

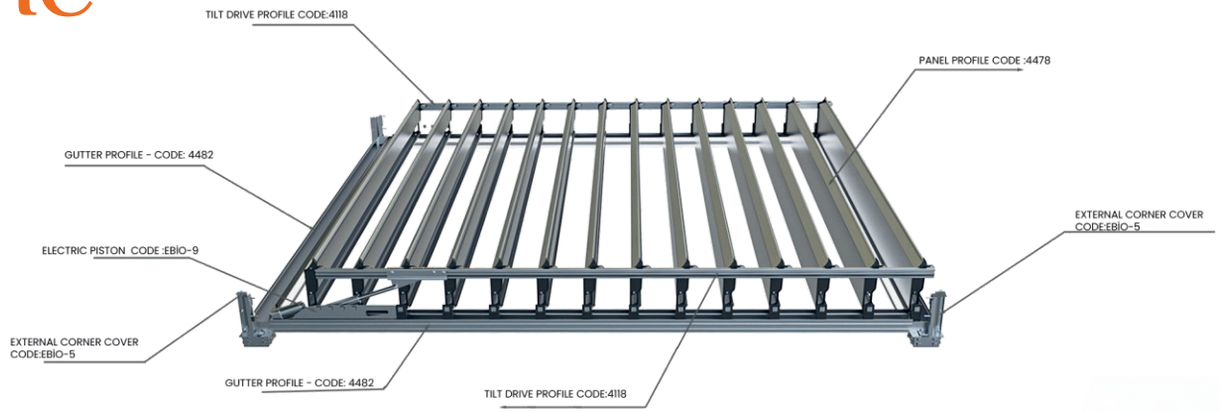
SOLARIA

Solaria Bioclimatic Systems

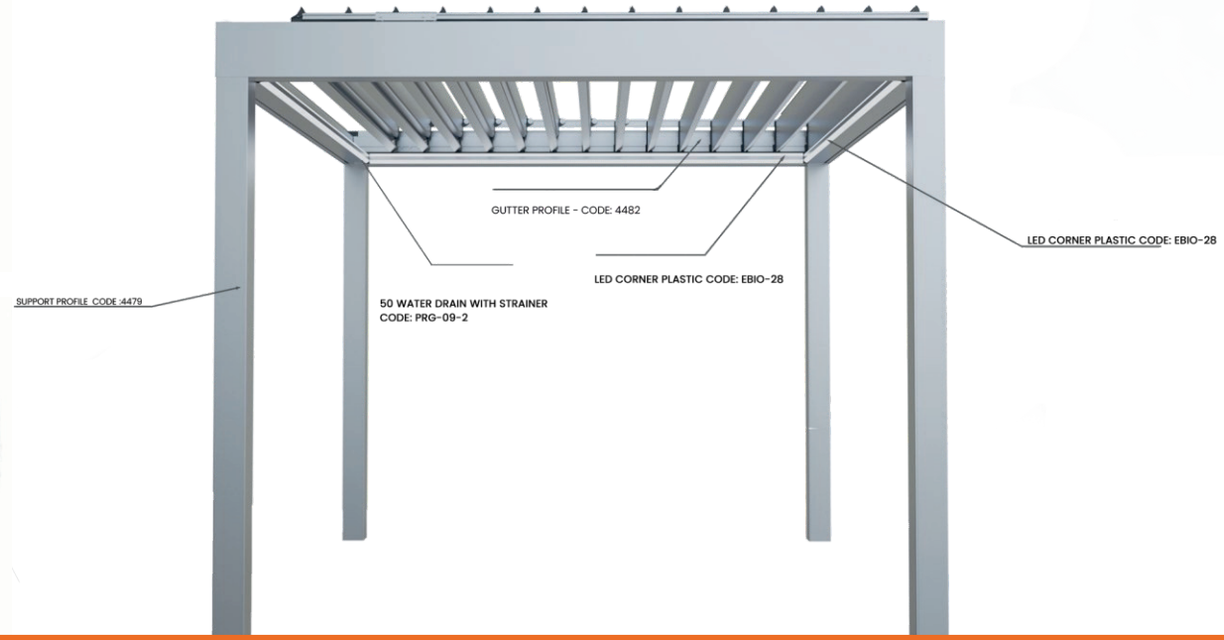
REAL PERGO

SOLARIA BIOCLIMATIC

Solaria Bioclimatic controls sunlight with its rotatable panels and provides protection against climatic conditions. Indoor temperature can be adjusted and air circulation can be provided with the automatic ventilation system. It can be equipped with accessories such as LED lighting, heating and music systems. It is an ideal option for creating comfortable outdoor areas in gardens, terraces and verandas.



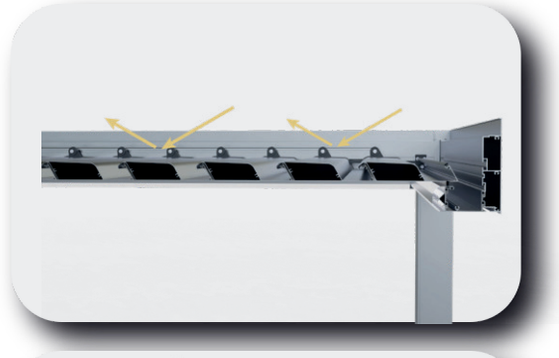




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sitimbild2020@gmail.com
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@realpergo.bg

LIGHT AND SHADE CONTROL

The Amount of daylight can be easily controlled by adjusting the angle of the panels. During the hours when the suns rays are intense, shade can be created by turning the panels more closed.



0°

Provides protection from all weather conditions as the roof remains closed.

AIR CIRCULATION AND HEAT CONTROL

Opening the the panels in hot weather creates a cool athmosphere by increasing natural air circulation. In winter, the panels are closed to prevent cold air flow and provide thermal insulation.

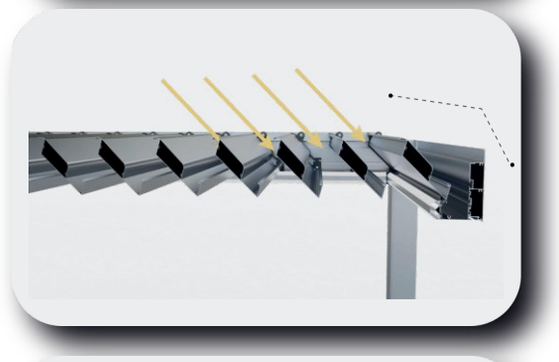


5°

Provides ventilation of the area even during rain and snow.

WIND AND RAIN PROTECTION

In rainy weather, increasing the tilt of the panels directs the flow of water, keeping the interior dry. In windy conditions, positioning the panels at the right angle reduces the impact of the wind

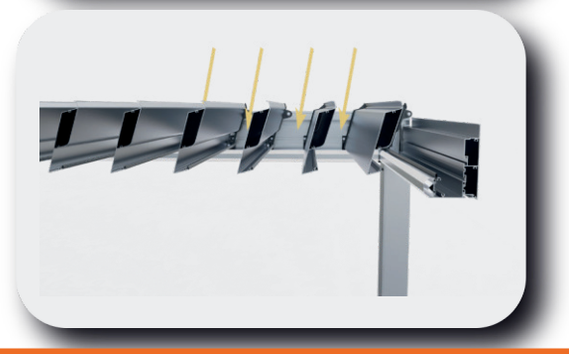


45°

Allows sunlight in, still controlling the light.

ENERGY SAVING AND ECO-FRIENDLY SOLUTION

Optimising natural light and air circulation reduces energy consumption. Dependence on air conditioning and heating systems decreases, creating energy saving and eco-friendly living spaces.



105°

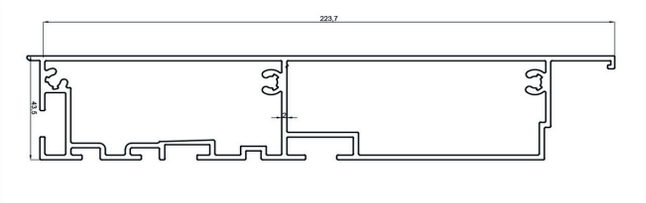
Permits full usage of sunlight.

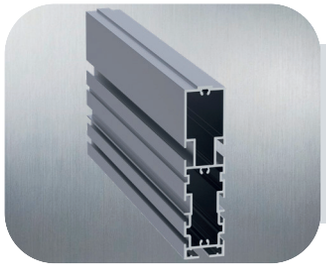
System Profiles



Gutter Beam Profile

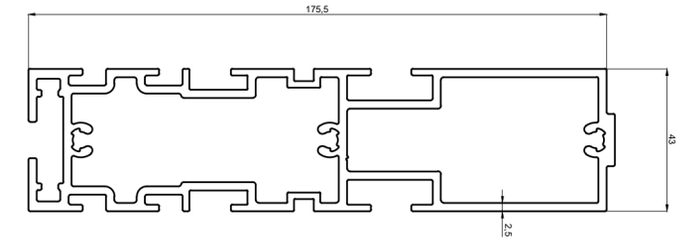
Product Code	4477
Weight	3,637 kg/m

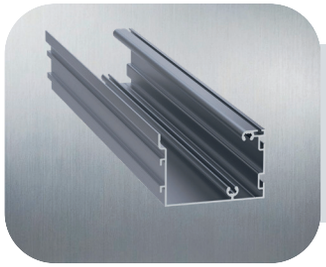




Rail Profile

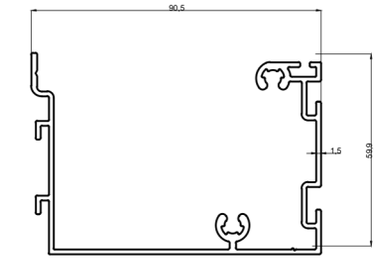
Product Code	4476
Weight	4,442 kg/m

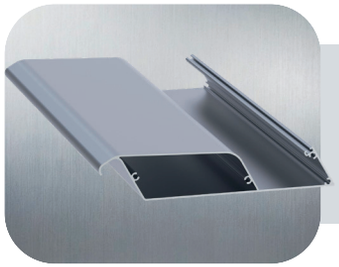




Gutter Profile

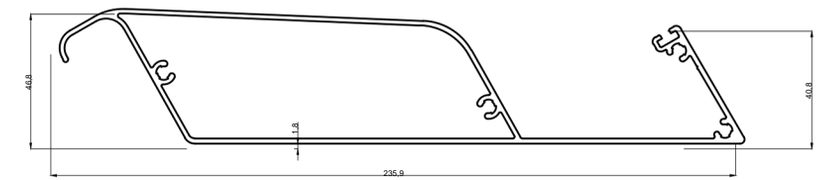
Product Code	4482
Weight	1,322 kg/m

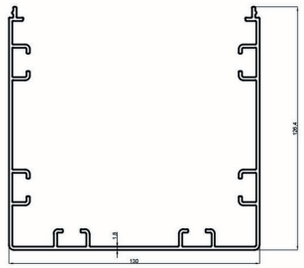




Panel Profile

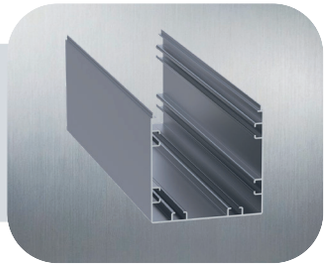
Ürün Kodu / *Product Code*	4478
Ağırlık / Weight	2,496 kg/m

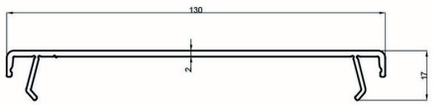




Base Profile

Product Code	4479
Weight	2,461 kg/m

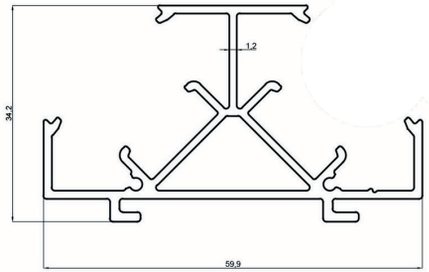




Base Cover Profile

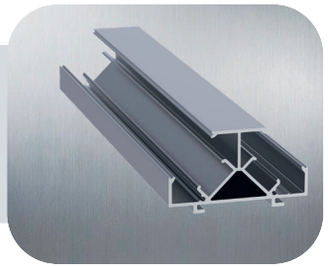
Product Code	4480
Weight	0,894 kg/m

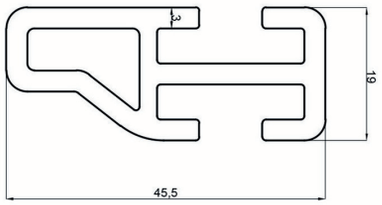




Double LED Profile

Product Code	4481
Weight	0,734 kg/m





Tilt Drive Profile

Product Code	4118
Weight	1,003 kg/m



System Accessories

Engine Group



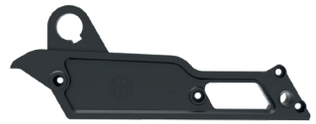
Code	EBİO-9
Piece	1 PC

Panel Bearing Shaft Housing and Cover



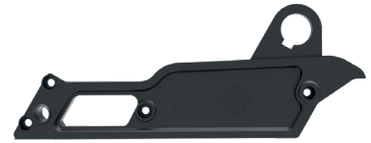
Code	EBİO-15
Piece	1 PCS

Tilt Panel Cover(Left)



Code	EBİO-20
Piece	1 PCS

Tilt Panel Cover(Right)



Code	EBİO-19
Piece	1 PCS

Water Drain Black



Code	PRG-09-2
Piece	1 PCS

Led Corner Plastic



Code	EBİO-28
Piece	1 PCS

Diffuser Cover



Code	BİO-35
Piece	1 Metre

Special Pin Bushing



Code	EBİO-13
Piece	2 PCS

Drive Pin



Code	EBİO-14
Piece	2 PCS

Gutter Seal



Code	ACT-12
Piece	100 Metre

Panel Seal



Code	PAL-147
Piece	100 Metre

Panel Tilt Shaft



Code	EBİO-21
Piece	2 PCS

REAL PERGO

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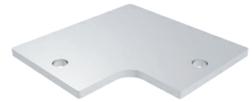
System Accessories

6000 Bearing



Code	EBİO-18
Piece	2 PCS

Corner Top Cover



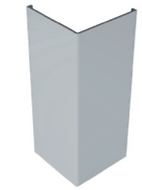
Code	EBİO-2
Piece	1 PCS

Side Strut Inner Corner Connection



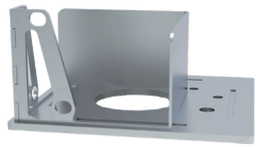
Code	EBİO-4
Piece	1 PCS

Side Strut Outer Corner Cover



Code	EBİO-5
Piece	1 PCS

Top Bracket for Vertical Base



Code	EBİO-3
Piece	1 PCS

Base Top Connection Apparatus Without Water Outlet and Support



Code	EBİO-3-1
Piece	1 PCS

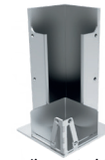
Corner Joint Top Connection Bracket Water Outlet



(Used if two adjasent sides are walls)

Code	EBİO-3-3
Piece	1 PCS

Corner Joint Top Connection Apparatus Without Water Outlet and Support



(Used if two adjasent sides are walls)

Code	EBİO-3-4
Piece	1 PCS

Pole to Ground Connection Bracket



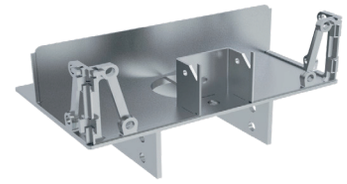
Code	EBİO-7
Piece	1 PCS

Intermediate Post and Gutter Connection Bracket



Code	EBİO-3-2
Piece	1 PCS

Double Top Connection Bracket With Water Outlet



Code	EBİO-30
Piece	1 PCS

Double Top Connection Bracket Without Water Outlet and Support



Code	EBİO-30-1
Piece	1 PCS

System Accessories

Double Top Connection Rail Bracket



(Goes together with EBİO-35 and EBİO-36)

Code	EBİO-30-2
Piece	1 PCS

Four-way Top Connection Bracket



Code	EBİO-31-2
Piece	1 PCS

Four-Way Connection Bracket With Bottom Water Outlet



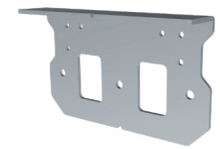
Code	EBİO-31
Piece	1 PCS

Four-Way Connection Bracket Without Bottom Water Outlet and Support



Code	EBİO-31-1
Piece	1 PCS

Gutter to Strut Joint Apparatus



Code	EBİO-26
Piece	1 PCS

Gutter to Post Connection Plate



Code	EBİO-24
Piece	1 PCS

Wall Mounting Bracket Top



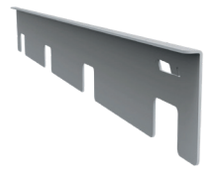
Code	EBİO-27
Piece	1 PCS

Wall Mounting Bracket Bottom



Code	EBİO-25
Piece	1 PCS

Panel Intermediate Setting Distance Template



Code	EBİO-G29
Piece	1 PCS

Base Inner Support Bracket



Code	EBİO-G34
Piece	1 PCS

M8 X 25 IMBUS Bolt



Code	EBİO-22
Piece	2 PCS

M6X30 IMBUS Bolt



Code	BİO-14
Piece	5 PCS

YSB 3.9 X 16 Screw



Code	EBİO-9-8
Piece	1 PCS

M8 Washer



Code	EBİO-12
Piece	3 PCS

YHB 4.8 X 38 Screw



Code	BİO-11
Piece	9 PCS

System Accessories

25x25 Lama M8 Thread



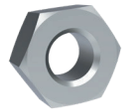
Code	BİO-10
Piece	4 PCS

20x20 Lama M8 Thread



Code	EBİO-9-6
Piece	2 PCS

M6 NUT



Code	EBİO-9-7
Piece	4 PCS

AKB M 8 X 16 Bolt



Code	EBİO-10
Piece	3 PCS

AKB M 8 X 30 Bolt



Code	EBİO-11
Piece	2 PCS

Diameter 10 Shaft Circlip



Code	EBİO-17
Piece	2 PCS

M8 X 12 AKB Bolt



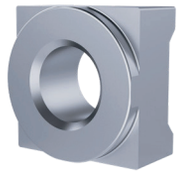
Code	EBİO-6
Piece	2 PCS

M8 X 12 Countersunk Head Screw IMBUS



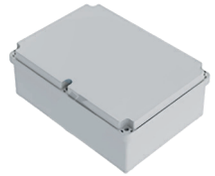
Code	EBİO-8
Piece	1 PCS

M8 Square Weld Nut



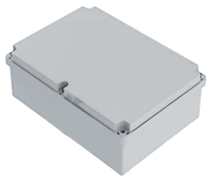
Code	EBİO-1
Piece	2 PCS

Tilt Control Unit Somfy Compatible



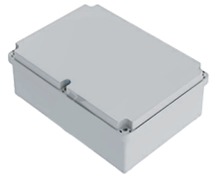
Code	BİO-62
Piece	1 PCS

Tilt Control Unit Universal



Code	BİO-63
Piece	1 PCS

Tilt Control Unit RGB



Code	BİO-64
Piece	1 PCS

Remote Control



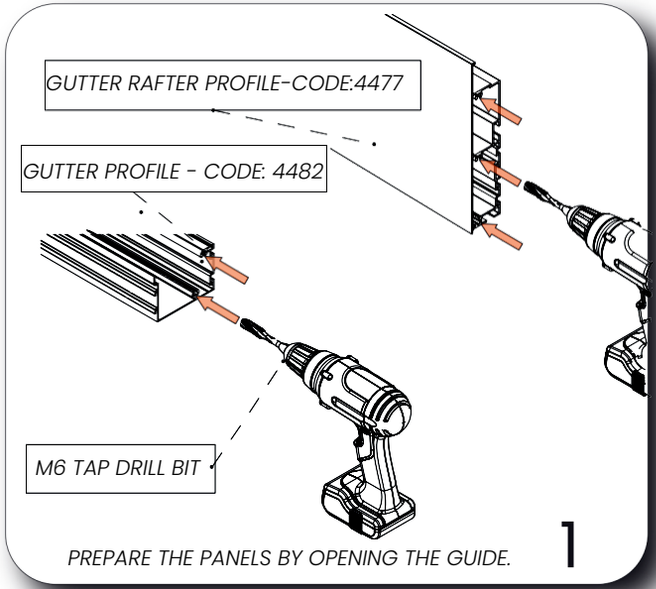
Code	RTS-KM1-5
Piece	1 PCS

Insulated Led Daylight



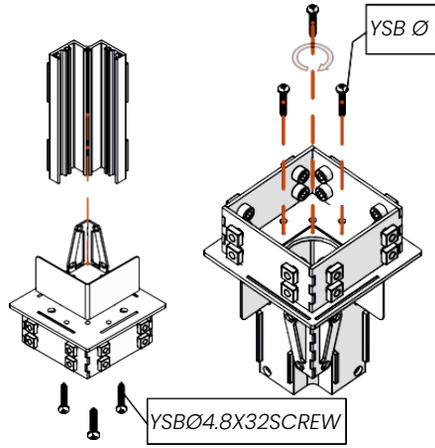
Code	PAL-145
Piece	1 Metre

Chassis Assembly Diagram



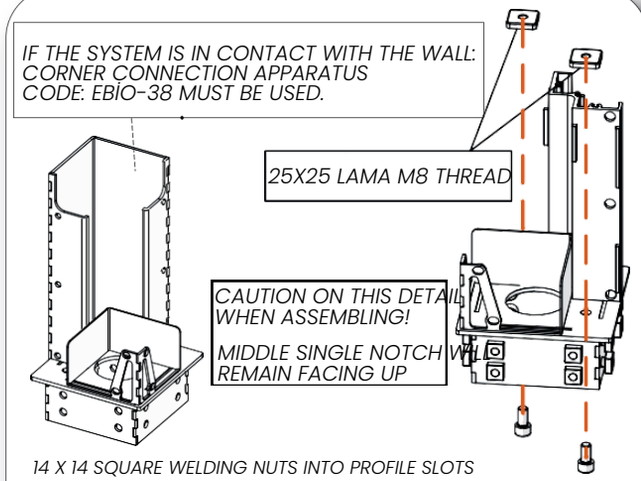
PREPARE THE PANELS BY OPENING THE GUIDE.

1



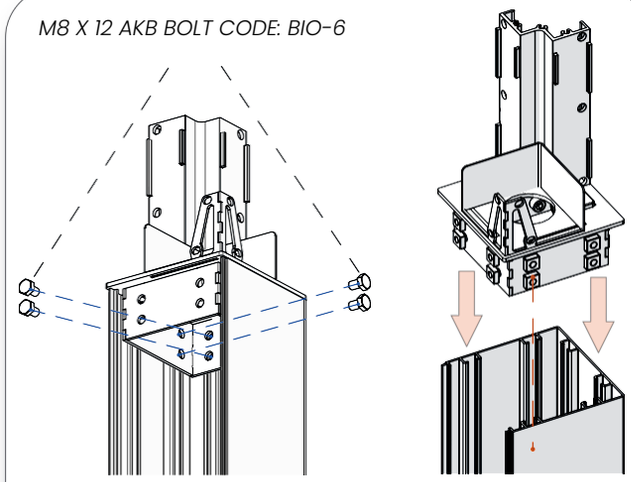
FIX THE INNER CORNER BRACKET WITH SCREWS USING A DRILL.

2



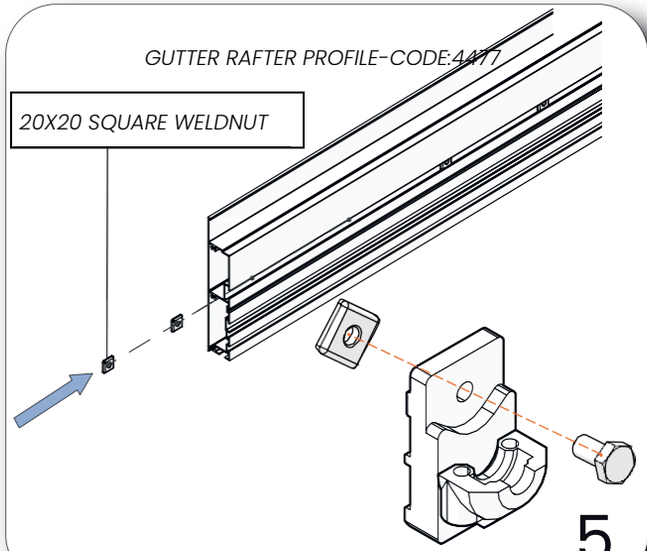
14 X 14 SQUARE WELDING NUTS INTO PROFILE SLOTS
FASTEN IT WITH AN ALLEN WRENCH

3

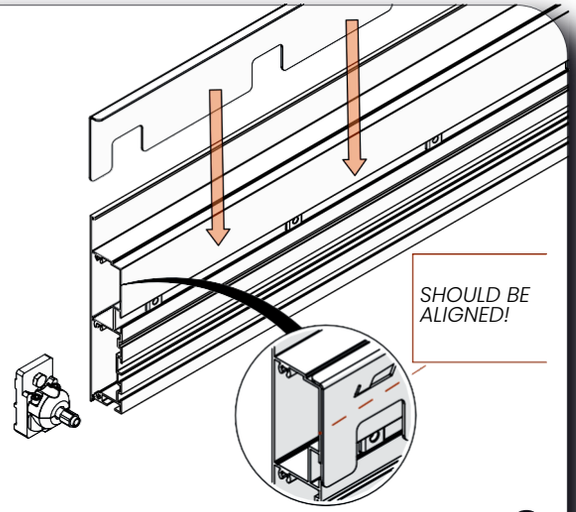


PLACE THE SQUARE NUTS IN THE CORNER IN ACCORDANCE WITH THE BOLT.

4



5

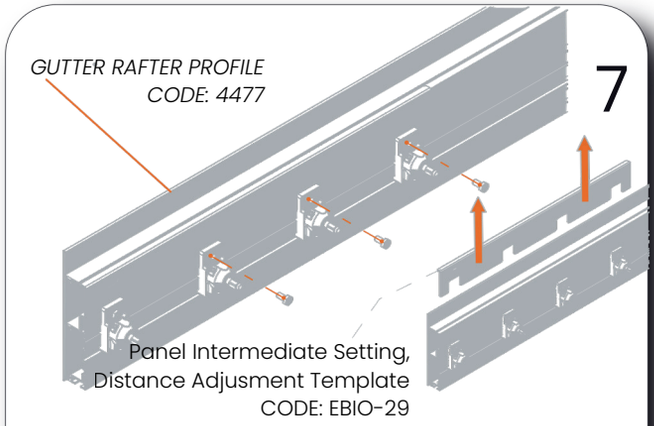


ALIGN THE BEARING SHAFT HOUSING WITH SQUARE NUTS.

6

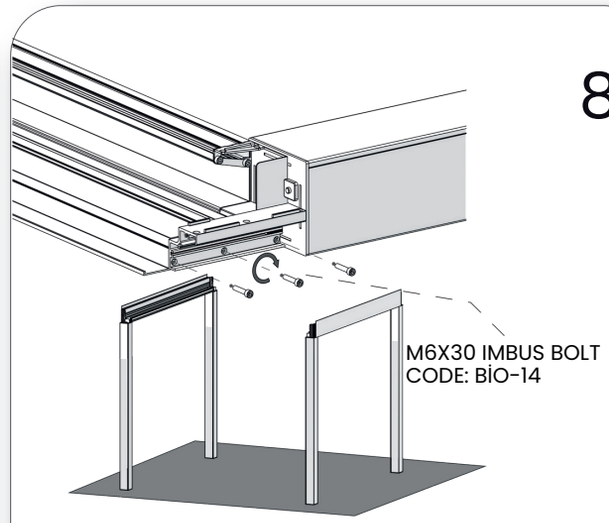
Chassis Assembly Diagram

7



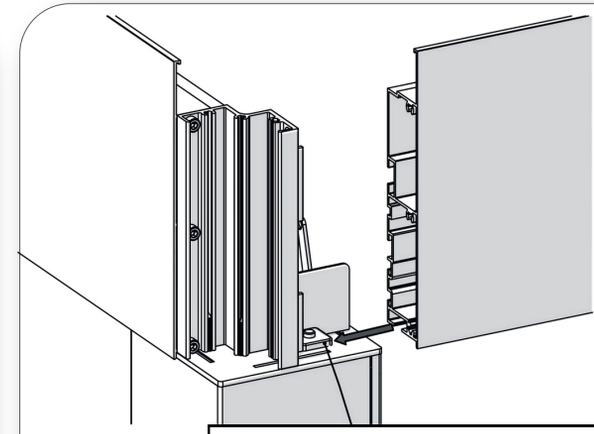
FIX THE SHAFT BEARINGS YOU SET WITH THE PANEL INTERMEDIATE DISTANCE ADJUSTMENT TEMPLATE. CONTINUE THE PROCESS AND CHECK THE ACCURACY OF THE SHAFT BEARINGS AS YOU GO.

8



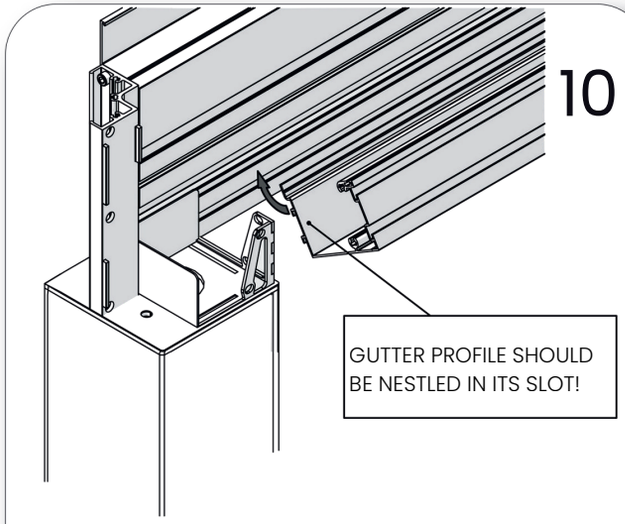
CONNECT THE PANELS WITH THE FOOT PROFILES.

9



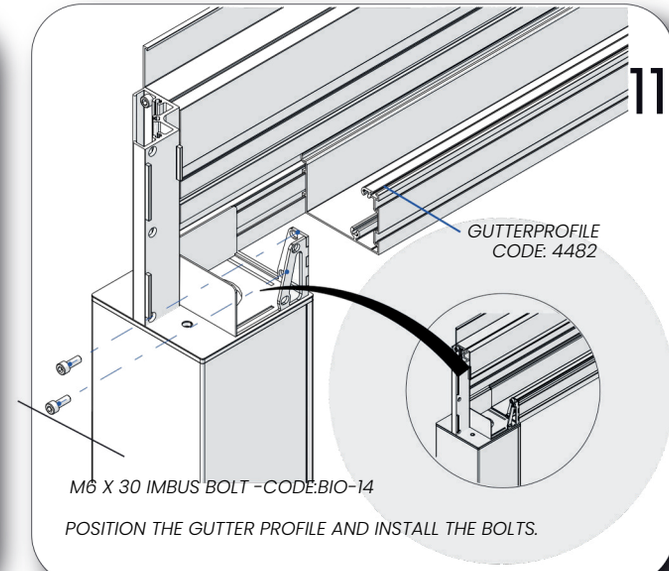
ALIGN THE SLOTS TO THE SQUARE NUTS AT THE CORNER.

10



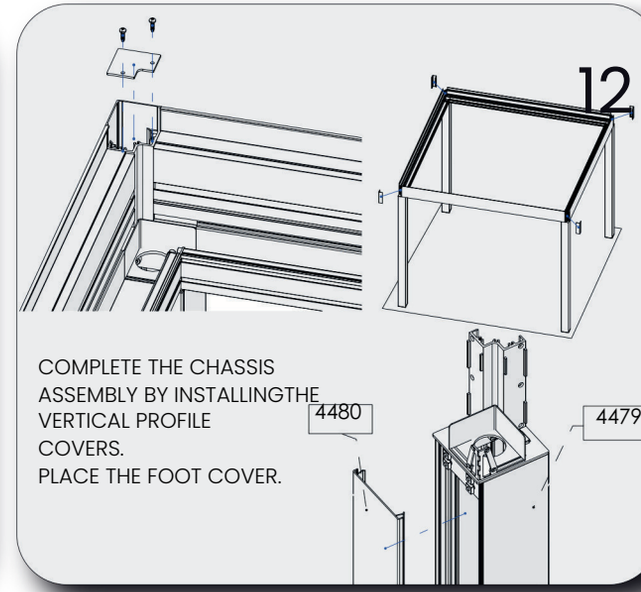
FIX THE INNER CORNER BRACKET WITH SCREWS.

11



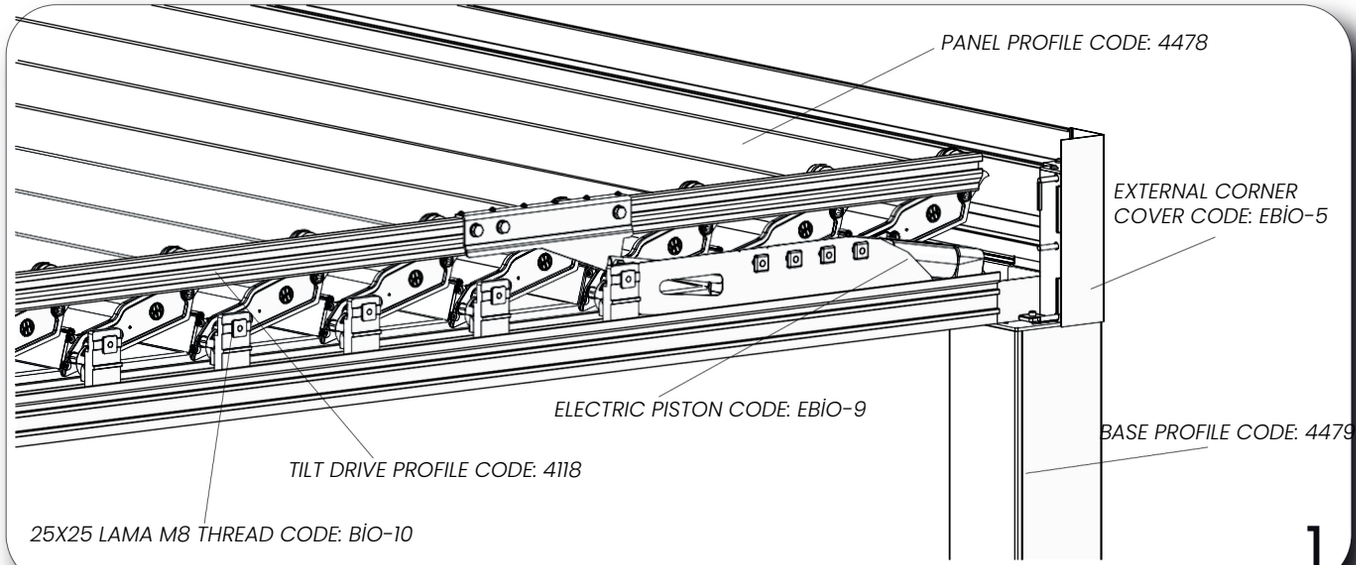
POSITION THE GUTTER PROFILE AND INSTALL THE BOLTS.

12

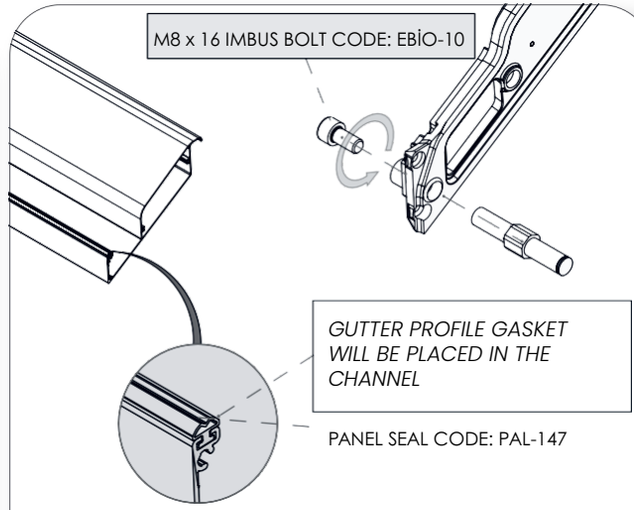


COMPLETE THE CHASSIS ASSEMBLY BY INSTALLINGTHE VERTICAL PROFILE COVERS.
PLACE THE FOOT COVER.

Panel Assembly Diagram

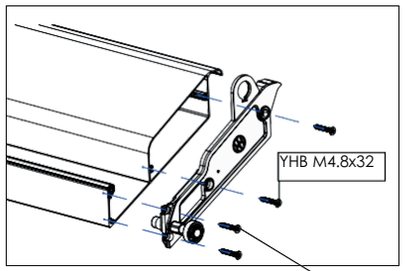


1

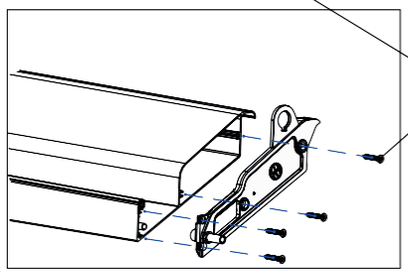


ASSEMBLE THE GASKET AND SCISSOR PANEL SHAFT.

2

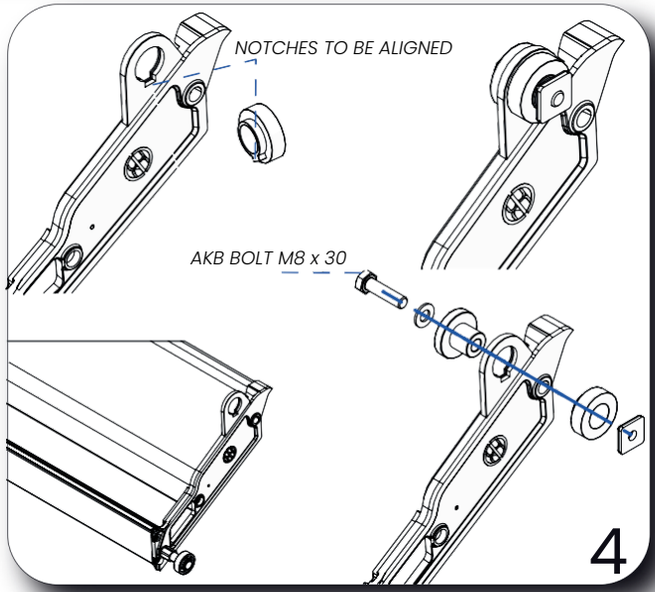


POSITION THE PANELS WITH SHORT PINS CONNECTED TO THE PISTON LASER IN THE MOTOR SECTION, AND PLACE THE PANELS WITH LONG PINS IN THE OTHER AREAS.

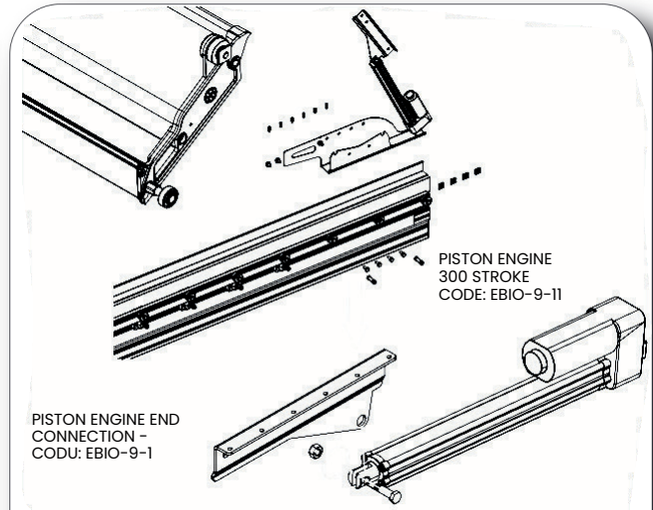


USE 4,8 x 32 mm SCREWS TO FIX THE CHANNEL COVER.

3



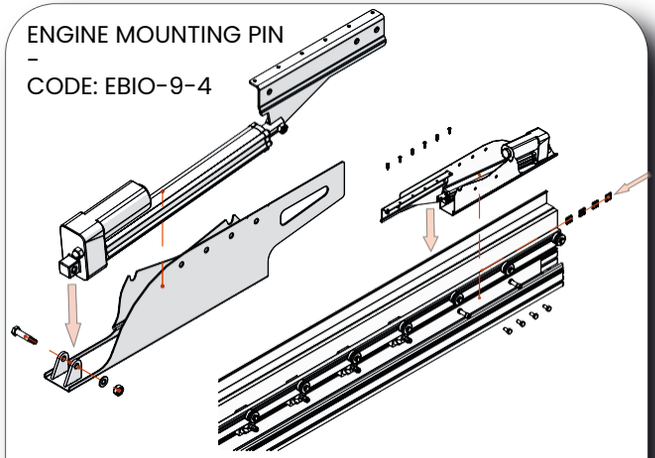
4



CHECK THAT THE DIRECTION OF THE SCISSORS IS CORRECT.

5

ENGINE MOUNTING PIN
-
CODE: EBIO-9-4

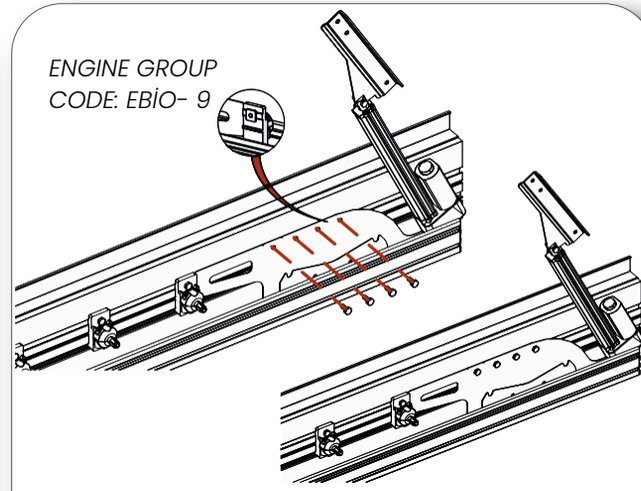


M6 NUT -CODE: EBIO-9-7

COMPLETE THE ENGINE ASSEMBLY AND PLACE IT IN THE GUTTER.

6

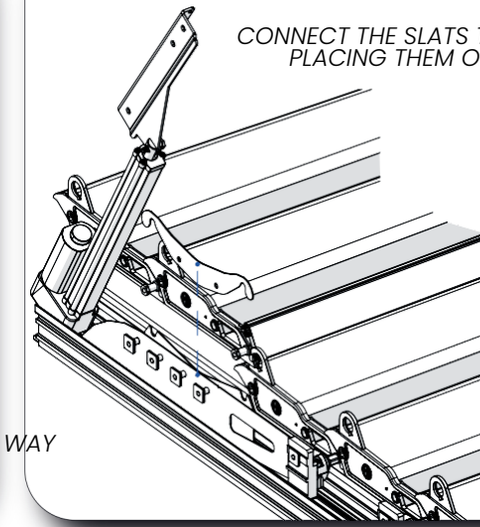
ENGINE GROUP
CODE: EBİO- 9



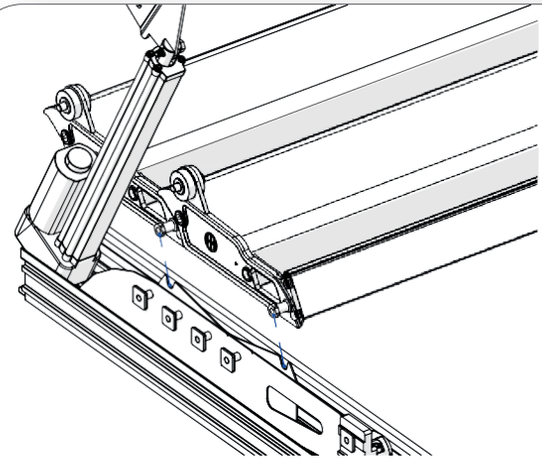
CONTINUE ASSEMBLY BY INSERTING THE BOLTS IN SUCH A WAY THAT THEY MEET THE SQUARENUTS.

7

CONNECT THE SLATS TO THE CARRIER SYSTEM BY PLACING THEM ON THE HINGE APPARATUS.

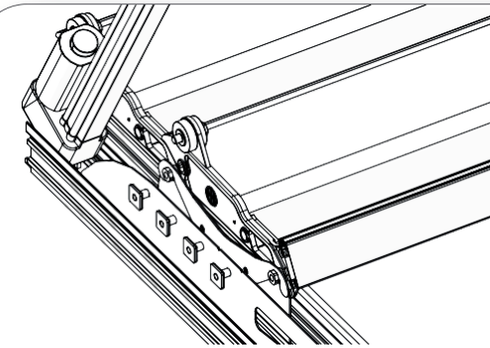


8

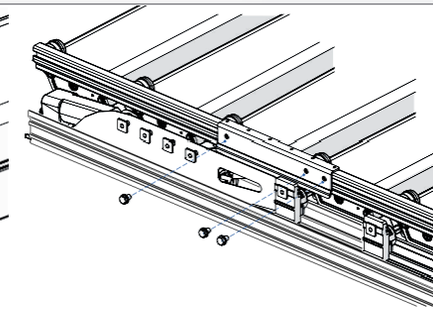


FIX THE MOTOR MECHANISM TO THE HINGE BY INSERTING IT INTO THE RAIL SLOT.

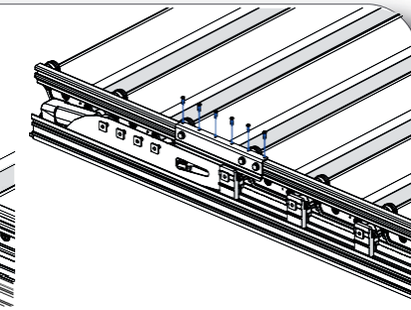
9



ENGINE PANEL HOLDER CODE: EBİO-9-3



AKB M6X10 BOLT CODE: EBİO-9-10



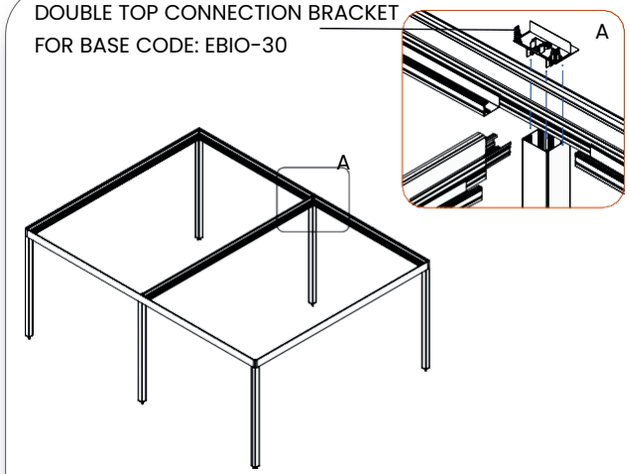
A PISTON ENGINE END CONNECTION CODE: EBİO-9-1 CODE: EBİO-9-10

COMPLETE THE ASSEMBLY BY FIXING THE END PART OF THE ENGINE TO THE LOCK PLATE FROM THE SIDES AND TOP.

10

2 Chassis Mounting Diagram

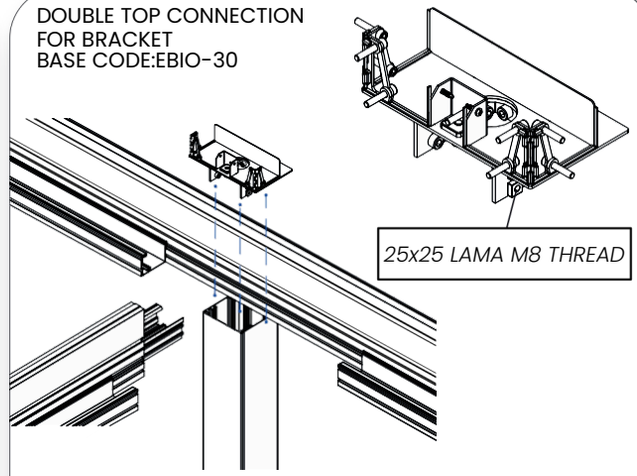
DOUBLE TOP CONNECTION BRACKET
FOR BASE CODE: EBIO-30



PAY ATTENTION TO THE WATER GUTTER DETAIL AT POINT "A" IN THE DOUBLE CHASSIS CONNECTION.

1

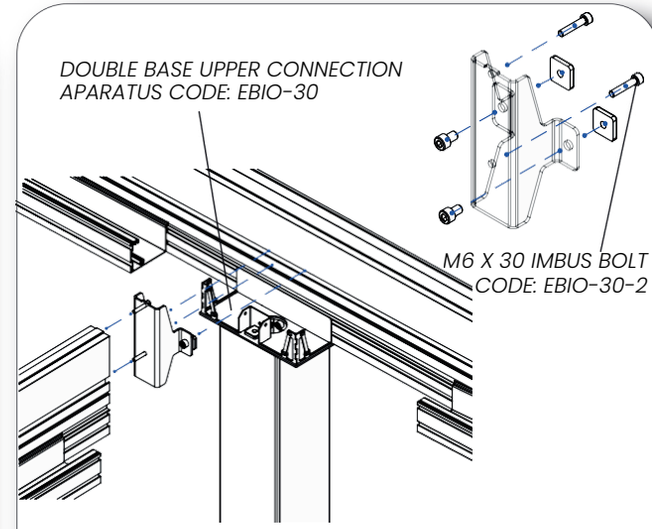
DOUBLE TOP CONNECTION
FOR BRACKET
BASE CODE:EBIO-30



PLACE THE CONNECTION APPARATUS ON THE POLE PART, SECURE IT BY TIGHTENING THE BOLTS.

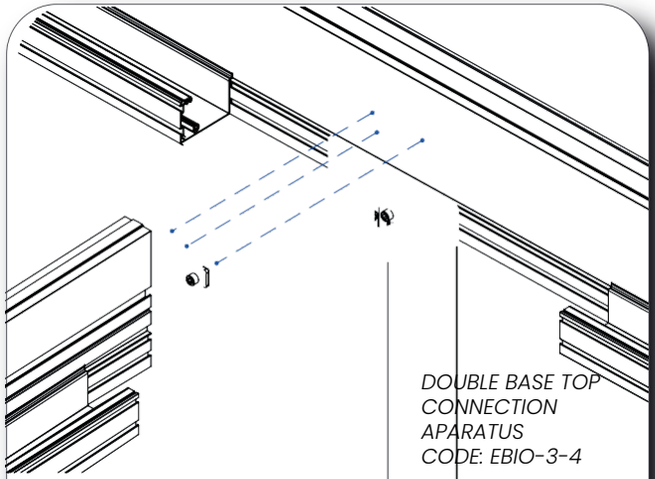
2

DOUBLE BASE UPPER CONNECTION APARATUS CODE: EBIO-30



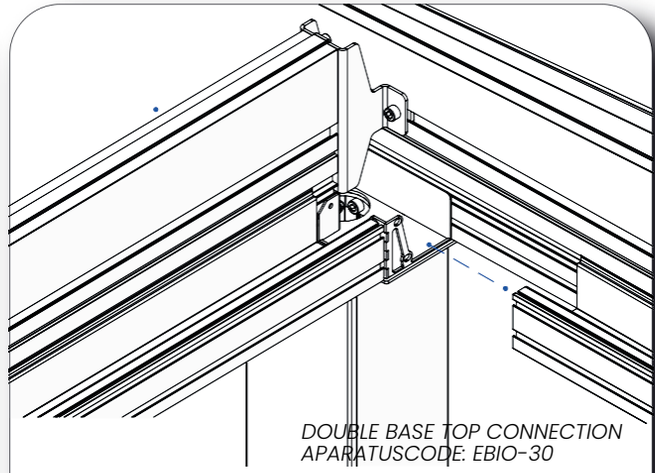
FIX THE CONNECTION APPARATUS TO THE PANELS.

3



ALIGN THE SQUARE NUTS ON THE PANEL AND TIGHTEN THEM WITH AN ALLEN WRENCH.

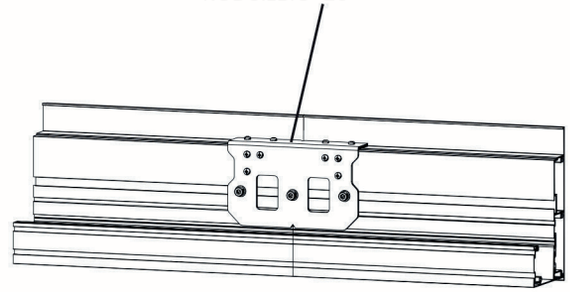
4



PLACE THE GUTTER PROFILE AND FASTEN WITH BOLTS FIX

5

GUTTER CONNECTION APPARATUS
KODU:EBİO-26

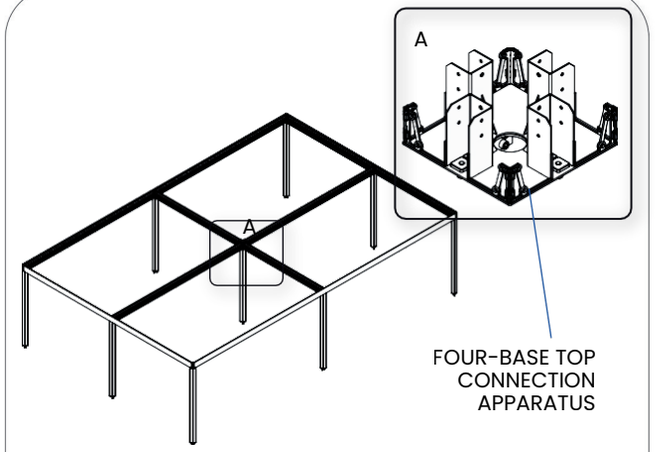


YOU CAN USE THE GUTTER FITTING APPARATUS TO JOIN THE GUTTERS TOGETHER.

6

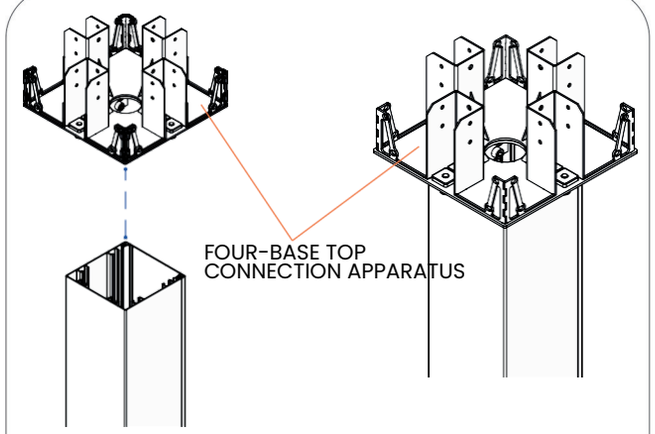
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www.realpergo.bg
sitimbild2020@gmail.com
@realpergo.bg
@realpergo.bg

4 Chassis Mounting Diagram



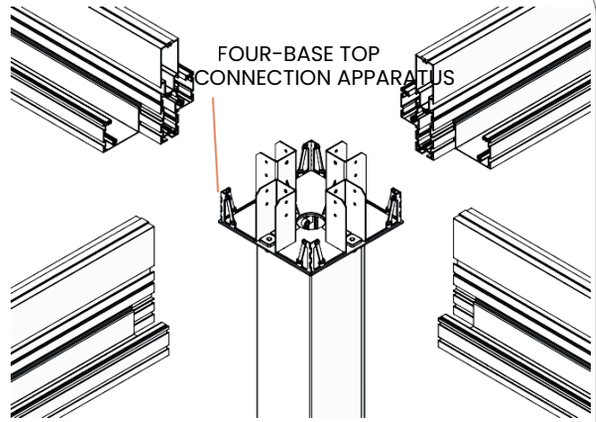
IN THE QUADRANT SYSTEM , ASSEMBLE THE FOOT CORNER CONNECTION APPARATUS IN DETAIL A.

1



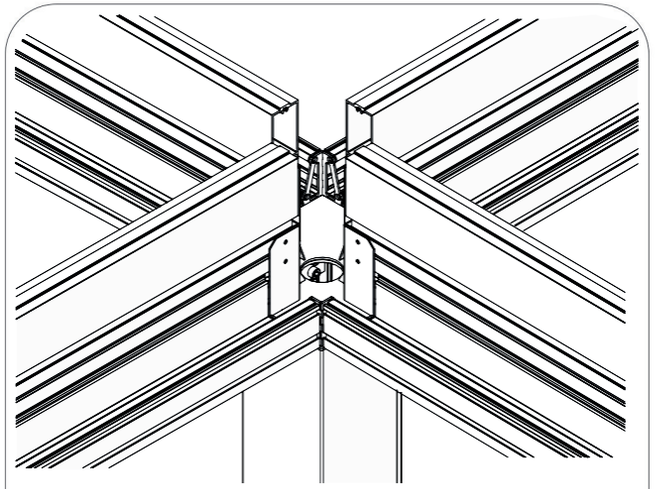
PLACE THE CORNER APPARATUS ON THE BASE AND FIX IT.

2



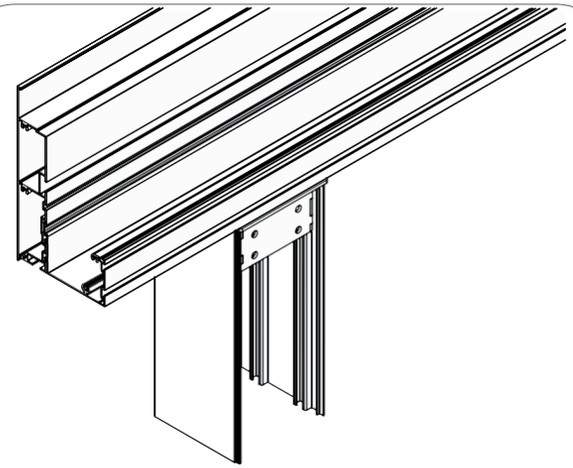
PLACE THE PANELS ON THE CORNER BRACKET SO THAT THEY FIT INTO THE SQUARE NUTS.

3



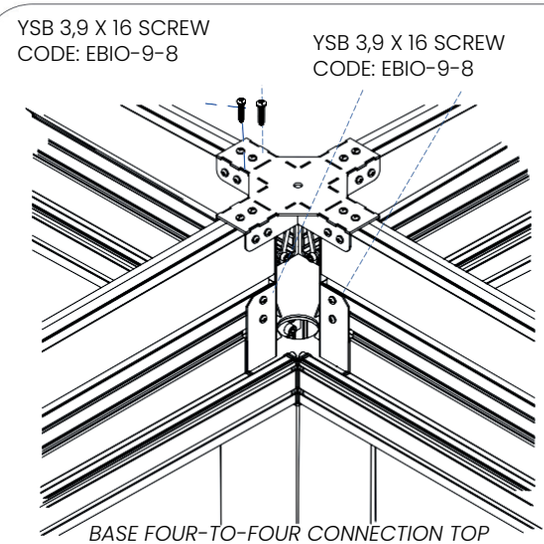
COLLECT AND FIX THE PROFILES OF THE GUTTERS ON THE CENTRAL BASE COLUMN.

4



AN INTERMEDIATE BASE MOUNT CAN BE USED TO STRENGTHEN THE SYSTEM.

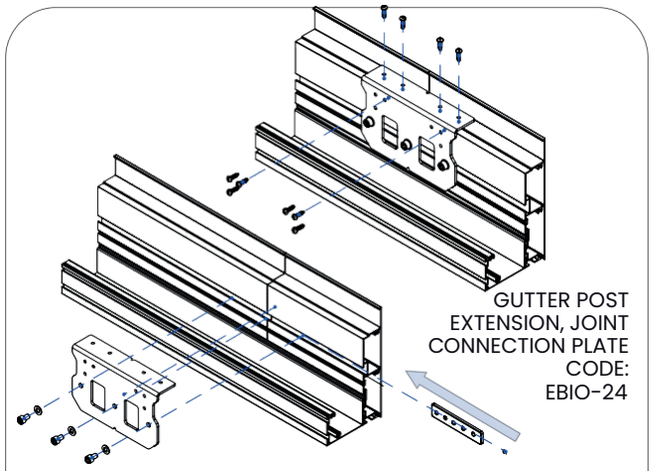
5



BASE FOUR-TO-FOUR CONNECTION TOP APPARATUS CODE: EBIO-3-6

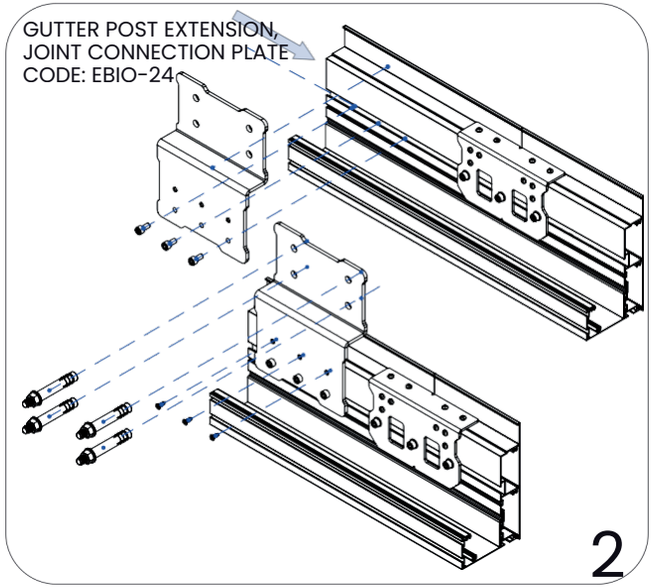
6

Wall Hanger Mounting Diagram

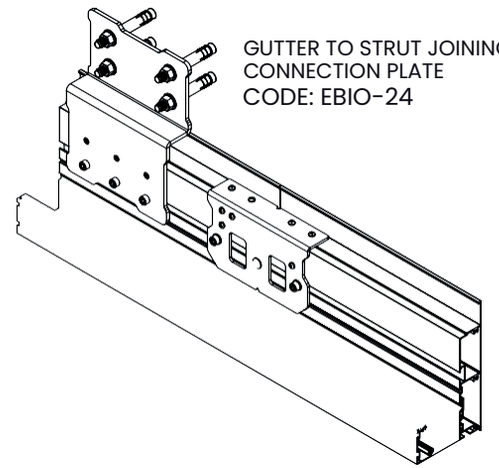


PLACE THE WALL MOUNTING APPARATUS AND FIX IT WITH SCREWS

1

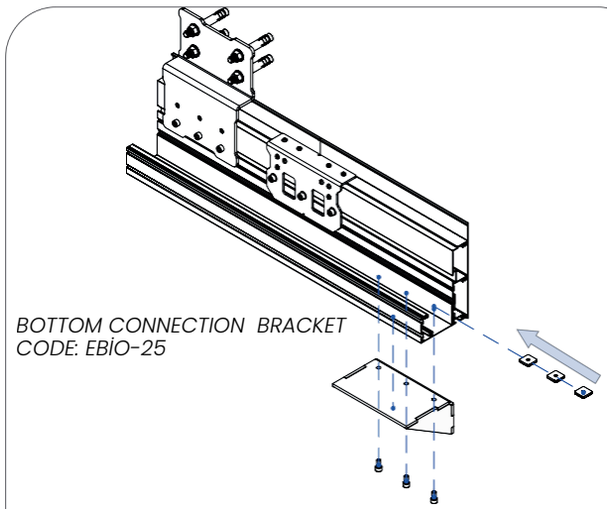


2



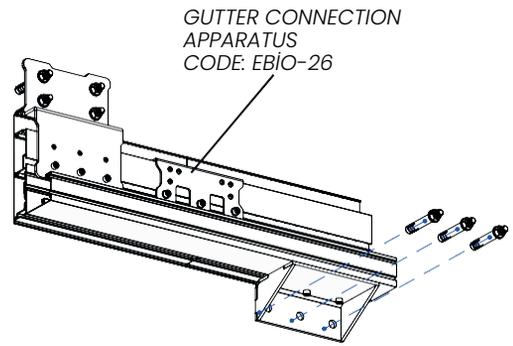
TOP-MOUNTED WALL CONNECTION BRACKET CODE: EBİO-27

327



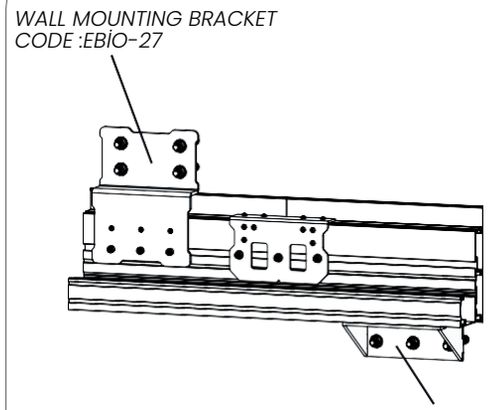
ALIGN THE HOLES AS YOU INSERT THE SQUARE BOLTS

4

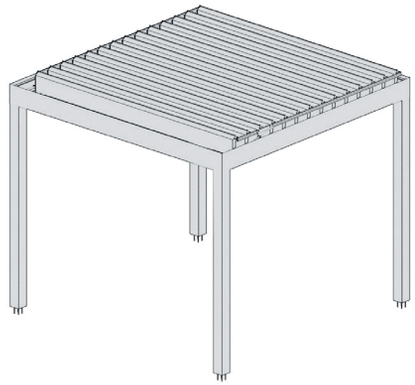


FIX THE CONNECTION APPARATUS TO THE WALL WITH DOWELS.

5



6



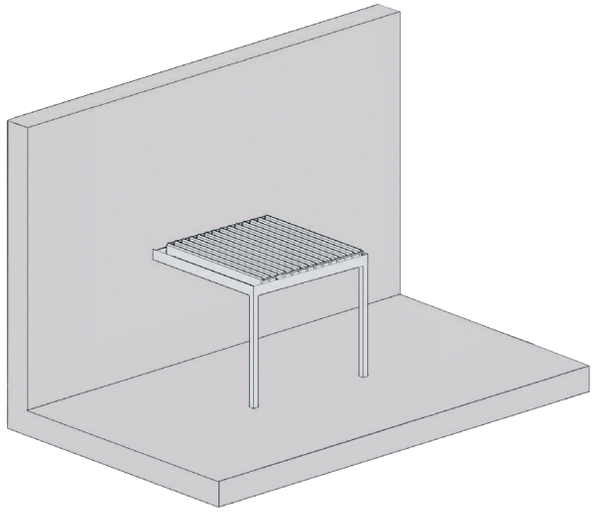
SOLARIA SINGLE SYSTEM



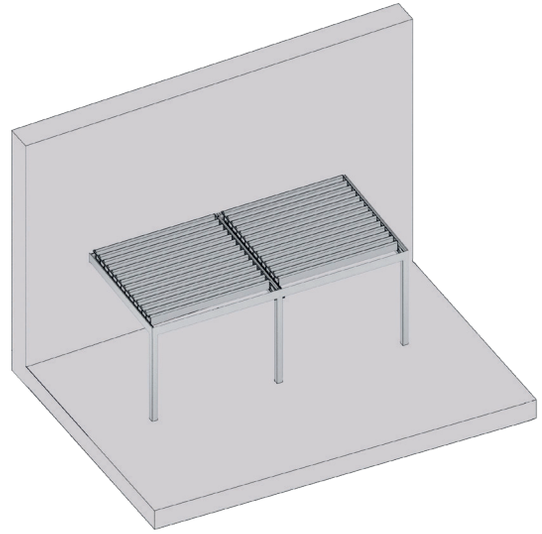
SOLARIA BIOCLIMATIC DOUBLE SYSTEM



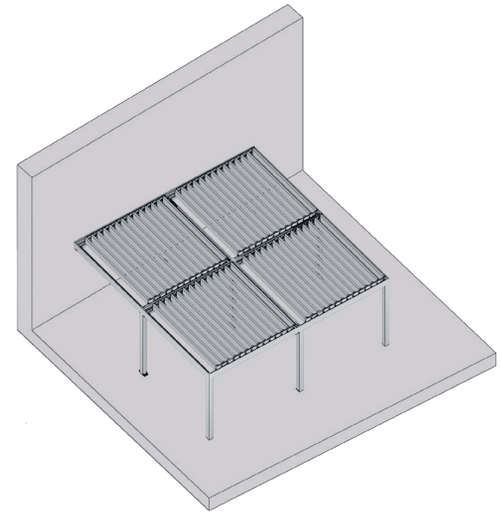
SOLARIA BIOCLIMATIC MULTIPLE SYSTEM



SOLARIA BIOCLIMATIC SINGLE SYSTEM



SOLARIA BIOCLIMATIC DOUBLE SYSTEM



SOLARIA BIOCLIMATIC MULTIPLE SYSTEM











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