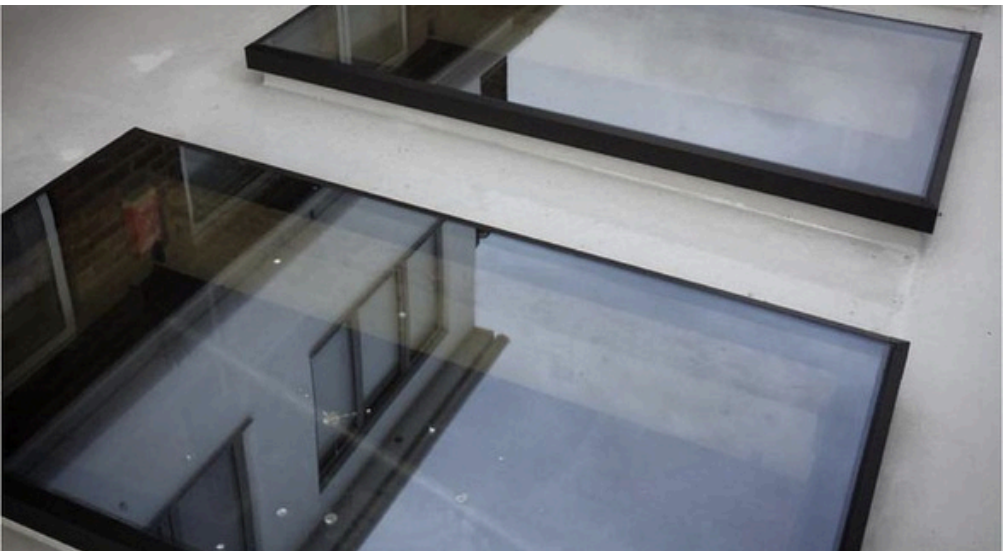
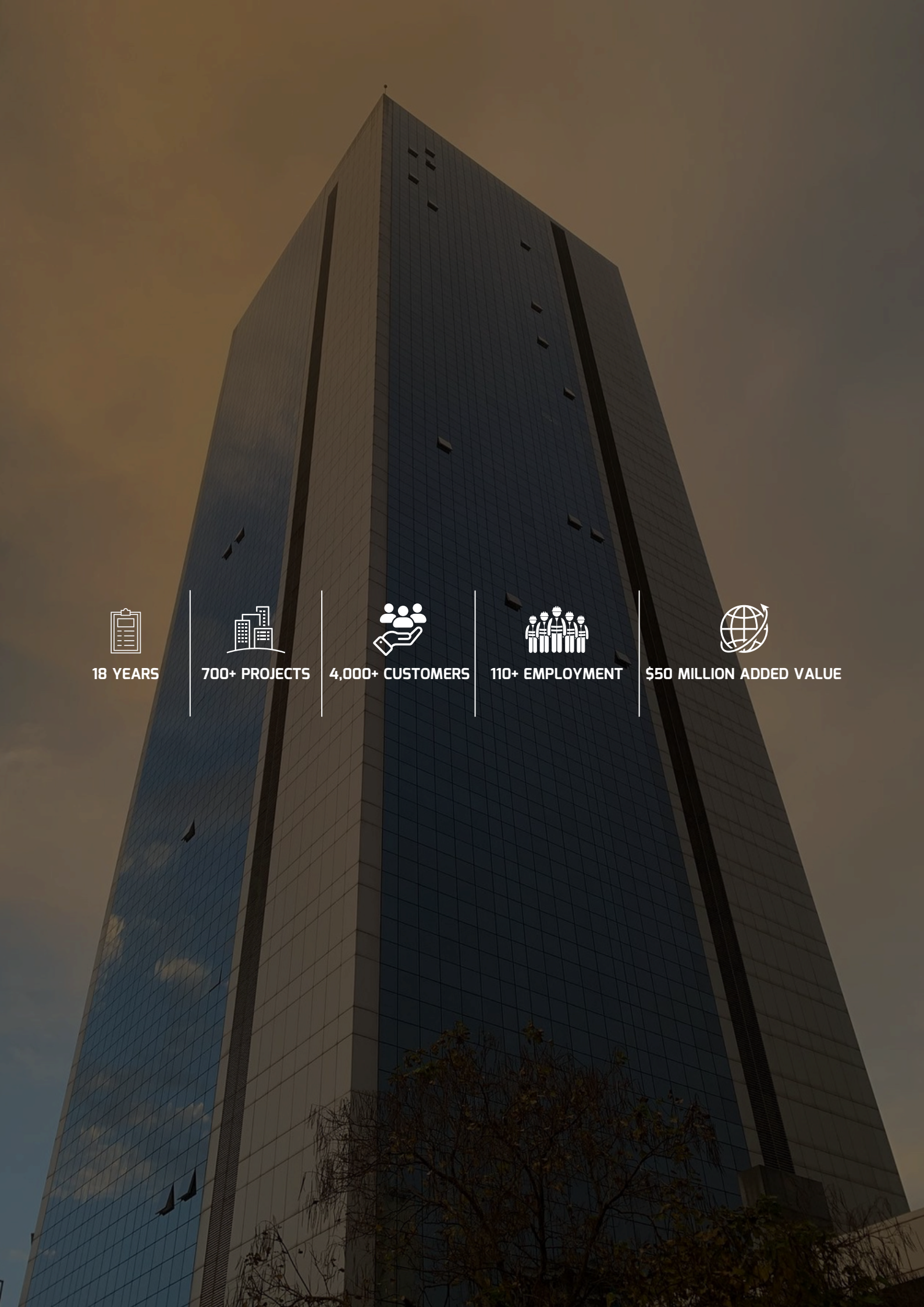
UCGEN ALUMINYUM

18 YEARS / YIL



Architectural metal and glass.

SKYLIGHT ROOF SYSTEM



18 YEARS

700+ PROJECTS

4,000+ CUSTOMERS

110+ EMPLOYMENT

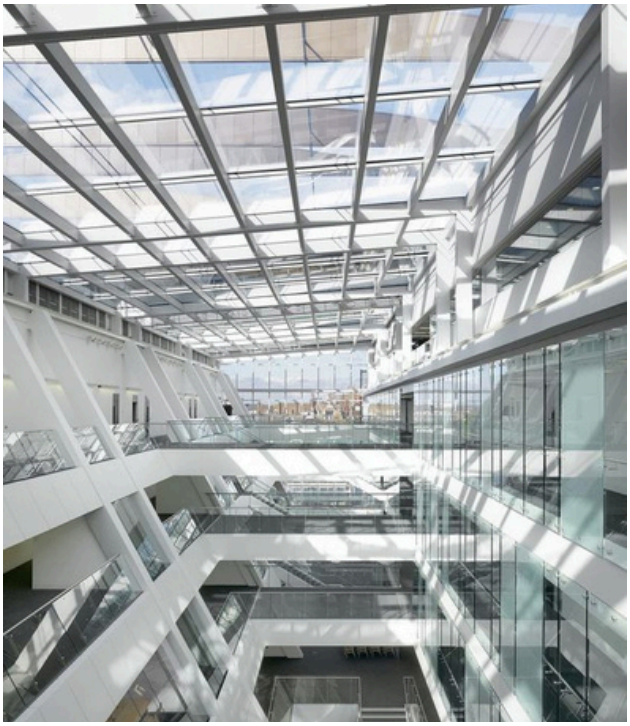
$50 MILLION ADDED VALUE

UCGEN ALUMINYUM

CONTENT

SKYLIGHT ROOF SYSTEM

Energetic and spacious indoors.



INDOORS FILLED WITH NATURAL LIGHT

Spaces equipped with skylight roof systems allow natural light to fill the interior, **making the space larger, fresher and cooler.** Most common uses for structures with skylight roofings are shopping centers, offices, and cultural centers.

APPLY WITH FACADE SYSTEMS

In order to construct a solid, functional and aesthetically appealing skylight roofs, we have a **range of options from our facade systems to use.** It can be structural glazed, stick system, **capped system,** or spider system, reinforced with steel sub-structures to support the whole structure, all of these facade systems are valid options.

2 FRAMED GLAZED CURTAIN WALL SYSTEM

Facade and skylight system with aluminum.

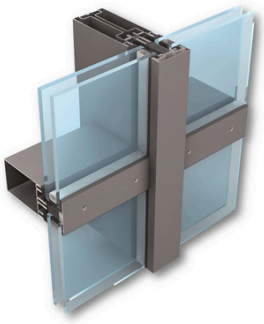
EXTRA DURABILITY AND INSULATION

Glass panels are screwed on aluminum mullions via **aluminum cover profiles.** Combined with extra silicon and glazing gaskets, this system has **extraordinary durability with great thermal insulation and water tightness.**

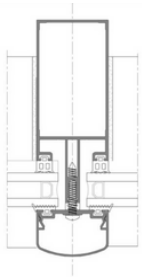
FLEXIBLE DESIGNS WITH ALUMINUM

Aluminum cover profiles create a **grid and framed structure,** which showcases a unique look, and opens the gate for architects to get creative with their designs.

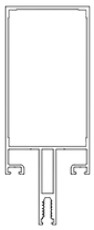
3 SYSTEM TECHNICAL DETAILS



FS50 Capped Curtain Wall Facade System



Kesit / Section

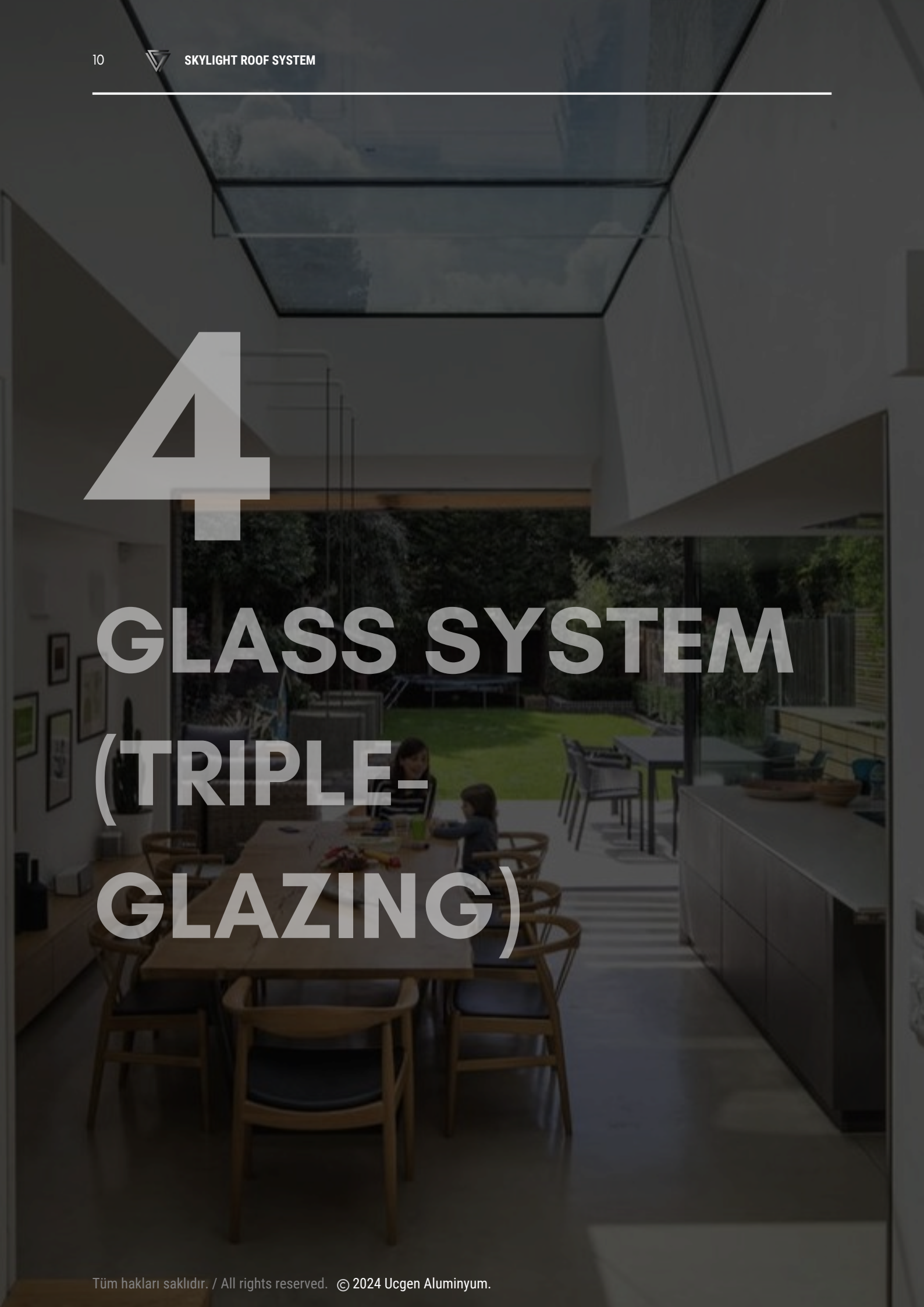


Düşey Griyaj / Vertical Mullion

Yatay Griyaj / Horizontal Transom

Kapak Profili / Cover Profile

Profil Genişliği / Profile Width	**50 mm**
Profil Et Kalınlığı / Profile Wall Thickness	**1,4 - 2,6 mm**
Düşey Taşıyıcı Profil (Griyaj) Derinliği / Mullion Profile Depth	**50 - 240 mm**
Yatay Taşıyıcı Profil (Griyaj) Derinliği / Transom Profile Depth	**50 - 166 mm**
Min. Cam Kalınlığı / Min. Glazing Thickness	**4 mm**
Max. Cam Kalınlığı / Max. Glazing Thickness	**45 mm**
Min. Kanat Boyutu / Min Sash Dimension	**700 - 1200 mm**
Maks. Kanat Boyutu / Max. Sash Dimension	**1500 - 2000 mm**
Maks. Kanat Ağırlığı / Max. Sash Weight	**155 kg**



4

GLASS SYSTEM (TRIPLE-GLAZING)

Achieve extreme performance.

THERMAL INSULATION AS NEVER SEEN BEFORE

Equipped with solar control and low emissity triple-glazing system, using our thermo series aluminum windows with thermal break, we have reached a thermal inductivity value of as low as **U = 0.5 W/m2.K,** perfect for extreme conditions **from Norway to Saudi Arabia.** Stay in control over heat.

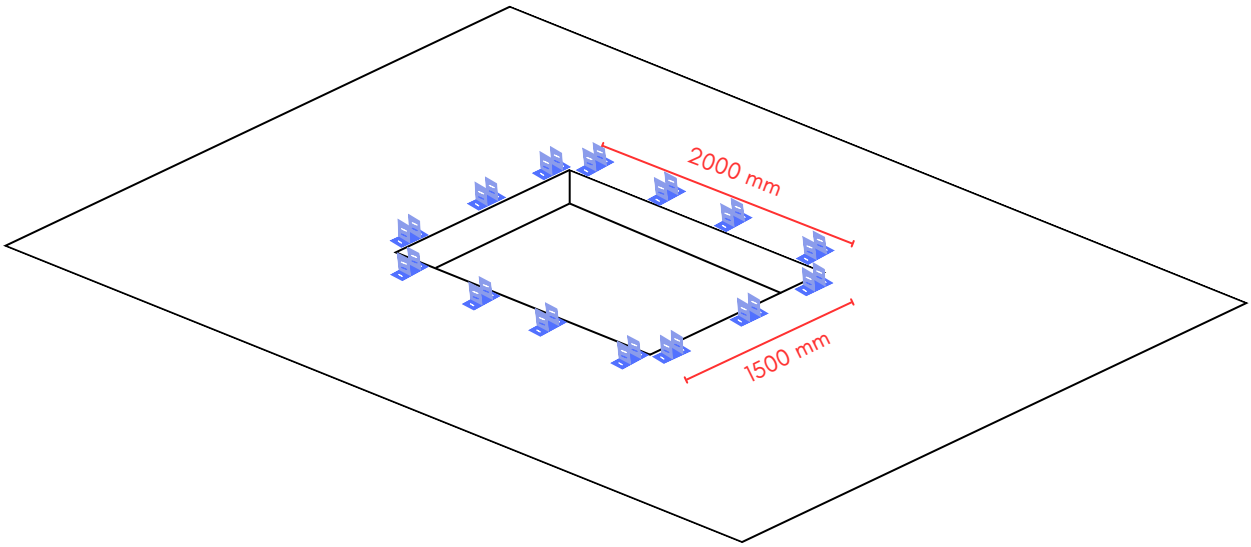
LARGE UNITS AND HEAVY GLASS

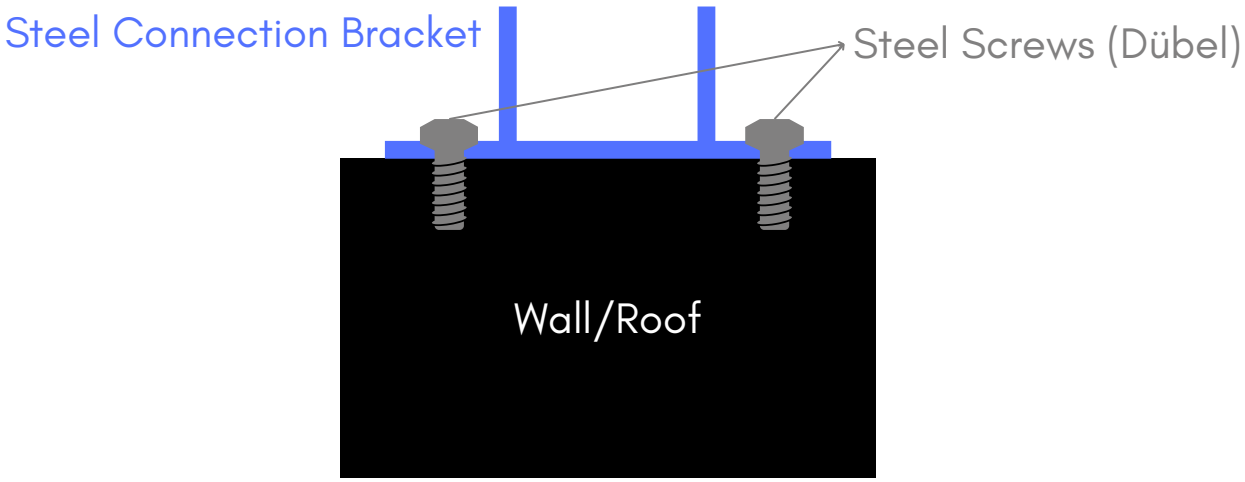
Combined with aluminum or steel/iron reinforcement profiles, our facade system can carry huge glass units and allows for large openings, especially if the system is fixed.

5 INSTALLATION DETAILS

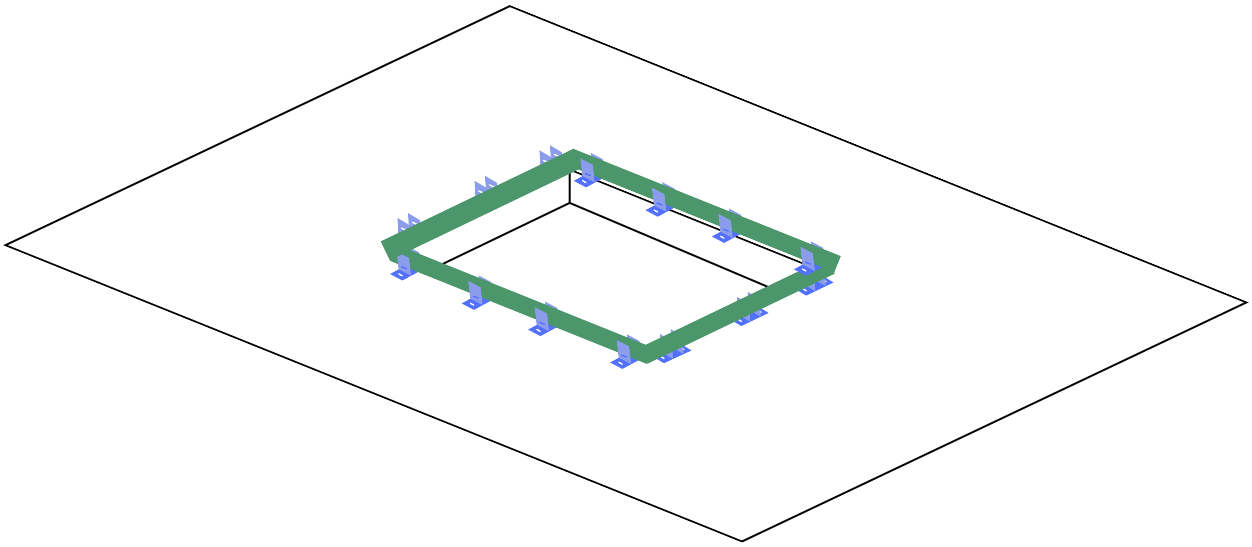
Easy installation, proven water tightness.

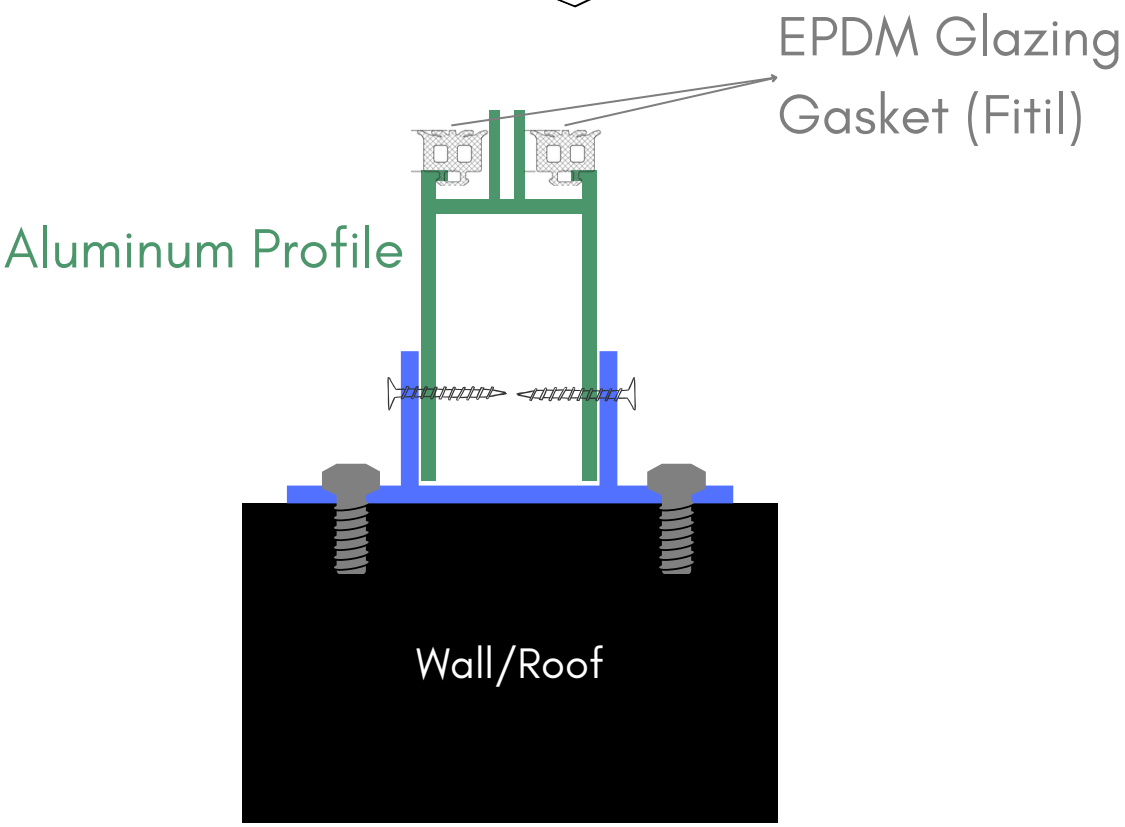
Step 1: Screw the connection brackets to the wall/roof.
Ankraj bağlantılar duvara çelik dübellerle vidalanır.



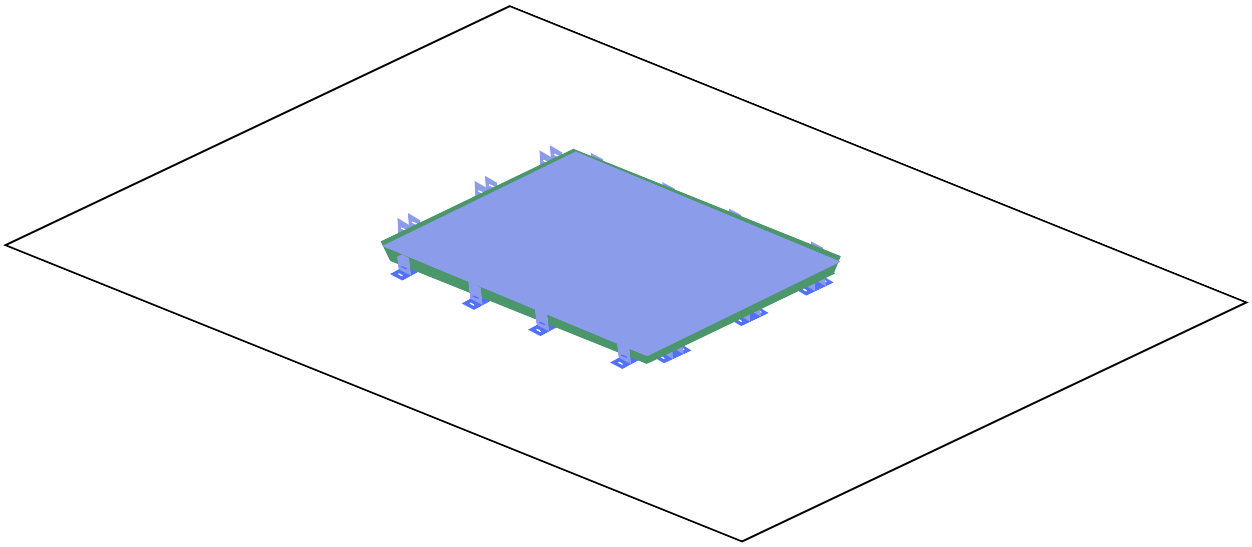


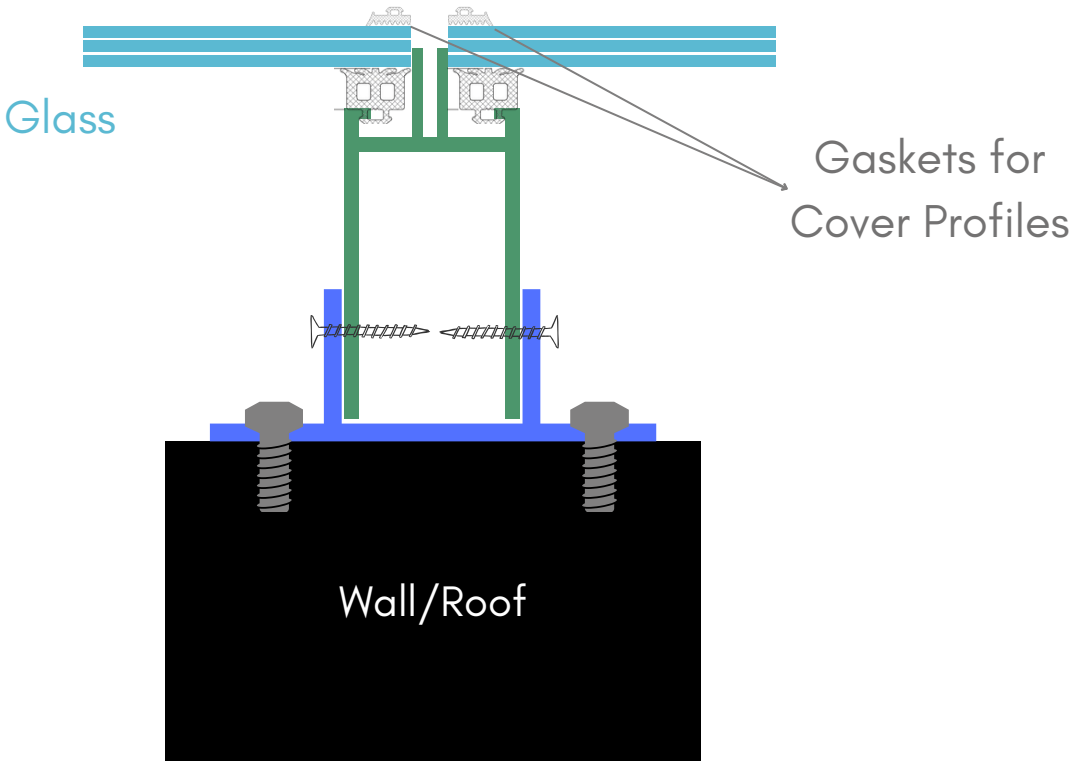
Step 2: Install the aluminum profiles, and put EPDM gaskets.
Alüminyum profiller ankrajların içerisine montaj vidasıyla monte edilir, sonra da camların üzerin bineceği fitiller çekilir.





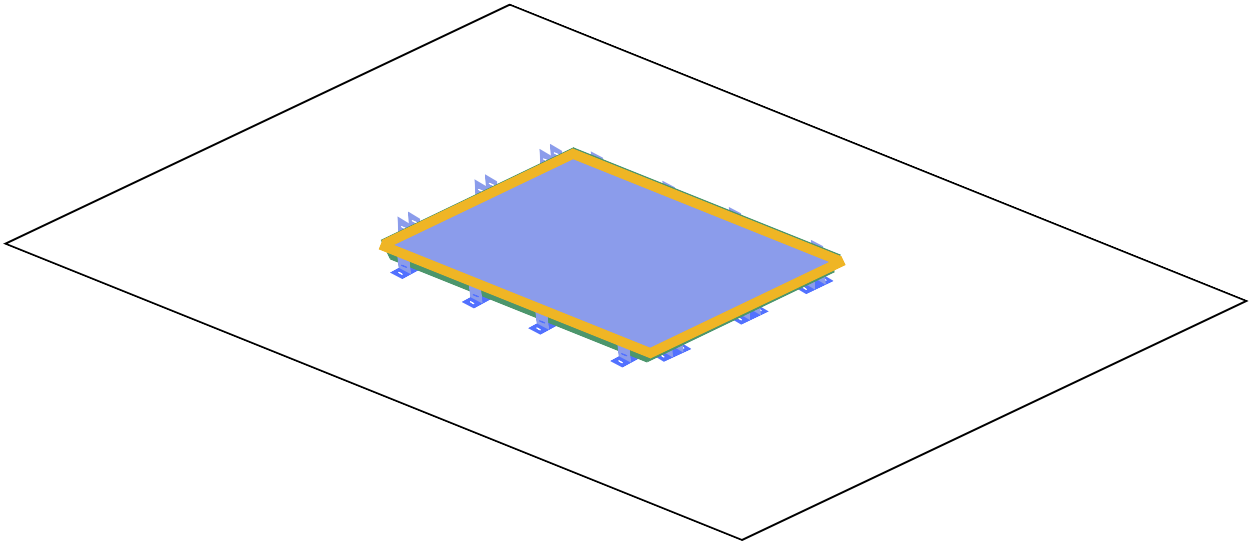
Step 3: Mount the glass unit, put gaskets for cover profiles.
Camlar profillerin üzerine oturtulur ve kapak/baskı profillerinin üzerine geleceği fitiller cama yapıştırılır.

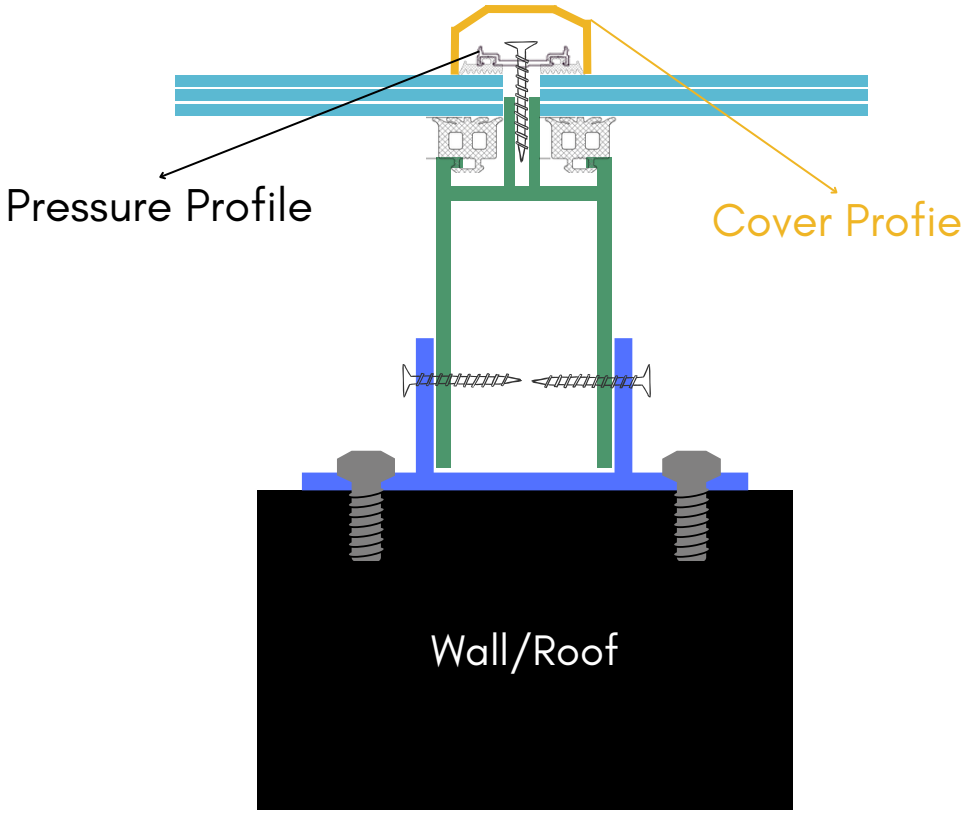




Step 4: Mount first the pressure profiles, screw them, then mount the cover profiles to fix the glass.

Camı yerine sabitlemek için önce baskı profilleri vidalanır, sonra da üzerine kapak profilleri kapatılır.





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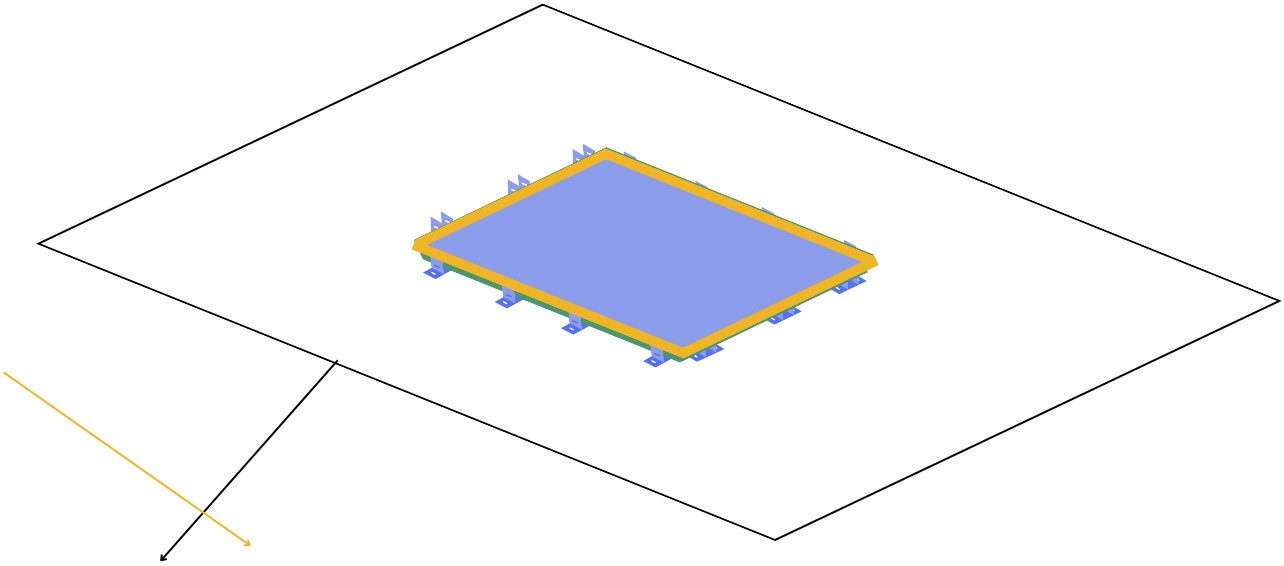

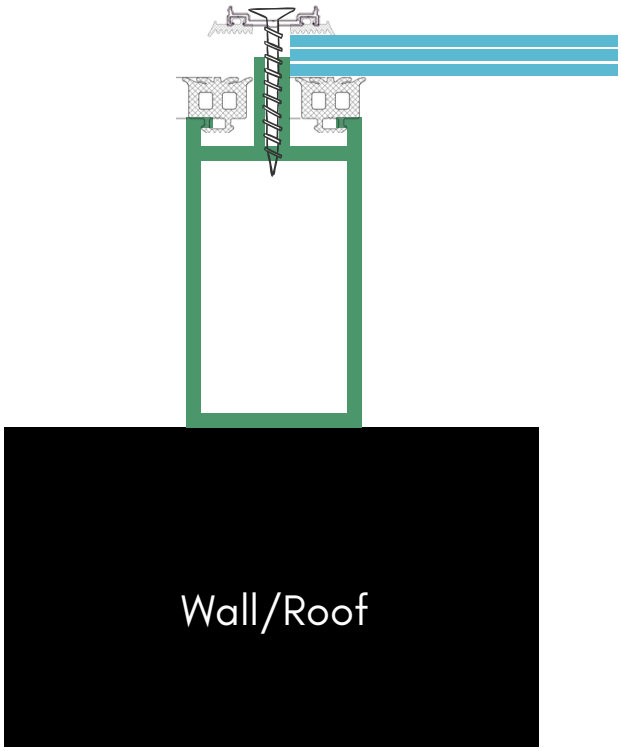

Step 5: Finishing: Put silicone sealents and cover the surrounding with aluminum composite panel, add another sealent layer to secure water tightness.

Silikon çekilir ve sistemin çevresi alüminyum kompozit levha ile kapatılır. Kompozit levha üzerine bir kat daha silikon çekilerek su sızdırmazlığı garantilenir.