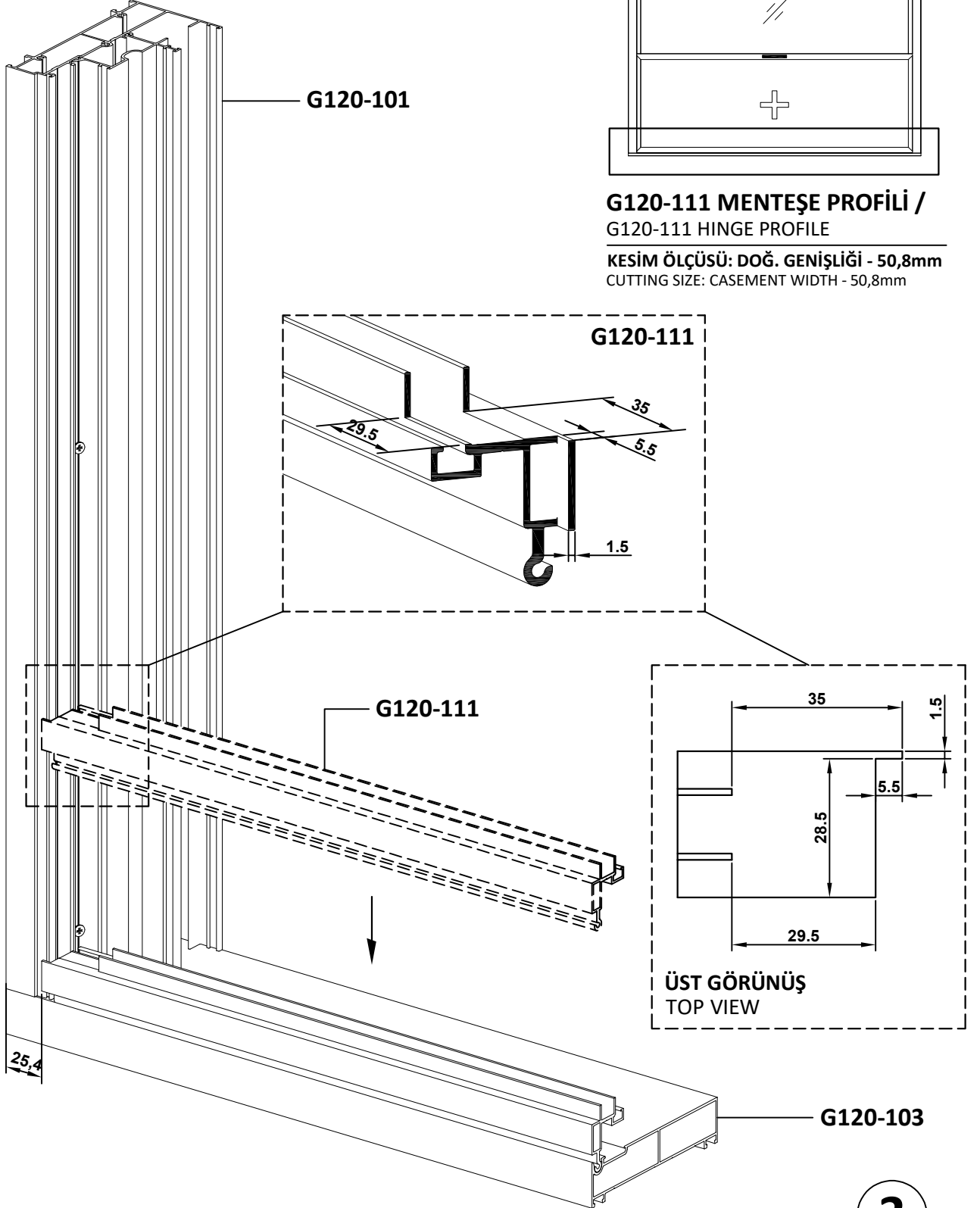
ALT - YAN KASA BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE BOTTOM - SIDE FRAME



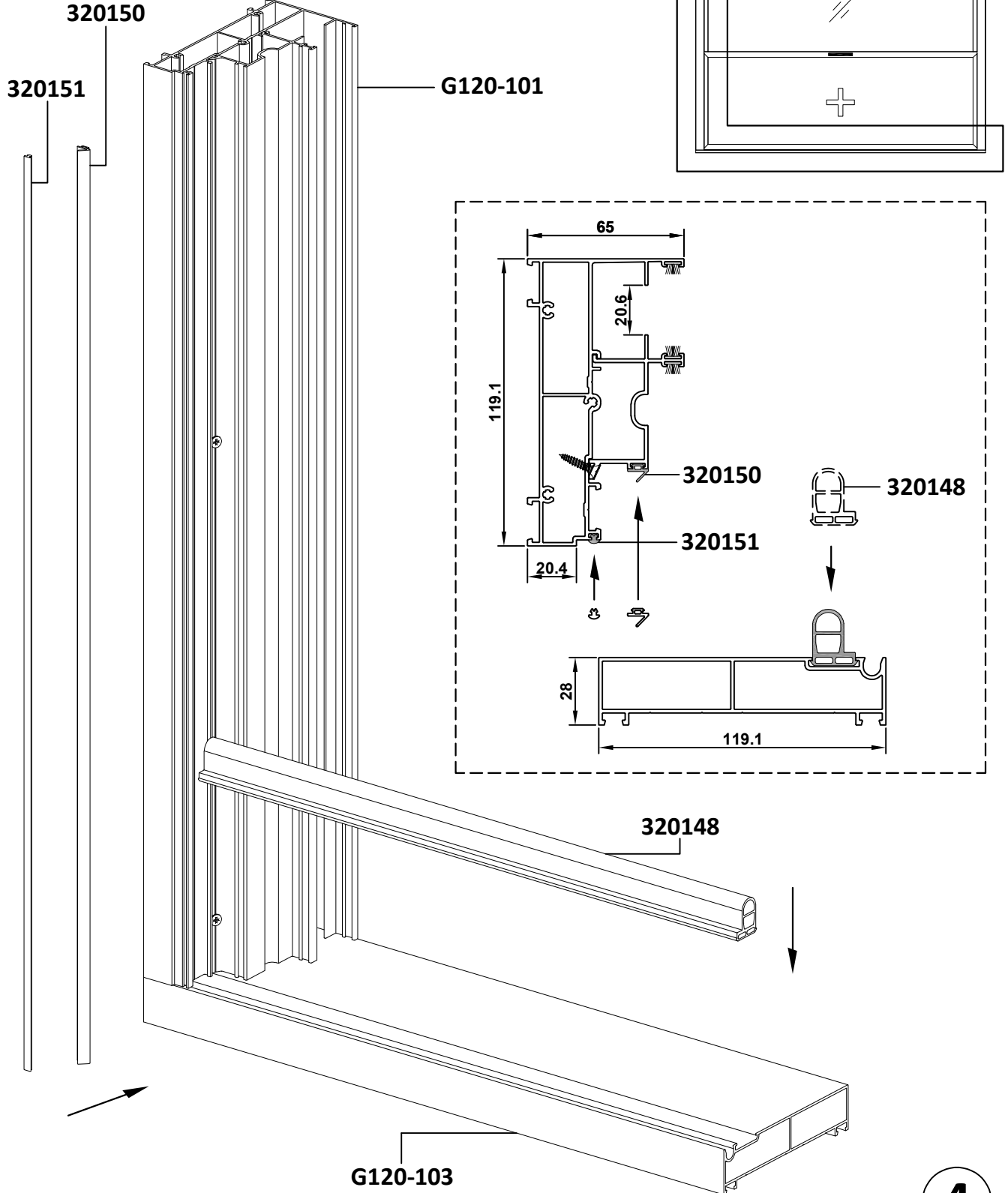
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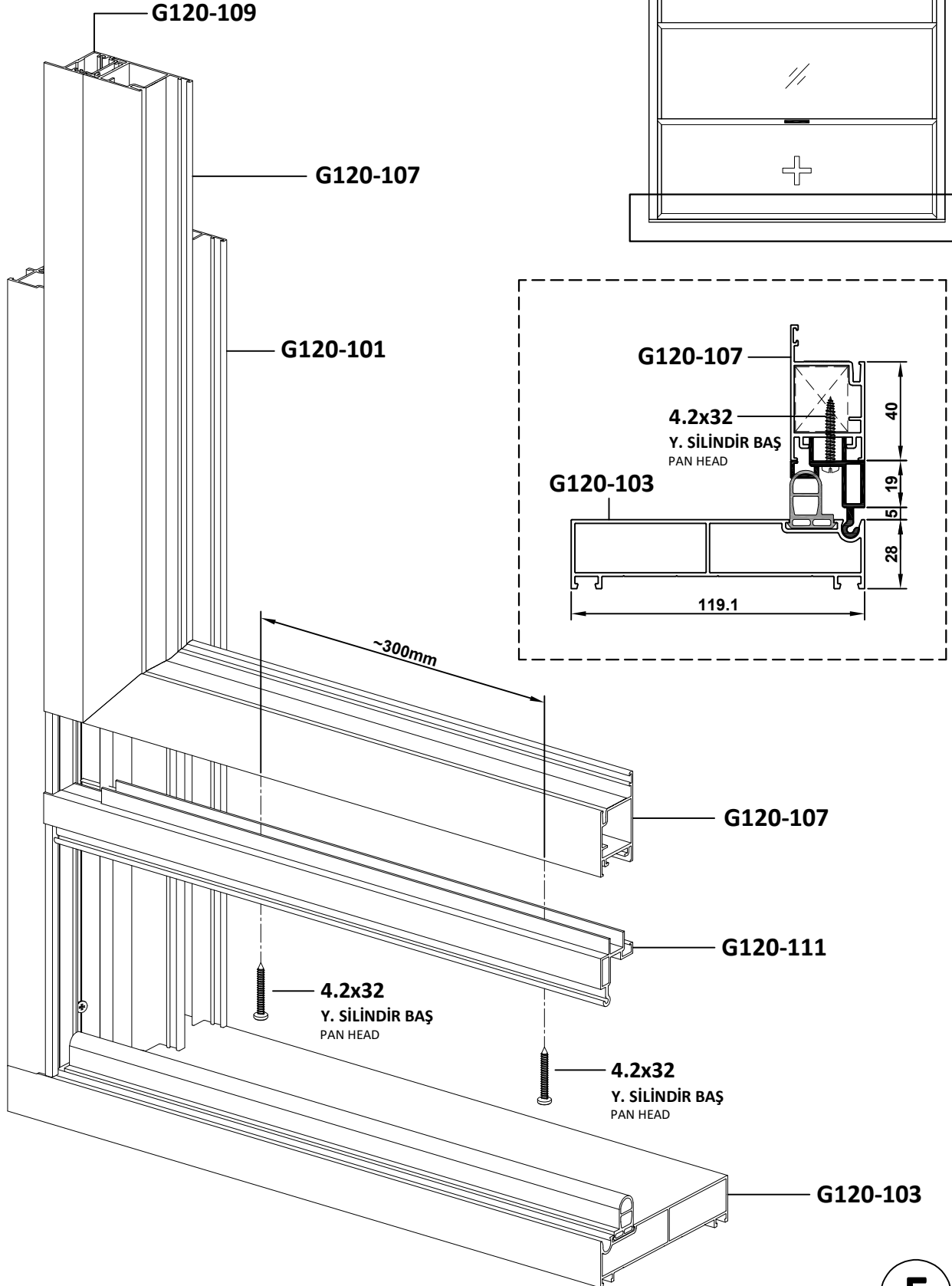
YAN KASA ADAPTÖRÜ BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE SIDE FRAME ADAPTER



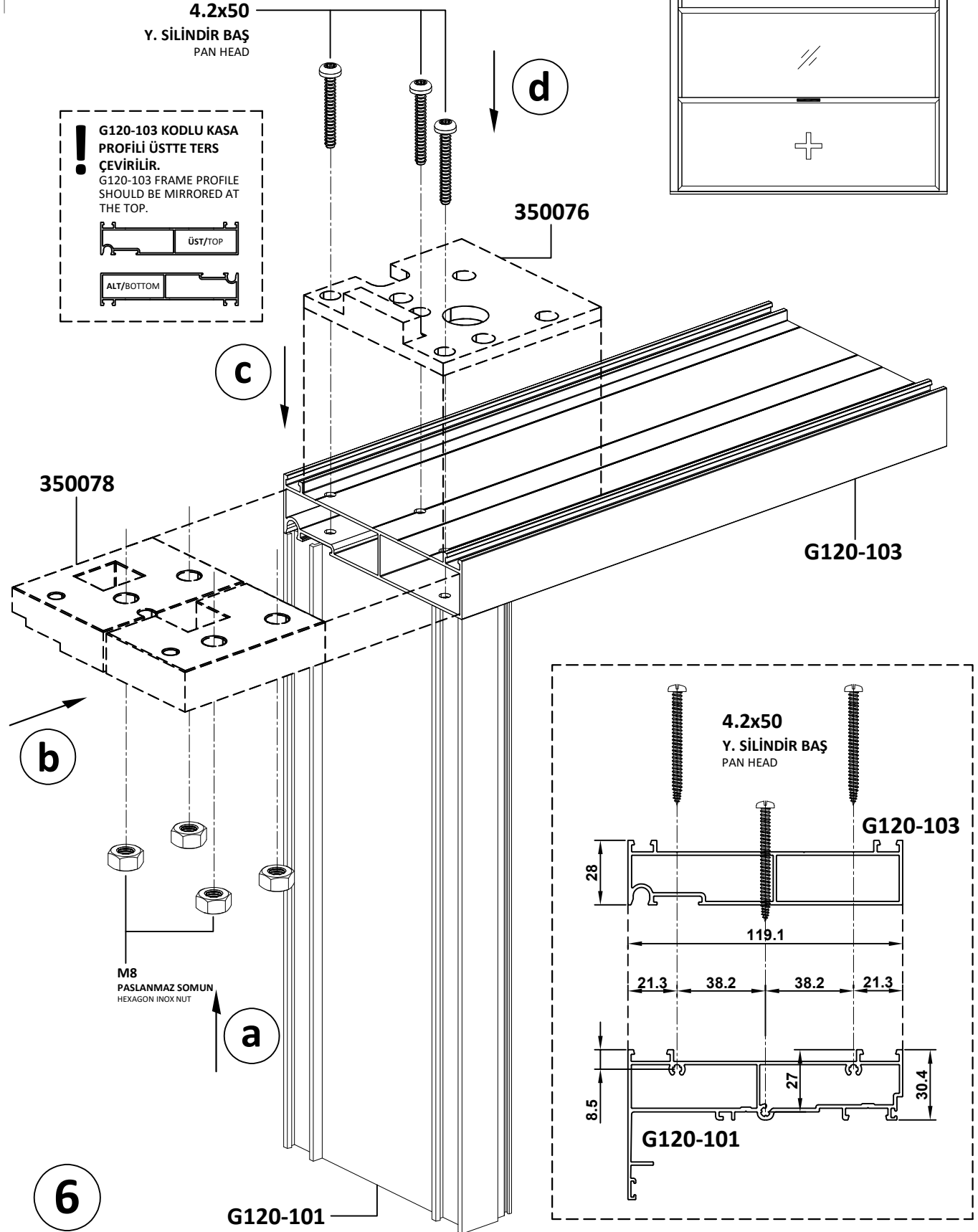
ALT MENTEŞE PROFİLİ BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE BOTTOM HINGE PROFILE

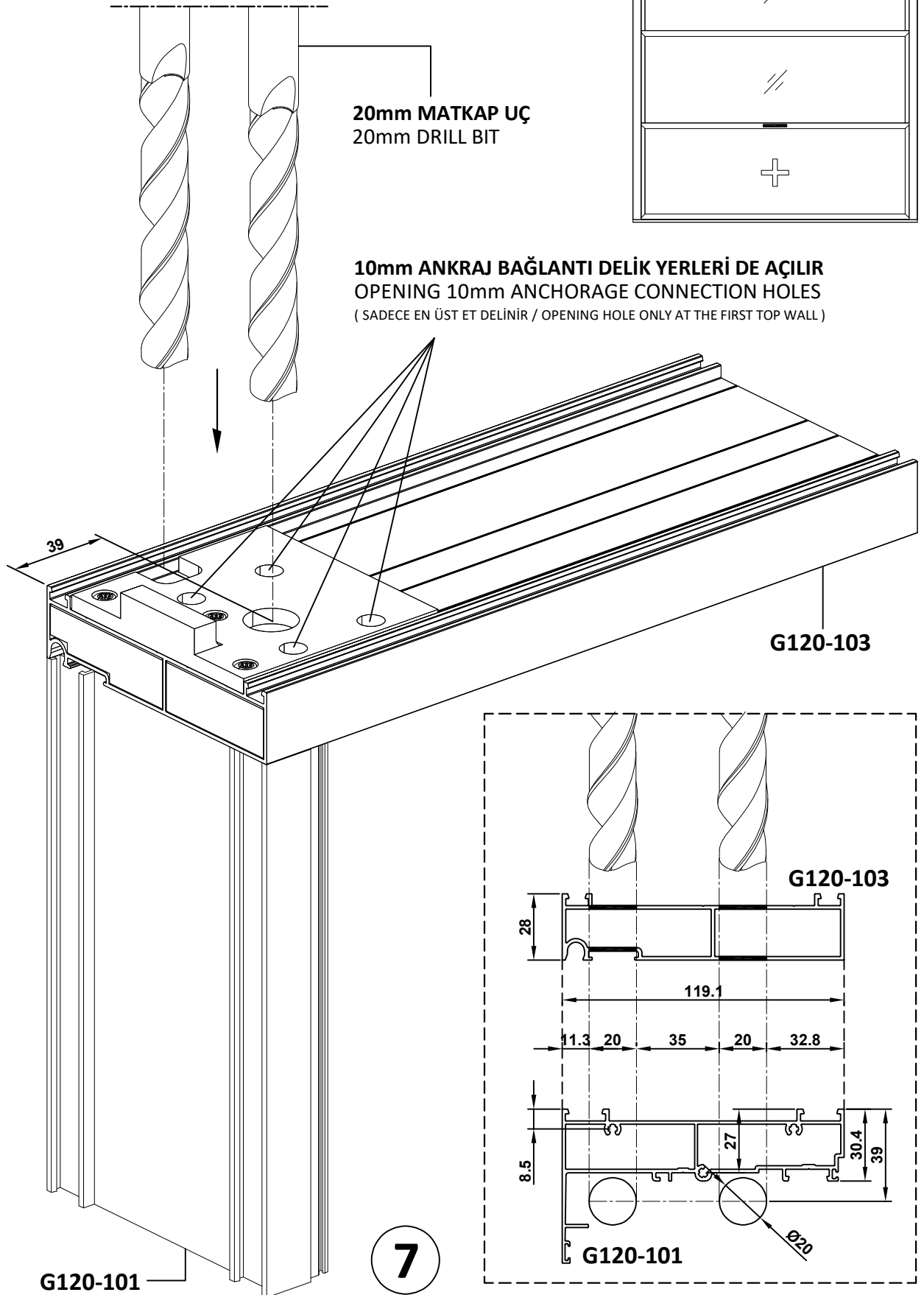
KASA CONTALARI İÇİN BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE FRAME GASKETS



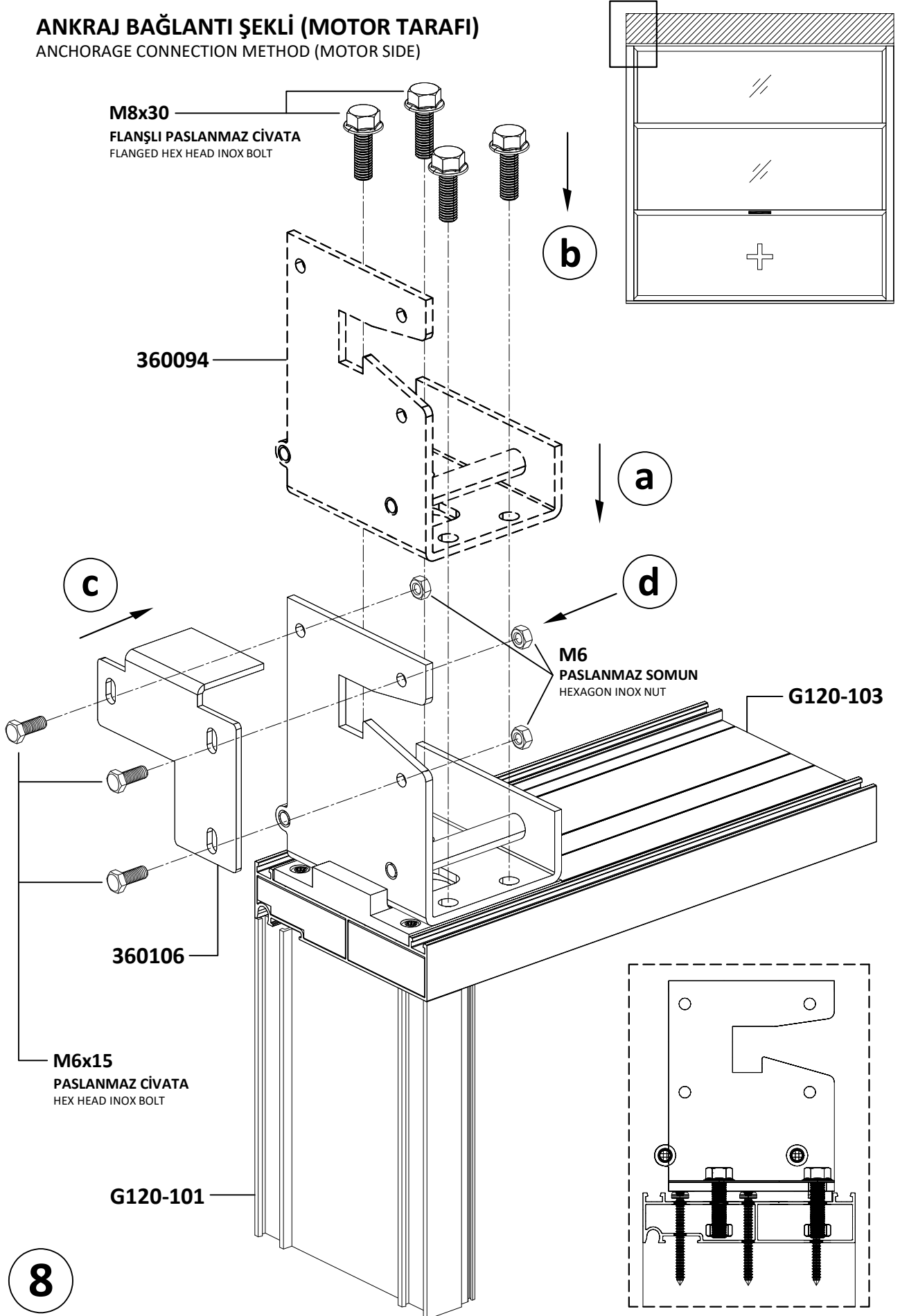
KASA CONTALARI İÇİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE FRAME GASKETS

ÜST - YAN KASA BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE TOP - SIDE FRAME

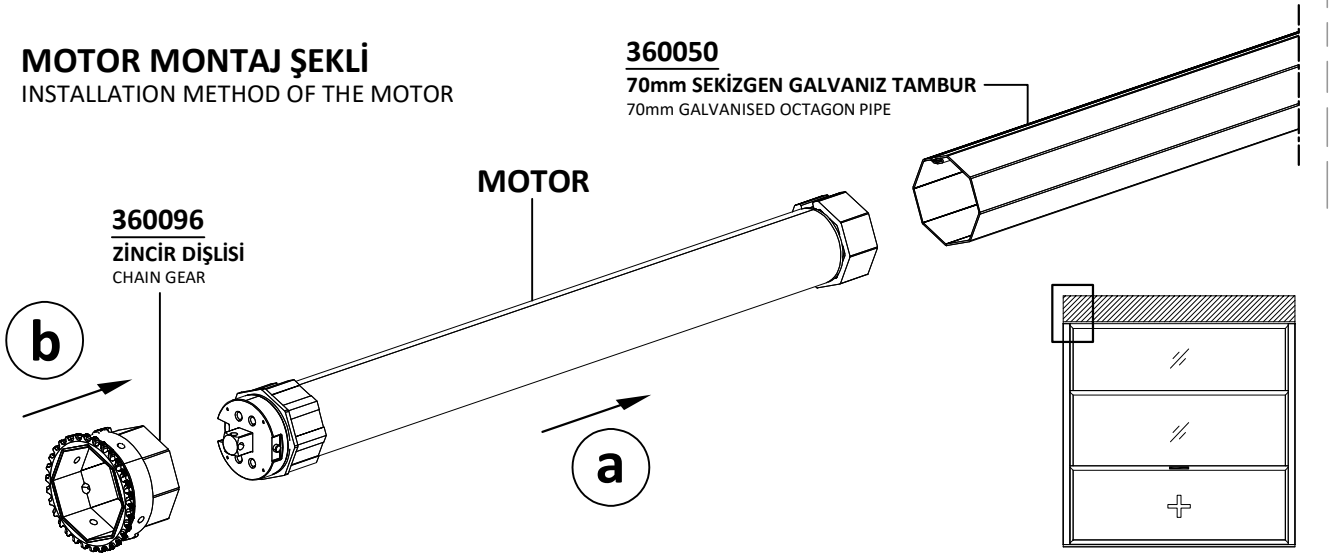


ÜST KASA ZİNCİR AKIŞ DELİĞİ AÇILIMI
OPENING DRILL HOLE FOR CHAIN AT THE TOP FRAME

ANKRAJ BAĞLANTI ŞEKLİ (MOTOR TARAFI) ANCHORAGE CONNECTION METHOD (MOTOR SIDE)



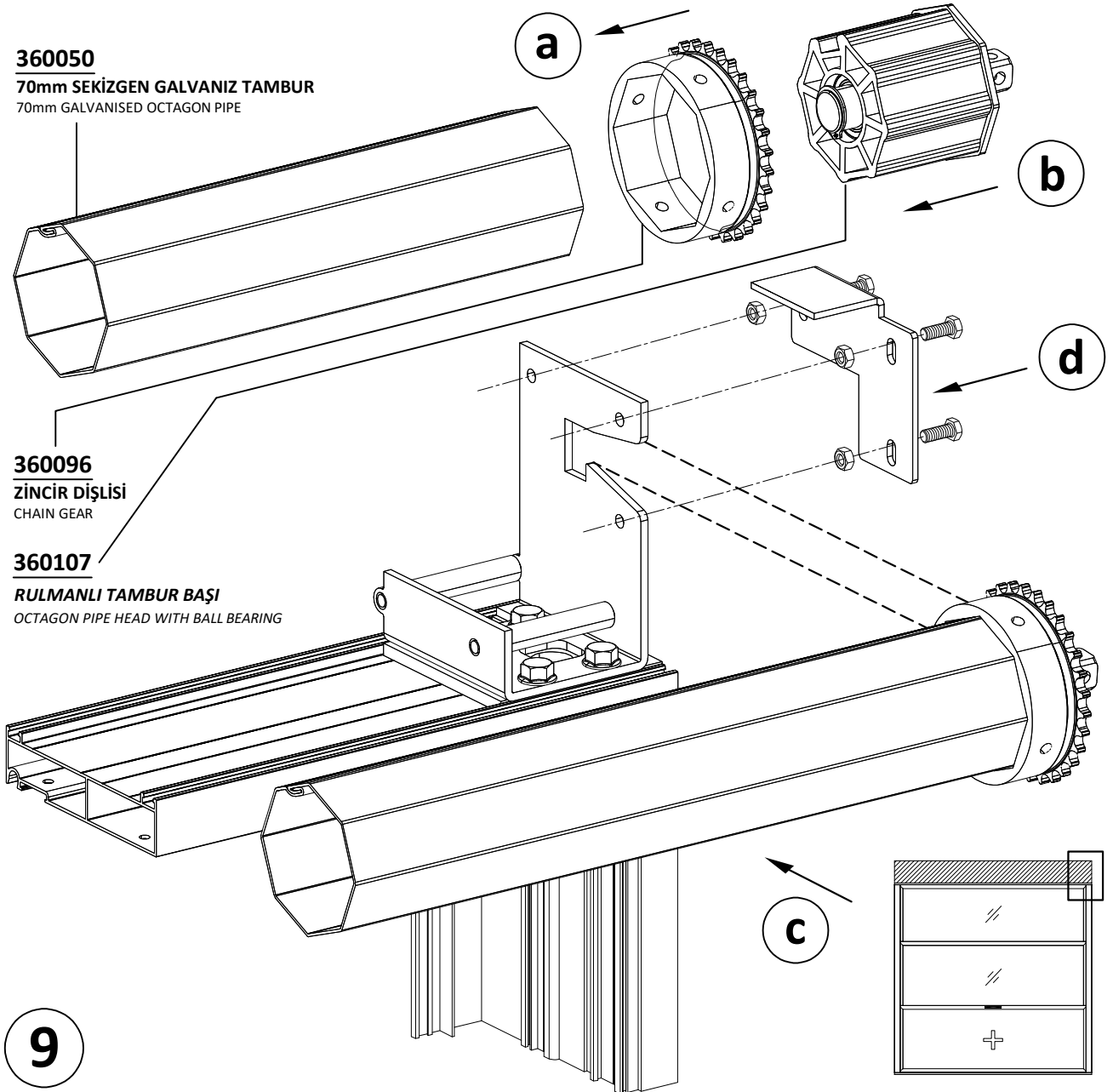
MOTOR MONTAJ ŞEKLİ INSTALLATION METHOD OF THE MOTOR



360050
70mm SEKİZGEN GALVANİZ TAMBUR
70mm GALVANISED OCTAGON PIPE

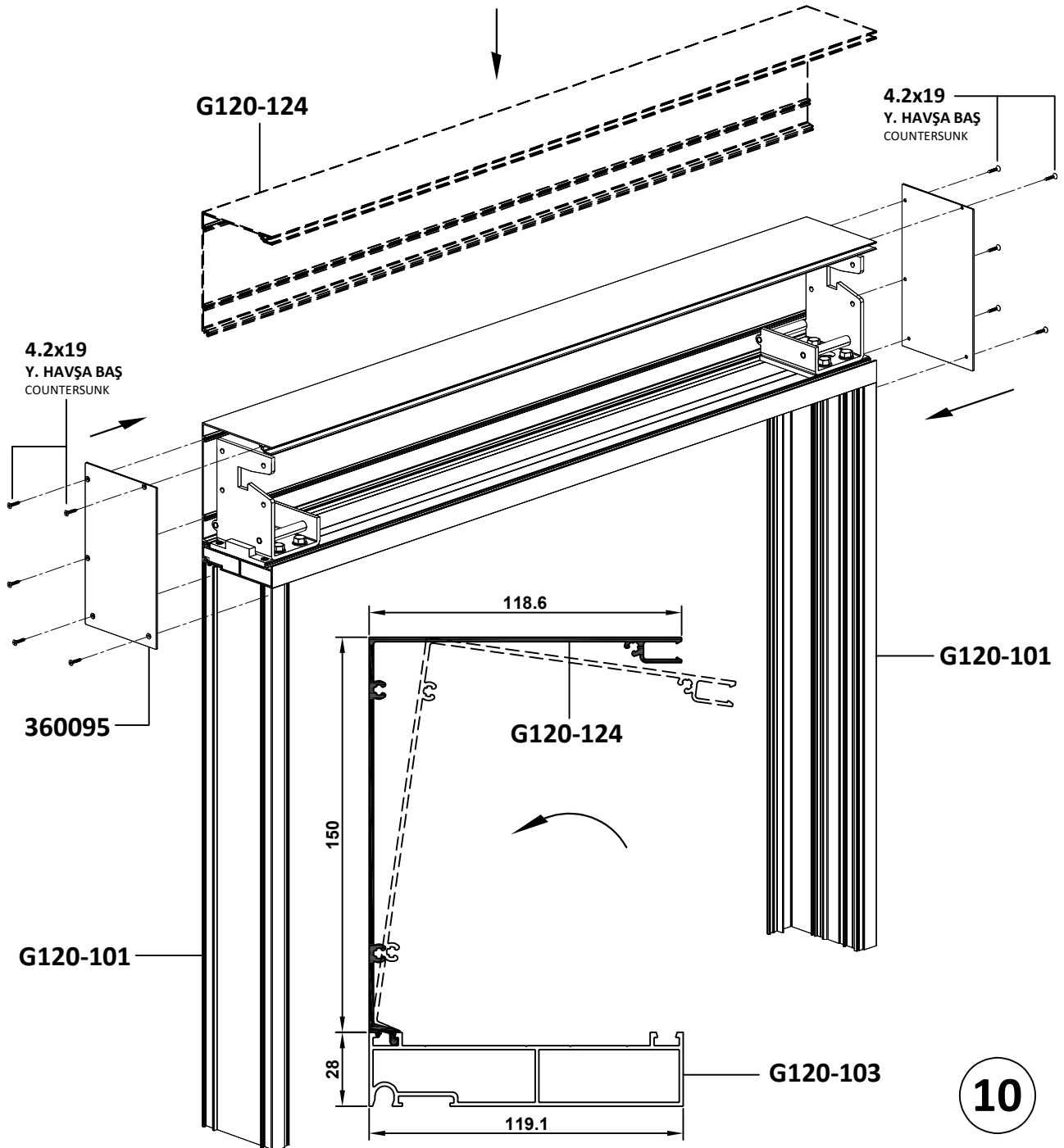
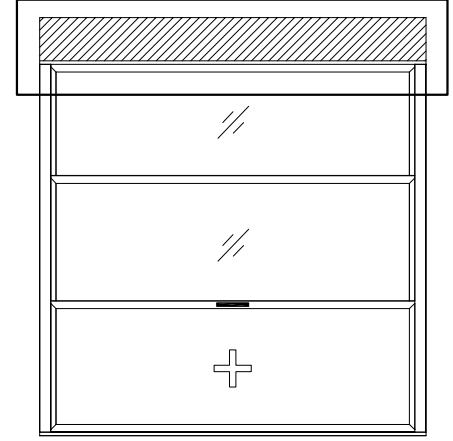
360096
ZİNCİR DİŞLİSİ
CHAIN GEAR

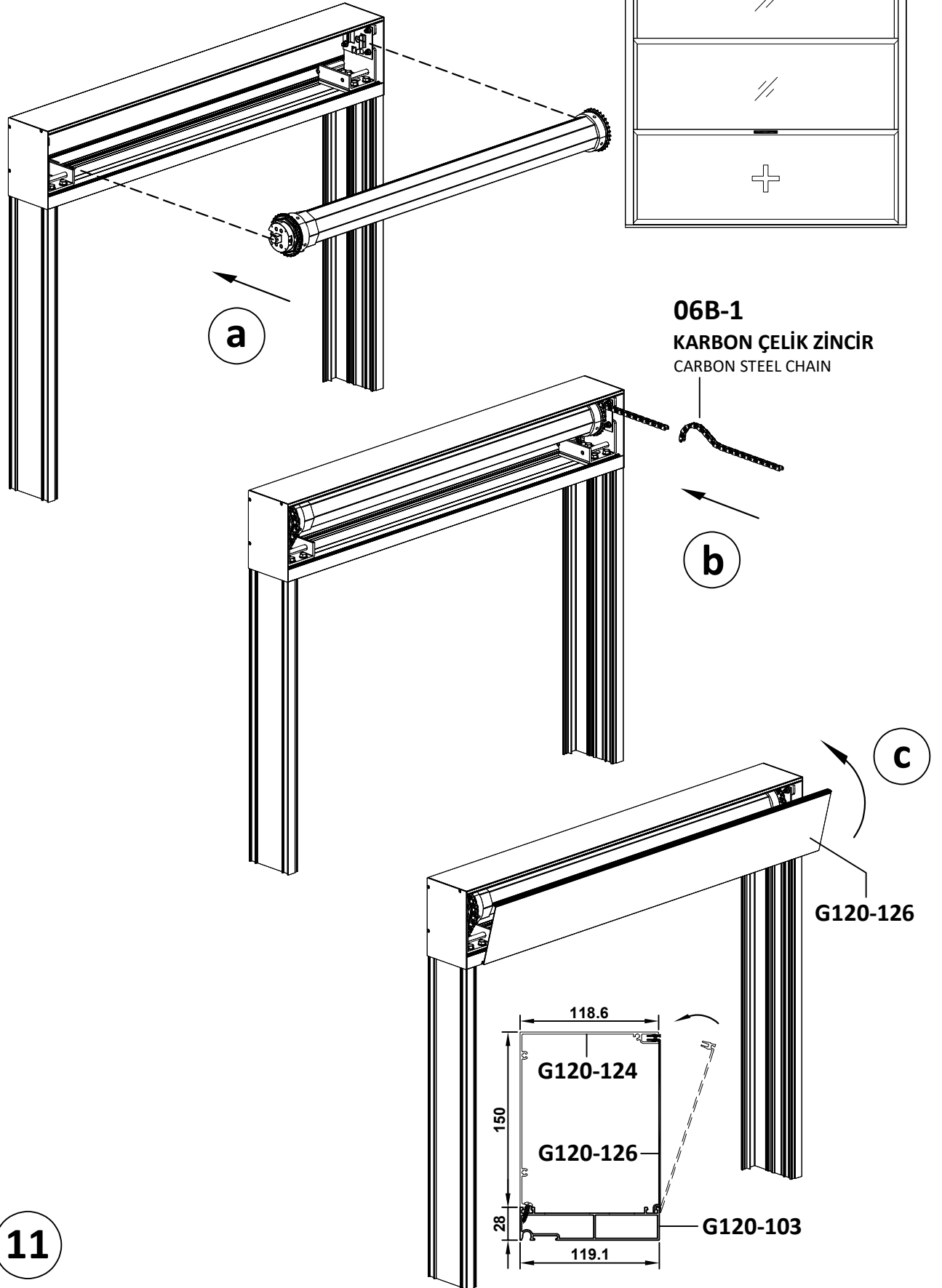
360107
RULMANLI TAMBUR BAŞI
OCTAGON PIPE HEAD WITH BALL BEARING



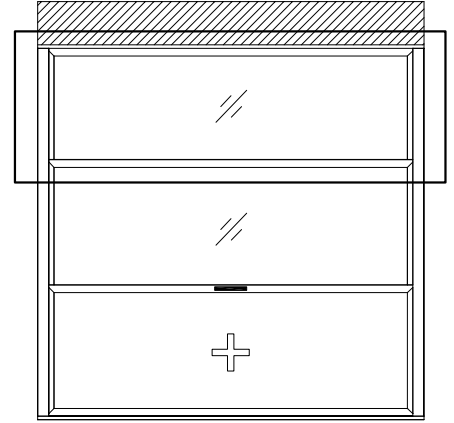
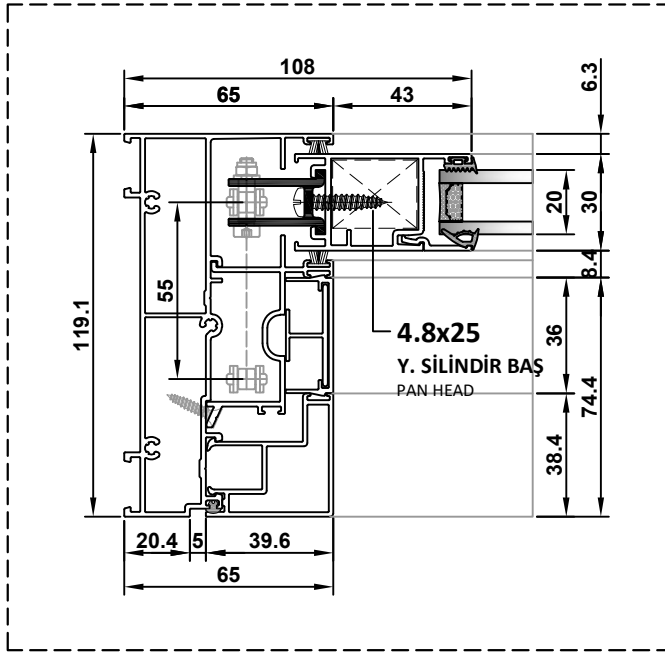
MOTOR KUTUSU KAPAKLARI İÇİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE MOTOR BOX COVERS

360095 MOTOR KUTUSU İÇİN ALÜMİNYUM YAN KAPAKLAR 3 LÜ KANAT ALUMINIUM SIDE COVERS FOR MOTOR BOX 3 SASH	
360103 MOTOR KUTUSU İÇİN ALÜMİNYUM YAN KAPAKLAR 4 LÜ KANAT ALUMINIUM SIDE COVERS FOR MOTOR BOX 4 SASH	

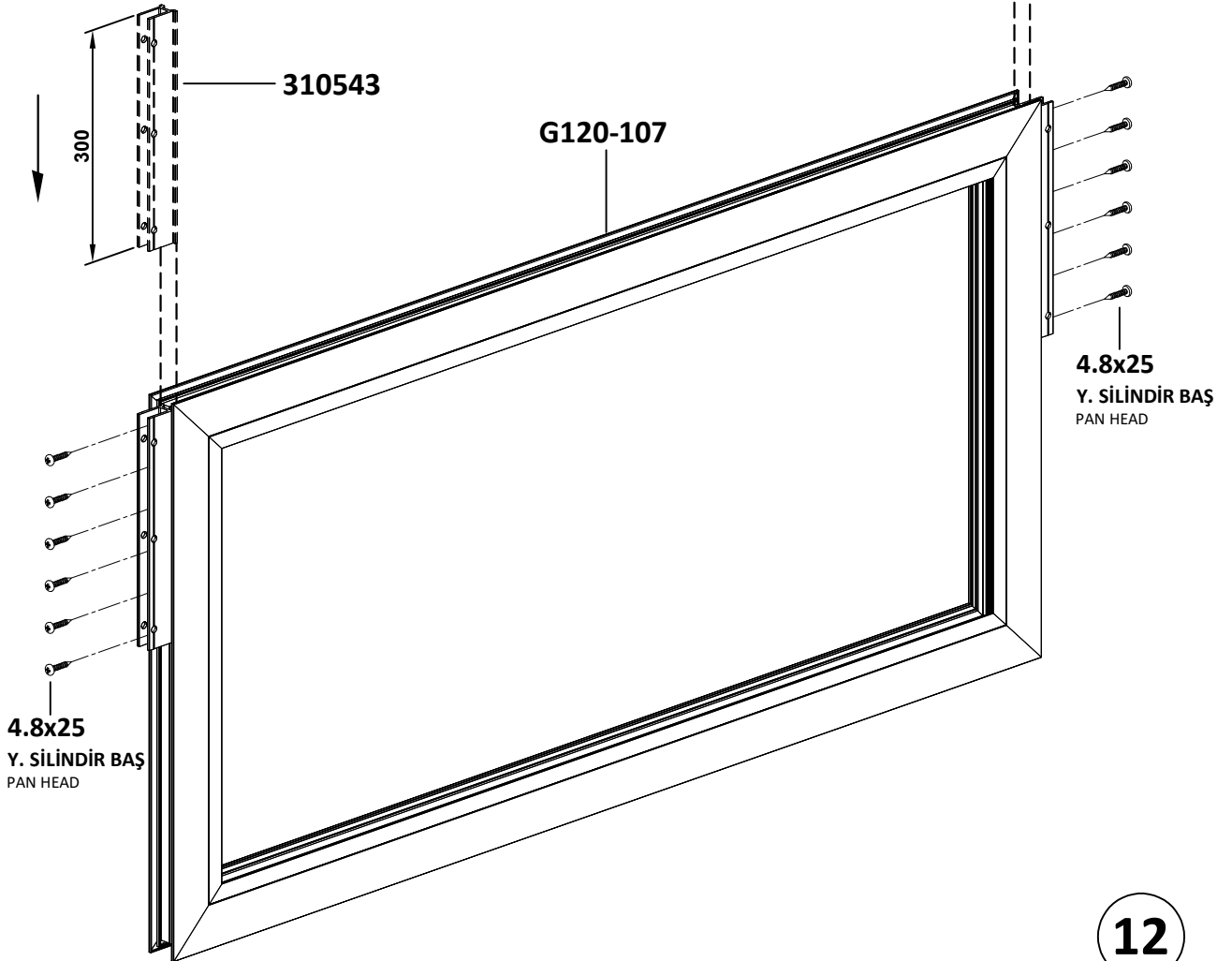


MOTOR TAMBURU VE ZİNCİRİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE MOTOR OCTAGON PIPE AND CHAIN**11**

ASKI APARATI & KANAT BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE HANGER PIECE & SASH

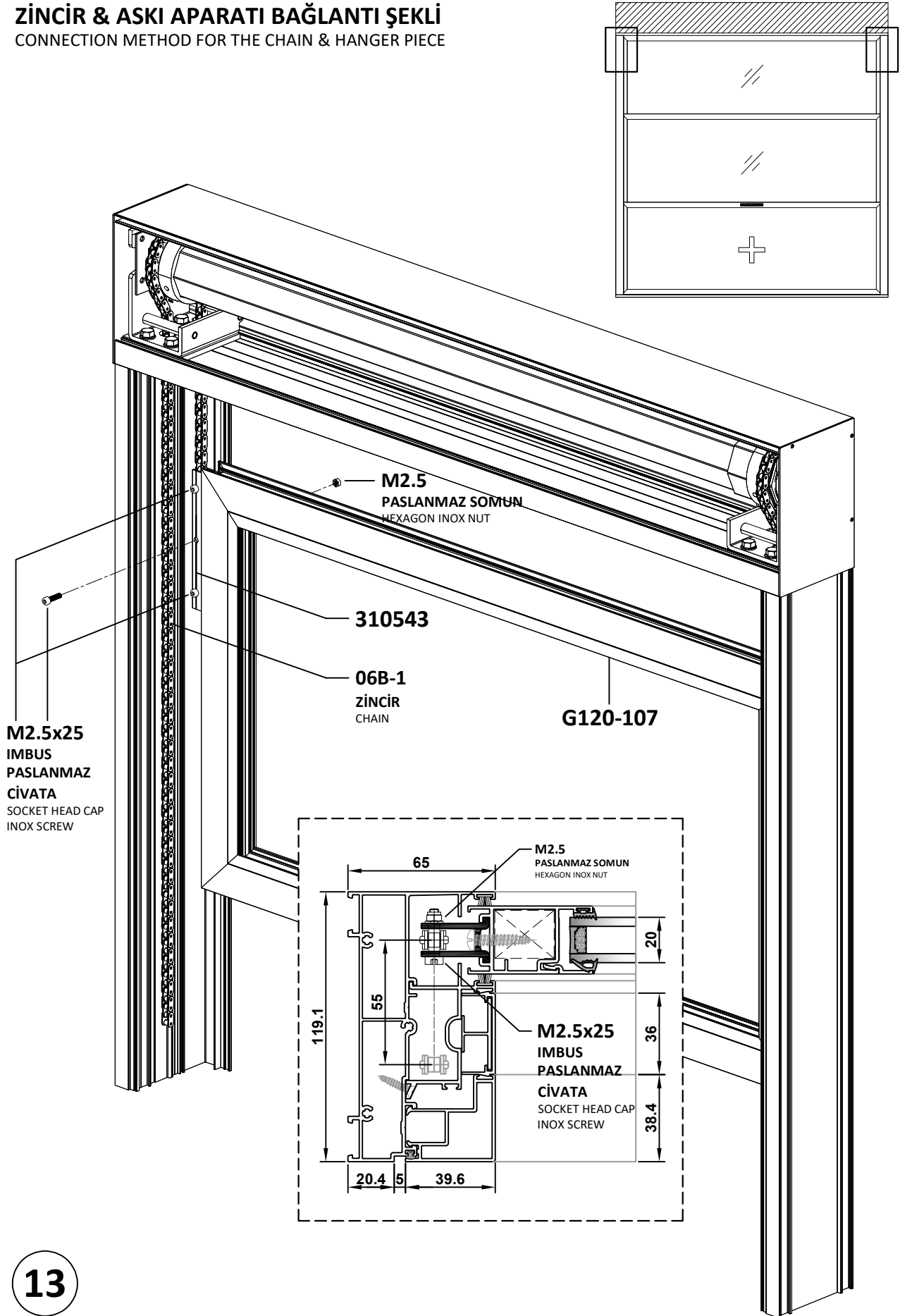


310543



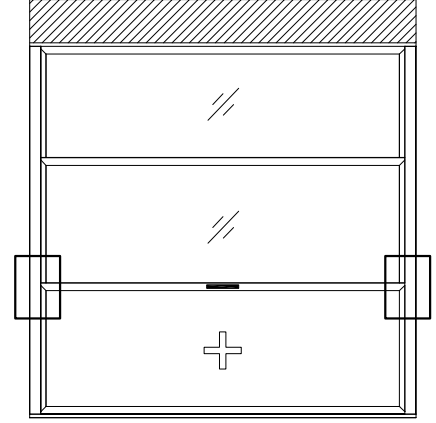
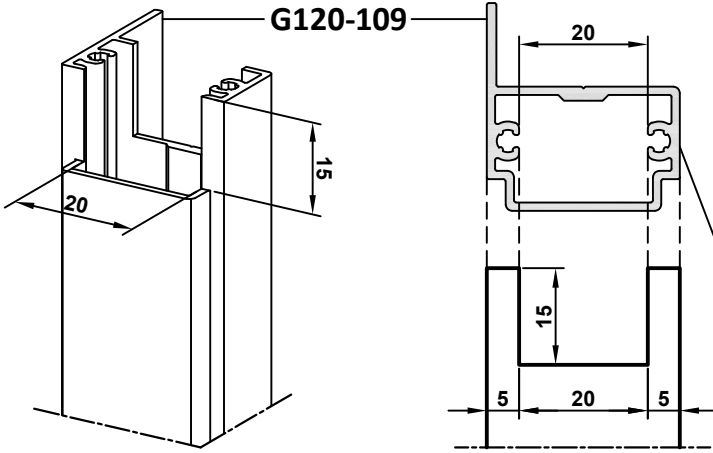
12

ZİNCİR & ASKI APARATI BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE CHAIN & HANGER PIECE



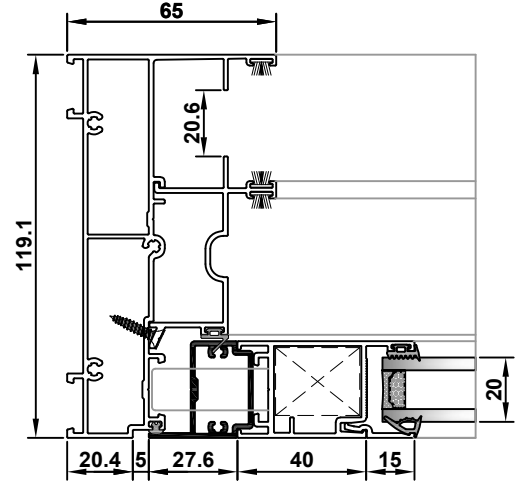
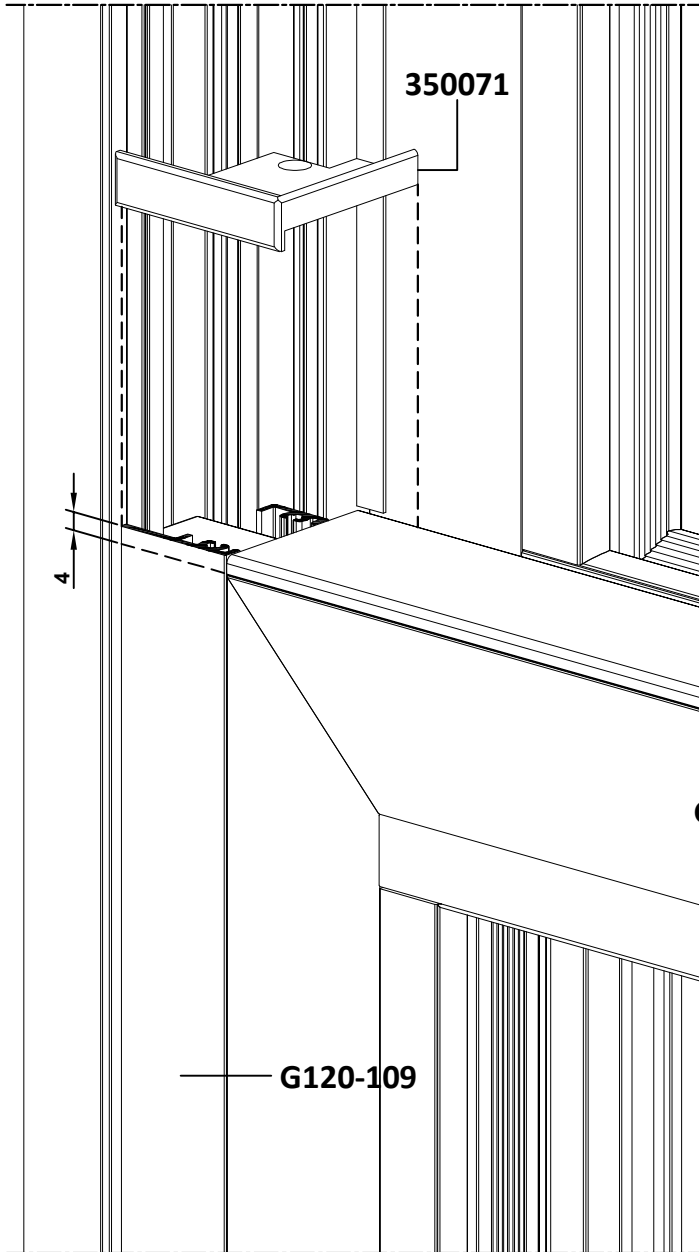
13

AKTİF KANAT ADAPTÖRÜ İÇİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE ACTIVE SASH ADAPTER



G120-109 ADAPTÖR PROFİLİ /
G120-109 ADAPTER PROFILE

KESİM ÖLÇÜSÜ: KANAT YÜKSEKLİĞİ + 4mm
CUTTING SIZE: SASH HEIGHT + 4mm



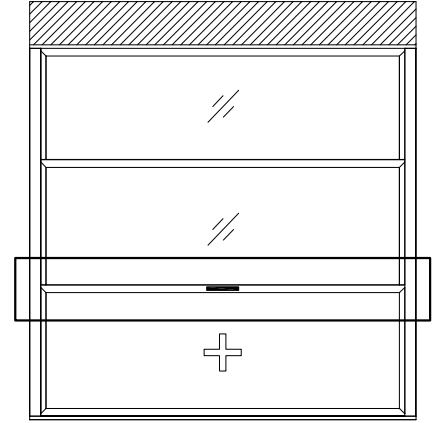
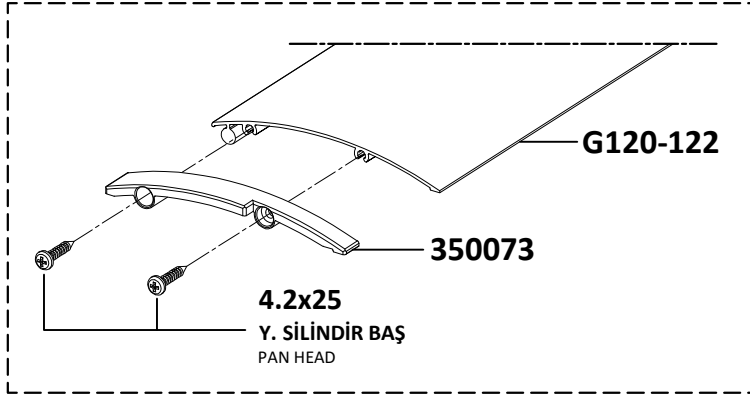
G120-112

G120-109

G120-107

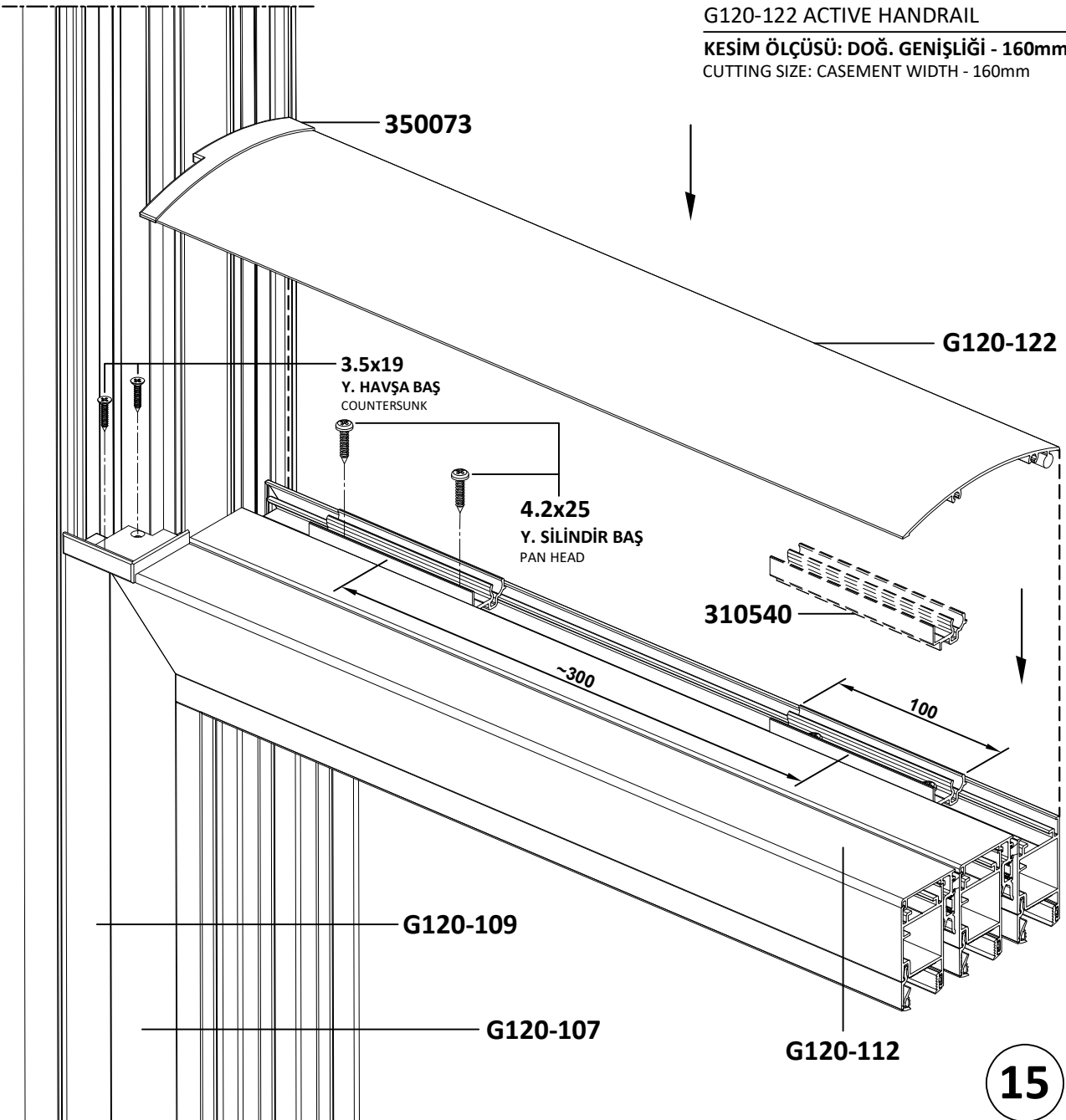
14

HAREKETLİ TRABZAN İÇİN BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE ACTIVE HANDRAIL

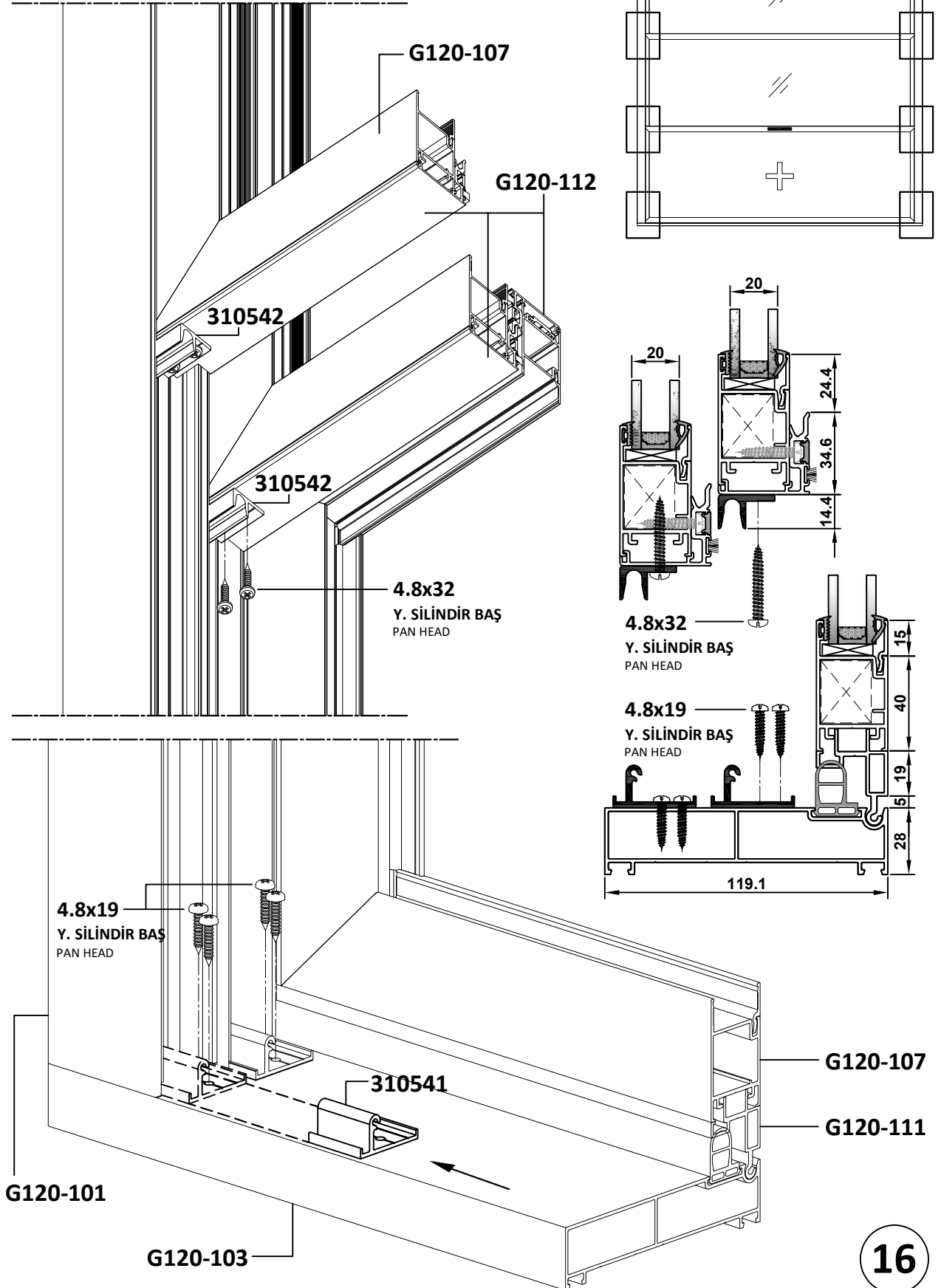


G120-122 HAREKETLİ TRABZAN / G120-122 ACTIVE HANDRAIL

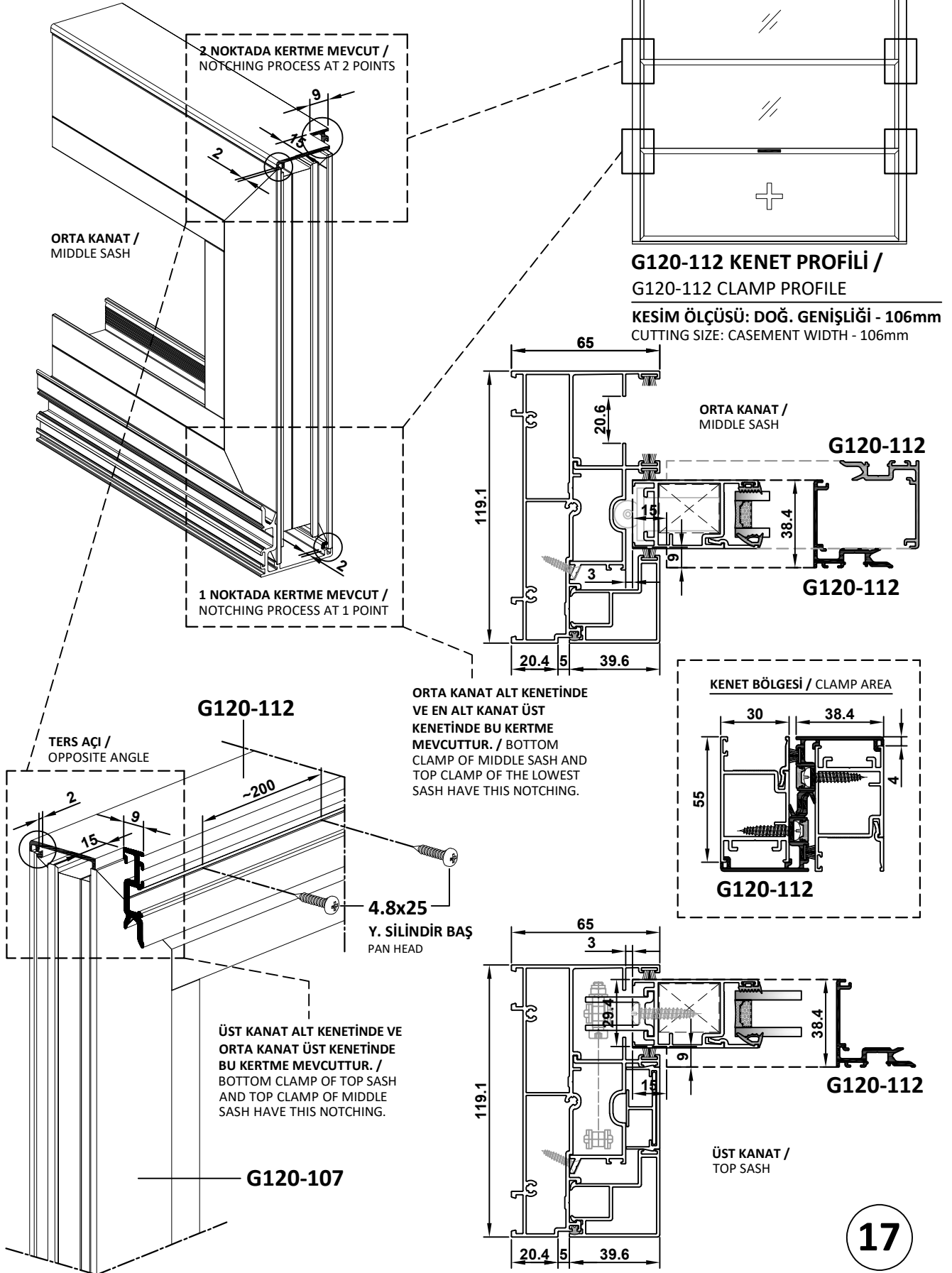
KESİM ÖLÇÜSÜ: DOĞ. GENİŞLİĞİ - 160mm
CUTTING SIZE: CASEMENT WIDTH - 160mm



KANAT ALT DESTEK TAKOZLARI İÇİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE SASH SUPPORTING PIECES

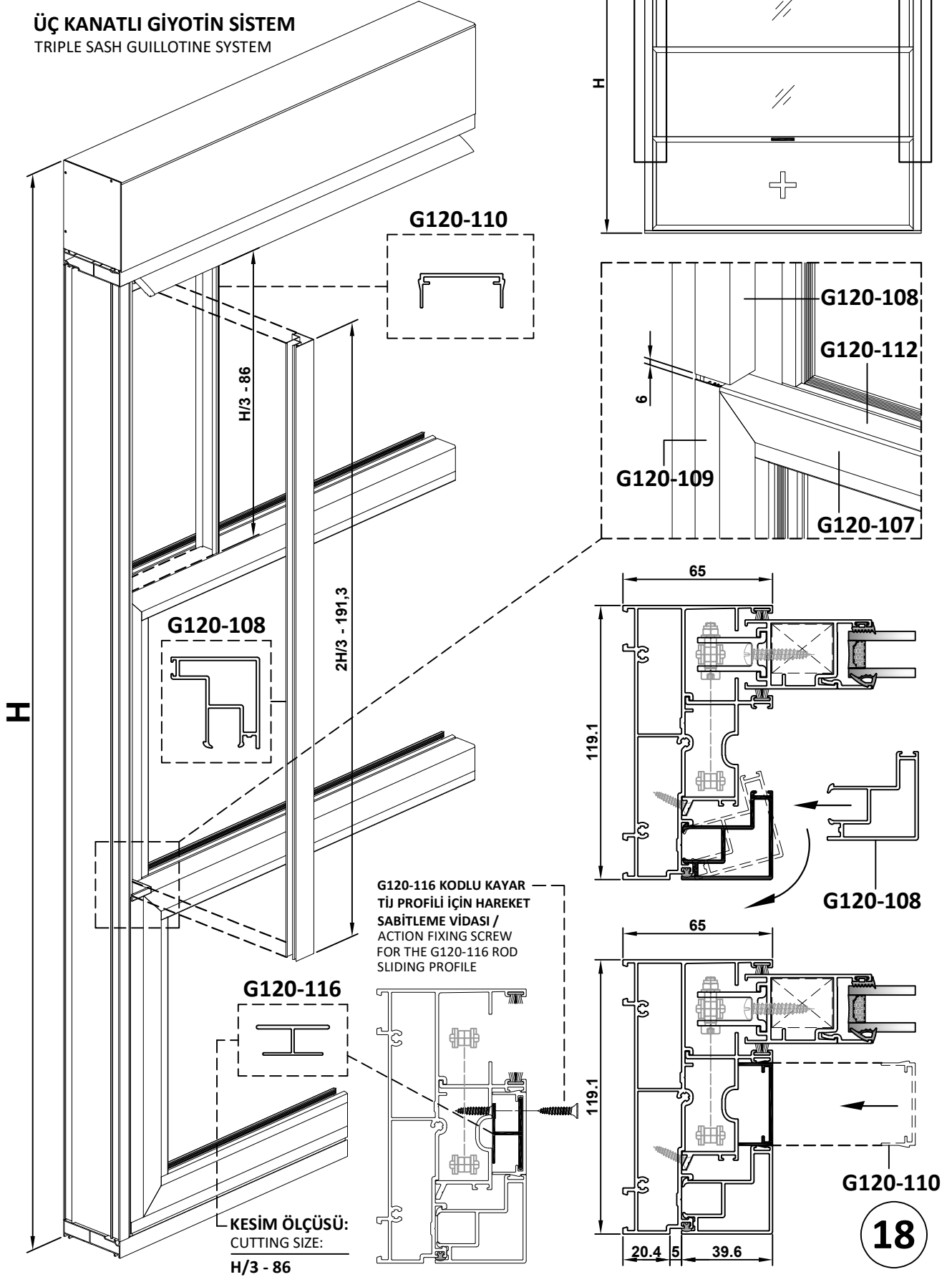


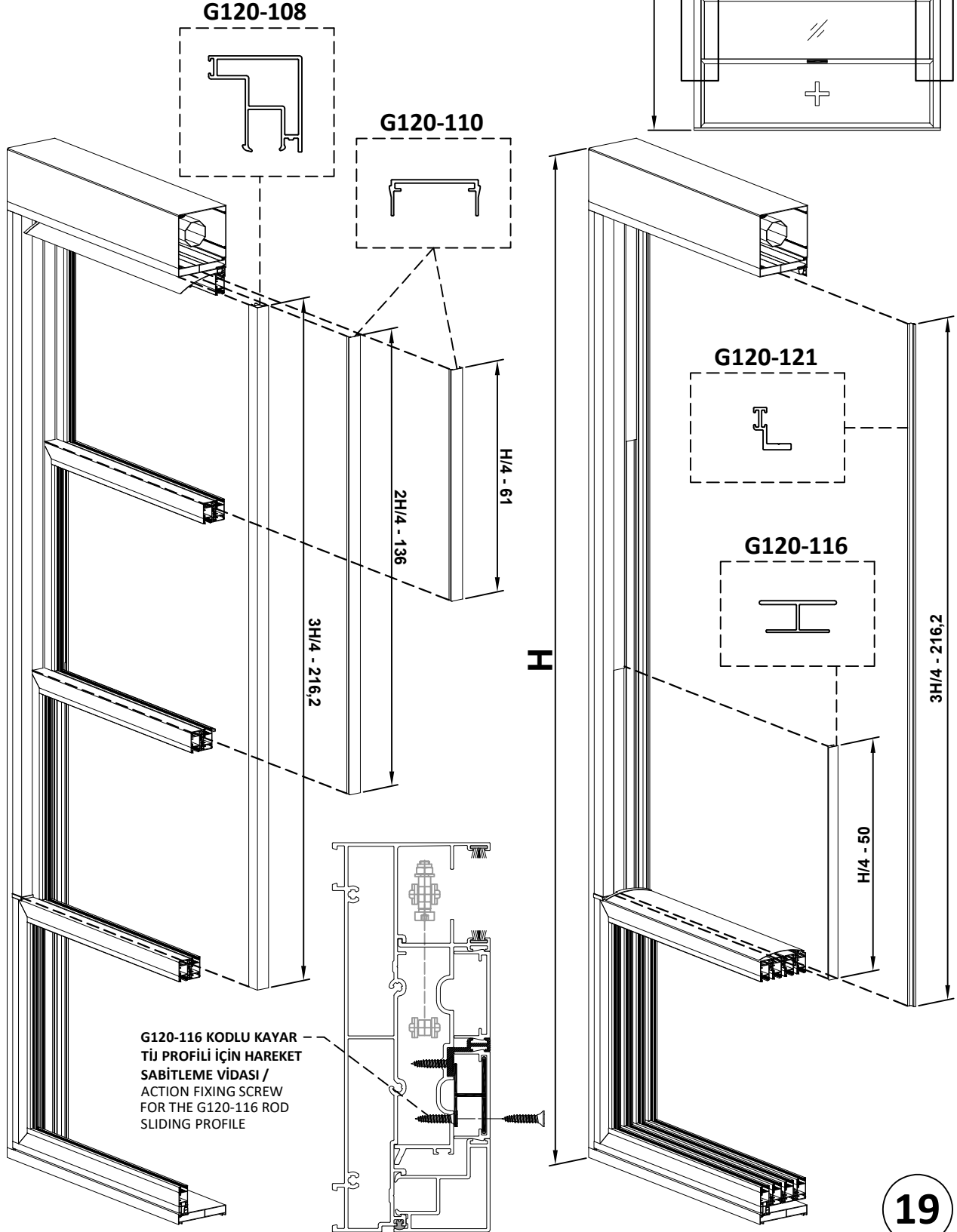
KENET PROFİLLERİ İÇİN BAĞLANTI ŞEKLİ CONNECTION METHOD FOR THE CLAMP PROFILES



YAN KAPATMA PROFİLLERİ İÇİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE SIDE COVER PROFILES

ÜÇ KANATLI GİYOTİN SİSTEM
TRIPLE SASH GUILLOTINE SYSTEM



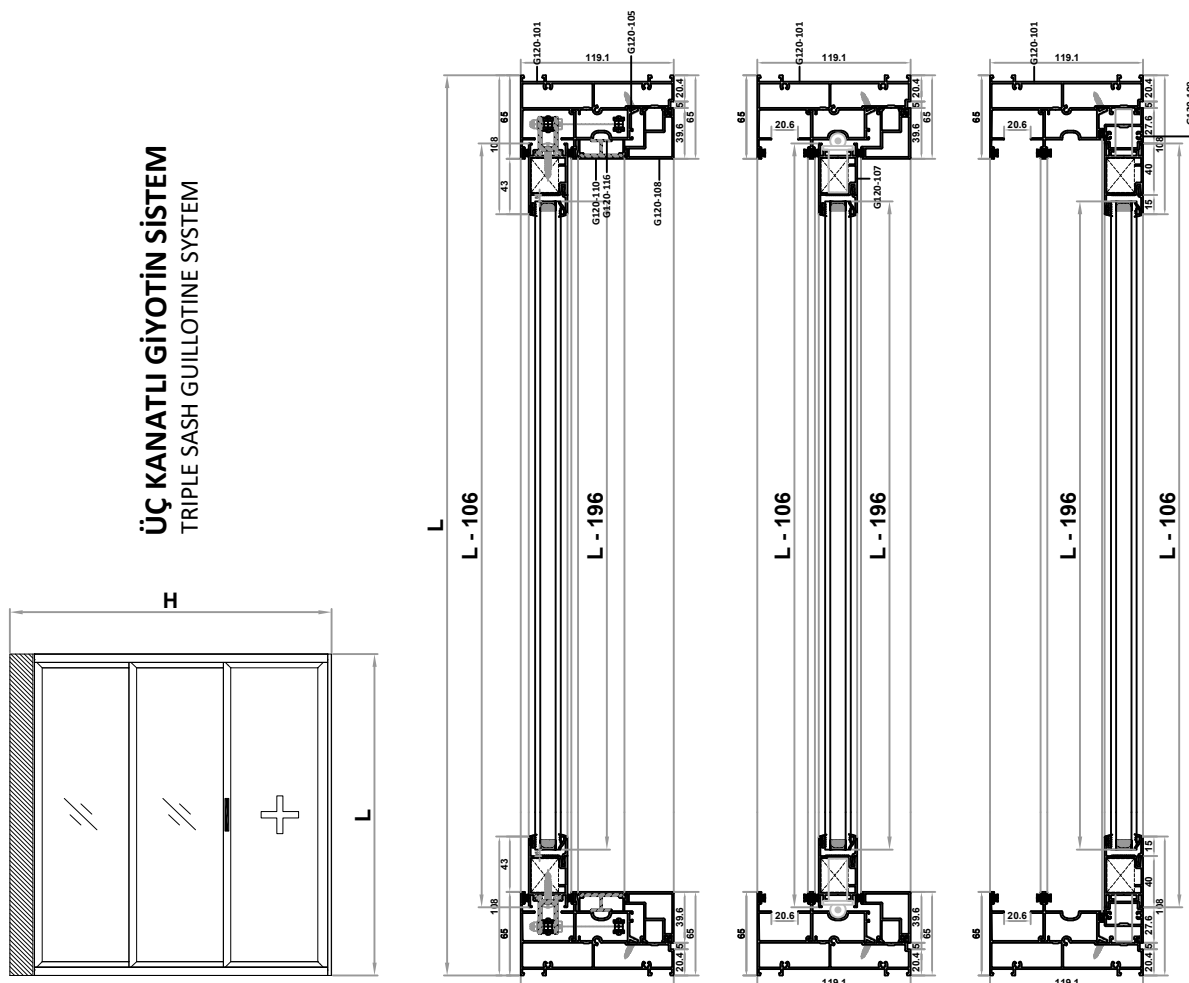
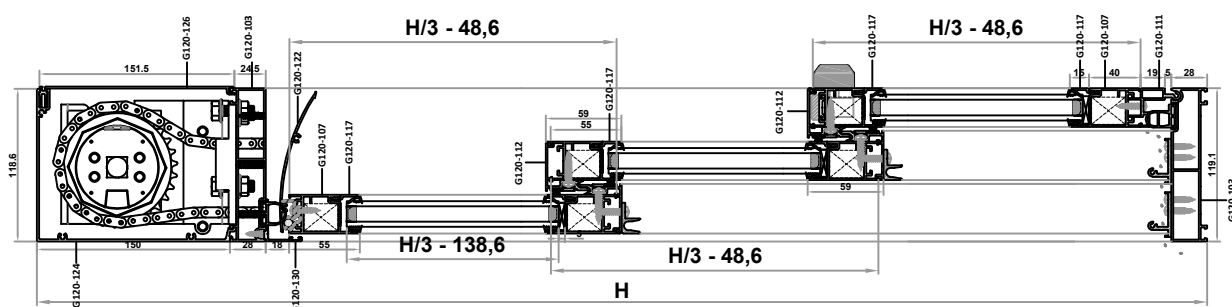
YAN KAPATMA PROFİLLERİ İÇİN BAĞLANTI ŞEKLİ
CONNECTION METHOD FOR THE SIDE COVER PROFILES**DÖRT KANATLI GİYOTİN SİSTEM**
QUADRUPE SASH GUILLOTINE SYSTEM

İMALAT KESİM ÖLÇÜLERİ FABRICATION CUTTING SIZES

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

PROFILLER / PROFILES			KESIM OLCUSU CUTTING SIZE	KESİM AÇISI CUTTING ANGLE
ABET PRICE	KOD CODE	TANIM DESCRIPTION		
		DIŞEY YAKA / VERTICAL SIDE FRAME	H-206	90°/90°
2	G120-101	ALÜSİYET KASA / TOPKABOT/TO FRAME	1	90°/90°
2	G120-103	DIŞEY KAMA TIR / SIDE ADAPTER PR.	H-206	90°/90°
6	G120-105	DIŞEY KAMA TIR / VERTICAL SASH PR.	H/3 - 48,6	45°/45°
6	G120-107	YATAY KAMA TIR / HORIZONTAL SASH PR.	1-106	45°/45°
2	G120-108	K' KAMA TIR / INNER COVER PR.	2H/3 - 19,1,3	90°/90°
2	G120-109	KANYA ADAPTOR PR / SASH ADAPTER PR.	H/3 - 44,6	90°/90°
2	G120-110	ORTA KAMA TIR / MIDDLE COVER PR.	H/3 - 86	90°/90°
2	G120-116	HAREKETİ KAPATILAN PR / ACT COVER PR.	H/3 - 86	90°/90°
1	G120-111	KAMA TIR MENİŞER PR / SASH HINGE PR.	L-108	90°/90°
4	G120-112	KİMEY PR / CLAMP PR.	L-106	90°/90°
6	G120-117	DIŞEY KAMA TIRASI / H/3 - GLAZING BEAD	L-136	90°/90°
6	G120-117	DIŞEY KAMA TIRASI / H/3 - GLAZING BEAD	H/3 - 136,6	90°/90°
1	G120-122	AKTİF UST KAMA TIR / ACTIVE TOP CAP PR.	L-140	90°/90°
1	G120-124	MOTOR RUTUŞU PR / MOTOR BODY PR.	1	90°/90°
1	G120-126	MOTOR RUTUŞU KAPALI / MOTOR BOX CD.	1	90°/90°
1	G120-130	UST SÖMÖRLEK PR / TOP SEALING PR.	L-130	90°/90°
1	W1-508	TE PROFİL / ROD PROFILE	1	90°/90°

AKSESUARLAR / ACCESSORIES			KESİM ÇİZGİSİ CUTTING SIZE	TANIM DESCRIPTION	KOD CODE	BİRLİM UNIT	MİKTAR AMOUNT
-	MATERİYAL MATERIAL	390010	PARÇA FİRL / WEAIR PIPE STRIP	64,4 384			
-	MATERİYAL MATERIAL	330149	İÇ GAMA FİRL / OUTER GASKET	64,4 2H			
-	MATERİYAL MATERIAL	330152	DIŞ GAMA FİRL / INNER GASKET	64,4 2H			
-	MATERİYAL MATERIAL	330142	ÜST SÖZMAMAK FİRL / TOP TIGHTNESS GASKET	L			
-	MATERİYAL MATERIAL	330148	ALT SÖZMAMAK FİRL / BOTTOM TIGHTNESS GASKET	L			
-	MATERİYAL MATERIAL	330150	KANAT DIŞ BİML FİRL / OUTER STEP GASKET FOR SAH	H			
-	MATERİYAL MATERIAL	330151	KANAT İÇ BİML FİRL / INNER STEP GASKET FOR SAH	2H			
-	MATERİYAL MATERIAL	330156	VİDA GİZLEME FİRL / SCREW CONCEALER GASKET	4L			
8	ADIT PRICE	330160	ÜST KAPAK PROFİLİ İÇİ BAĞLANTI PARÇASI CONNECTION PIECE FOR THE TOP COVER PROFILE	-			
4	ADIT PRICE	330191	KASA İÇİN ALT TAKOZ MENTEŞE PARÇASI BOTTOM WEDGE HINGE PIECE FOR THE FRAME	-			
4	ADIT PRICE	330192	KANAT İÇİN ÜST TAKOZ MENTEŞE PARÇASI TOP WEDGE HINGE PIECE FOR THE SAH	-			
2	ADIT PRICE	330143	ZİNCİR BAĞLANTI PARÇASI CONNECTION PIECE FOR THE CHAIN	-			
12	ADIT PRICE	330195	KANAT KÖŞE TAKOZU CORNER CLIP FOR SAH	-			
1	ADIT PRICE	330186	GİLEZ TUTAMAKLI KOL (7mm KARE MAÇALI) HIDDEN HANDLE (SPRING SQUARE PIN)	-			
1	ADIT PRICE	330187	KOL HAREKET İZLETİMİ İÇİN İÇ MEKANİZMA INNER MECHANISM FOR THE HANDLE MOVEMENT	-			
2	ADIT PRICE	330109	KALE VASİSTAS MAMAS (15cm) SALE TOP PLUNG PIN FOR MAIN (15cm)	-			
2	ADIT PRICE	330161	KALE SÜNDÜRMÖ KİLTİ: 115 U 20 KALE EMBEDDED LOCK WITH ROLLER 115 U 20	-			
1	TAKIM SET	350071	ACILAR KANAT ADAPTÖRÜ İÇİN ÜST KAPAK TANIMI TOP PLUG KIT FOR THE UPPER SAH PART	-			
2	ADIT PRICE	350072	TÜTÜCÜ KLİTLEMEN PARÇASI DOORING PIECE FOR THE KID LID	-			
1	TAKIM SET	350073	HAREKETLİ KAPAK İÇİN KID YAN KAPAMATA TANIMI SALE COVER PLUG KIT FOR KID COVER	-			
1	TAKIM SET	330076	ANIRKILAR İÇİN ALT BESİME TAKOZU TANIMI ANCHORAGE KIT FOR LOWER TACKLE	-			
1	TAKIM SET	330078	ÜST KASA İÇİN ÜST İÇİN HAREKETLİ TAKOZ TANIMI SUPERIOR WEDGE KIT FOR UPPER FRAME PART	-			
1	TAKIM SET	360094	ANIRKILAR TANIMI ANCHORAGE KIT	-			
1	TAKIM SET	360095	MOTOR KUTUSU İÇİN ALÜMİNYUM YAN KAPAKLAR ALUMINIUM SIDE COVERS FOR MOTOR BOX	-			
2	ADIT PRICE	360096	ZİNCİR DİŞLİSİ CHAIN GEAR	-			
1	TAKIM SET	390105	ZİNCİR BASKI AYAR PARÇASI CHAIN PRESSURE ADJUSTMENT PIECE	-			
-	ADIT PRICE	390104 4-5 m 390051 6 m 390052 8 m	İB-1 KARBON ÇELİK ZİNCİR İB-1 CARBON STEEL CHAIN	2H			
1	ADIT PRICE	390107	RULMAN TİPE HEAD WITH BALL BEARING	-			
1	ADIT PRICE	390052 7 m 390051 6 m 390052 8 m	7mm SİLİNDİR GALVANİZ ZAMBUR 7mm CYLINDER GALVANIZED ZAMBUR	-			



Katalogdaki profil ağırlıkları teoriktir. Teslimat öncesi ölçülen değerler geçerlidir.
Profile weights at the catalogue are theoretical, pre-shipment values will be valid.

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KULLANIM ŞARTLARI

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

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

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

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

GARANTİ KOŞULLARI

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

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

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

TERMS OF SERVICE

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

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

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

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

TERMS OF WARRANTY

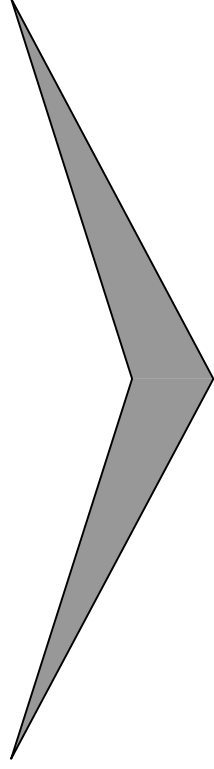
If the profiles was used according to terms of service and they have no mechanical damage or deformation, in any defect situation, our warranty is limited by disassembly, re-product, re-eloxal, re-assembly of faulty pieces. These are subjected to labor law.

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

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

SERTİFİKALAR

CERTIFICATES

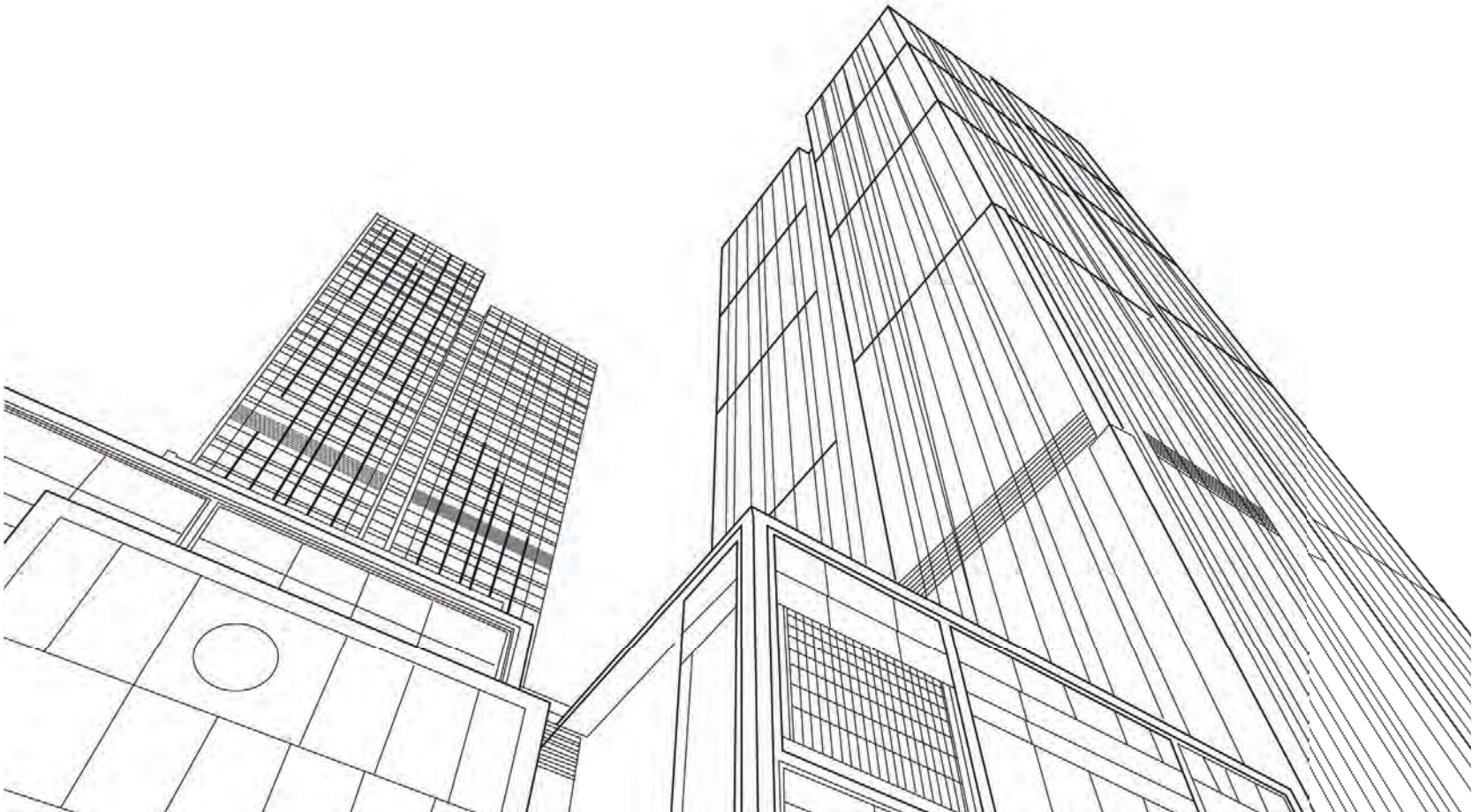


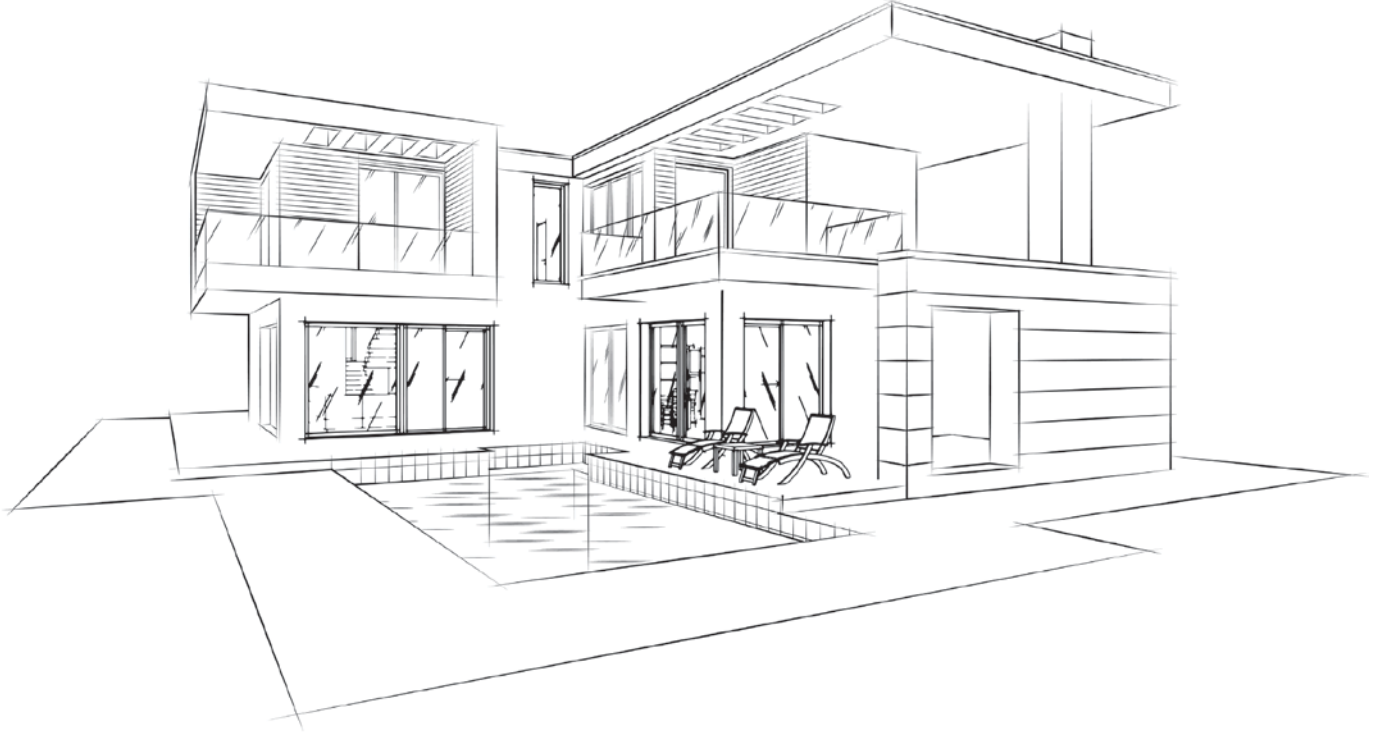
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