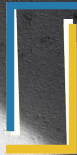


GHID DE ASAMBLARE

PERGOLA BIOCLIMATICA
ASTRA DUAL-LUX

astra
shading

ASTRA SHADING

astra shading

Elevating Homes,
Inspiring Lives.



ASTRA SHADING

Who We Are?

(EN)

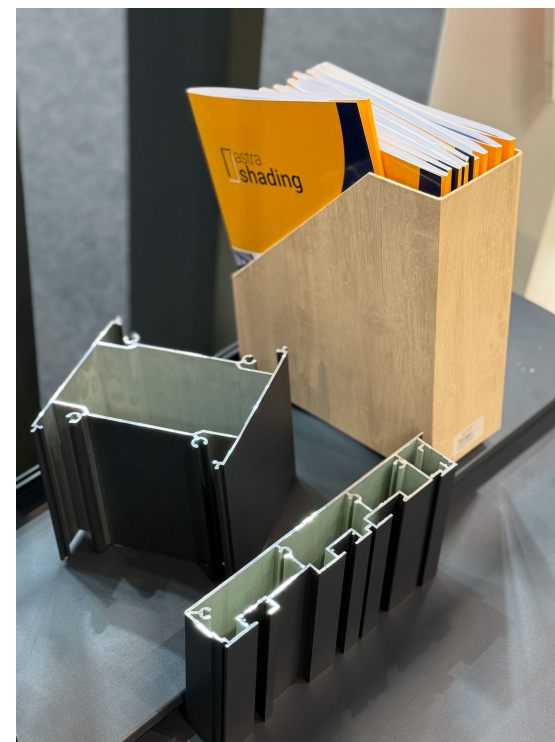
At Astra Shading, we believe that outdoor spaces should combine beauty, comfort, and functionality. Our mission is to create systems that turn terraces and gardens into welcoming spaces for every season.

We design and manufacture premium pergolas, glass enclosures, zip screens, and aluminum fences — all made in Romania to European standards. With personalized solutions and dedicated support, we work closely with dealers, builders, and architects across Europe.

(RO)

La Astra Shading, credem că spațiile exterioare trebuie să îmbine eleganța, confortul și funcționalitatea. Misiunea noastră este să oferim sisteme care transformă terasele și grădinile în locuri plăcute, în orice anotimp.

Proiectăm și producem în România pergole premium, închideri din sticlă, zip screen-uri și garduri din aluminiu, la standarde europene. Oferim soluții personalizate și suport dedicat partenerilor din întreaga Europă — distribuitori, montatori și arhitecți.



SISTEME BIOCLIMATICE ASTRA SHADING

BIOCLIMATIC SYSTEMS ASTRA SHADING

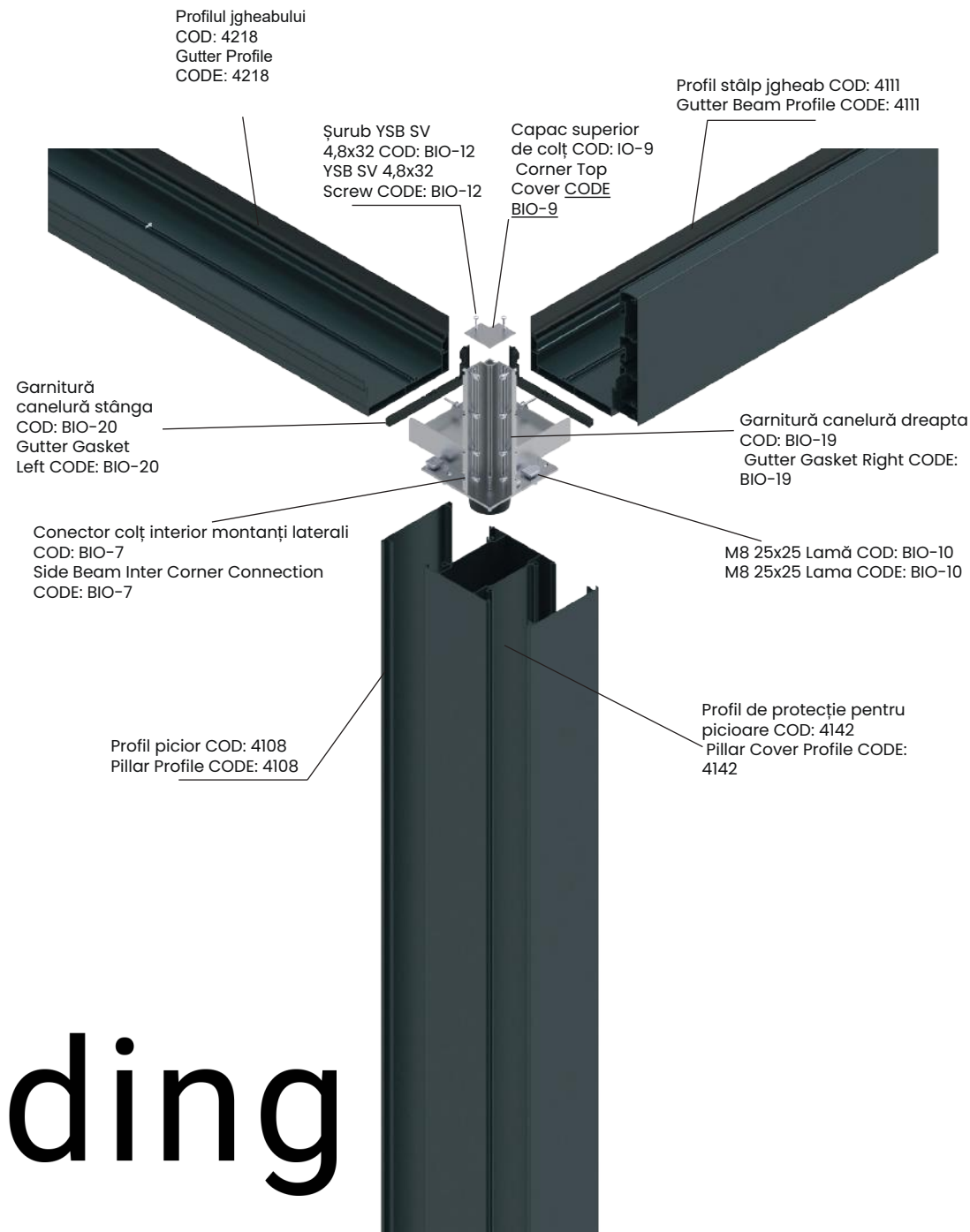
Sistemul bioclimatic îndeplinește cerințele arhitecturii moderne, oferind o utilizare confortabilă în aer liber pe tot parcursul anului, datorită structurii sale rezistente și estetice. Panourile special proiectate, care se pot deschide și închide, permit controlul luminii solare, al ventilației și al umbririi.

Datorită sistemului de drenaj al apei de ploaie și profilurilor durabile, oferă o utilizare de lungă durată. Funcția sa de climatizare naturală asigură eficiență energetică, iar designul elegant și funcțional adaugă valoare teraselor, grădinilor, cafenelelor și restaurantelor.

Opțional, sistemul poate fi integrat cu iluminare, încălzire, automatizare și închideri din sticlă, oferind un nivel superior de confort și un stil de viață modern.

The Bioclimatic System offers year-round outdoor comfort with its high durability and aesthetic design, meeting the requirements of modern architecture. Its specially designed retractable panels provide the ability to control sunlight, ventilation, and shading.

With its integrated rainwater drainage system and durable profiles, the system ensures long-lasting use while delivering natural climate control for improved energy efficiency. Its stylish and functional design adds value to living spaces such as terraces, gardens, cafés, and restaurants. Optional integrations such as lighting, heating, automation, and glass enclosure systems provide an enhanced level of living comfort.

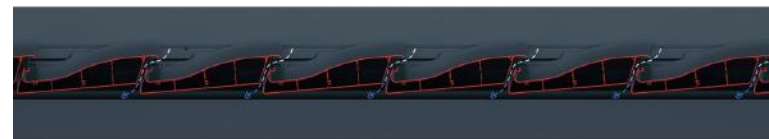


Montaj de colț comun

astra
shading



Facilitează pătrunderea luminii solare
FACILITATES THE PENETRATION
OF SUNLIGHT



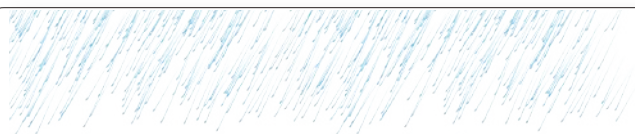
5°

Permite aerisirea spațiului chiar și atunci când plouă sau
ninge.
ALLOWS VENTILATION OF THE AREA EVEN
WHEN IT IS RAINING OR SNOWING



0°

Menținerea lamelelor închise oferă protecție împotriva tuturor
condițiilor meteorologice.
KEEPING THE SLATS CLOSED PROVIDES PROTECTION
AGAINST ALL WEATHER CONDITIONS

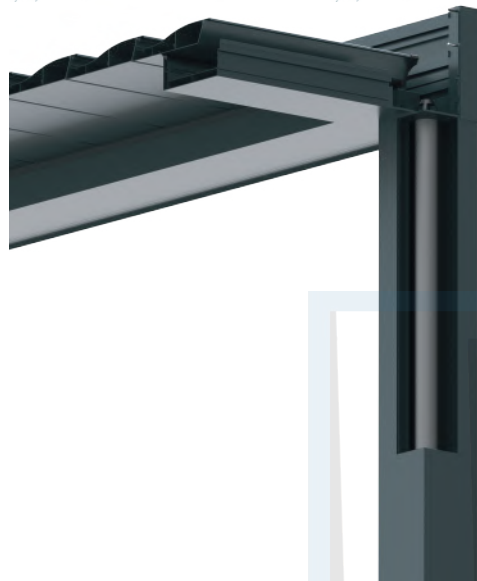


Sistem de drenaj al apei de ploaie

Sistemele bioclimatice sunt concepute pentru a colecta apa de ploaie. Apa este direcționată din panouri către jgheaburi. Apa colectată este evacuată spre exterior prin interiorul profilului stâlpului. Pentru evacuarea apei de ploaie se realizează decupaje (șanțuri) în profilul jgheabului și în profilul stâlpului.

RAINWATER DRAINAGE SYSTEM

BIOCLIMATIC SYSTEMS ARE DESIGNED TO COLLECT RAINWATER. WATER IS DIRECTED FROM THE PANELS TO THE GUTTERS. THE COLLECTED WATER IS DISCHARGED TO THE OUTSIDE THROUGH THE INTERIOR OF THE VERTICAL PROFILE. TO ENABLE RAINWATER DISCHARGE, NOTCHES (GROOVES) ARE MADE IN BOTH THE GUTTER PROFILE AND THE VERTICAL PROFILE.



Colectarea apei de pe panouri
PANEL WATER COLLECTION

Dirrecția apei în jgheab
WATER FLOW DIRECTION IN GUTTER

Dirrecția de scurgere a apei
DIRECTION OF WATER FLOW

SISTEM DE DRENAJ AL APEI PLUVIALE

Sistemele bioclimatice sunt proiectate pentru a colecta apa de ploaie. Apa este direcționată de pe panouri către jgheaburi. Apa colectată este evacuată spre exterior prin profilul vertical. Pentru a facilita evacuarea apei pluviale, se aplică un proces de decupare atât pe profilul jgheabului, cât și pe profilul vertical.

RAINWATER DRAINAGE SYSTEM

THE BIOCLIMATIC SYSTEMS ARE DESIGNED TO COLLECT RAINWATER. THE WATER IS DIRECTED FROM THE PANELS TO THE GUTTERS. THE COLLECTED WATER IS TRANSFERRED TO THE OUTSIDE THROUGH THE VERTICAL PROFILE. TO FACILITATE THE DISCHARGE OF RAINWATER, A NOTCH PROCESS IS APPLIED TO BOTH THE GUTTER PROFILE AND THE VERTICAL PROFILE.



Stâlp
PILLAR

Dirrecția de scurgere a apei
DIRECTION OF WATER FLOW

Evacuarea apei
WATER OUTLET

Ansamblu șasiu principal bioclimatic/ Bioclimatic Main Chassis Assembly

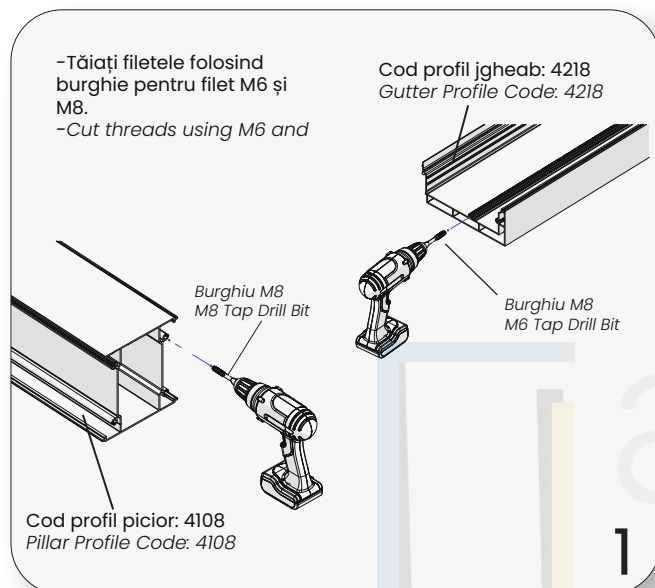
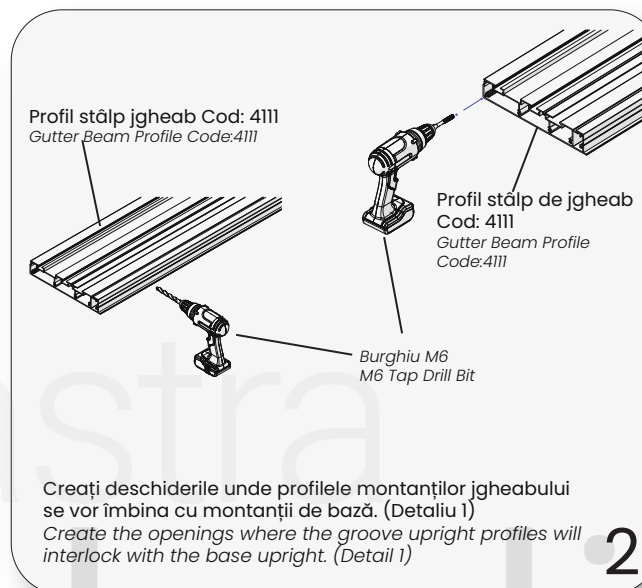
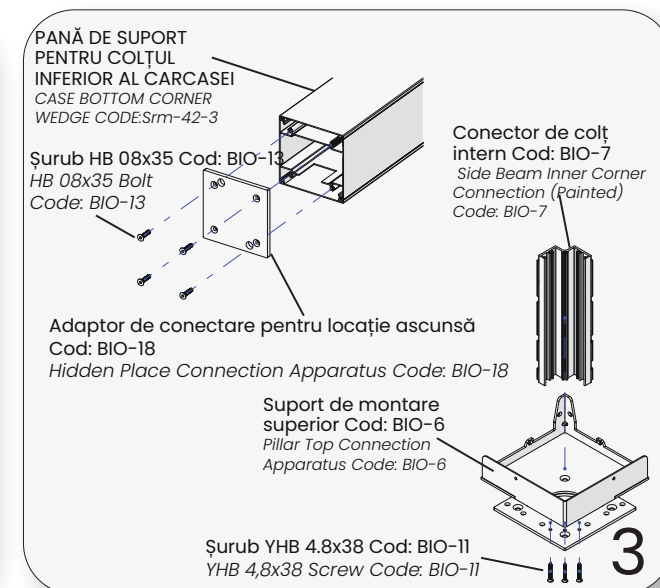
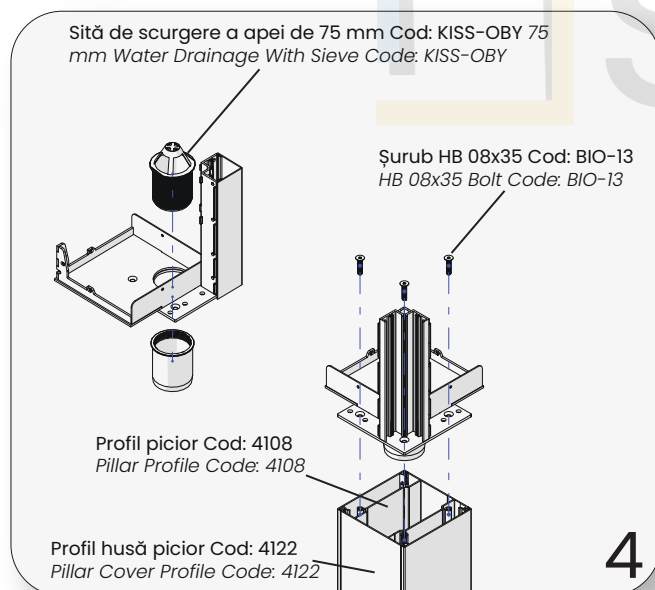
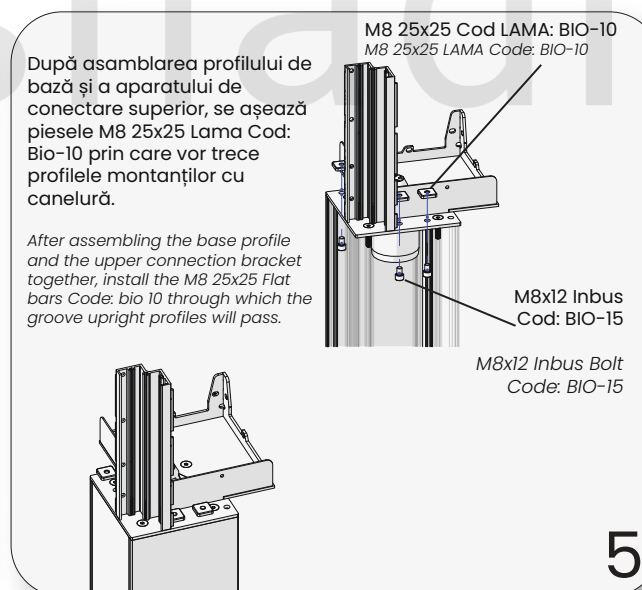
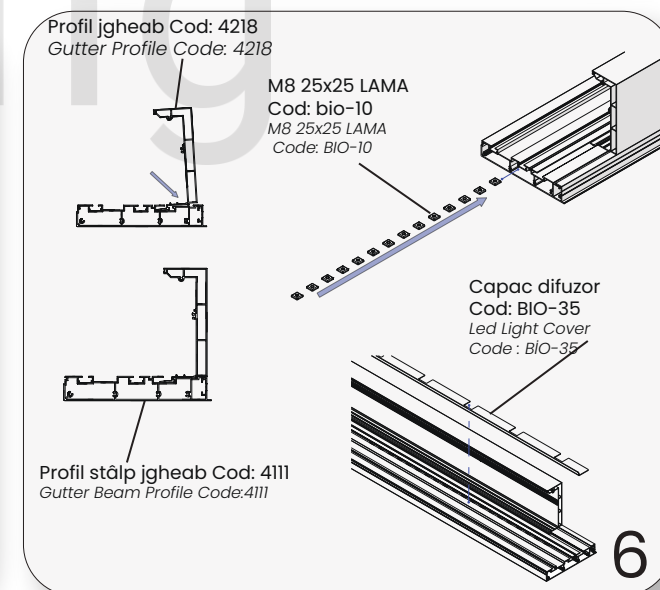


Diagrama ansamblului șasiului principal bioclimatic / Bioclimatic Main Chassis Assembly Diagram

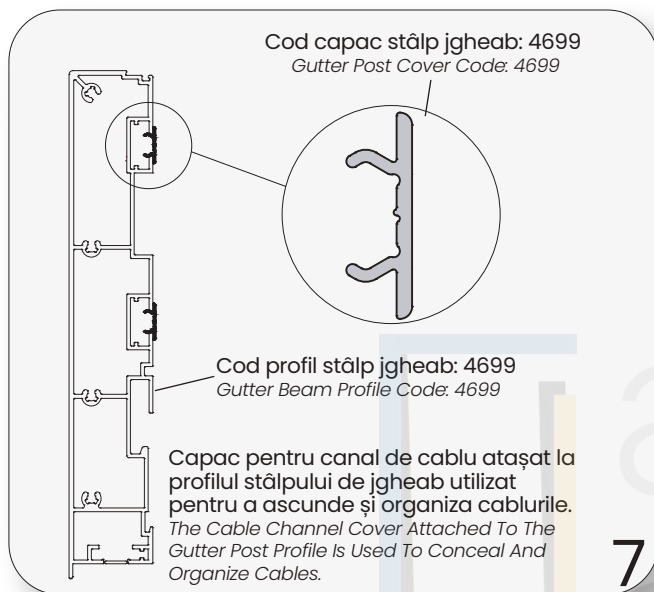
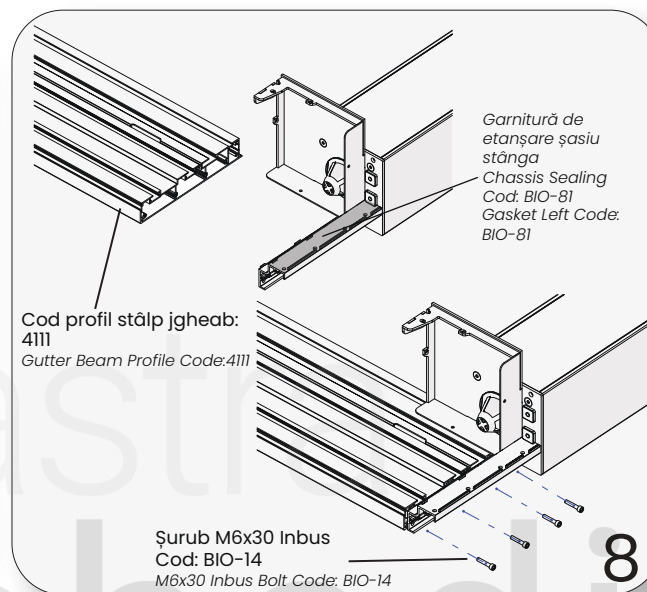
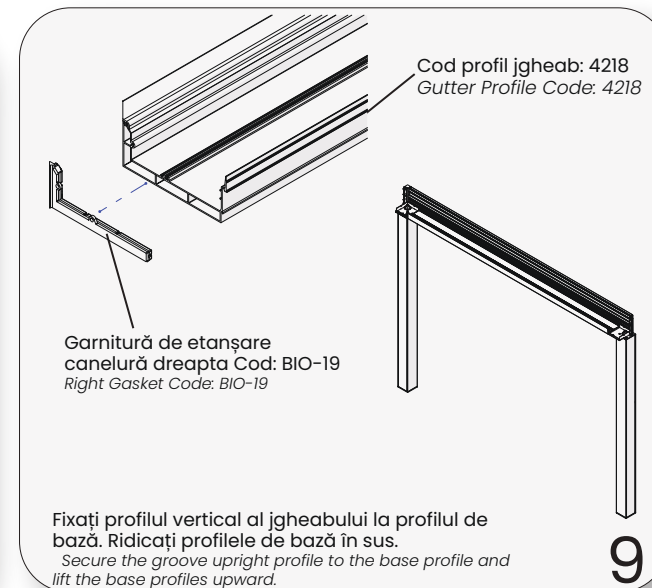
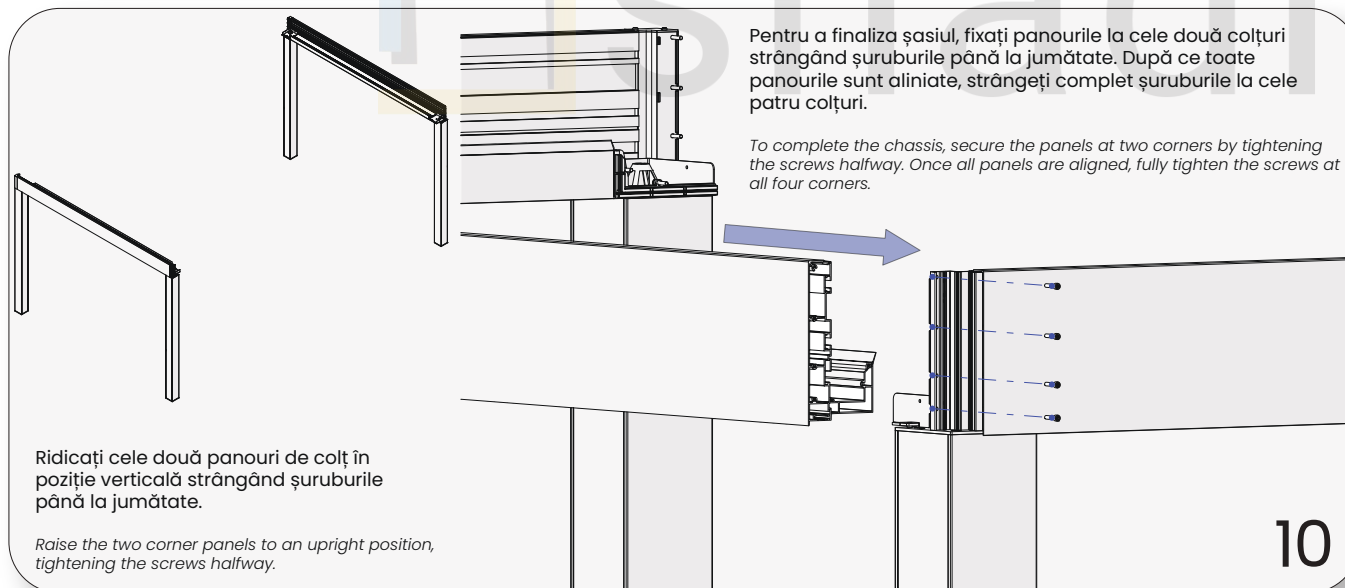
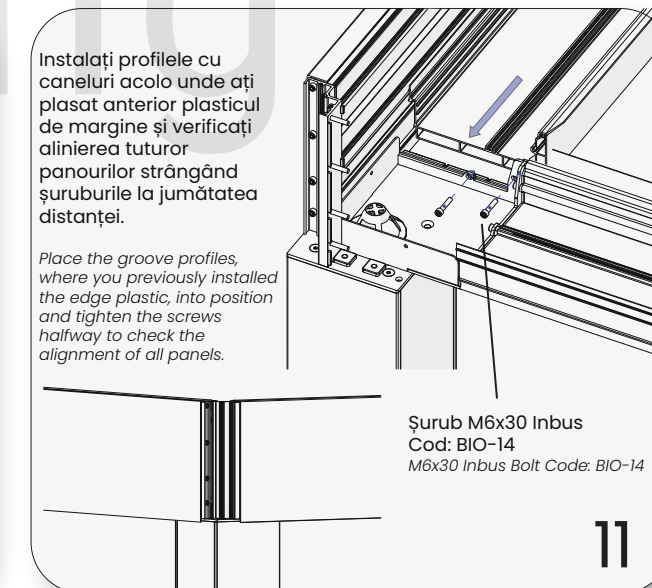
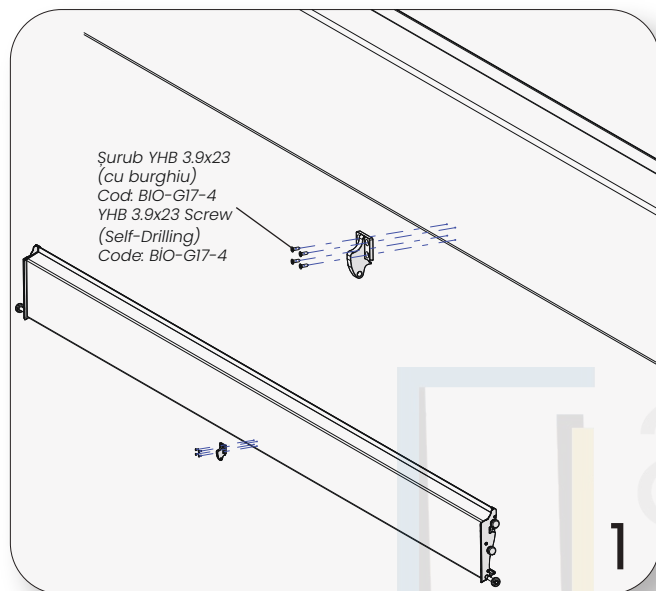
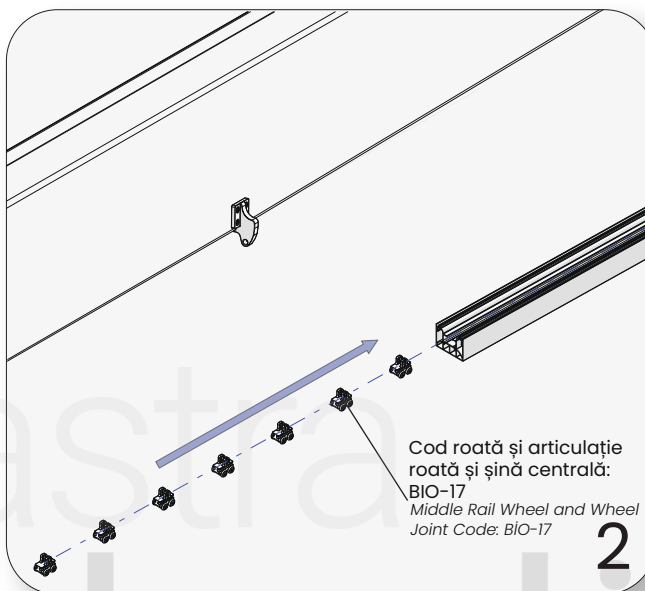
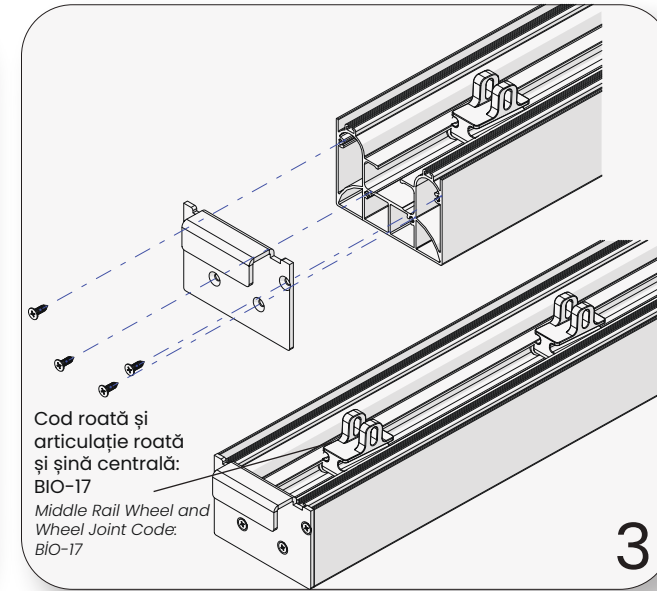
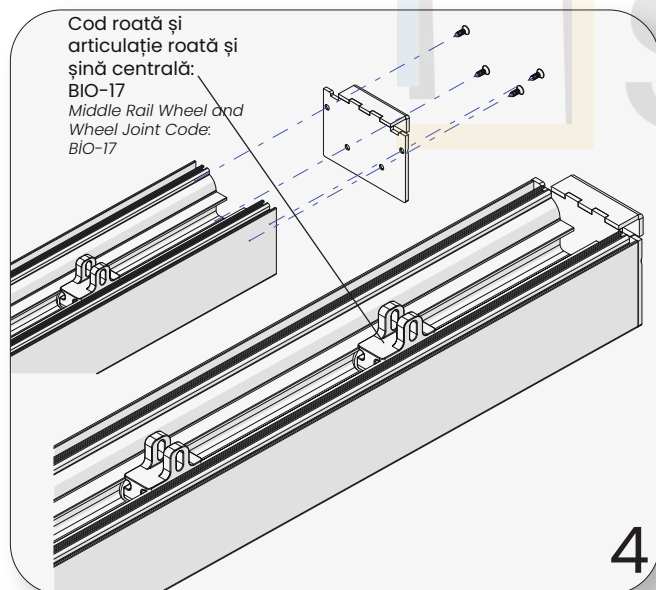
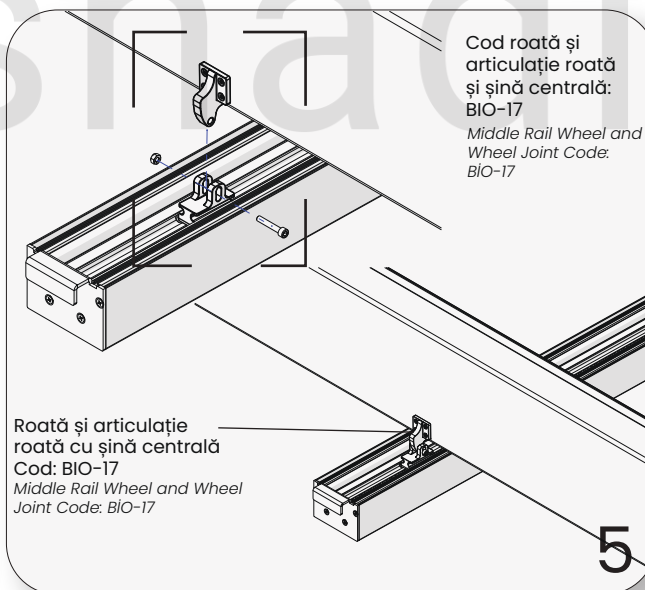
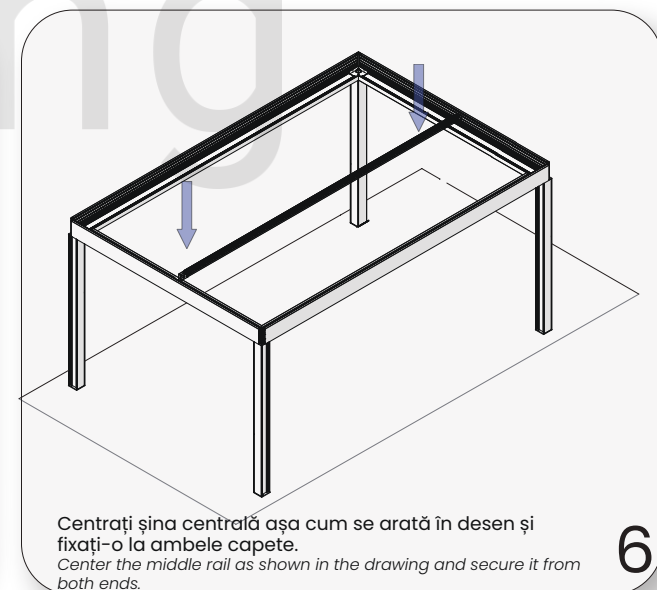
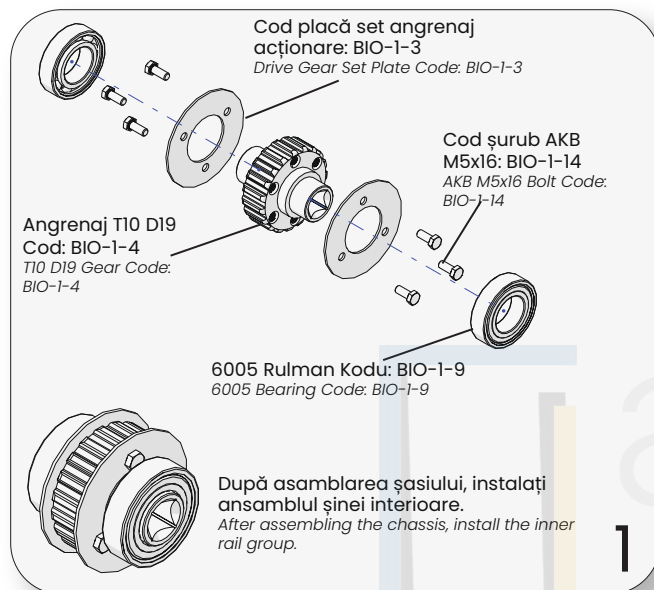
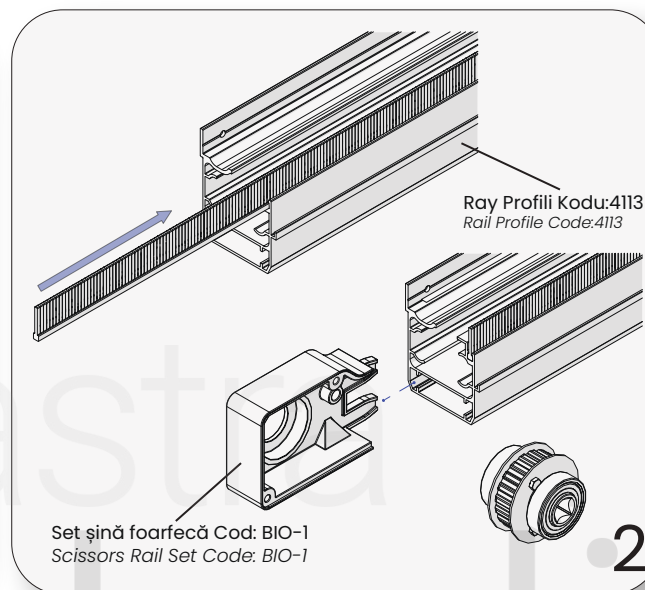
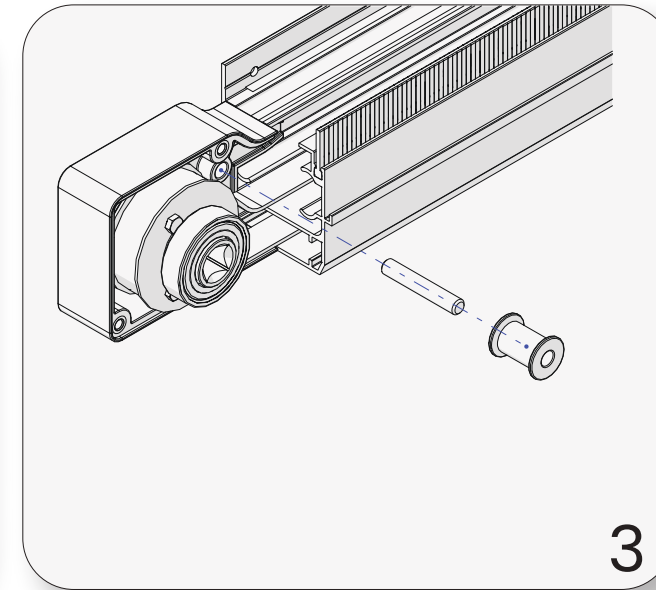
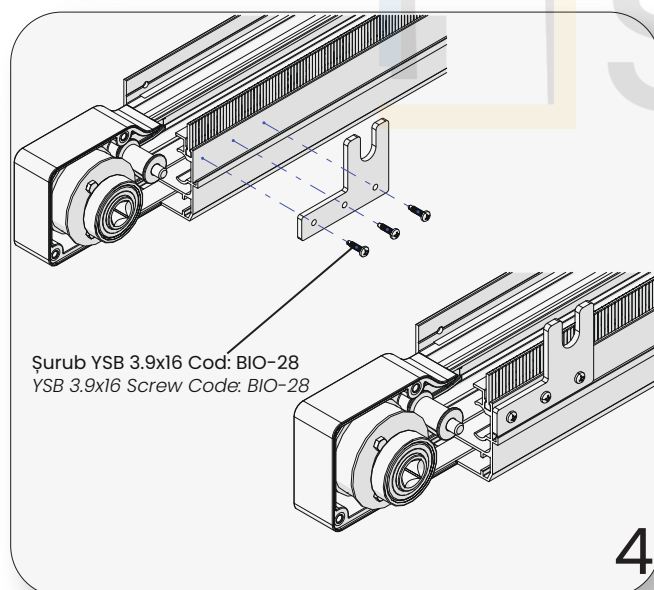
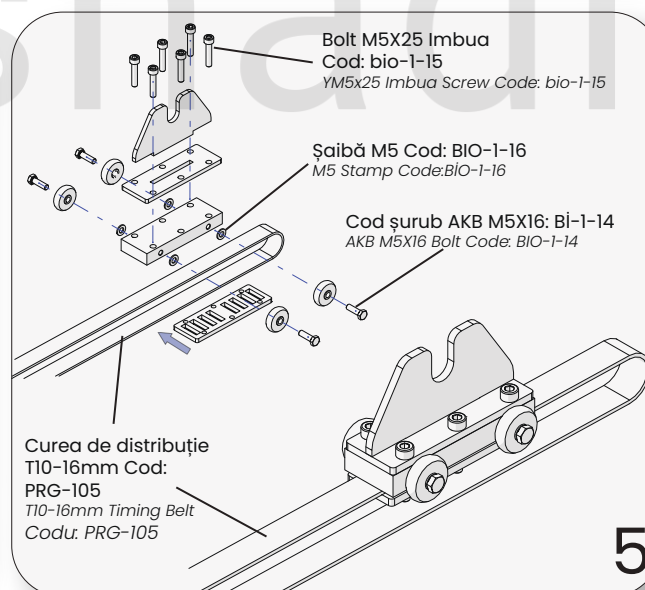
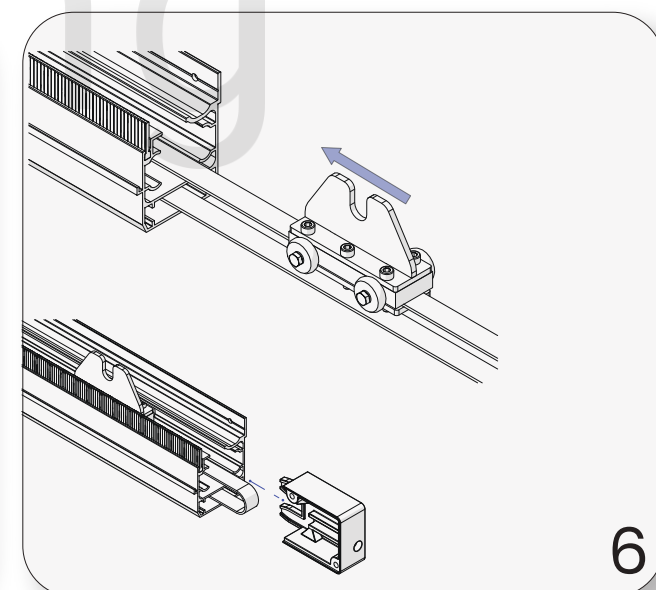
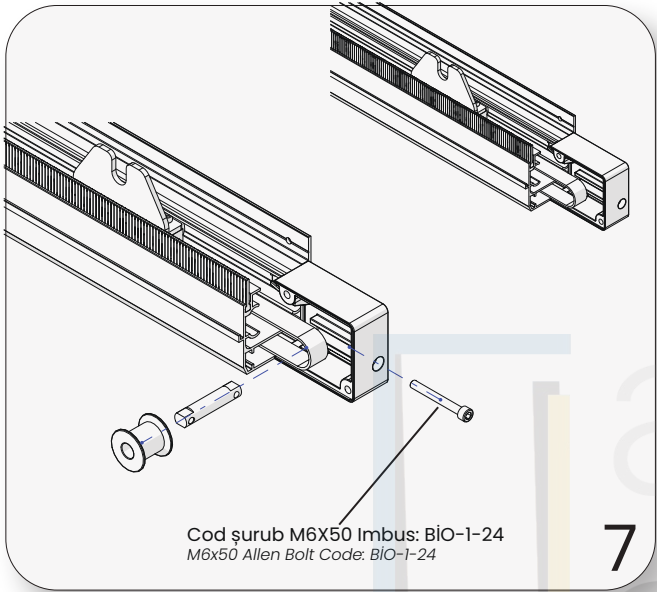
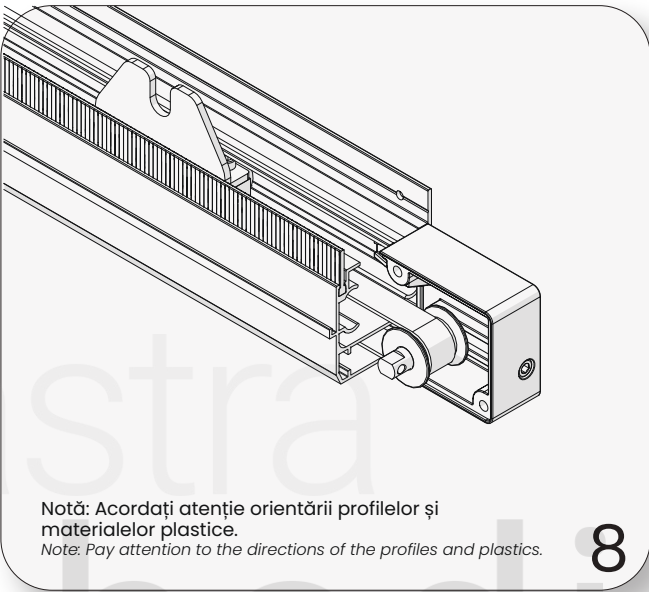
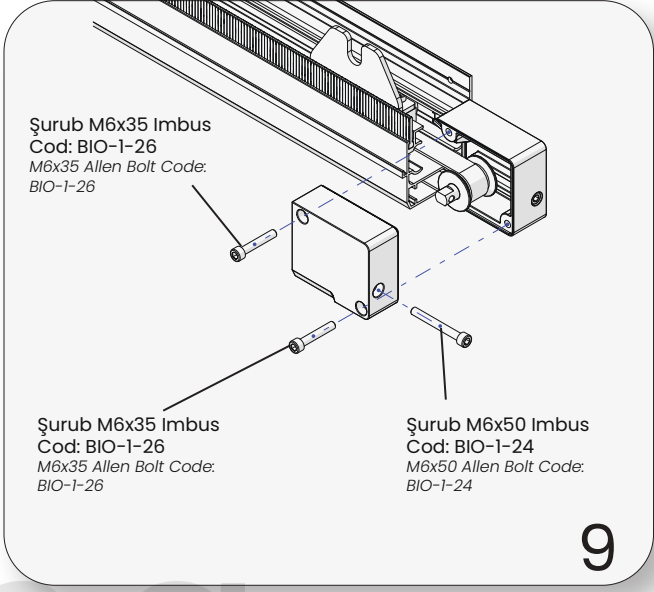
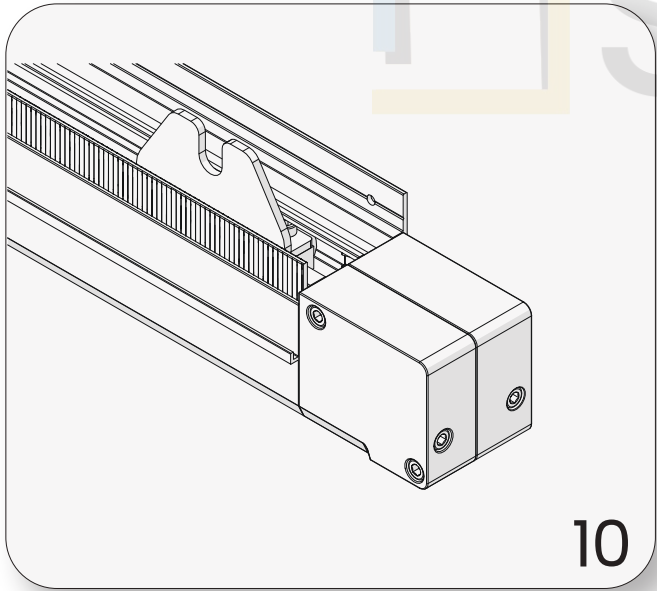
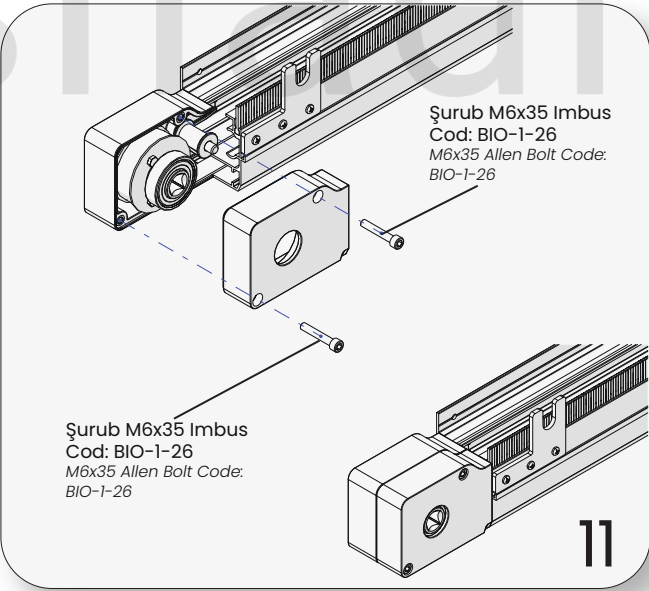
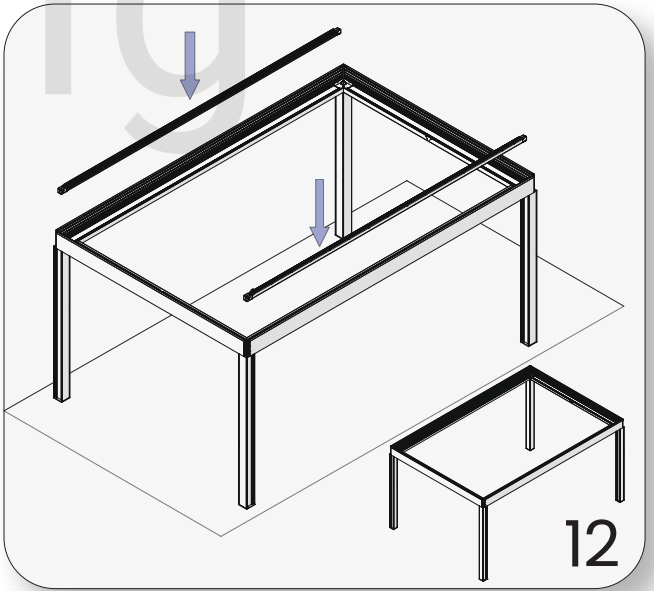


Diagrama ansamblului șinei intermediare bioclimatice / Bioclimatic Middle Rail Assembly Diagram

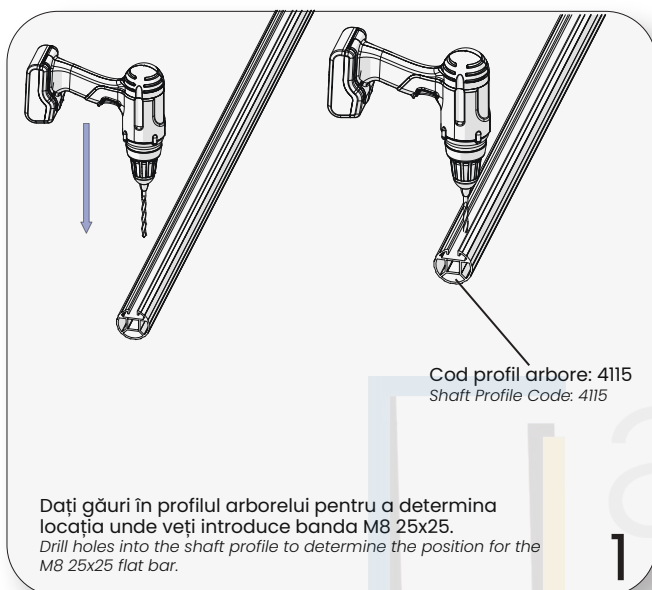
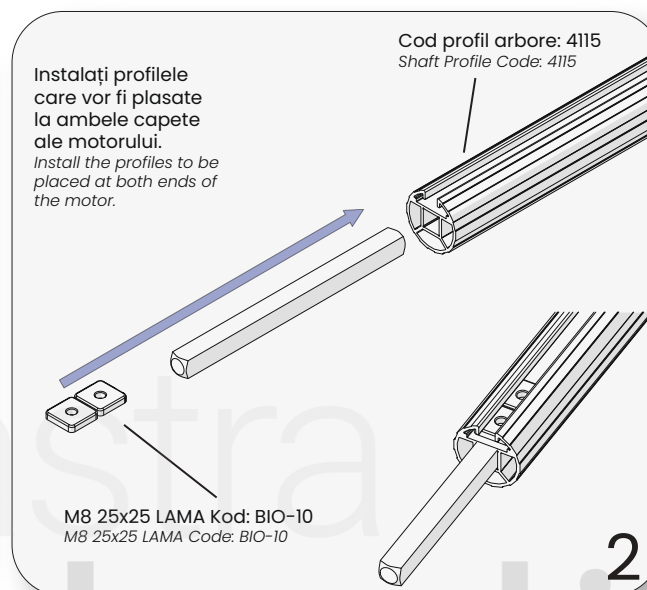
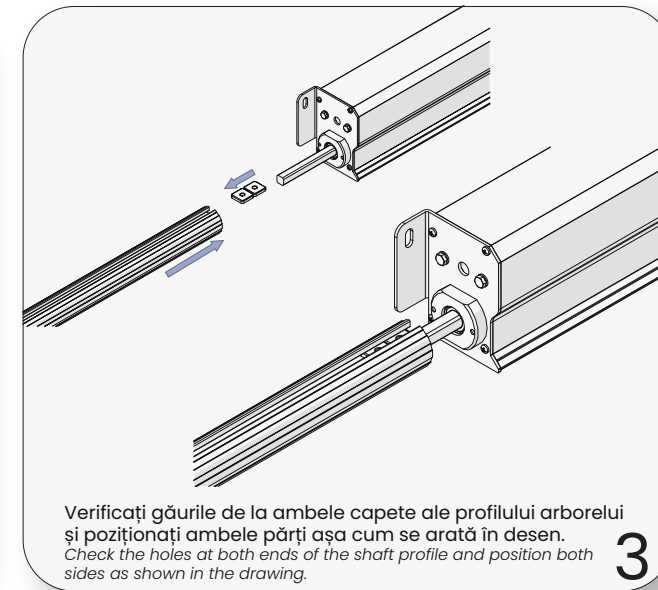
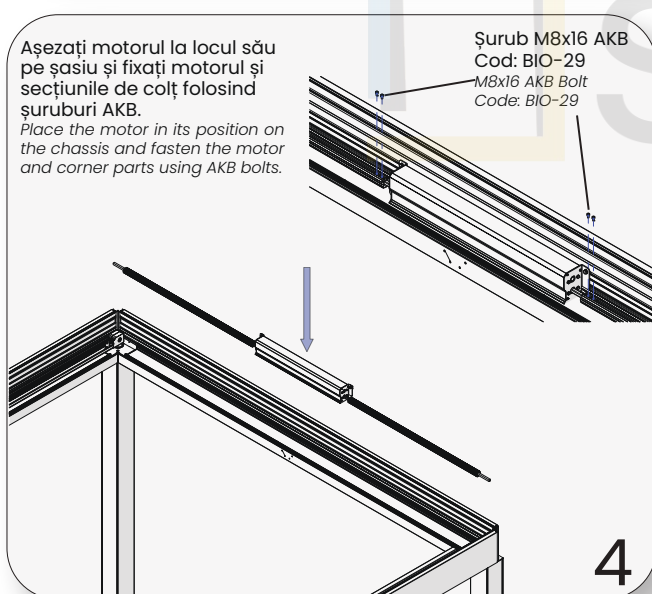
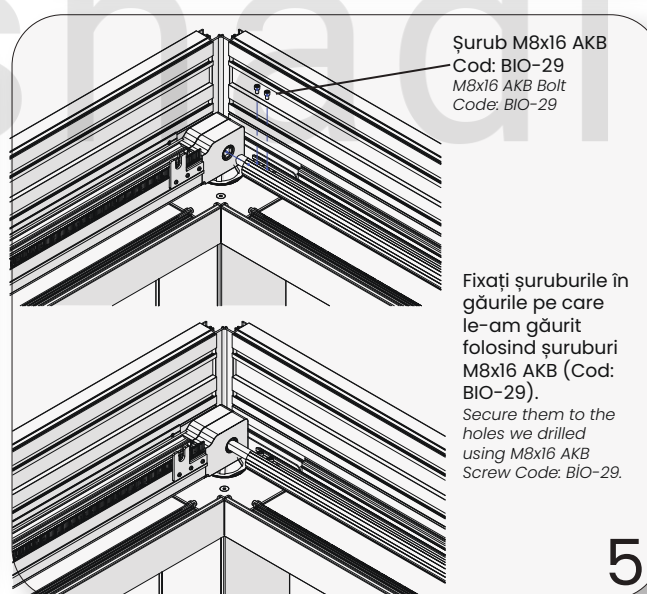
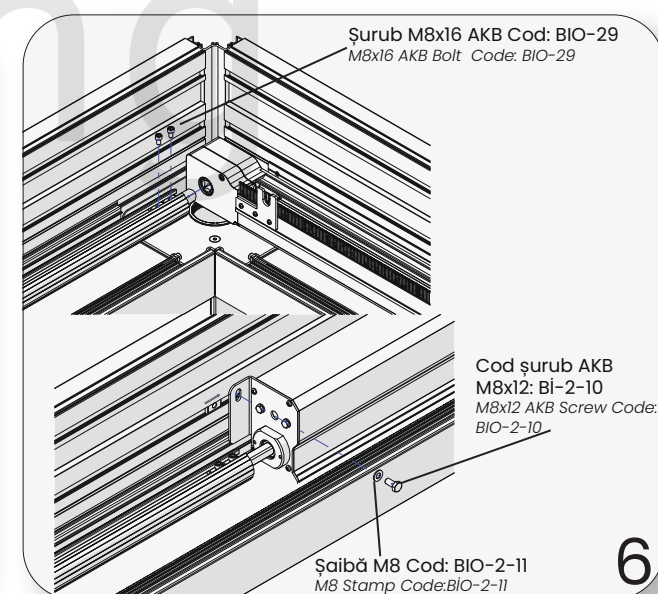


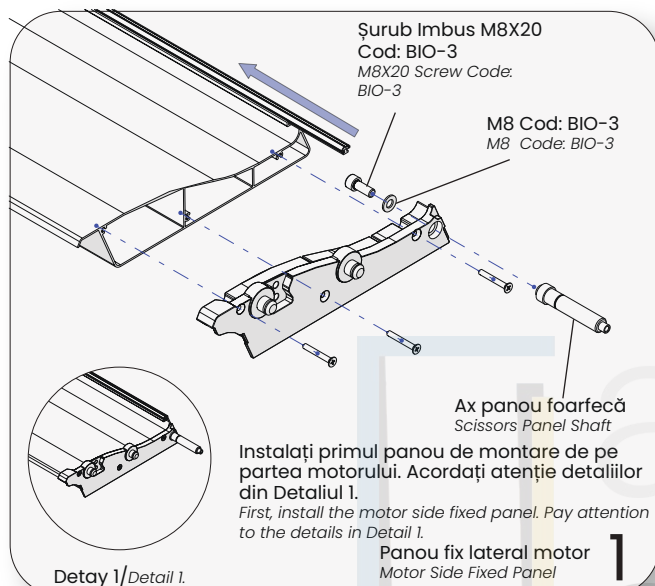
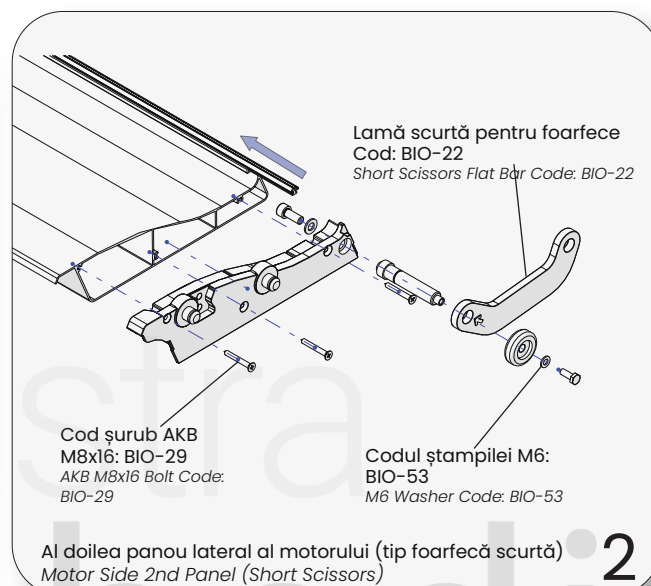
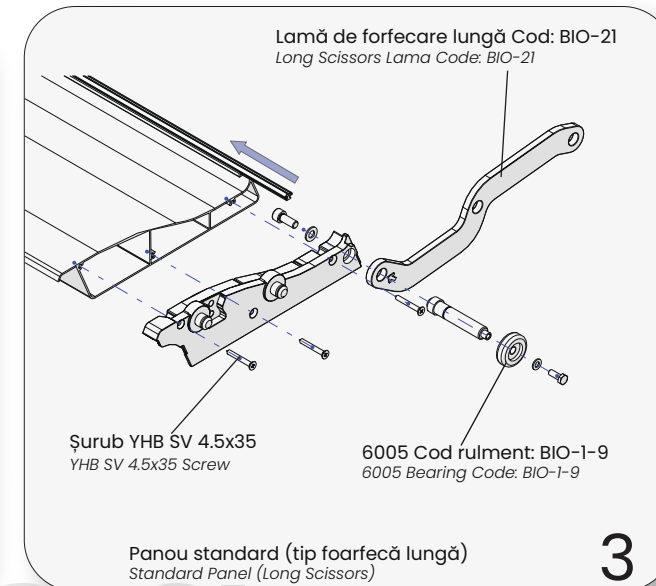
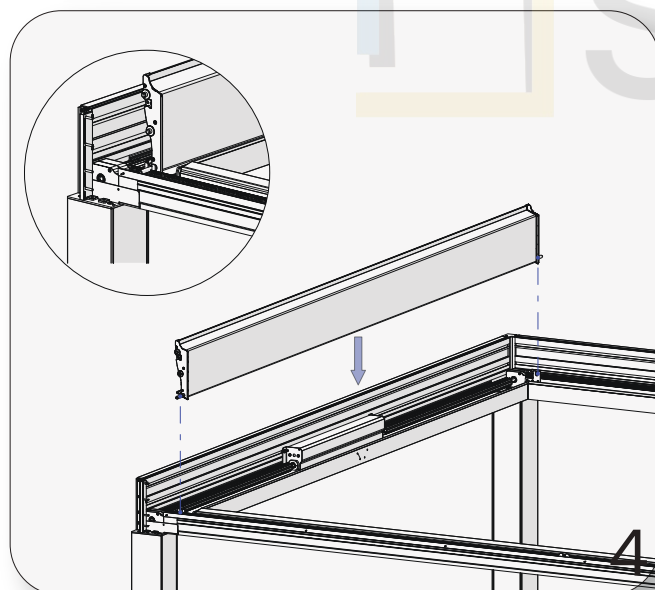
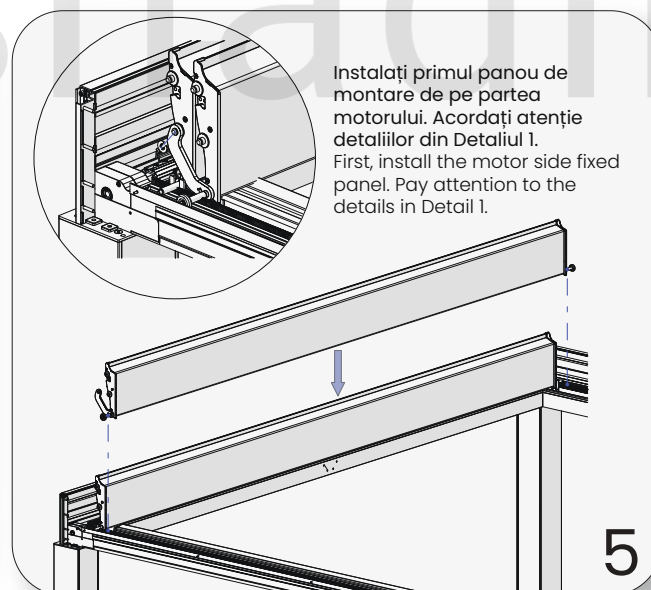
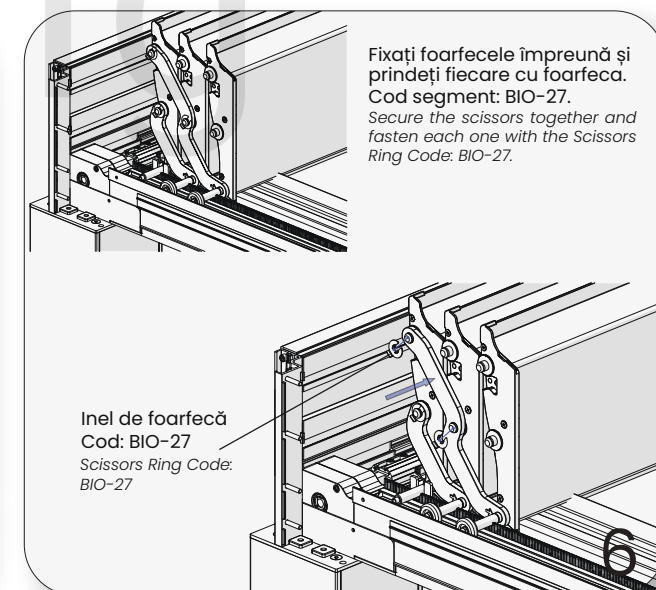
Accesorii Sistem / System Accessories

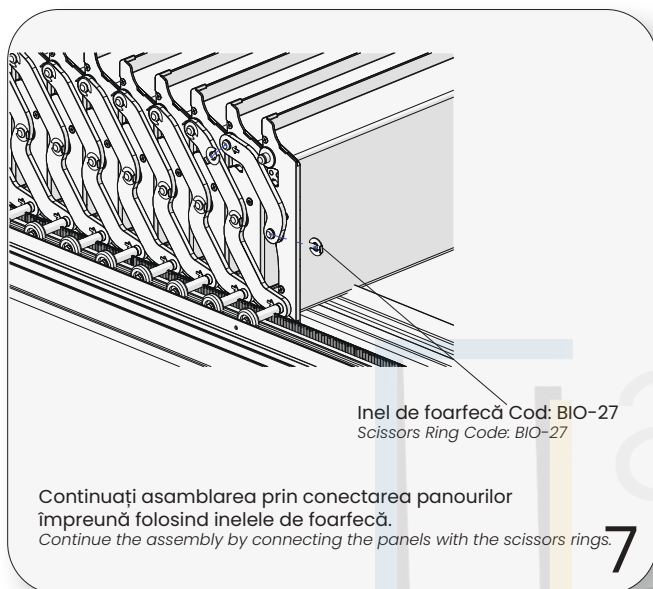
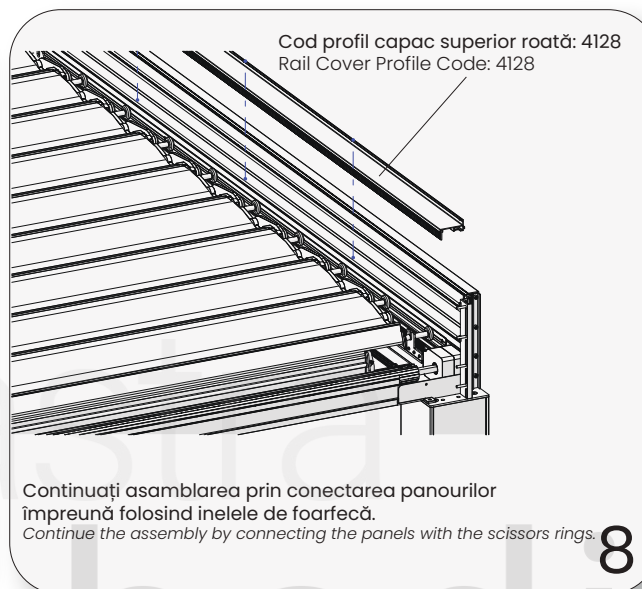
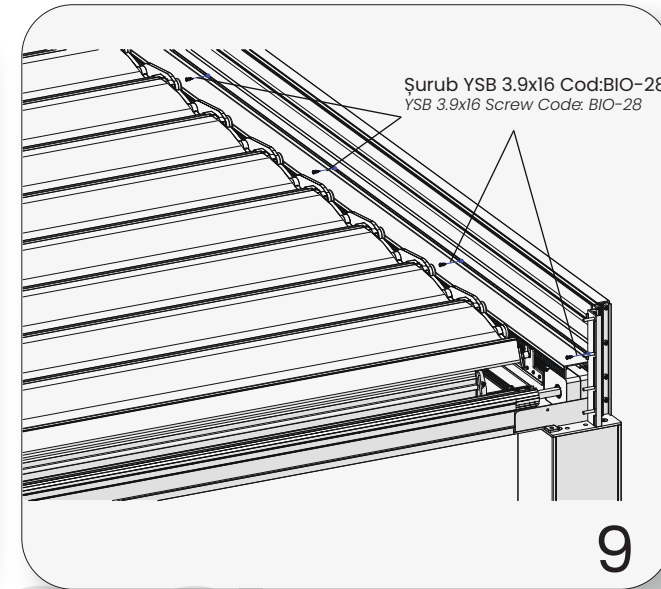
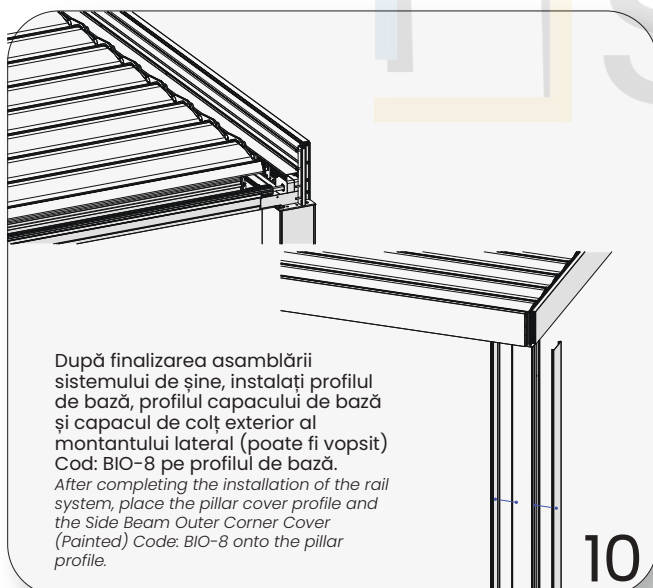
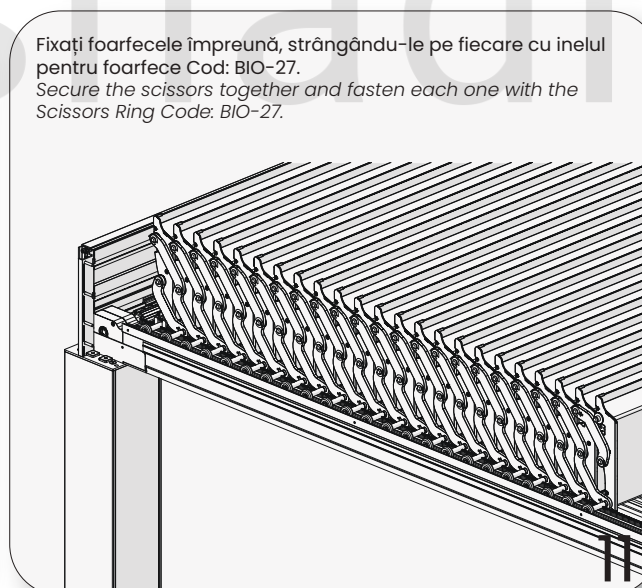
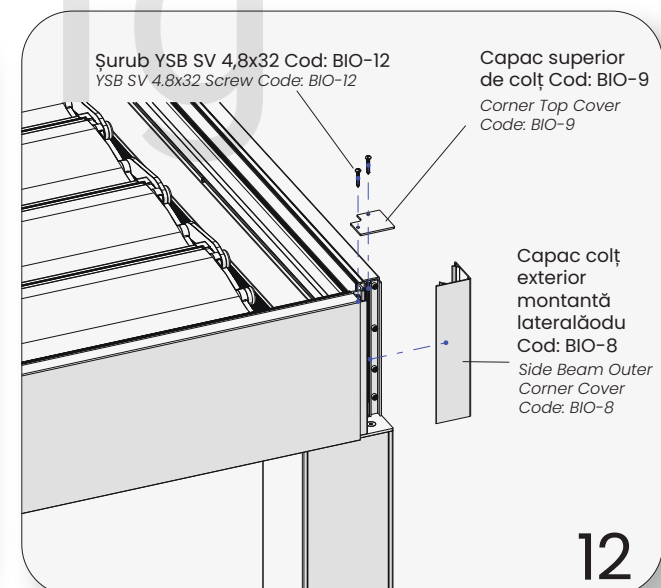




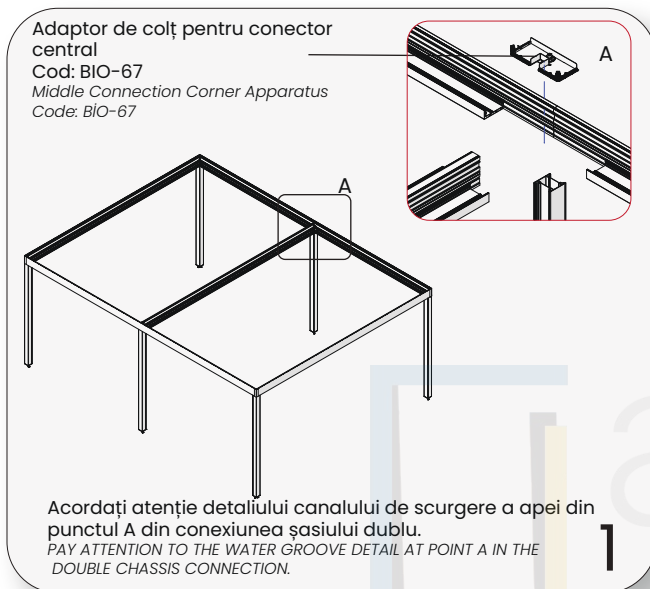
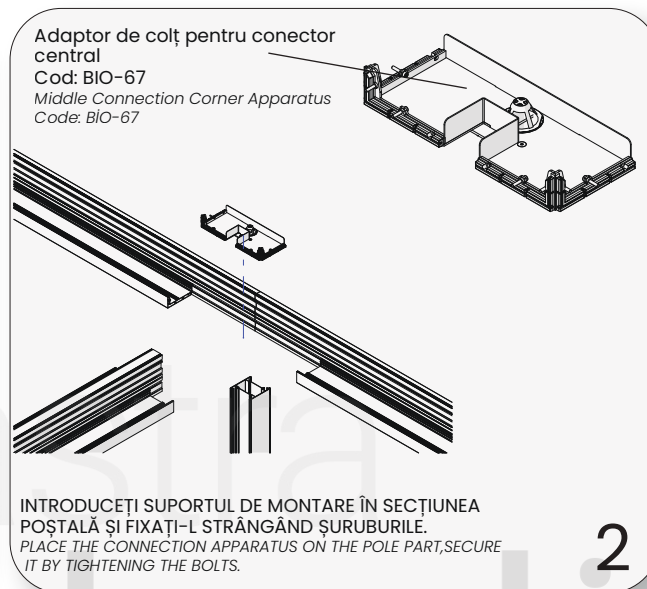
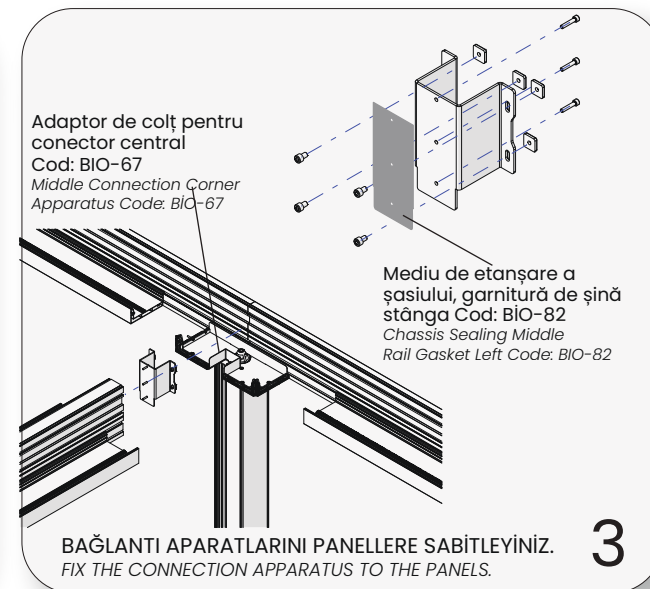
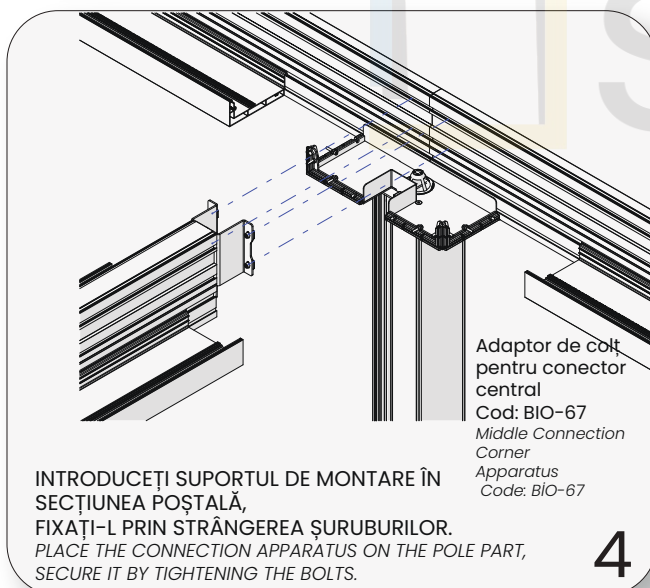
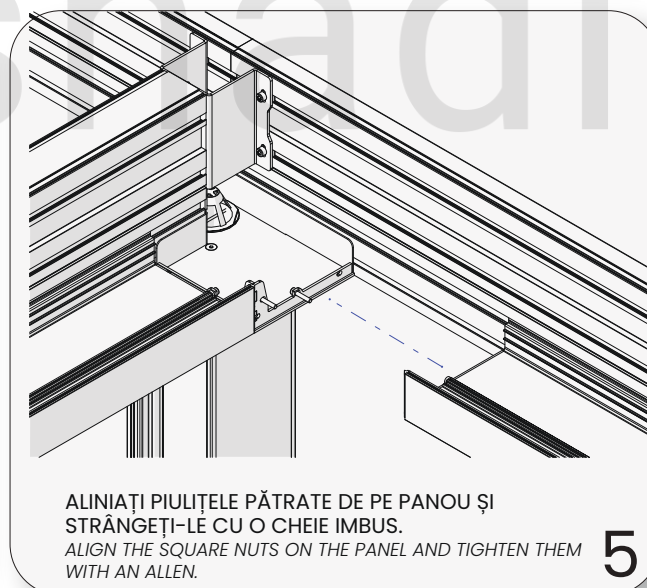
Accesorii Sistem / System Accessories



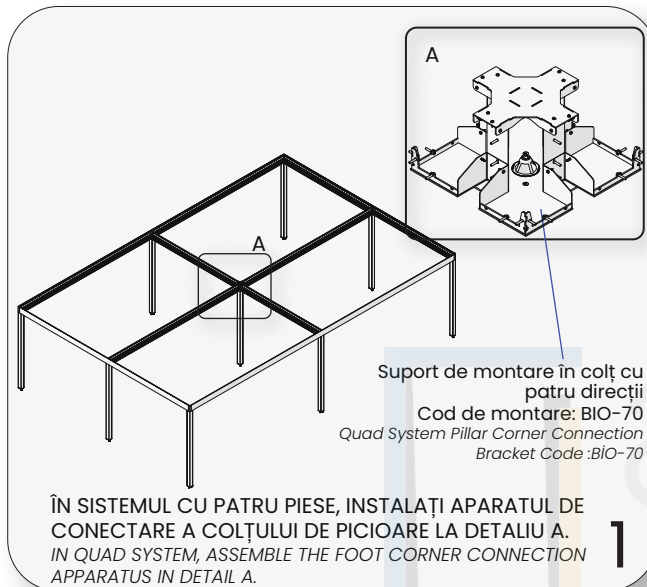
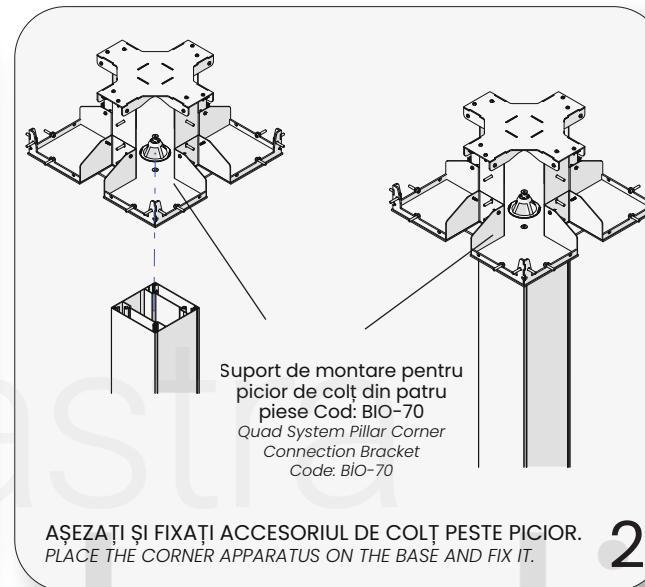
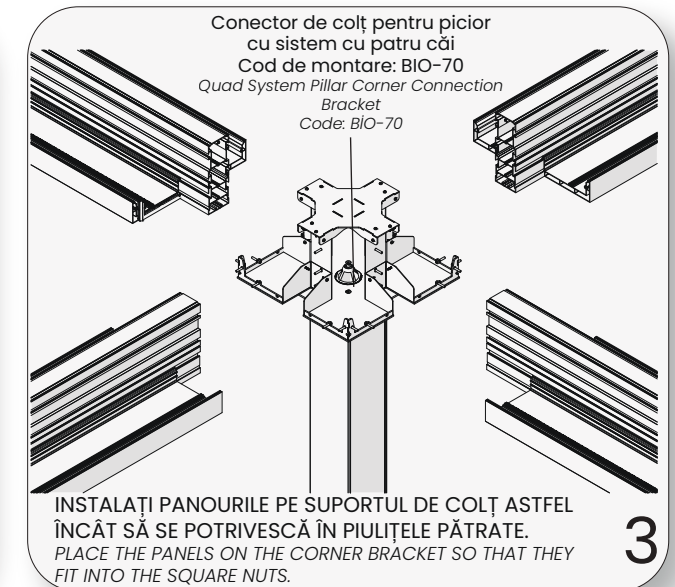
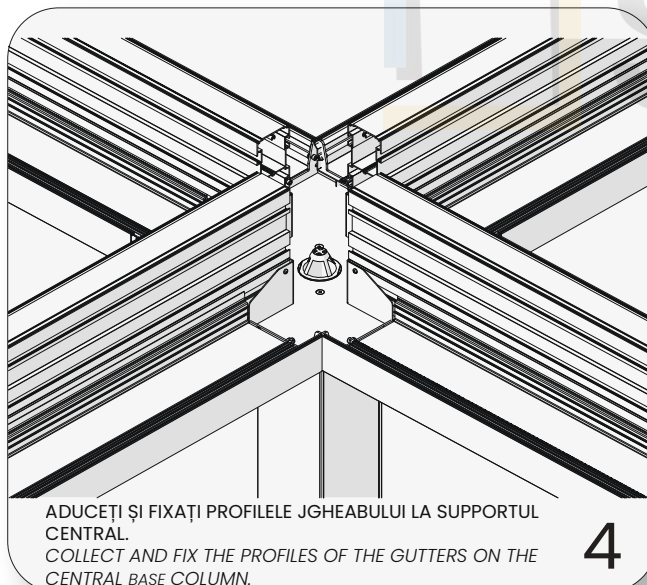
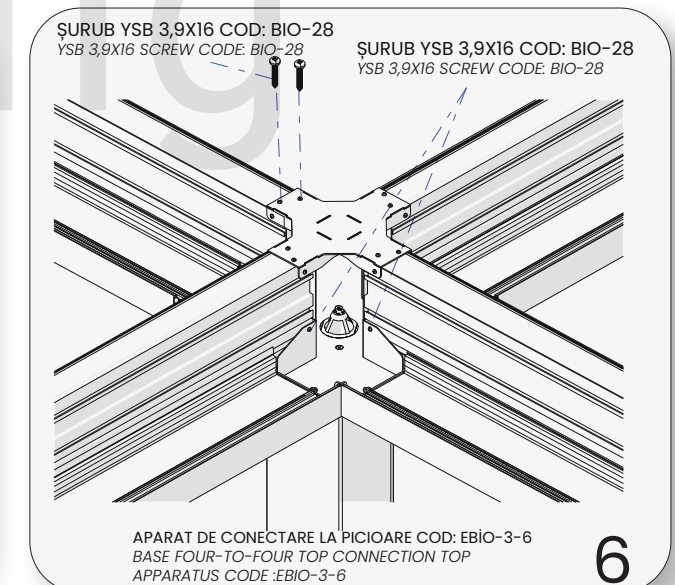




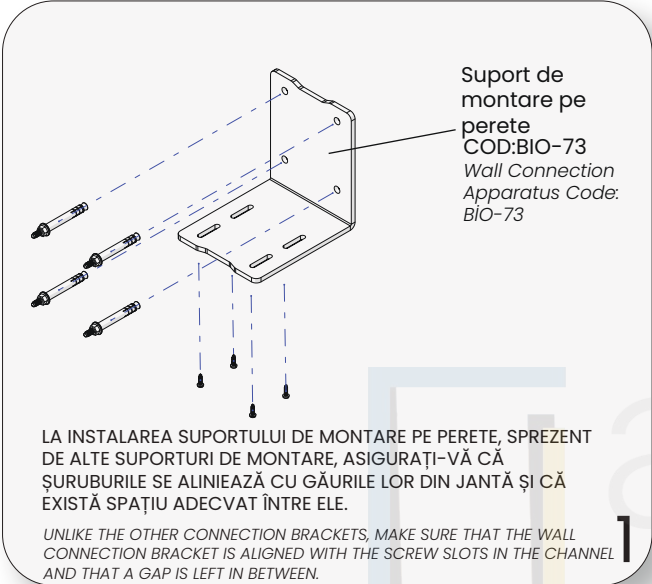
Diagramă de asamblare a șasiului din 2 piese / 2 Chassis Mounting Diagram



Diagramă de asamblare în 4 piese / 4 Chassis Mounting Diagram



Diagramă de instalare a suportului de perete / Wall Hanger Mounting Diagram

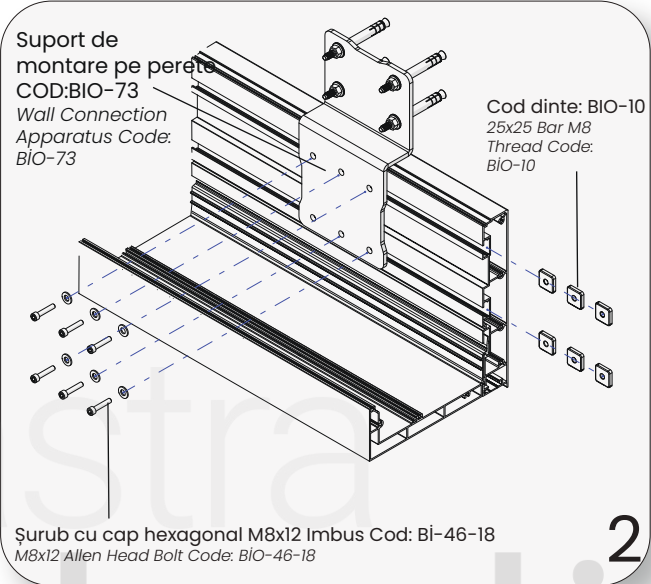


Suport de montare pe perete
COD: BIO-73
Wall Connection
Apparatus Code:
BIO-73

LA INSTALAREA SUPORTULUI DE MONTARE PE PERETE, SPREZENT DE ALTE SUPORTURI DE MONTARE, ASIGURAȚI-VĂ CĂ ȘURUBURILE SE ALINIEAZĂ CU GĂURILE LOR DIN JANTĂ ȘI CĂ EXISTĂ SPAȚIU ADECVAT ÎNTRE ELE.

UNLIKE THE OTHER CONNECTION BRACKETS, MAKE SURE THAT THE WALL CONNECTION BRACKET IS ALIGNED WITH THE SCREW SLOTS IN THE CHANNEL AND THAT A GAP IS LEFT IN BETWEEN.

1

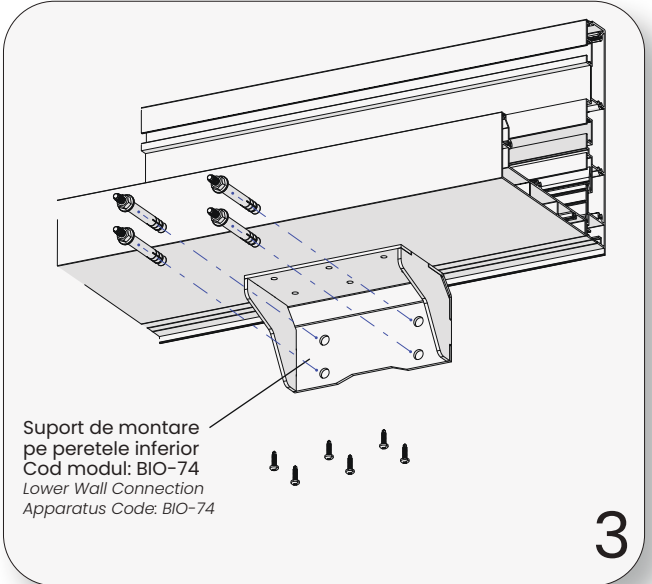


Suport de montare pe perete
COD: BIO-73
Wall Connection
Apparatus Code:
BIO-73

Cod dinte: BIO-10
25x25 Bar M8
Thread Code:
BIO-10

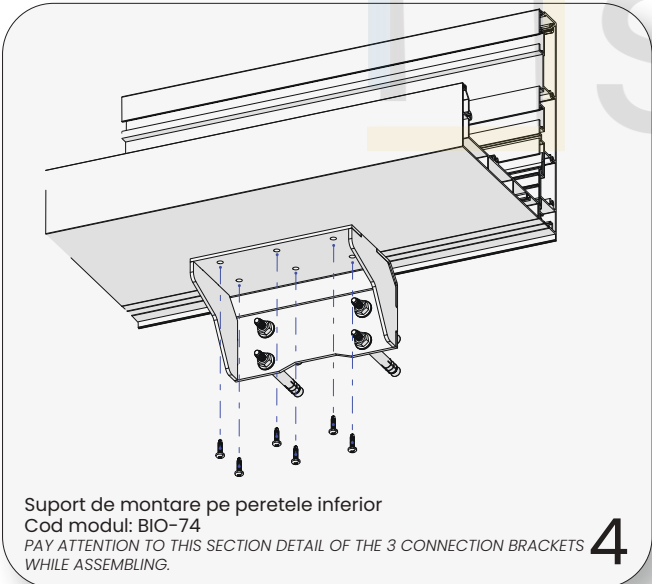
Șurub cu cap hexagonal M8x12 Imbus Cod: Bi-46-18
M8x12 Allen Head Bolt Code: BIO-46-18

2



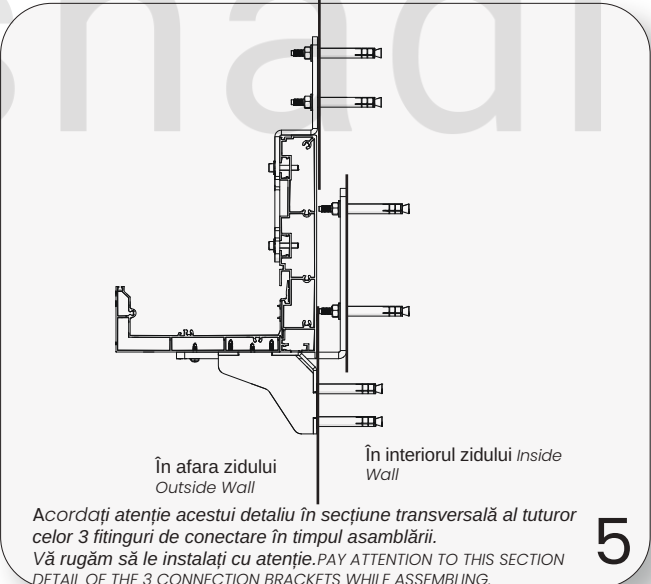
Suport de montare pe peretele inferior
Cod modul: BIO-74
Lower Wall Connection
Apparatus Code: BIO-74

3



Suport de montare pe peretele inferior
Cod modul: BIO-74
PAY ATTENTION TO THIS SECTION DETAIL OF THE 3 CONNECTION BRACKETS WHILE ASSEMBLING.

4

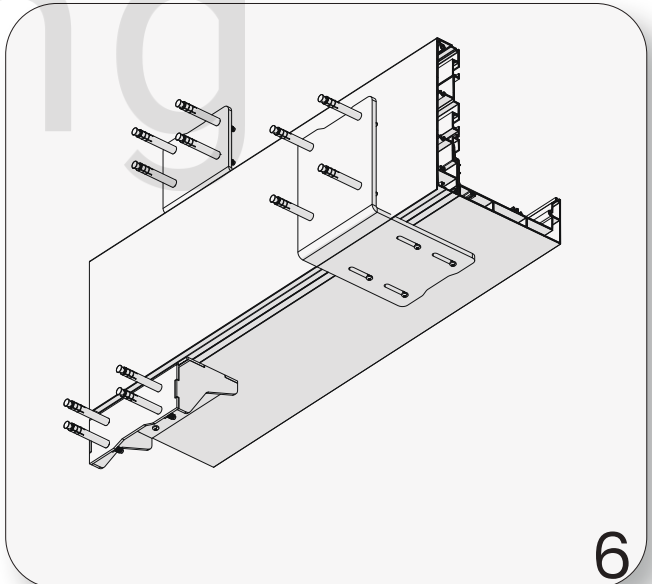


În afara zidului
Outside Wall

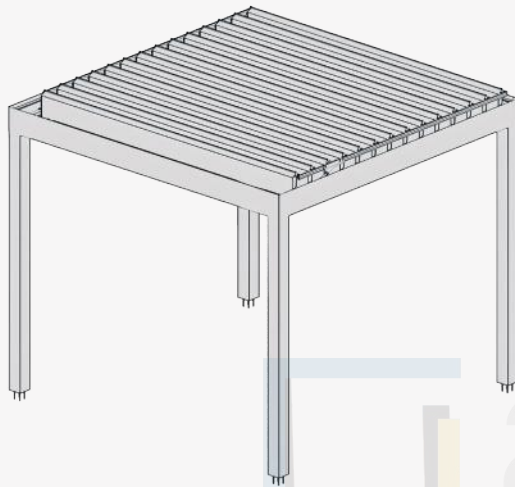
În interiorul zidului
Inside Wall

Acordați atenție acestui detaliu în secțiune transversală al tuturor celor 3 fitinguri de conectare în timpul asamblării.
Vă rugăm să le instalați cu atenție. PAY ATTENTION TO THIS SECTION DETAIL OF THE 3 CONNECTION BRACKETS WHILE ASSEMBLING.

5



6



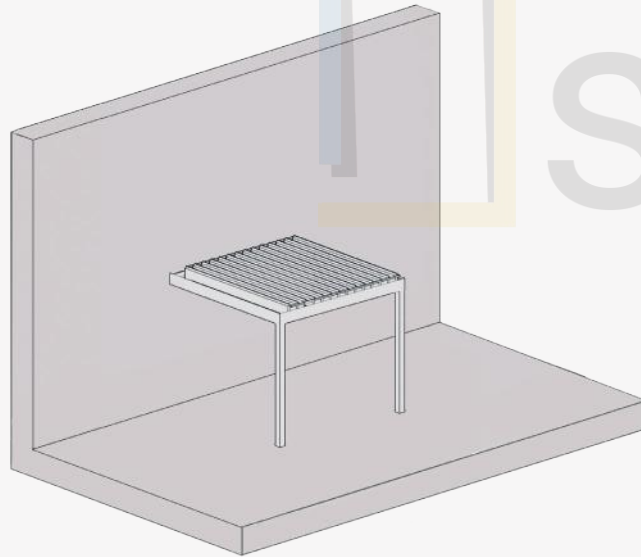
SISTEM BIOCLIMATIC
BIOCLIMATIC SINGLE SYSTEM



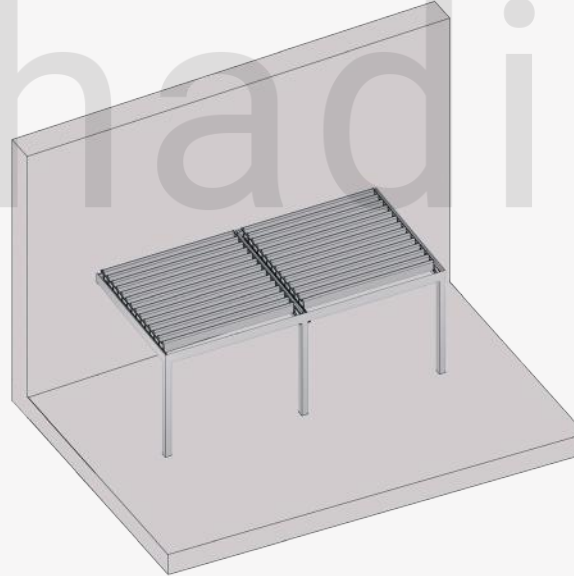
SISTEM DUAL BIOCLIMATIC
BIOCLIMATIC DOUBLE SYSTEM



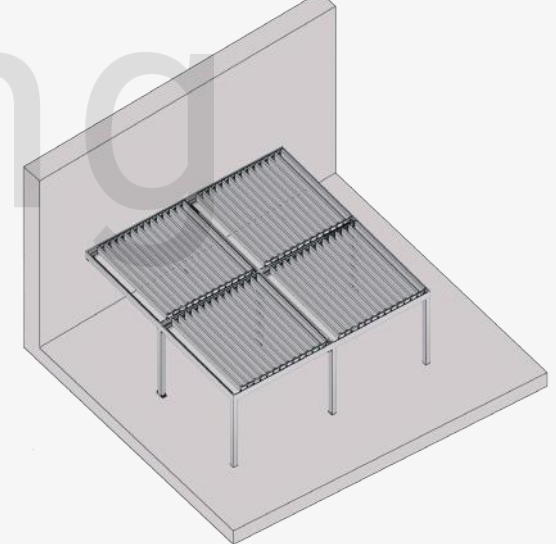
SISTEM MULTI-BIOCLIMATIC
BIOCLIMATIC MULTIPLE SYSTEM



SISTEM BIOCLIMATIC UNIC
UNIC BIOCLIMATIC DOUBLE SYSTEM



SISTEM DUAL BIOCLIMATIC
BIOCLIMATIC DOUBLE SYSTEM



SISTEM MULTI-BIOCLIMATIC
BIOCLIMATIC MULTIPLE SYSTEM



Pantelimon, B-dul Biruintei,
nr. 253-257,
cod postal 077145,
jud. Ilfov
office@astrashading.ro