



Napište na
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PERGOLA (PREMIUM –SILVER SERIES)
INSTALLATION INSTRUCTIONS

*1 module

WARNING:



BEFORE MAKING ANY INSTALLATION/MOUNTING, PLEASE READ ALL WARNINGS AND INSTRUCTIONS IN THIS MANUAL THOROUGHLY.

ALL INSTALLATION WORKS SHOULD BE CARRIED OUT IN LINE WITH THE CURRENT REGULATIONS.

IF ANY STRUCTURAL DEFICIENCY IS DETECTED FOR THE DWELLING, CUSTOMER SHOULD BE INFORMED ACCORDINGLY.

THE SYSTEM SHOULD BE MOUNTED TO BUILDINGS/DWELLINGS IN GOOD CONDITION.

FAILURE TO COMPLY WITH INSTRUCTIONS MAY JEOPARDIZE THE SAFETY OF PERSONNEL AND INTEGRITY OF AWNING SYSTEM.



BEFORE STARTING TO MOUNT, CHECK THE STRUCTURE AND FLOOR CONDITIONS.

IF IT IS POSITIONED ON A FLAT OR INCLINED SURFACE, FIRST OF ALL, LOCATIONS OF THE FLOOR SUPPORT ELEMENTS SHOULD BE DETERMINED AND PREPARED ACCORDINGLY.

START TO MOUNT BY CHECKING THE PARTS OF THE PRODUCTS NUMBERED ACCORDING TO SEQUENCE OF ASSEMBLY.

**** MANY ACCESSORIES AND PARTS MENTIONED IN THE MANUAL ARE DELIVERED TO YOU AS PRE-INSTALLED.**



DANGER OF ELECTRIC CURRENT!

THIS SYMBOL INDICATES HAZARDOUS CIRCUMSTANCES. IGNORANCE OF THE SYMBOL THAT INDICATES CRITICAL POINTS MAY HARM THE SAFETY OF PERSONNEL AND AWNING.

IMPORTANT:

TOOLS AND EQUIPMENT TO BE USED FOR INSTALLATION



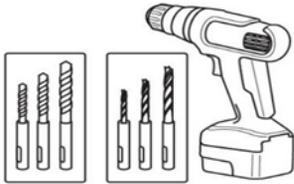
MARKER PEN



MEASURING TAPE



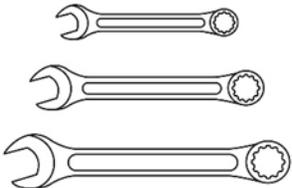
LEVEL (OR LASER DEVICE)



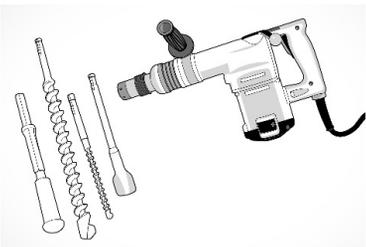
SCREWDRIVER
(5-8-10 DRILLING BIT
6-8-13 KEY HEADED BIT SET)



SET OF ALLEN KEYS
((4-5-6)



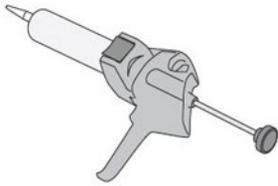
KIT OF WRENCHES
(13-17-19)



HILTI
(7-8-10-16 bits)

IMPORTANT:

TOOLS AND EQUIPMENT TO BE USED FOR INSTALLATION



SILICON GUN



LADDERS



SCISSORS



PUNCH
(50 PCS.)



PLASTIC MALLET



HAMMER –NIPPERS

- SIDE CUTTER
- INSULATING TAPE
- MAINS TESTER
- EPOXY (OPTIONAL)

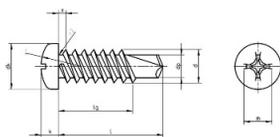
PARTS AND ACCESSORIES TO BE USED FOR INSTALLATION

FRAME AND REAR PILLAR MOUNTING		
DIN 7504K ISO 15480		5.5 x 25 x 5mm acme screw with washer
		M12 * 100mm tubular steel dowel
PILLAR MOUNTING		
DIN 7982 CT		M7 * 100 mm torx screw
		M10 * 100 mm plastic dowel
GUTTER AND RAIL MOUNTING		
DIN 912		Ø16 mm X M8 allen screw
GLASS PROFILE MOUNTING		
DIN 7504N		Ø4.8 x 19 mm spherical shape head screw
DIN 7982CT		M6 * 60mm countersunk screw
		M8 * 60mm plastic dowel
GUTTER INSERT MOUNTING		
DIN 933		M8 * 10 mm hexagonal screw
		M8 plastic gasket
DIN 125		M8 washer
DIN7380		4,8mm* 25mm spherical shape head screw
FABRIC MOUNTING		
DIN 985		M8 nuts with gasket

PARTS AND ACCESSORIES TO BE USED FOR INSTALLATION

MOTOR TUBE RING AND INSERT

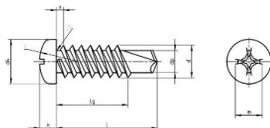
DIN 7380



4,8mm* 25mm spherical shape head screw

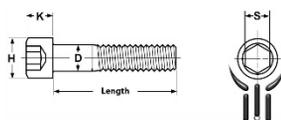
TRAPEZE PROFILE MOUNTING

DIN 7380



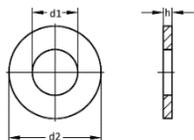
4,8 mm* 19 mm spherical shape head screw

DIN 912



M8 * 16mm allen screw

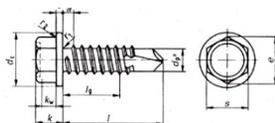
DIN 125



M8 washer

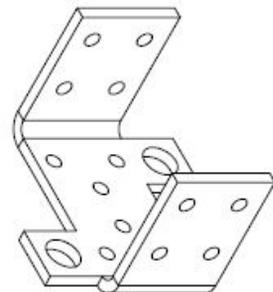
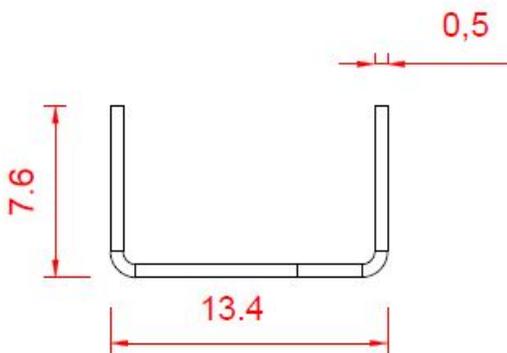
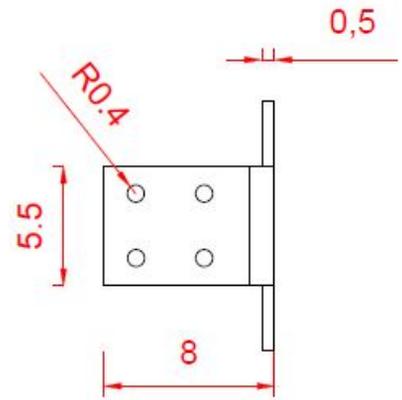
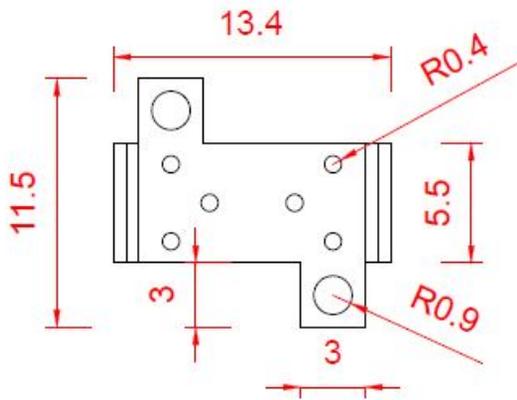
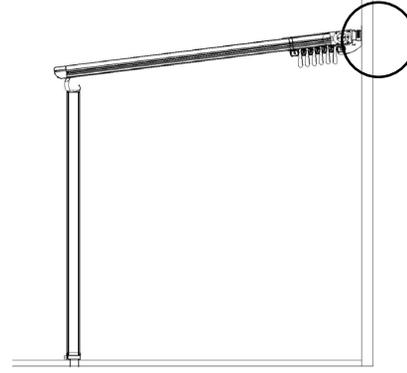
ROOF SHEET MOUNTING

DIN 7504K ISO 15480

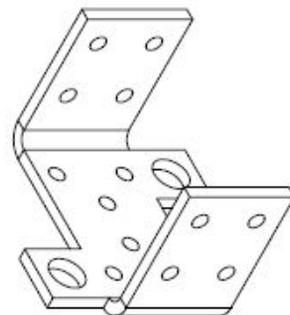
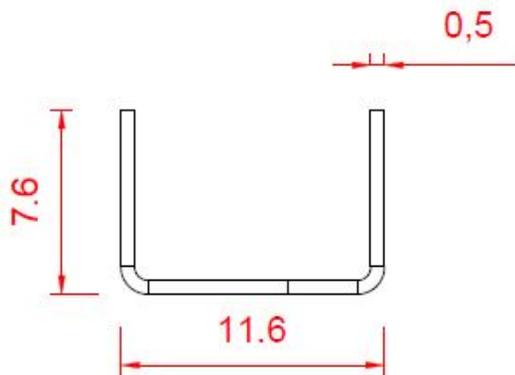
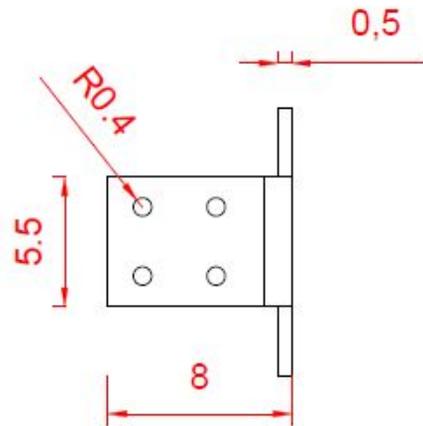
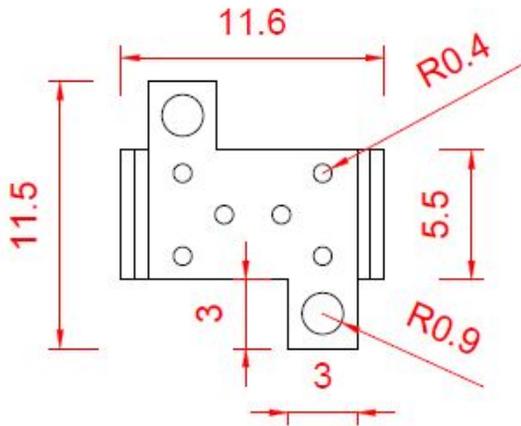
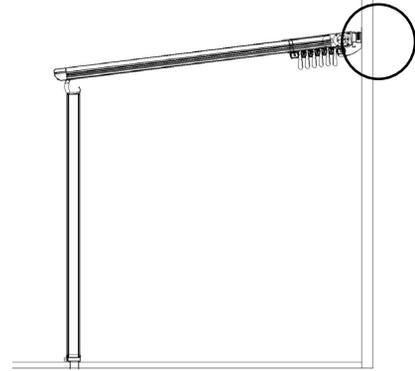


5.5 x 25 x 5mm acme screw with washer

***FRAME HOLDING APPARATUS
PREMIUM SERIES**



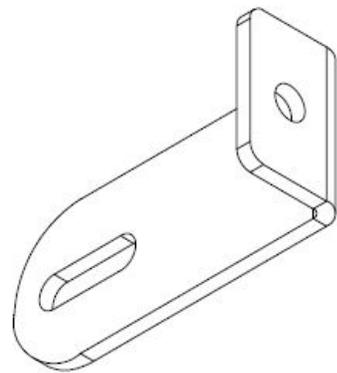
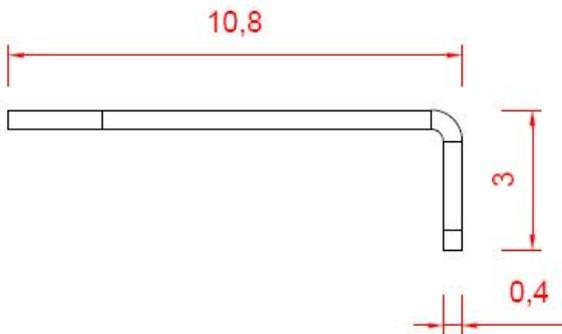
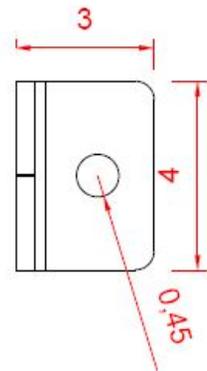
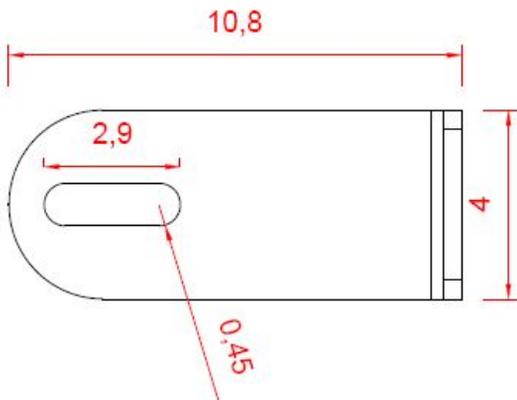
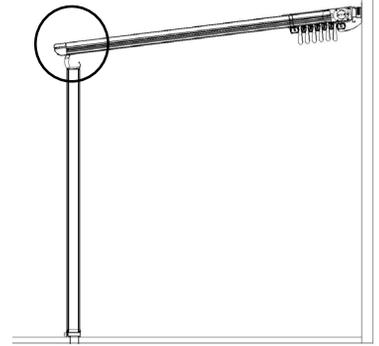
***FRAME HOLDING APPARATUS**
SILVER SERIES



***RAIL GRIPPER**

PREMIUM OLD GUTTER

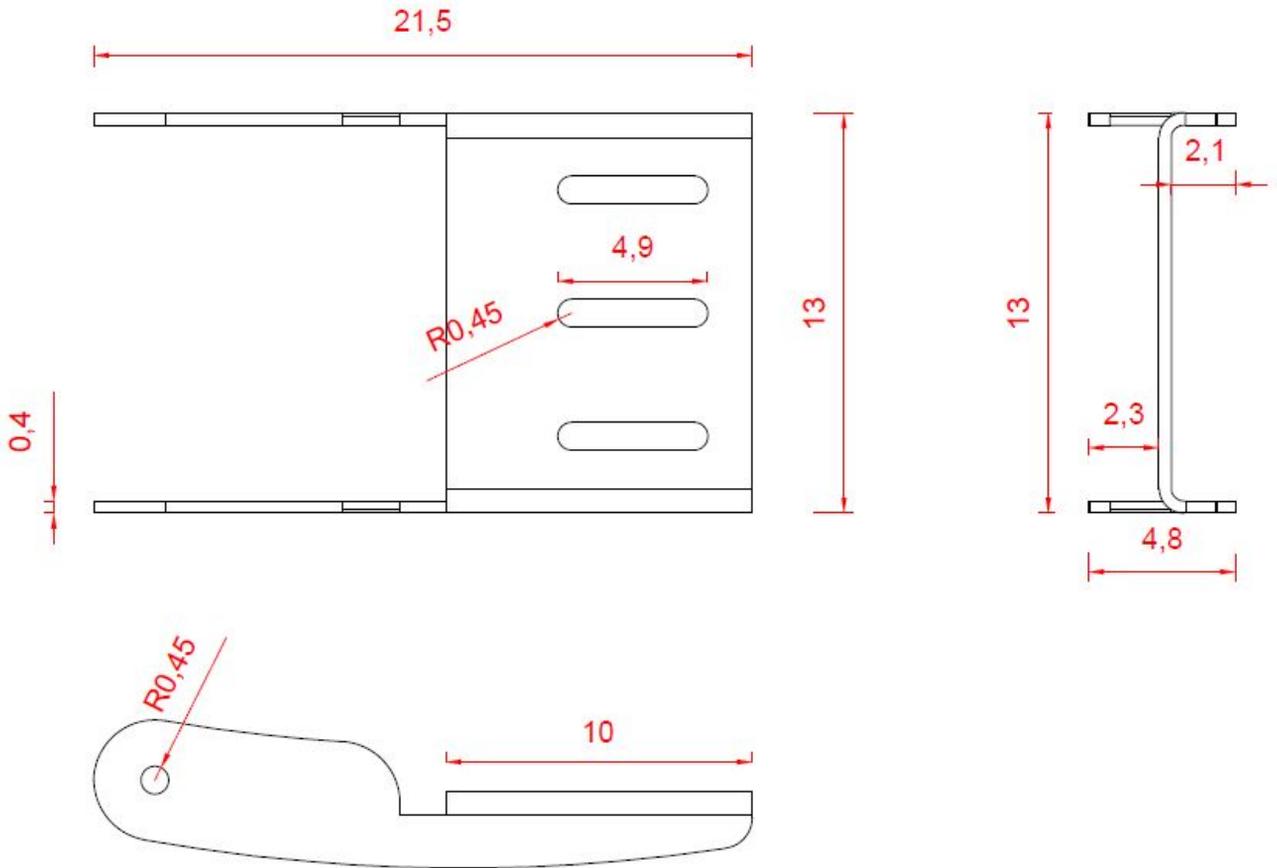
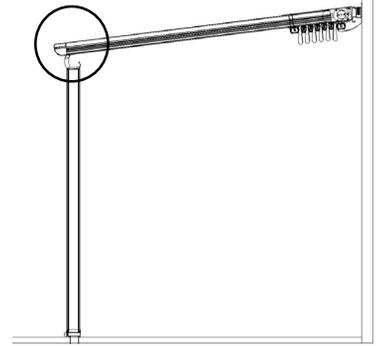
****TO BE DELIVERED AS MOUNTED.**



***RAIL GRIPPER**

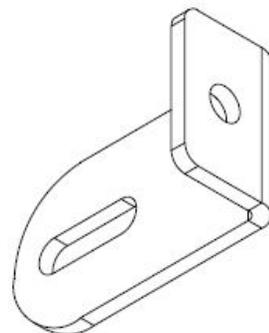
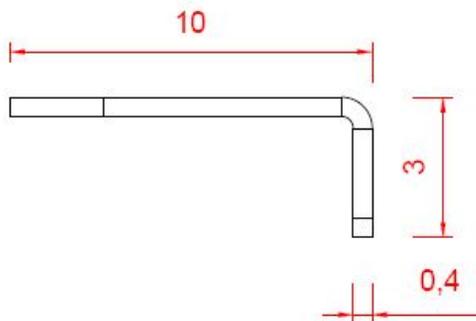
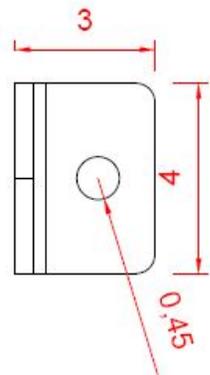
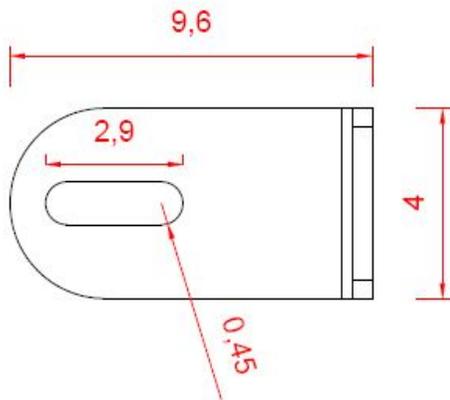
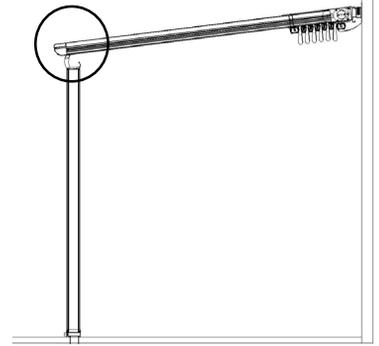
PREMIUM NEW GUTTER

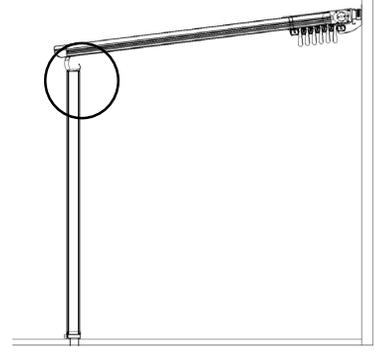
****TO BE DELIVERED AS MOUNTED.**



***RAIL GRIPPER**
(SILVER)

****TO BE DELIVERED AS MOUNTED.**



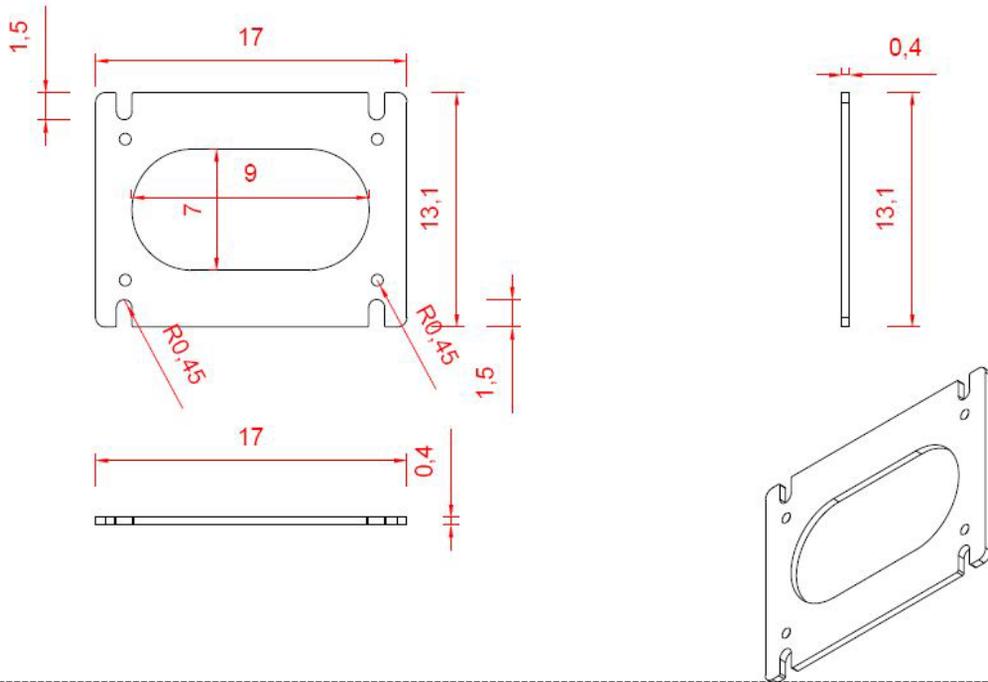


PILLAR UPPER FLANGE

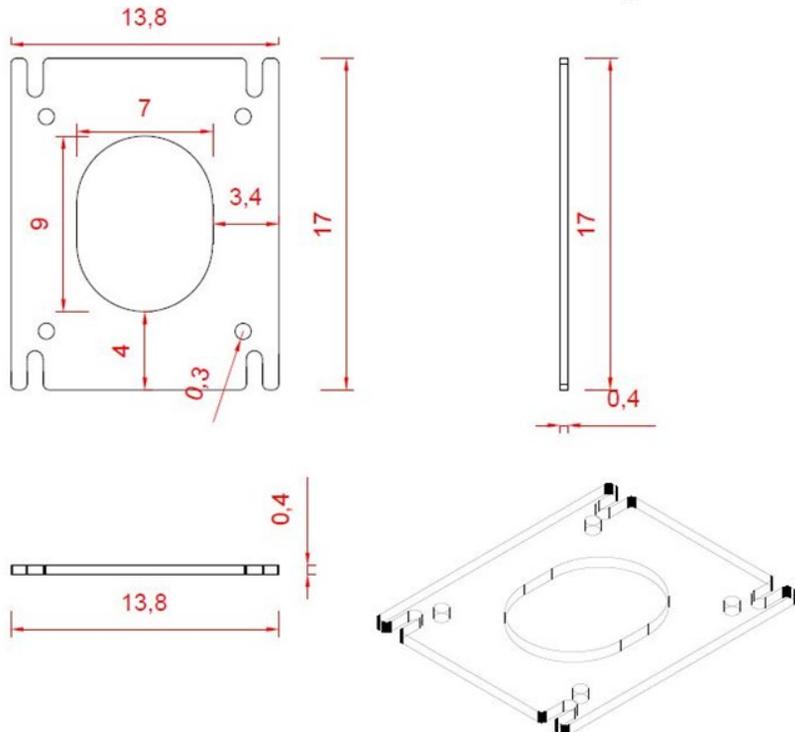
(PREMIUM)

****TO BE DELIVERED AS MOUNTED.**

PREMIUM OLD



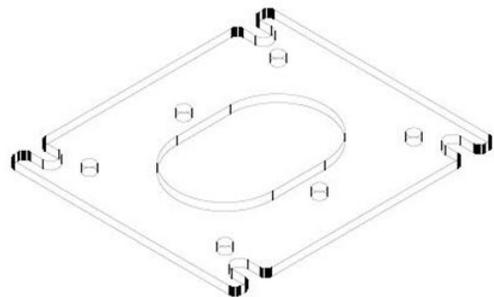
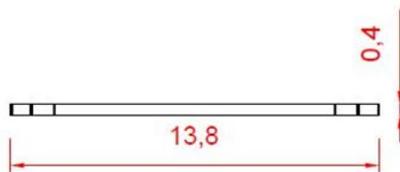
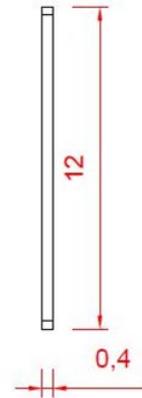
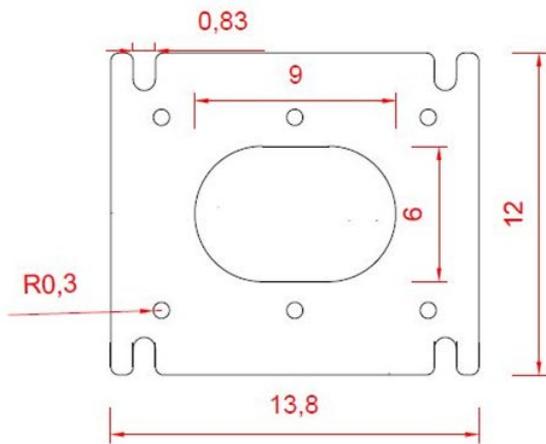
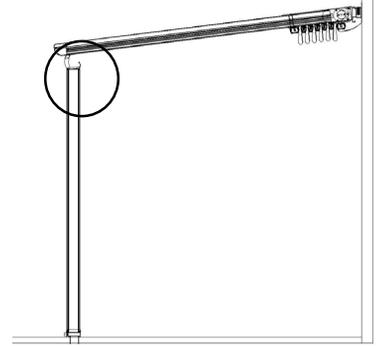
PREMIUM NEW

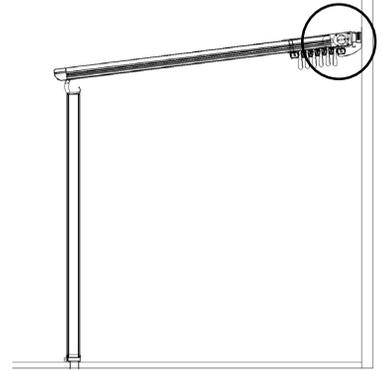


PILLAR UPPER FLANGE

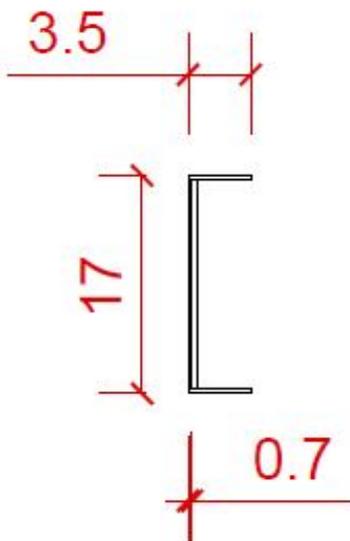
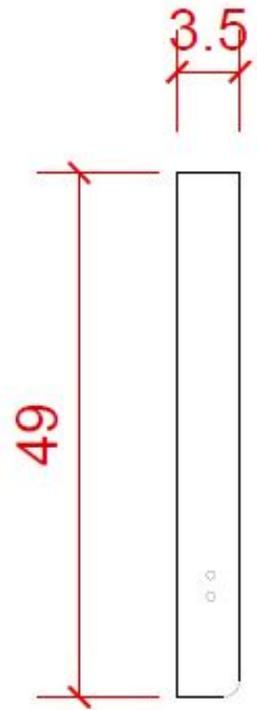
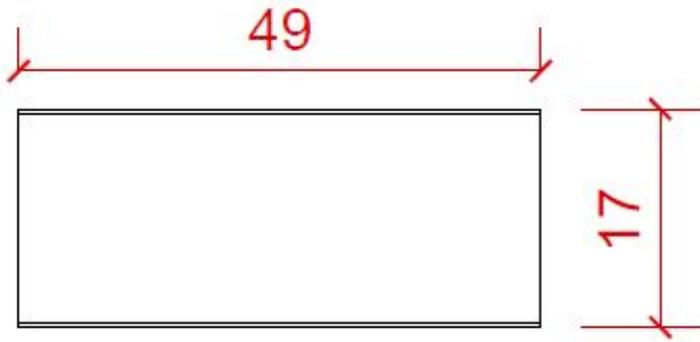
(SILVER)

**TO BE DELIVERED AS MOUNTED.

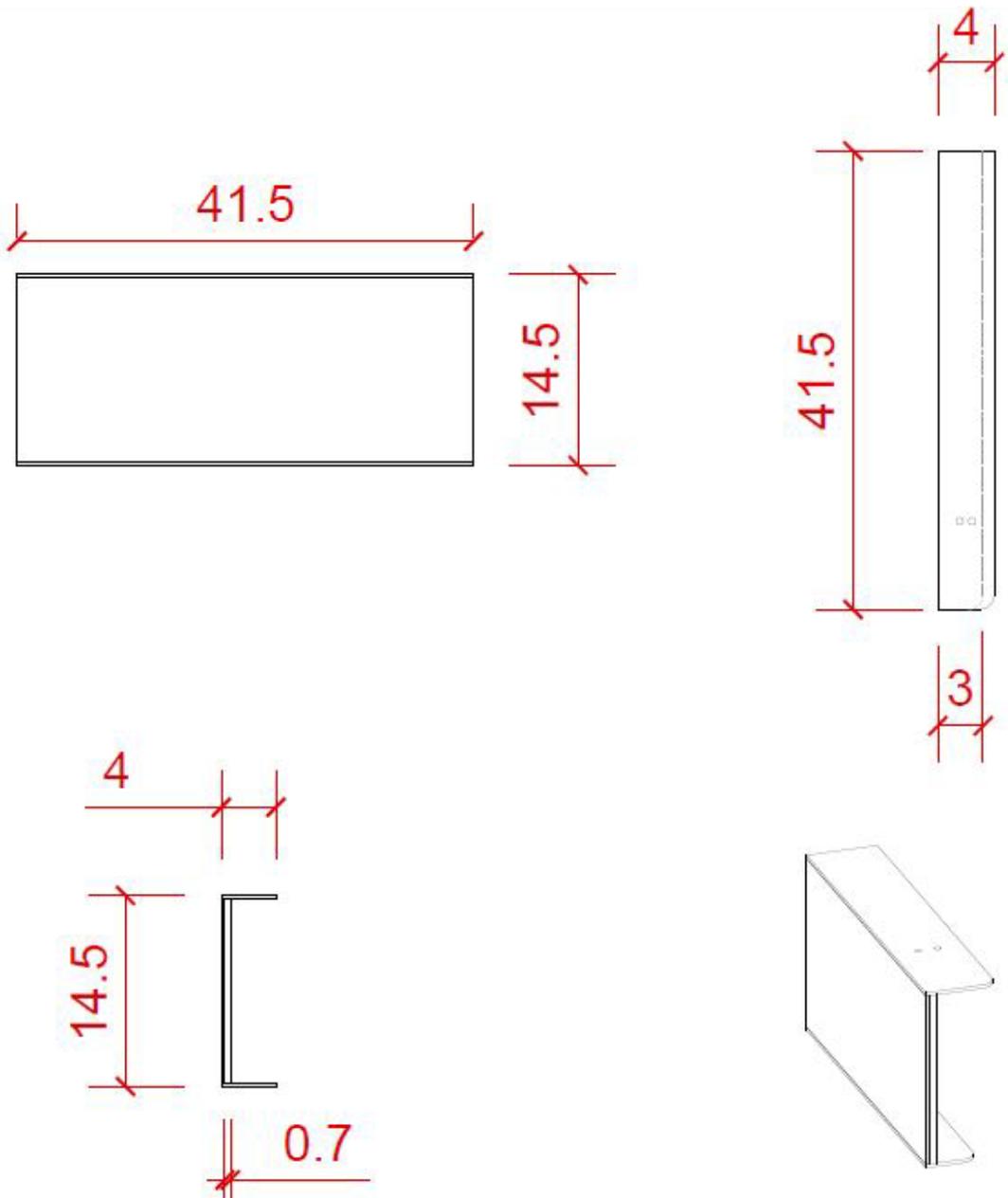
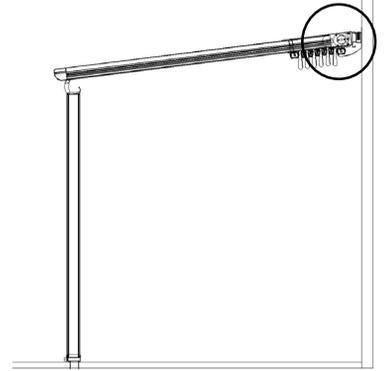


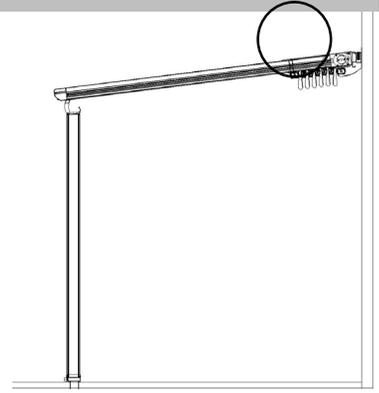


***MOTOR COVER**
(PREMIUM)

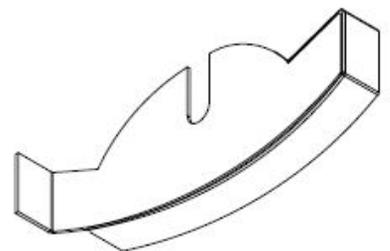
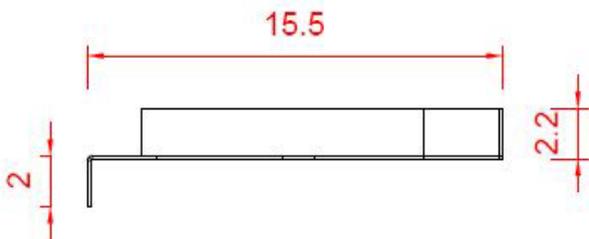
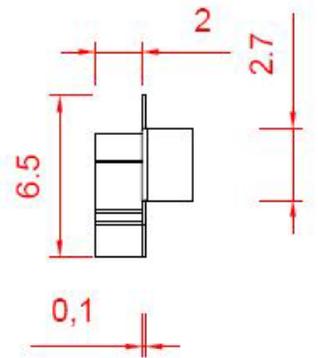
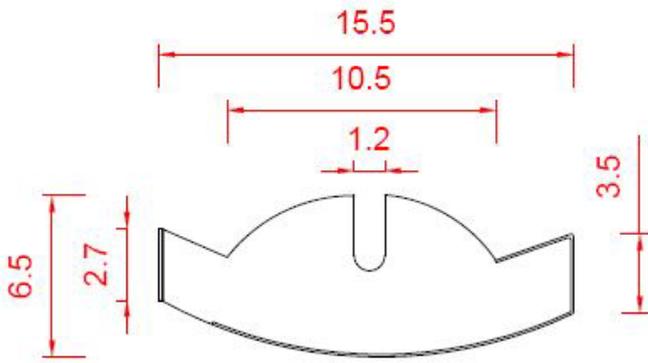


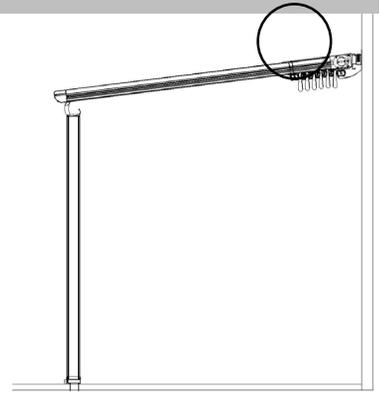
***MOTOR COVER**
(SILVER)



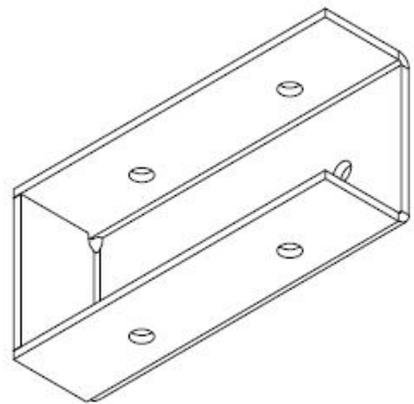
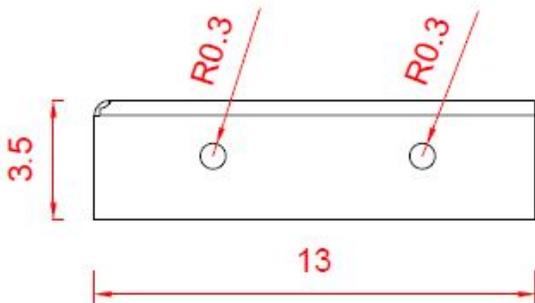
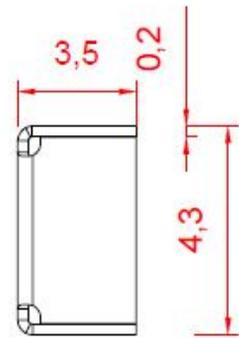
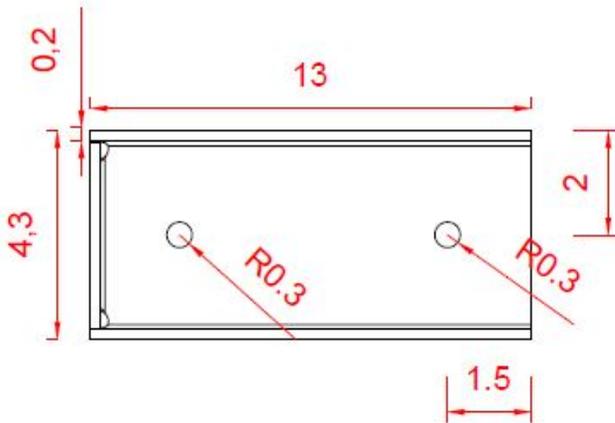


***TRAPEZE APPARATUS**
(PREMIUM)

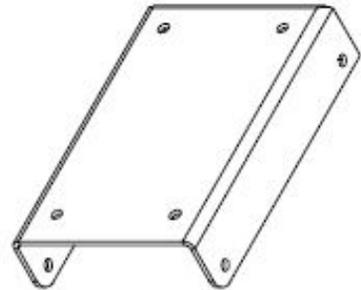
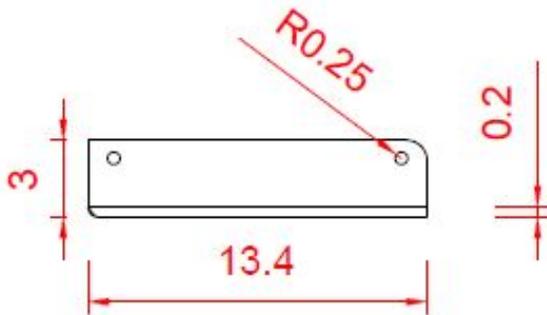
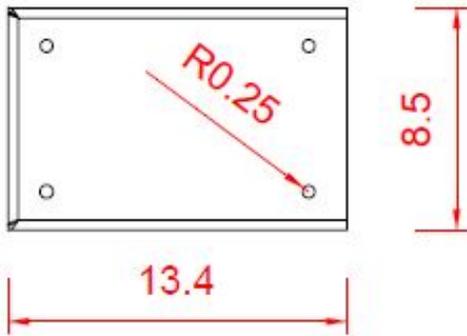
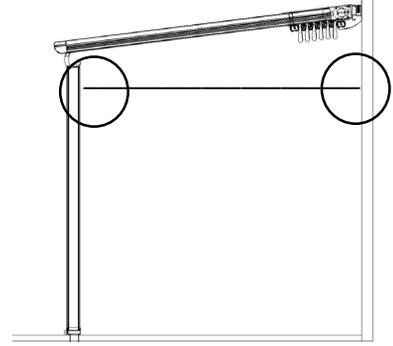




***TRAPEZE APPARATUS**
(SILVER)

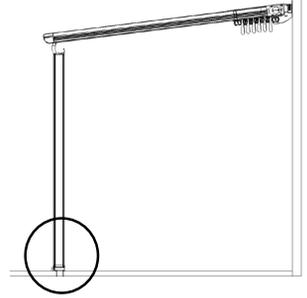


*** GLASS PROFILE APPARATUS**
PREMIUM-SILVER

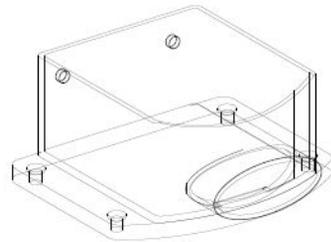
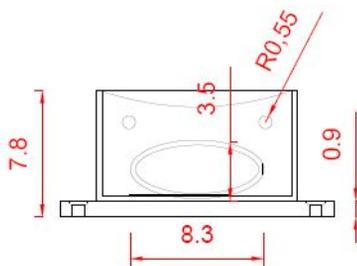
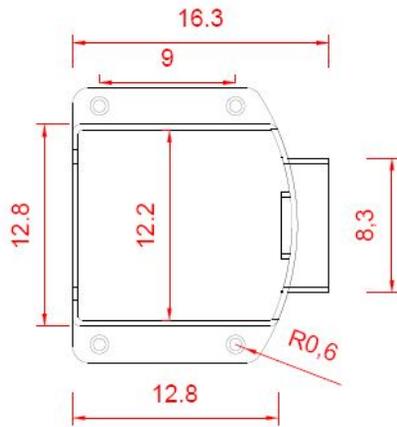


***SILVER-PREMIUM SHOE**

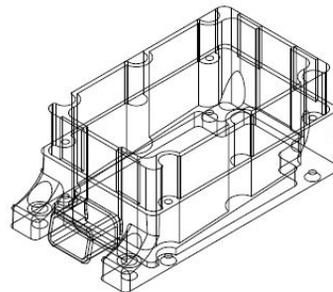
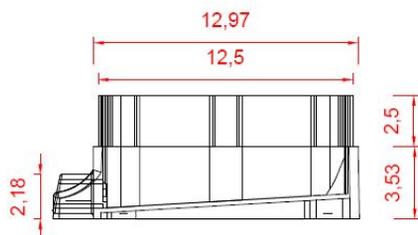
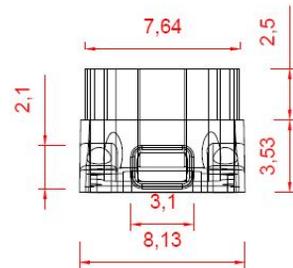
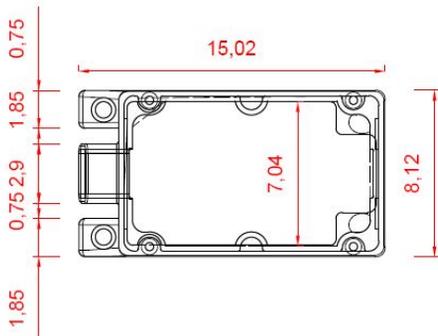
****SHOES TO BE DELIVERED AS MOUNTED TO THE PILLAR.**



PREMIUM



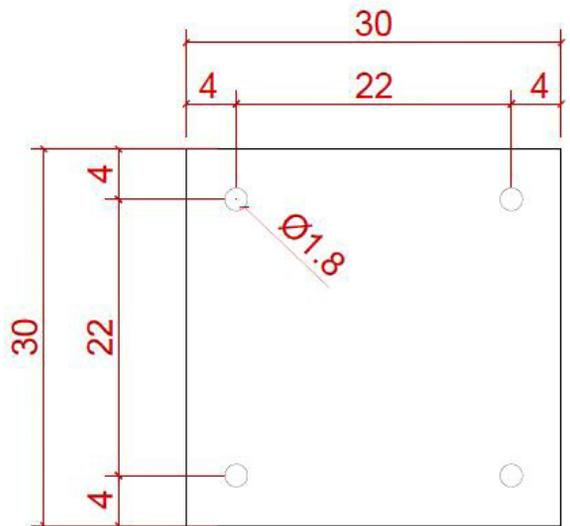
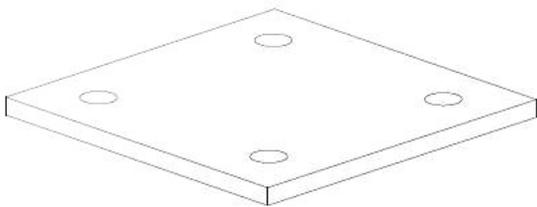
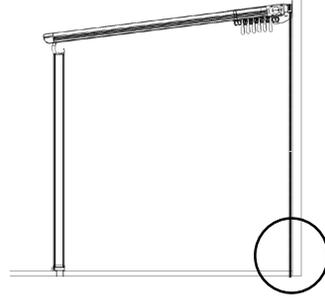
SILVER

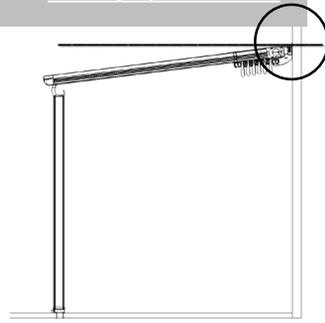


***FLOOR FLANGE**

FLOOR FLANGE: IT HAS PROJECT-BASED DESIGN AND SUBJECT TO CHANGE.
MOST PREFERRED 30X30 FLANGE HAS BEEN INDICATED AS AN EXAMPLE.

****FLANGE TO BE DELIVERED AS MOUNTED TO THE PILLAR.**

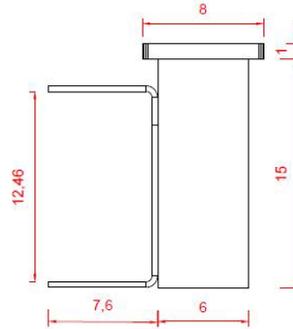
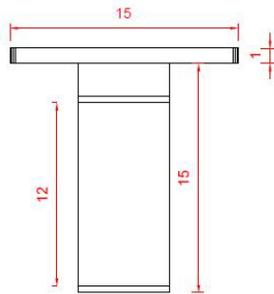
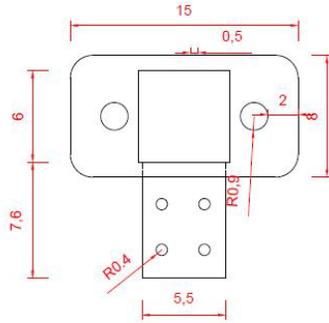




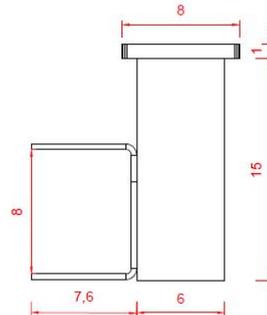
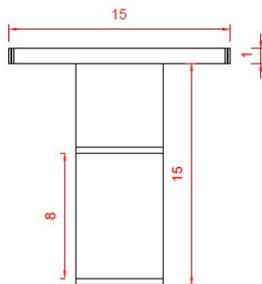
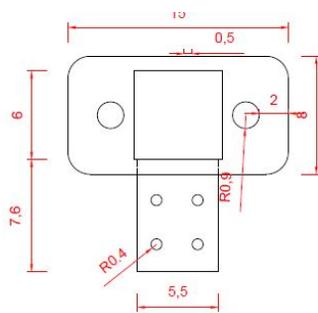
***CEILING, FRAME HOLDING APPARATUS**

IT HAS PROJECT-BASED DESIGN AND SUBJECT TO CHANGE.

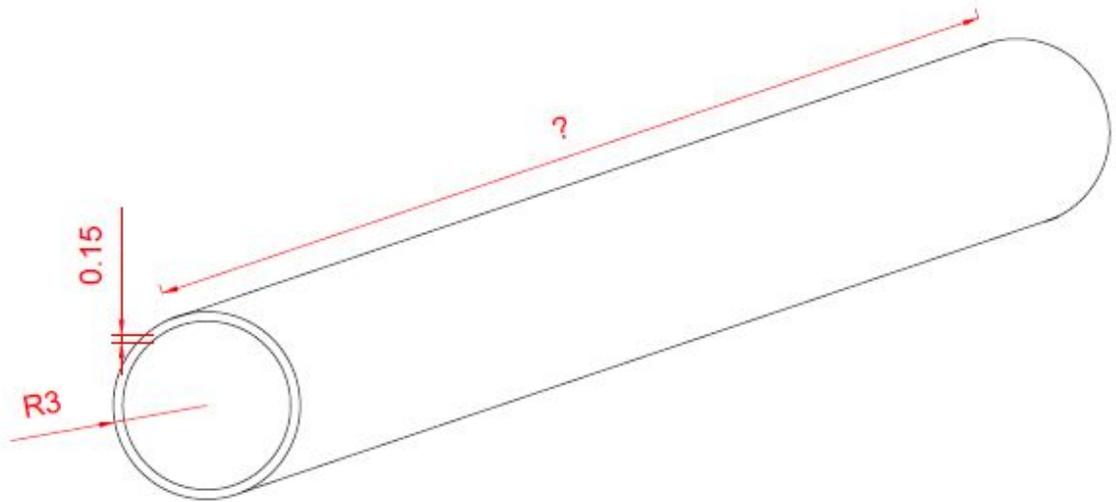
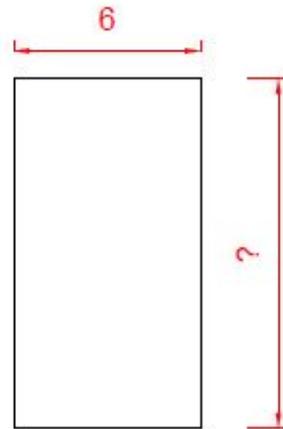
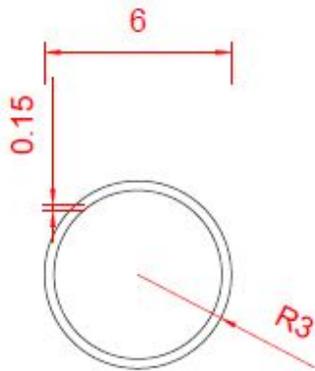
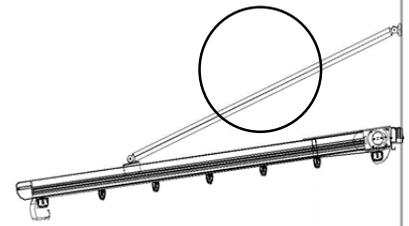
PREMIUM



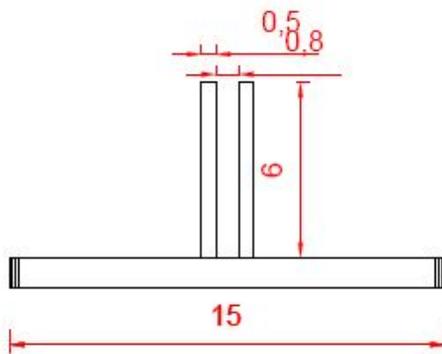
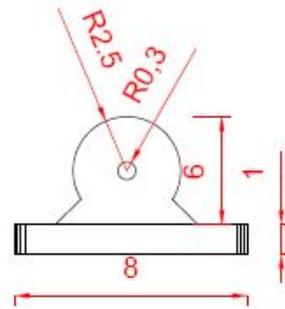
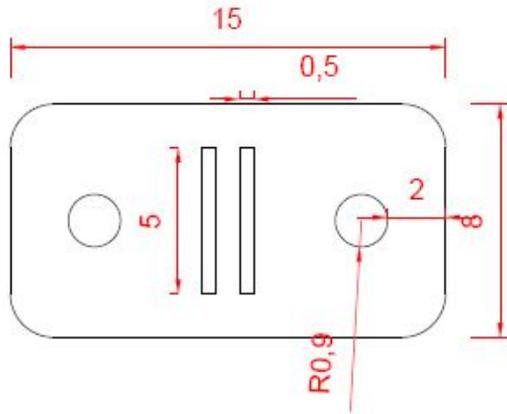
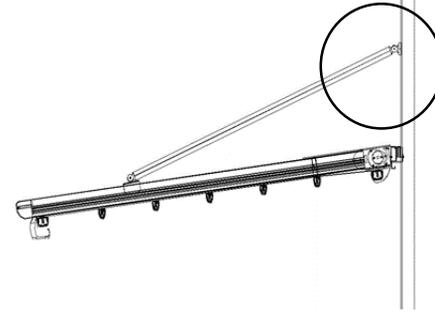
SILVER



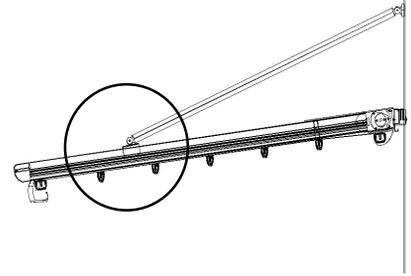
***SUSPENDED MODEL**
IRON TUBE 60 /PREMIUM-SILVER



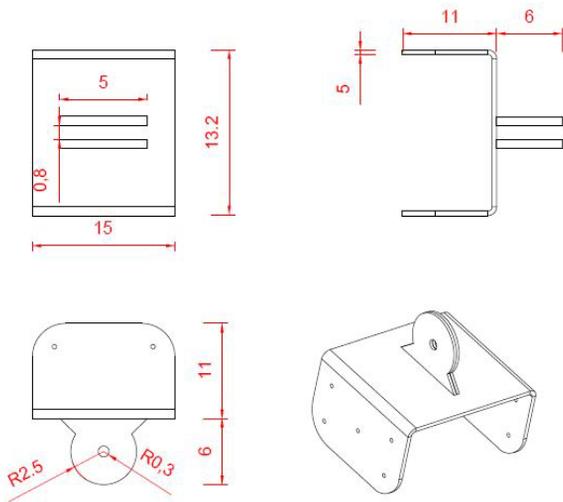
***SUSPENDED MODEL APPARATUS**
WALL APPARATUS/ PREMIUM-SILVER



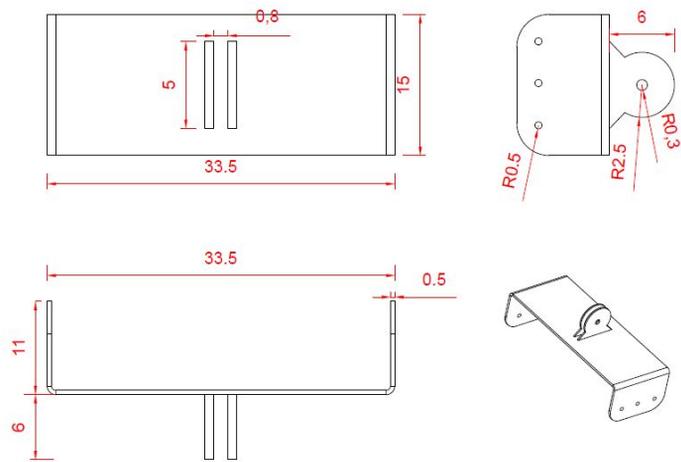
***SUSPENDED MODEL APPARATUS**



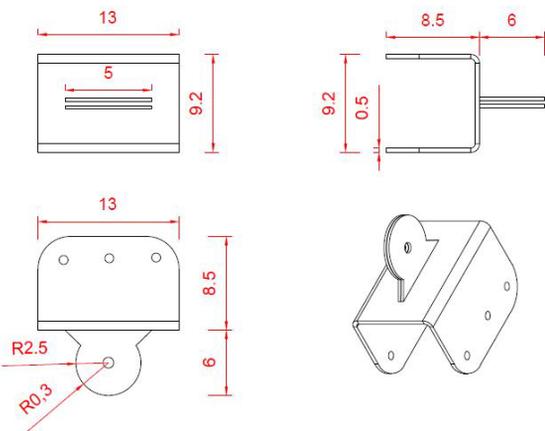
PREMIUM –FRONT SUSPENSION RAIL APPARATUS



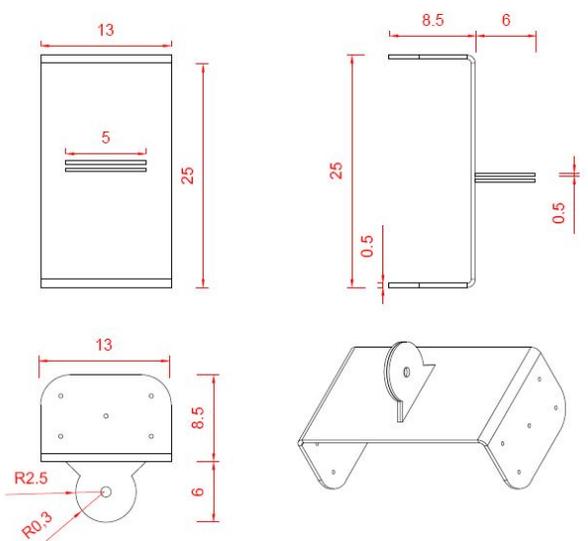
PREMIUM –FRONT SUSPENSION TWIN RAIL APPARATUS



SILVER –FRONT SUSPENSION RAIL APPARATUS



SILVER –FRONT SUSPENSION TWIN RAIL APPARATUS



INSTALLATION STEPS

PART NUMBERS:



IF SHIPMENT CONSISTS OF MORE THAN ONE PROJECT PARTS, EACH PROJECT PARTS WILL BE DELIVERED AS NUMBERED WITH DIFFERENT COLORS.

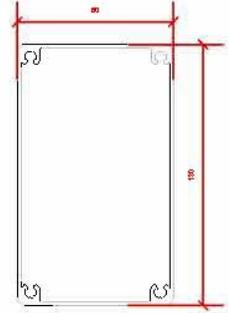
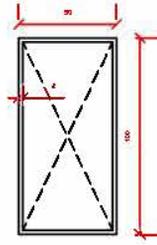
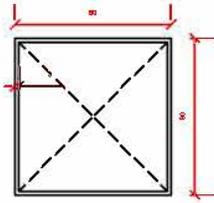
EACH PART HAS A PACKAGE NUMBER, IT IS RECOMMENDED TO UNPACK IN ORDER OF MOUNTING.

*PARTS NO. 1 AND 10 ARE OPTIONAL.

*ACCESSORIES ARE PACKAGED IN THE BOX NO. 11.



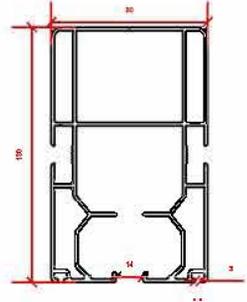
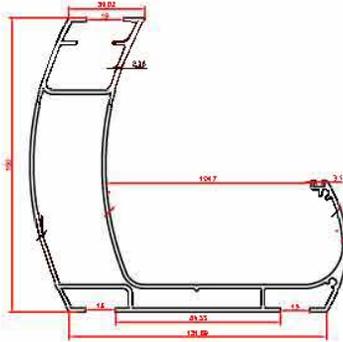
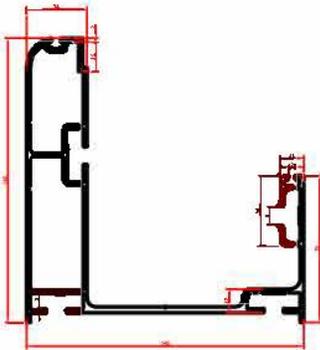
SILVER SERIES



1

2

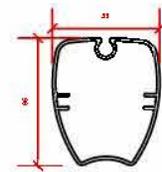
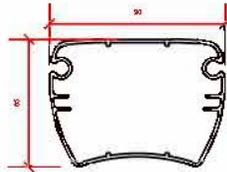
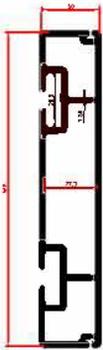
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4

4

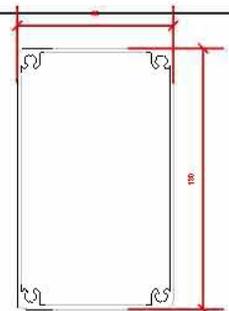
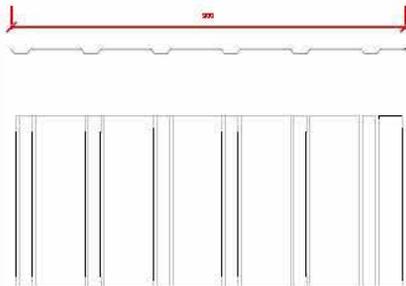
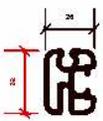
5



7

8

8

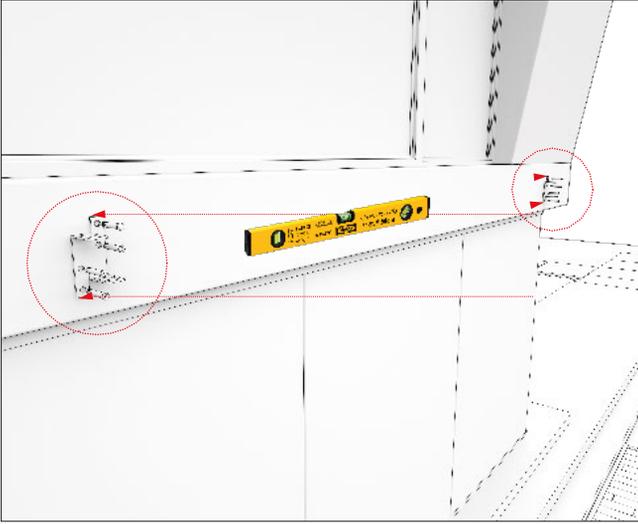


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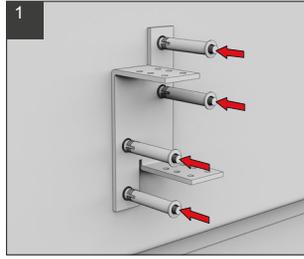
9

10

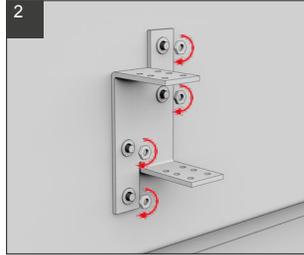
Step1



CHECK THE MOUNTING SURFACE, IF IT IS LEVELLED, MARK THE POINTS WHERE APPARATUS ARE PLACED AND MOUNT THE APPARATUS THAT HOLDS THE BASE FRAME.

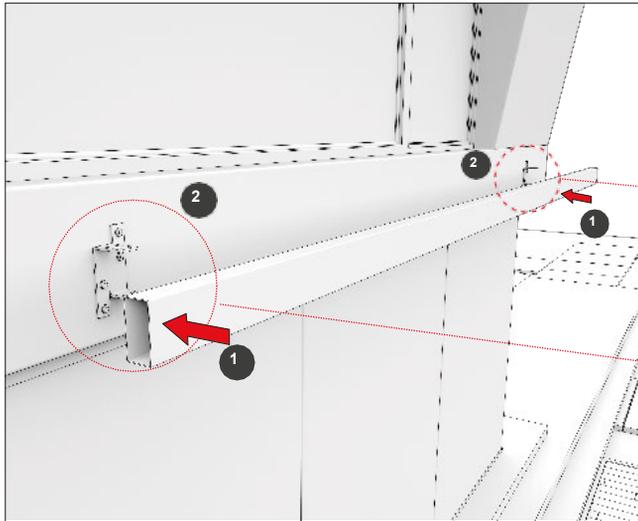


PUT THE DOWELED WALL SCREWS INTO THE DESIGNATED POINTS.

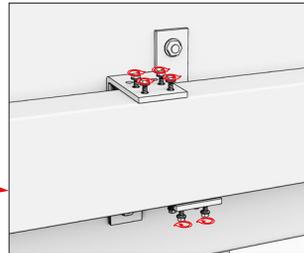


FASTEN THEM WITH NUTS.

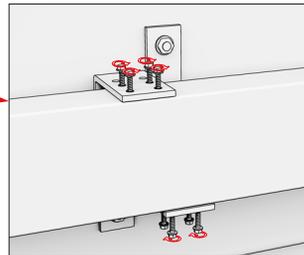
Step2

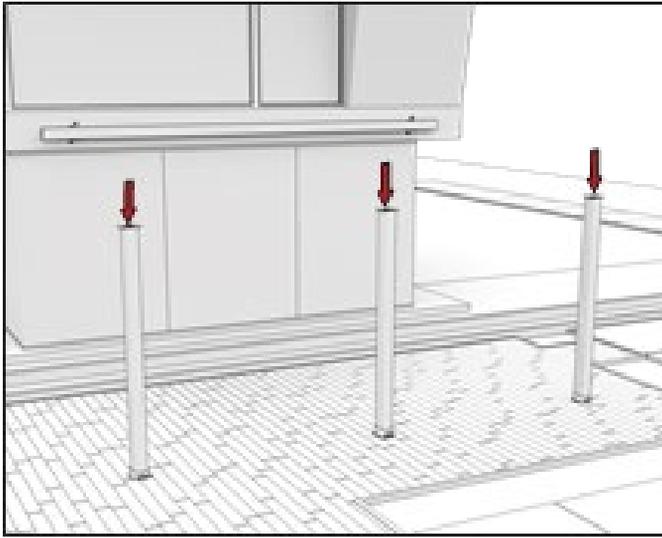


PLACE THE BASE FRAME TO THE DIRECTION (1)

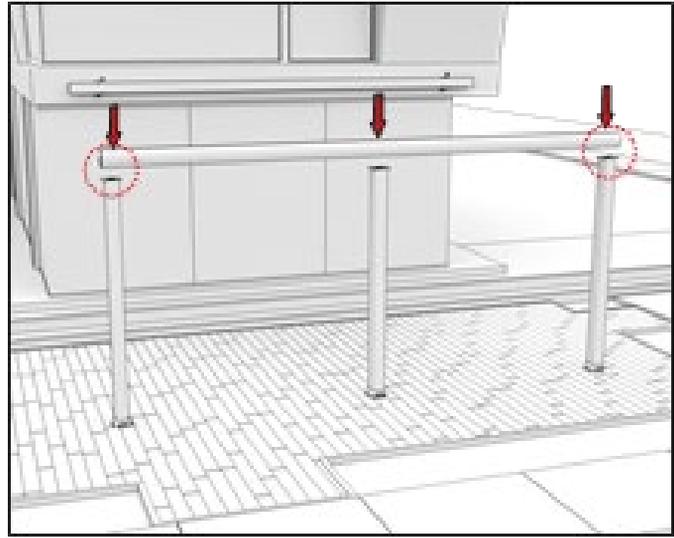


FASTEN ALL APPARATUS TO THE PROFILE WITH CONNECTION SCREWS.

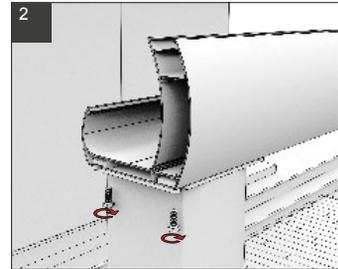
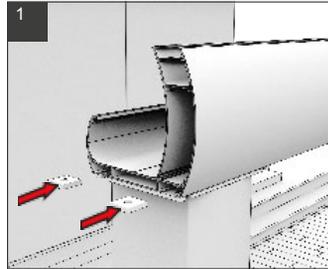




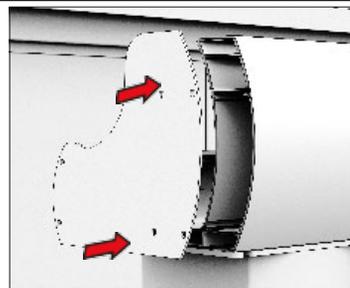
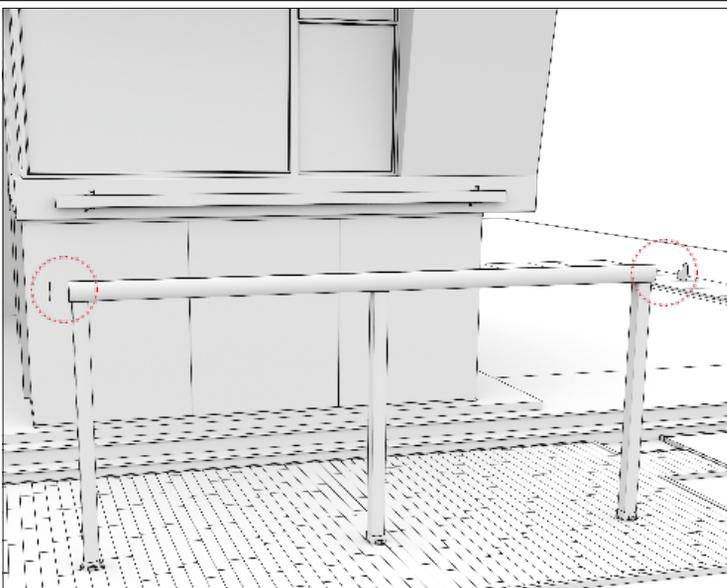
PLACE THE FRONT POSTS AT UPRIGHT POSITION TO THE PREDETERMINED POINTS WITH THE HELP OF PERSONNEL (2).



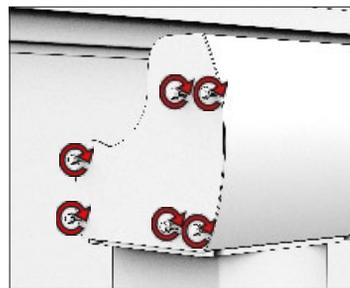
GUTTER PROFILE ARE POSITIONED ON THE POSTS. GUTTER AND PILLAR ARE OVERLAPPED.



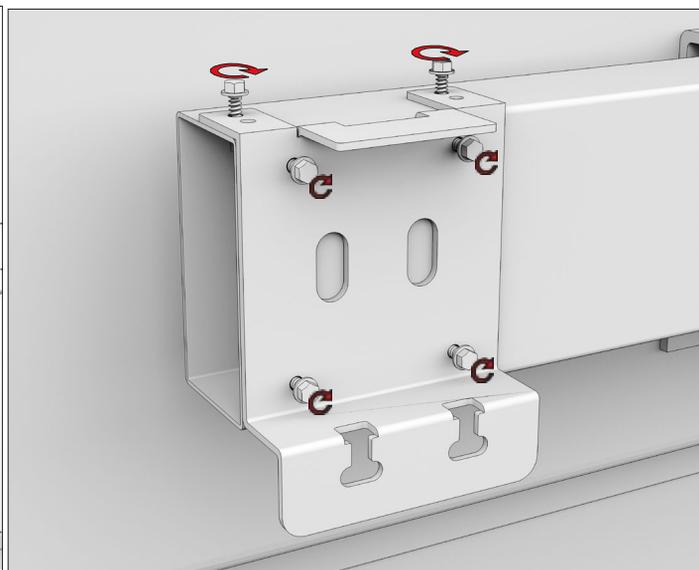
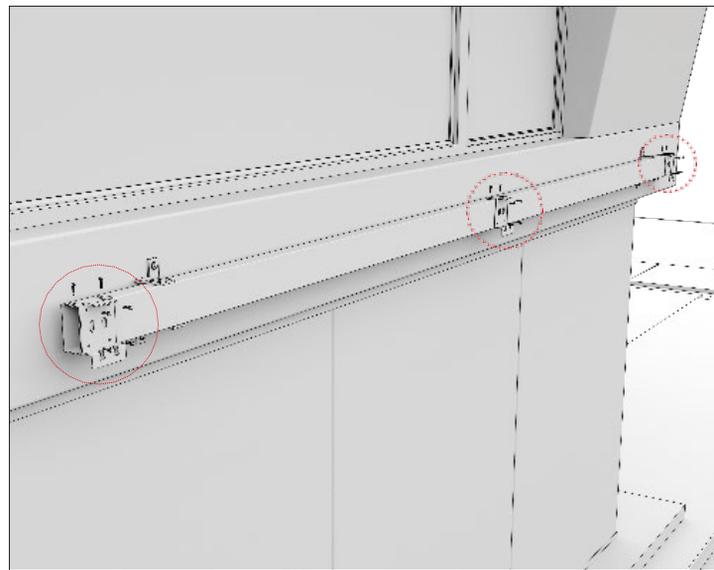
POSITION THE SQUARE NUTS AND FASTEN WITH CONNECTION SCREWS.



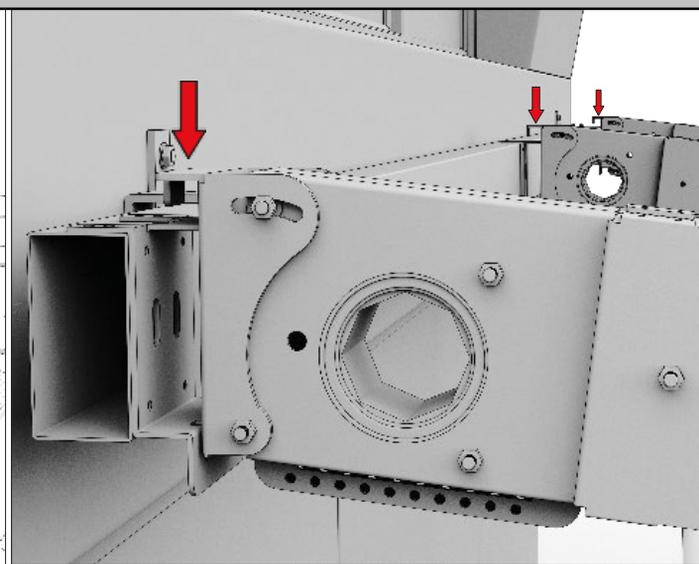
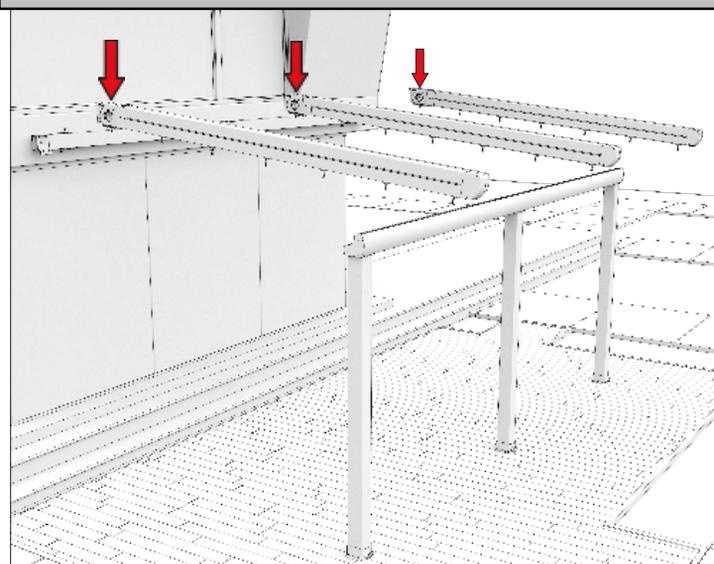
PLACE THE GUTTER COVERINGS. FASTEN THEM WITH CONNECTION SCREWS.



**TO BE DELIVERED AS MOUNTED.



PLACE THE RAIL GRIPPERS ON BASE PROFILE AND FASTEN THEM WITH CONNECTION SCREWS.



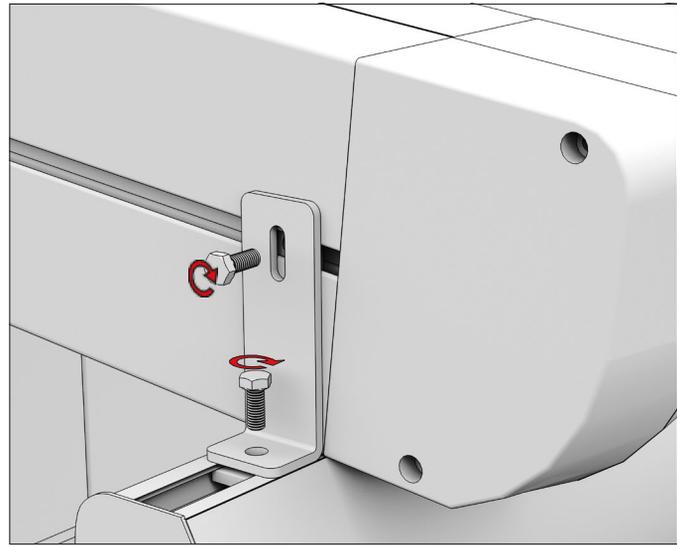
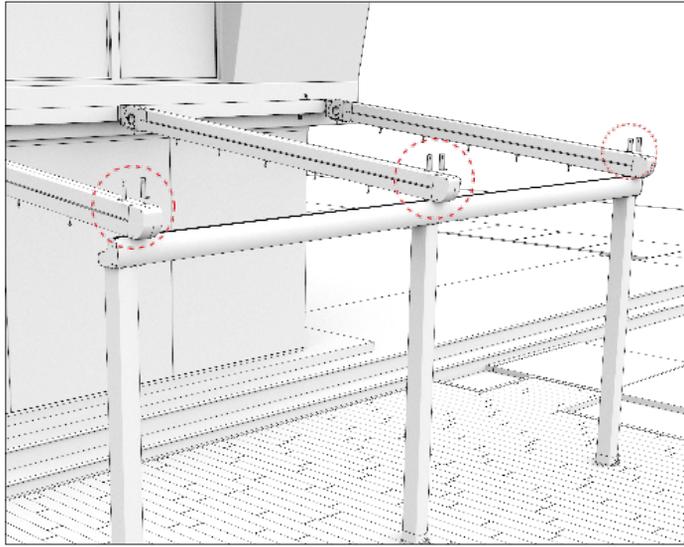
WITH THE HELP OF PERSONNEL (2),

(RAIN GASKET SHOULD BE INSERTED INSIDE.

GASKET ARE AVAILABLE ON BOTH SIDES OF MIDDLE RAILS FOR THE SYSTEMS WITH 3 OR 4 RAILS.)

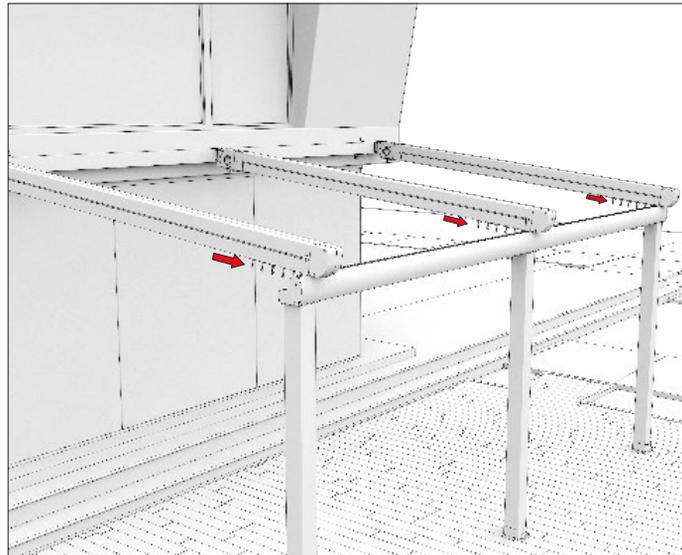
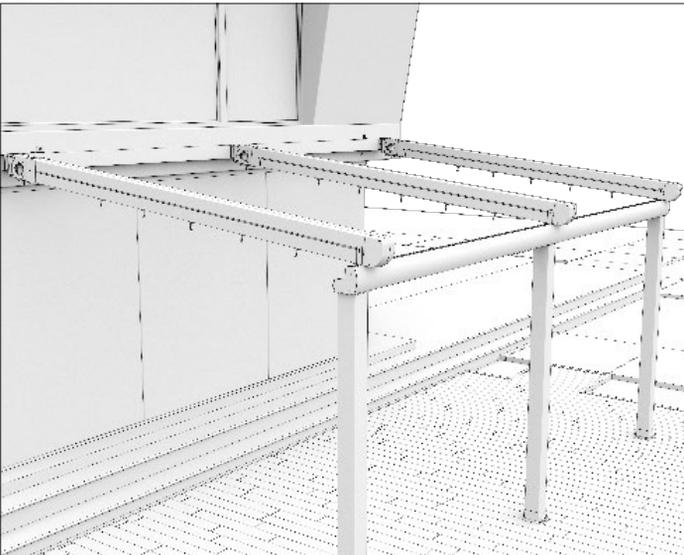
REAR PART OF THE RAILS IS INSERTED TO APPARATUS AT FIRST, AND RAILS ARE POSITIONED ONTO THE GUTTER PROFILE DEPENDING ON SIZE.

Step 7



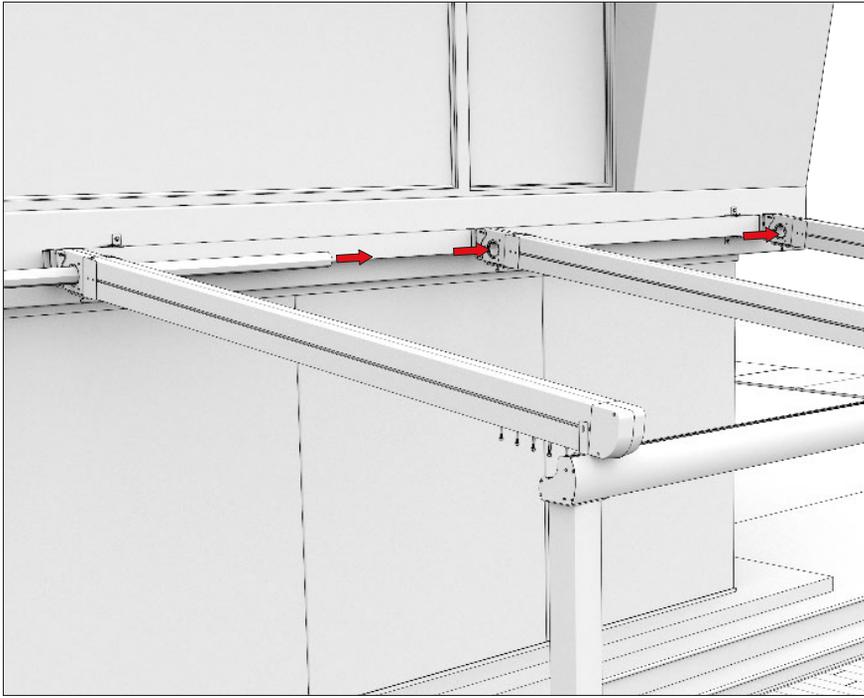
INSTALL THE PARTS ON THE FRONT PARTS OF RAIL PROFILES AND THEN SCREW.

Step 8



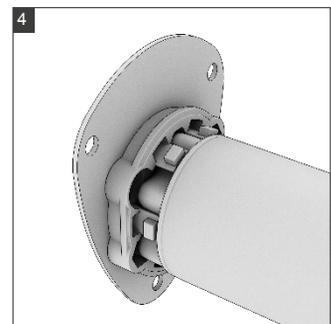
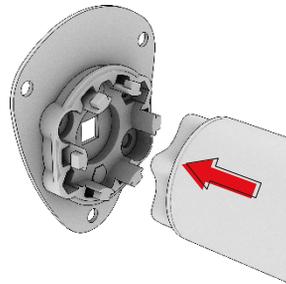
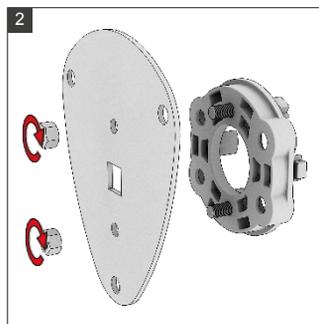
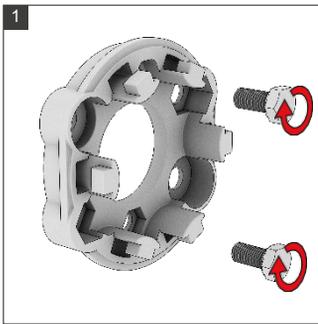
BRING THE WHEELS (DOWNWARD LOOKING) WITHIN THE RAIL PROFILES TO THE FRONT PART.

Step9



PLACE THE MOTOR TUBE INTO THE DESIGNATED OCTAGONAL HOUSING.

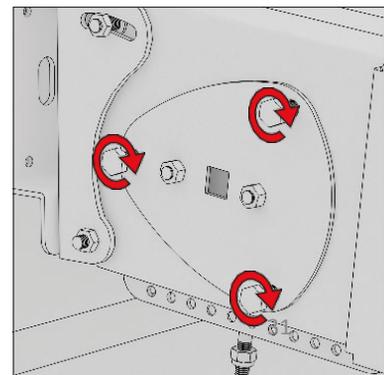
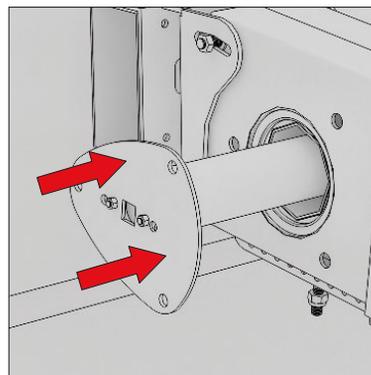
Step10

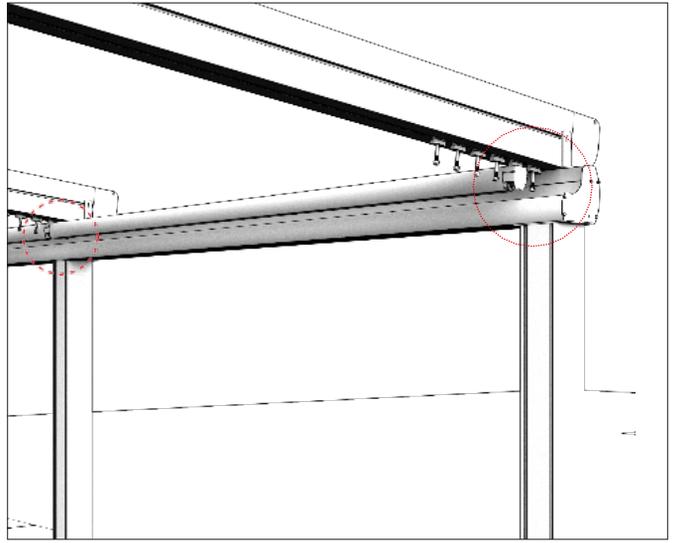
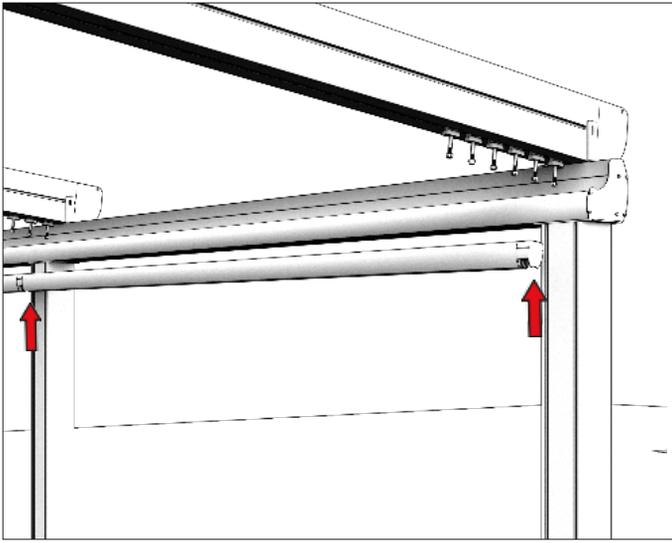


FASTEN THE MOTOR WITH CONNECTION PARTS BY FOLLOWING THE SEQUENCE OF ACTIONS.

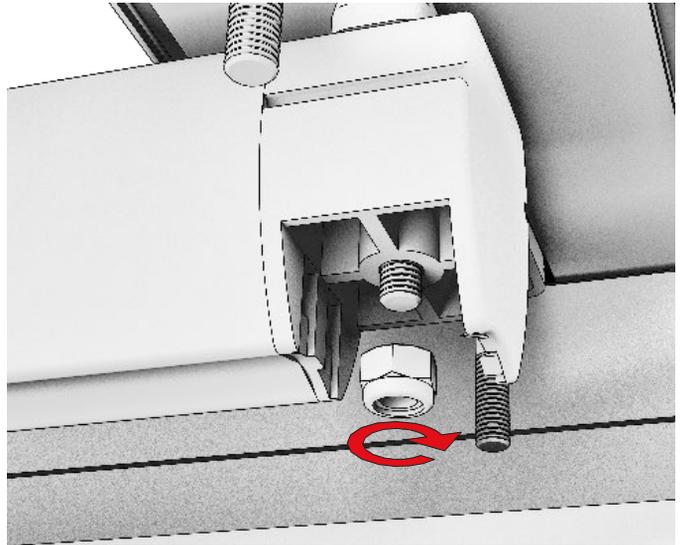
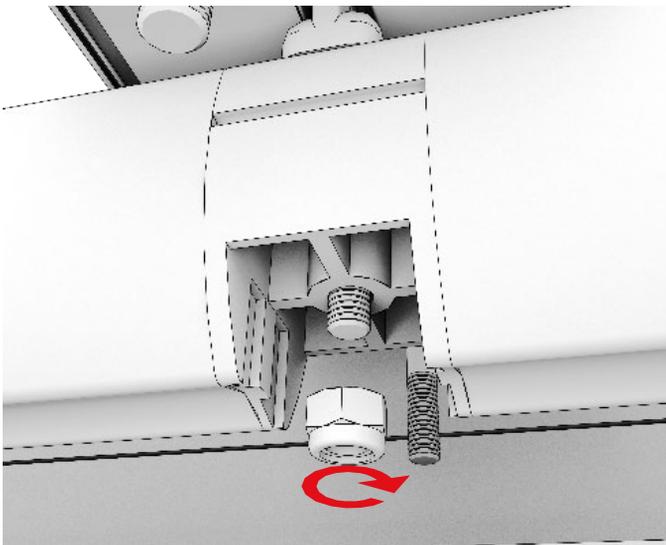
Step11

FASTEN THE MOTOR BY PLACING IT INTO THE MOTOR TUBE.

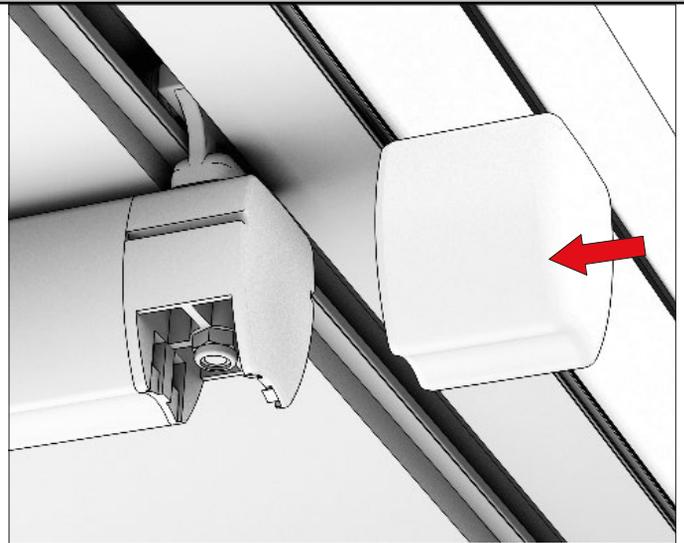
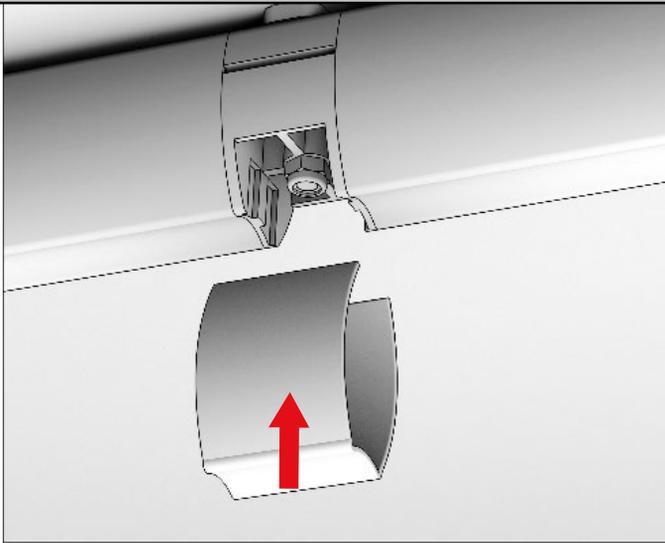
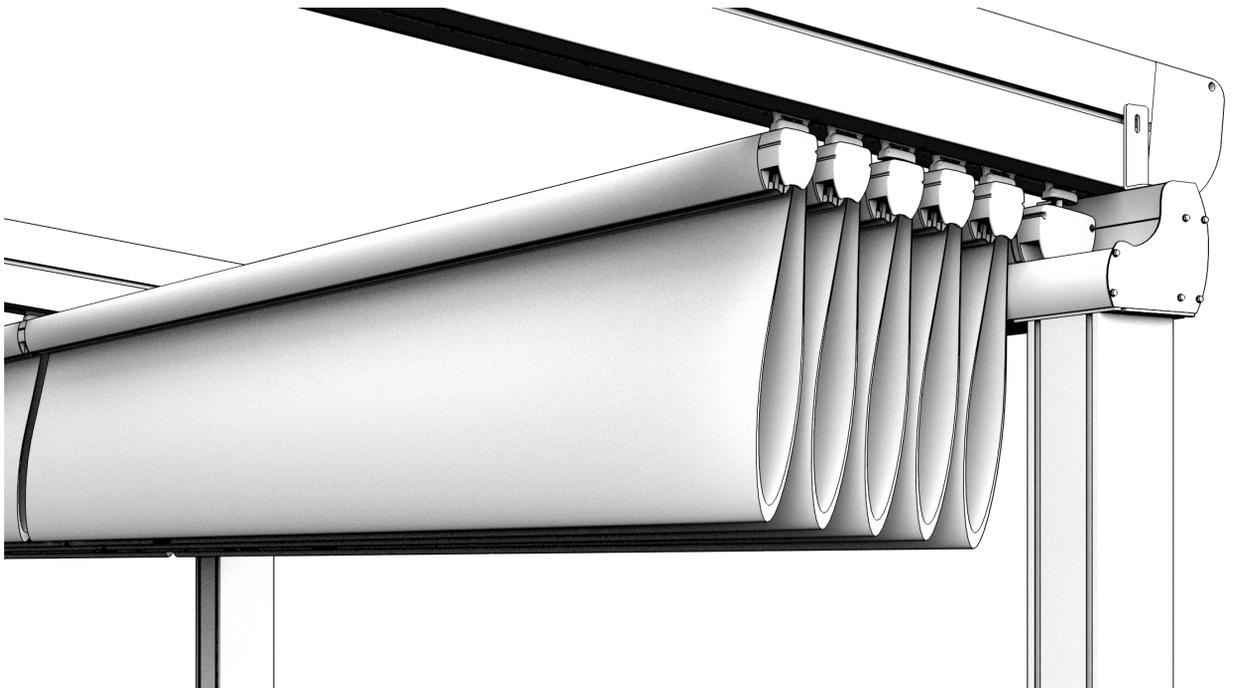




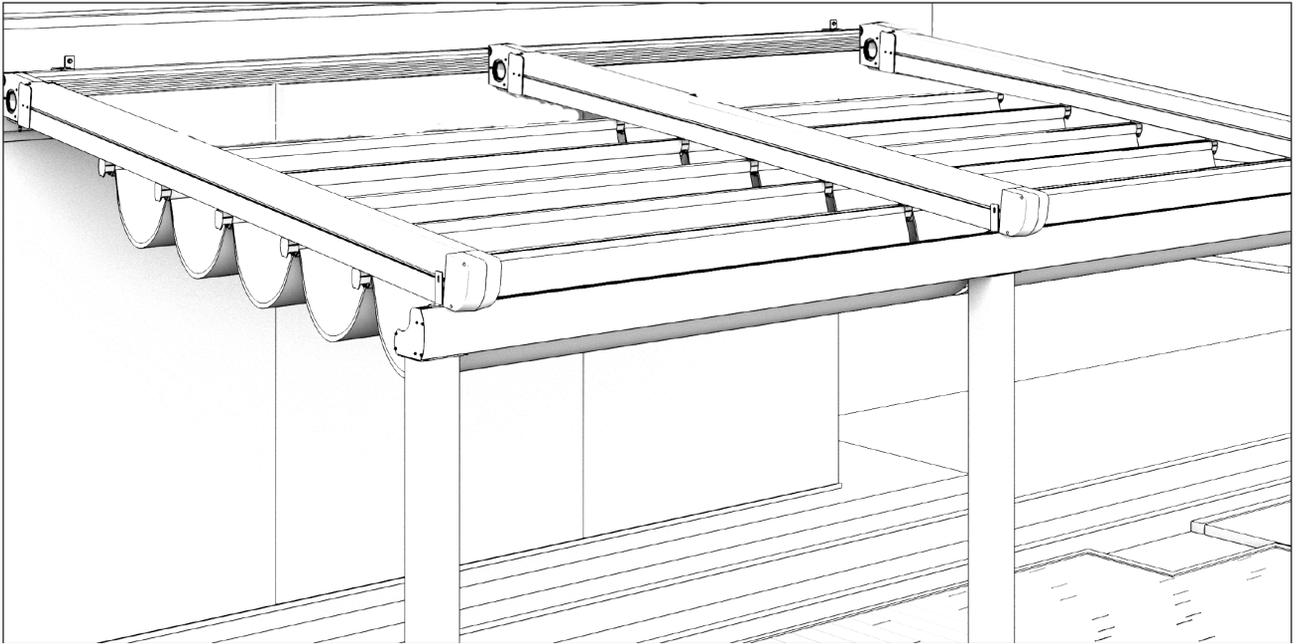
FASTEN THE WHEELS BY INSERTING SCREWS OF APPARATUS FROM THE VERY BEGINNING OF FABRIC.



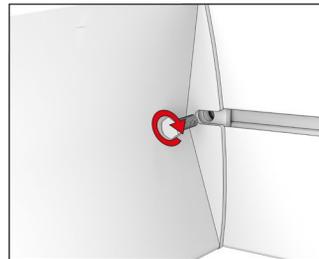
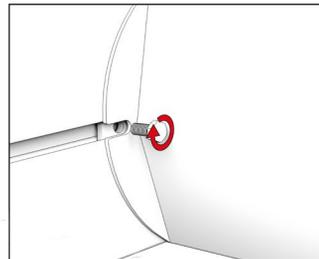
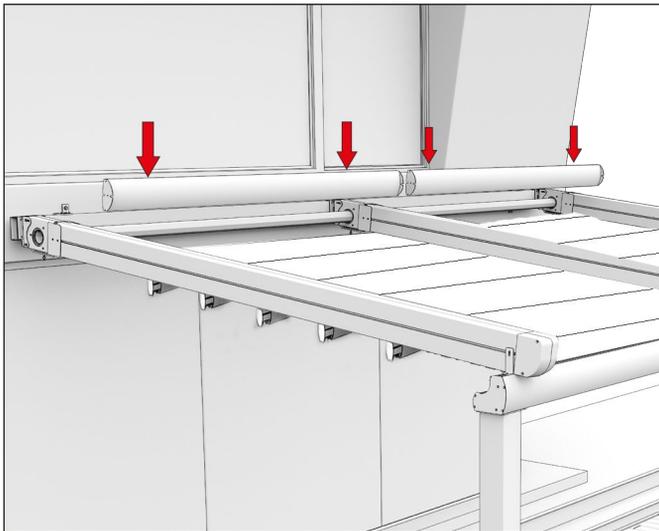
FASTEN THE RELEVANT PARTS.



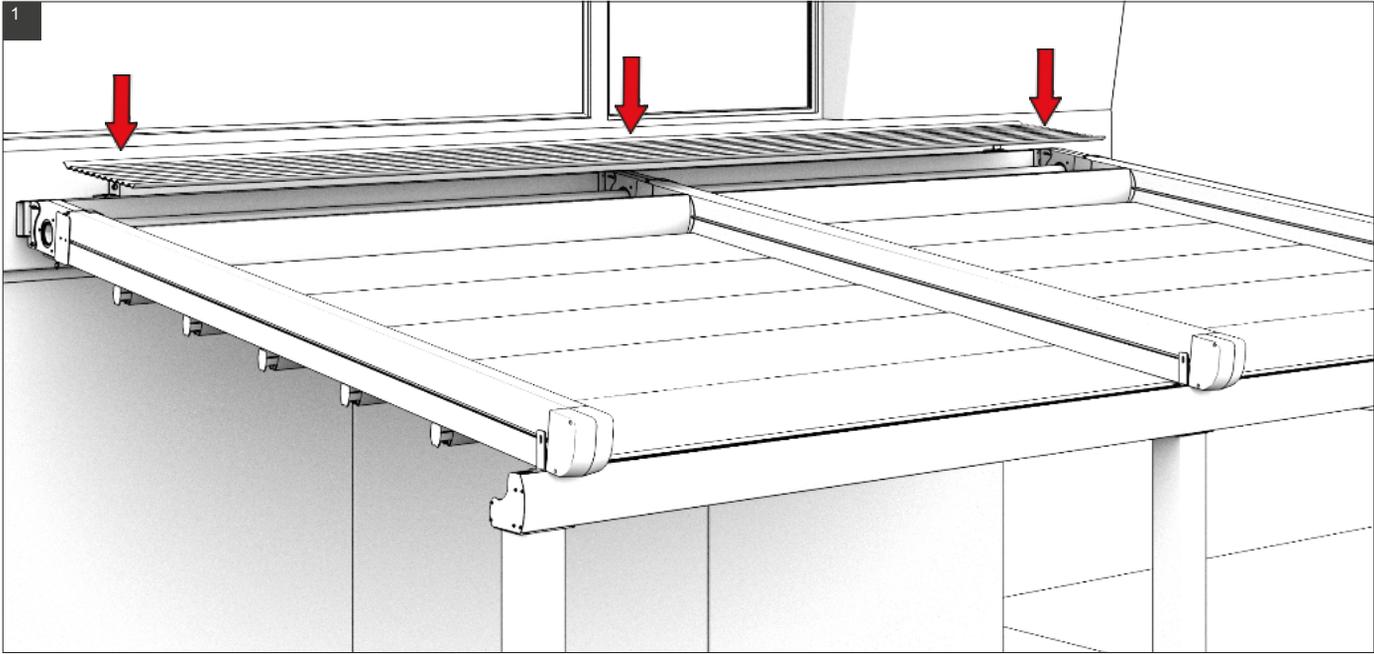
INSERT THE COVERS ON THE FABRIC PROFILE.



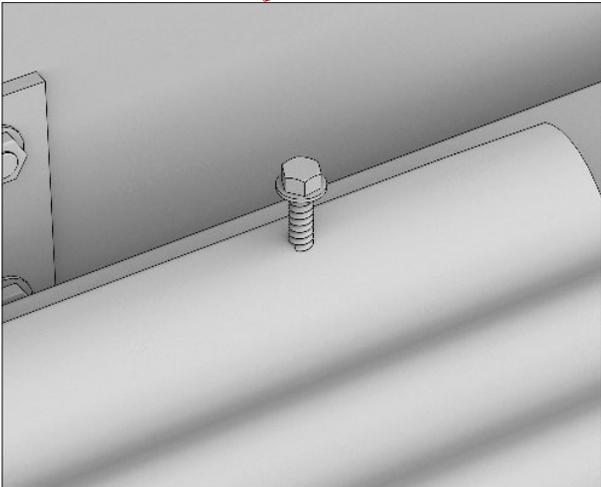
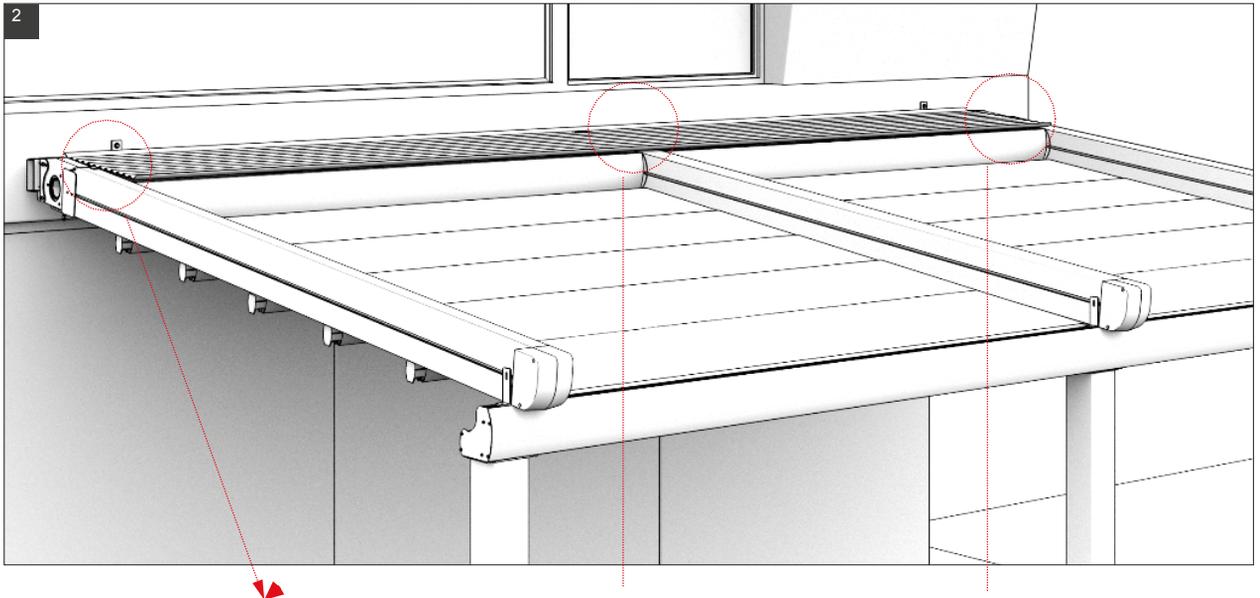
PICK THE FABRIC MATERIAL AT THE BACK AND FASTEN THE REAR PART.



PLACE THE TRAPEZE PROFILE TO THE DESIGNATED POINT BETWEEN THE CARRIER RAILS AND FASTEN.

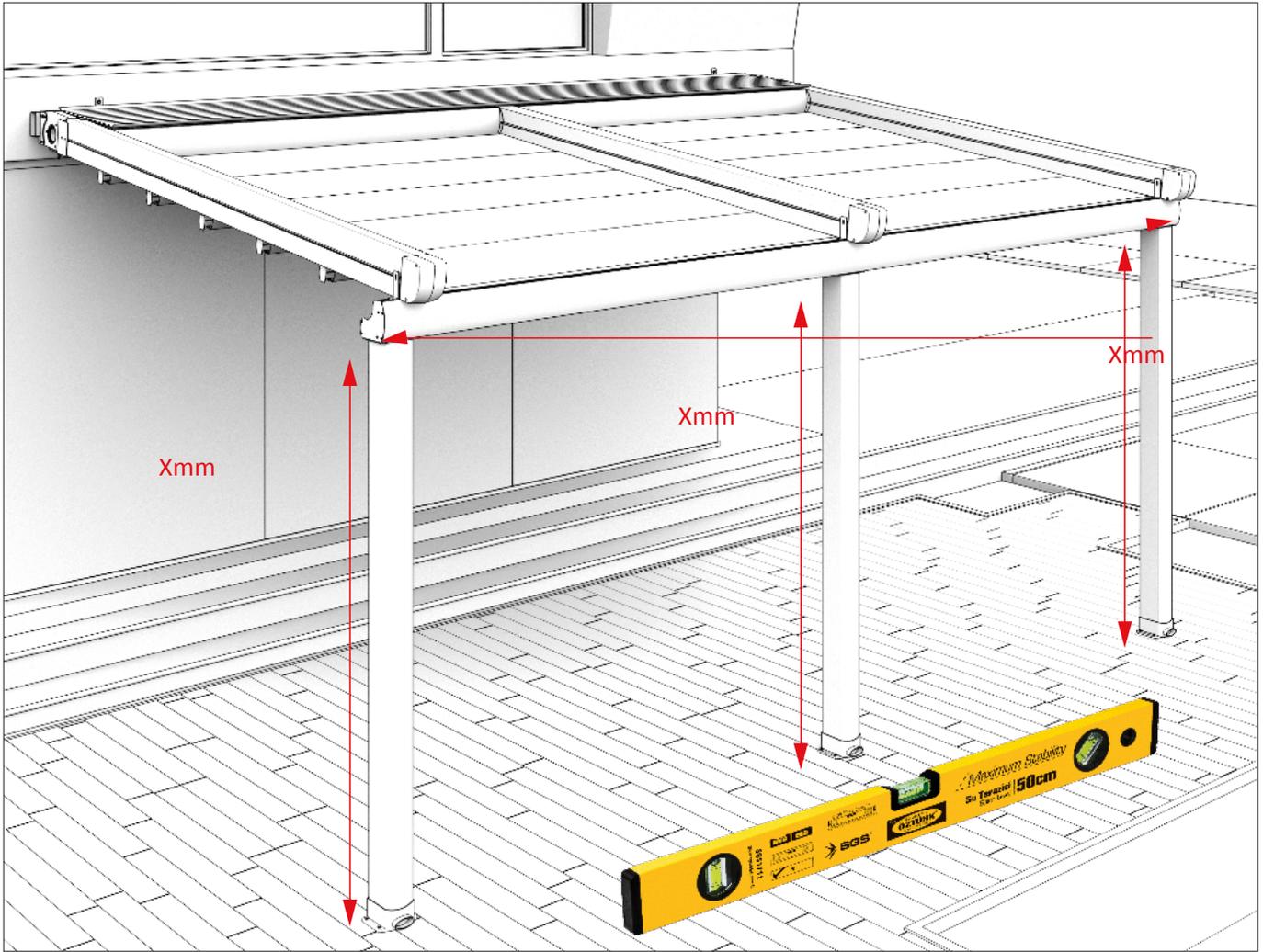


PLACE THE PROTECTIVE SHEET OF FABRIC MATERIAL TO THE DESIGNATED POINT.

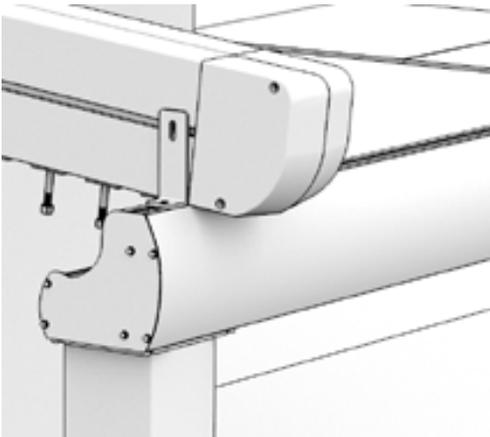


SCREWS ARE INSERTED AND TIGHTENED PROPERLY. REAR PART OF THE SYSTEM IS INSULATED.

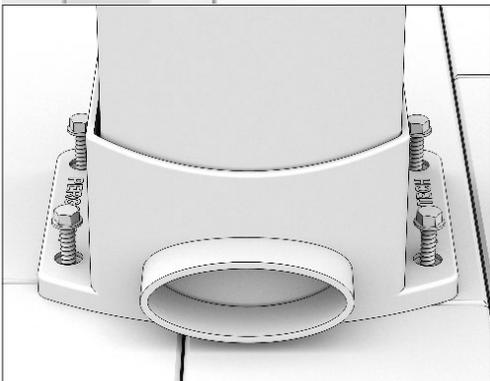
** IF NECESSARY, INSULATING TAPE SHOULD BE INSERTED BETWEEN THE WALL AND SYSTEM.



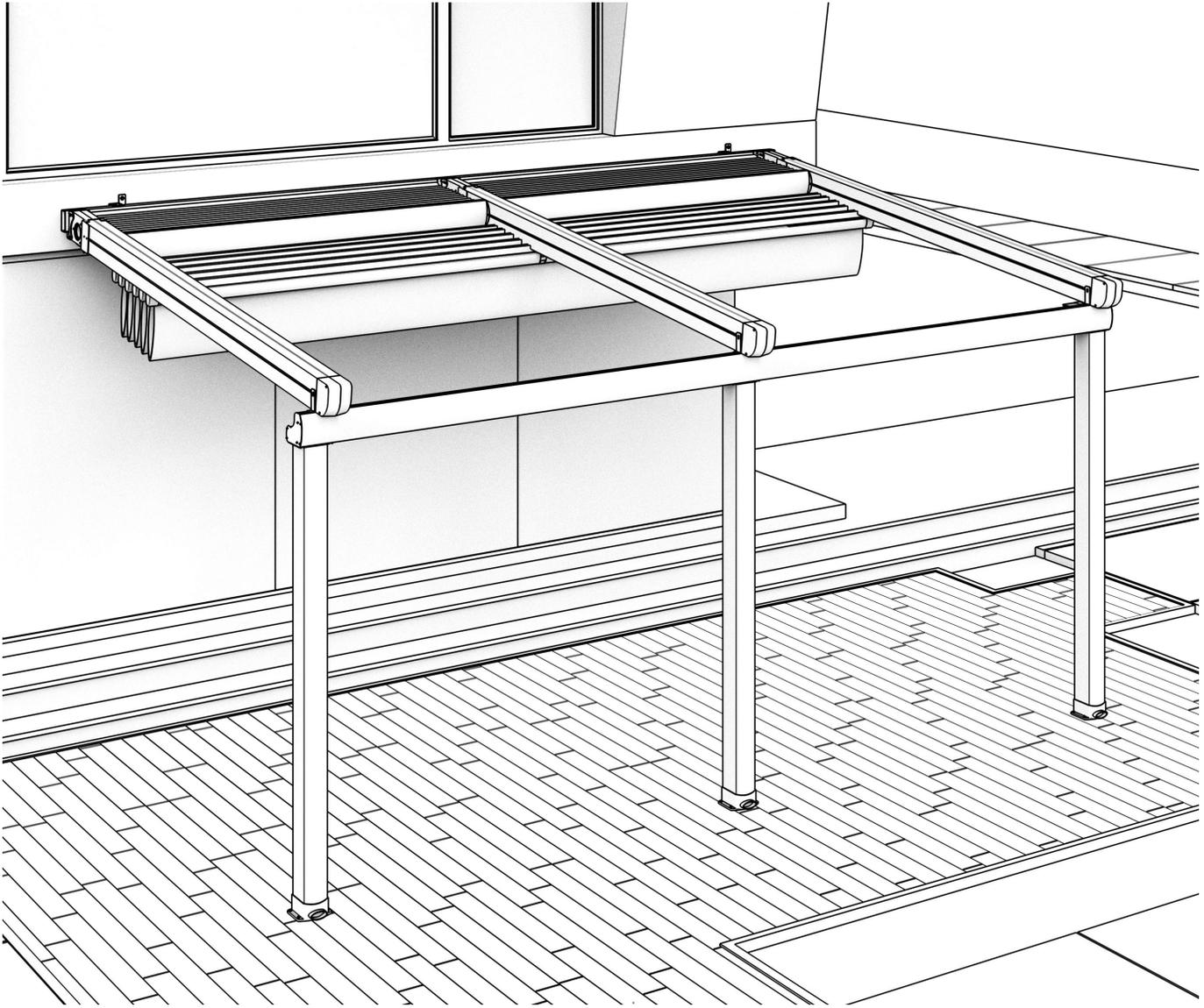
SYSTEM IS CHECKED WITH SPIRIT LEVEL AND THEN FIXED.



WATER OUTLET IS BUILT ON THE GUTTER.
(THROUGH THE PILLAR).



FRONT PILLAR PROFILES ARE SCREWED ON THE FLOOR.
THEY ARE FASTENED PROPERLY.



REMOTE CONTROL IS CONNECTED TO THE SYSTEM.



****SOMFY RTS AND IO INSTALLATION INSTRUCTIONS ARE SIMILAR.**



REMOTE CONTROL, TRANSFORMER, DIMMER INSTALLATION

1 -CONNECTION OF SOMFY ALTUS RTS AND IO

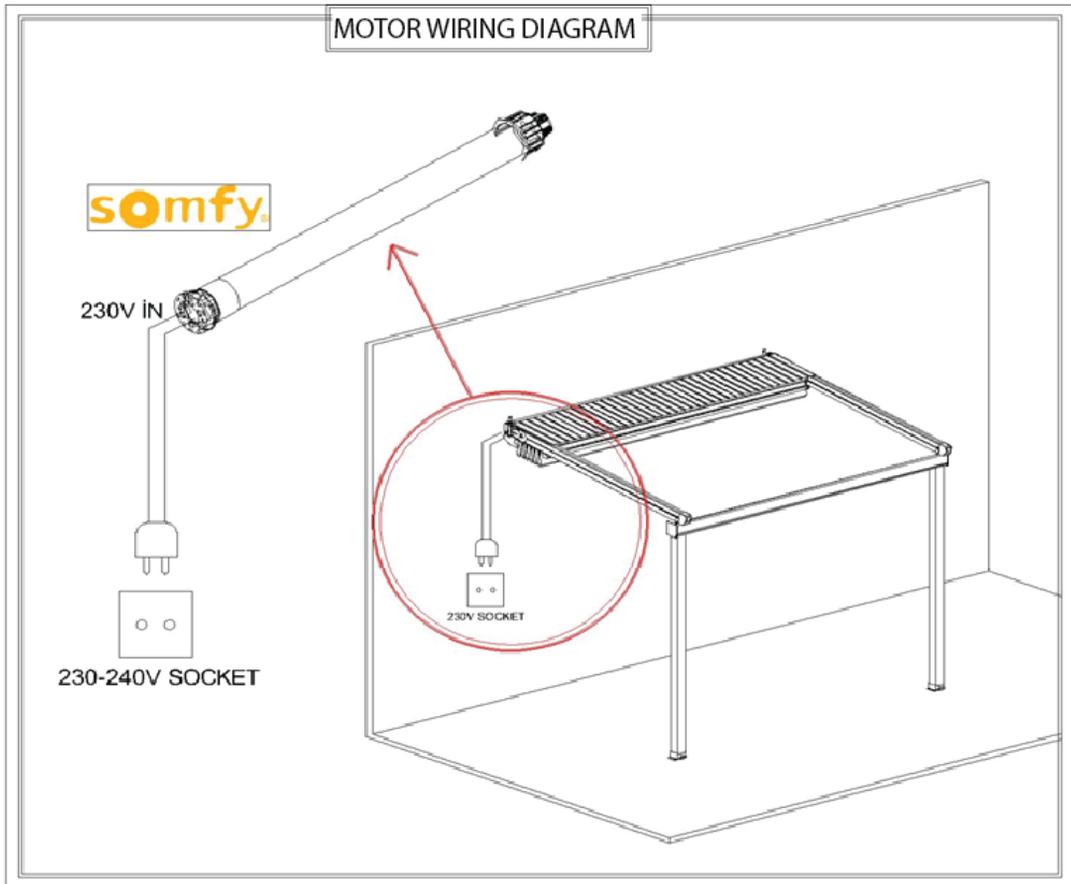


Figure 1

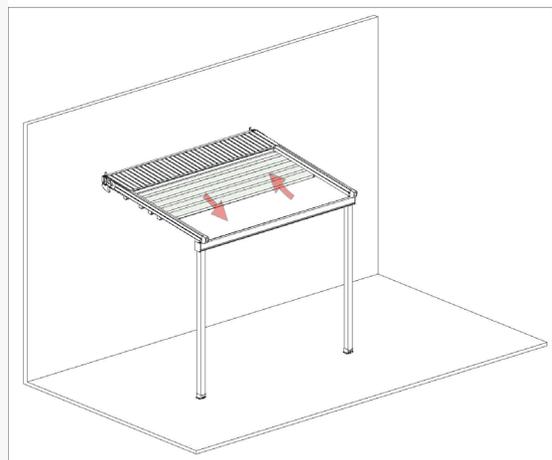


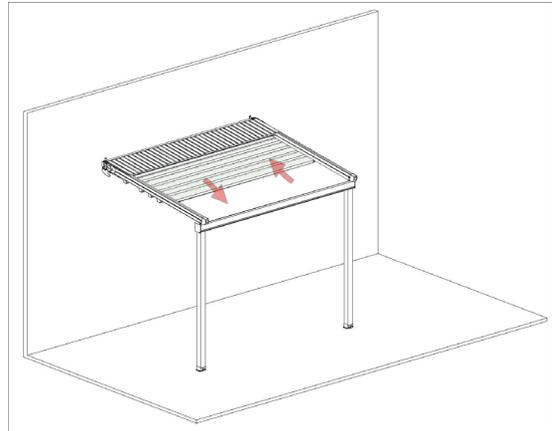
Figure 2

As shown in Figure 1, push the up and down buttons to connect the remote control to the system..

As shown in Figure 2, the awning is retracted and extended. This means that motor detects the remote control.



Figure 3



The product is subjected to direction control. If there is a direction fault, push my button as shown in Figure 3. Awning moves up and down when motor changes the direction and the direction is changed.

2 – LIMIT SETTING

SETTING OF UPPER LIMIT



Figure 4

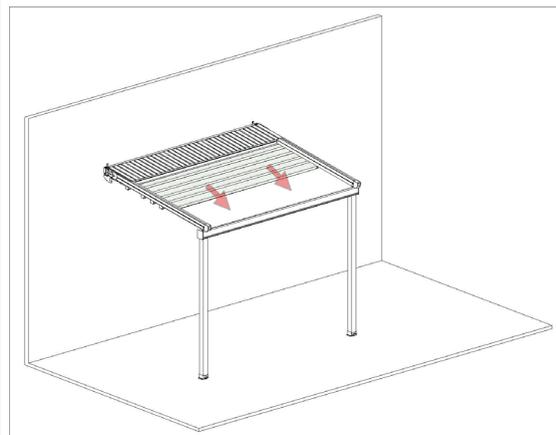


Figure 5

The awning is moved to the upper limit which it is intended to stop. Press up and my button simultaneously as shown in Figure 4. Release the buttons when motor starts to move as shown in Figure 5.



Figure 6

As shown in Figure 6, the fabric material will automatically stop at the end point (The bar enters into gutter and stops at the very end point.)



SETTING OF LOWER LIMIT



Figure 7

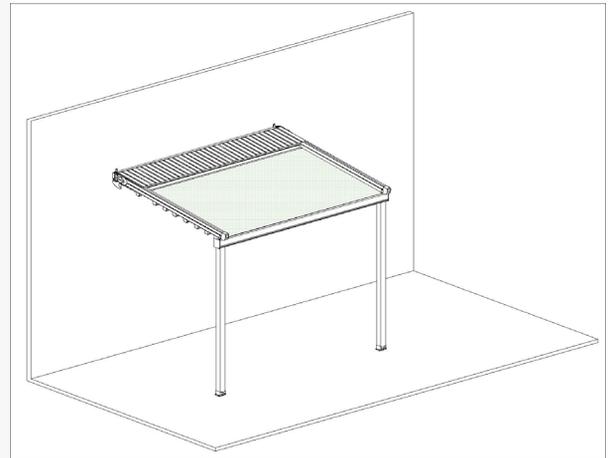


Figure 8

The awning is directed to the lower limit point where it is intended to stop. As shown in Figure 8, the fabric stops at the end point. As shown in Figure 7, press alt and my buttons on the remote control once simultaneously and lower limit is set when it is directed at the reverse direction.



Figure 9

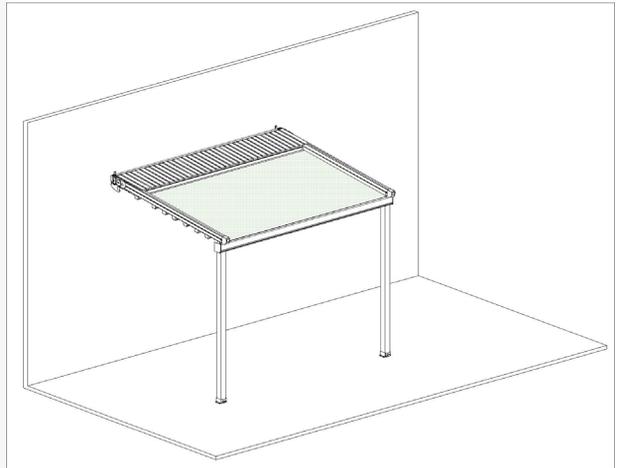


Figure 10

Press my button once as shown in Figure 9 so as to save the determined upper and lower motor limits in the memory and awning is stopped; then press my button again and hold it down until it moves upward-downward as shown in Figure 10.



Press on the programming button on the RTS control.

Figure 11

Press program button once and release it as shown in Figure 11. Motor moves upward and downward and limit setting process is completed.

NOTE: In order to set middle position, it is directed to intended middle position and keep my button pressed. So, when my button is pressed at the retracted or extended position, the awning is retracted/extended to pre-determined middle position.

CHANGE OF LIMIT SETTINGS



Figure 12

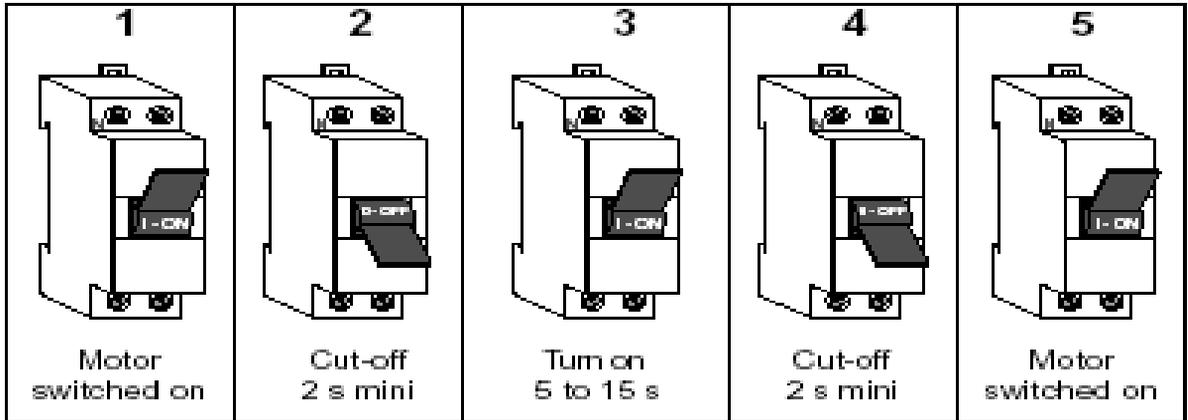
The product is set to upper or lower limit. As shown in Figure 12, keep the up and down buttons simultaneously pressed for 5 seconds.



Figure 13

After the limit is changed, keep MY button (figure 13) pressed. When feedback is indicated, the process is completed.

RESETTING



As shown on the upper figure, the product is deenergized for 2 seconds while being energized. It is energized for 9 seconds and deenergized for 2 seconds and then it is reenergized. After that, the motor performs retraction or extension action. It shows that product memory is ready to save.



Hold down program button behind the remote control for 7 seconds until the motor moves upward-downward for two times. The motor moves upward and downward and repeats this action after 3 seconds and then memory is cleared. By doing so, motor memory is reset to factory setting.

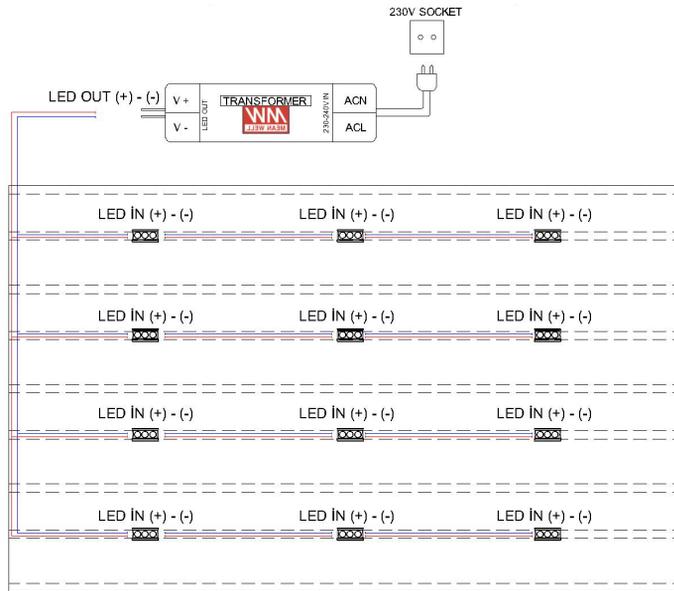
Connection of Other SOMFY Remote Control to the System

As shown in the figure above, hold down the program button behind the remote control until the motor moves upward and downward. Press the program button behind the new remote control once and then motor starts to move upwards.

So, previous limit values have been copied to new one.

In order to copy a channel, select the desired channel and repeat the same process.

INSTALLATION DIAGRAM OF TRANSFORMER AND WARNINGS



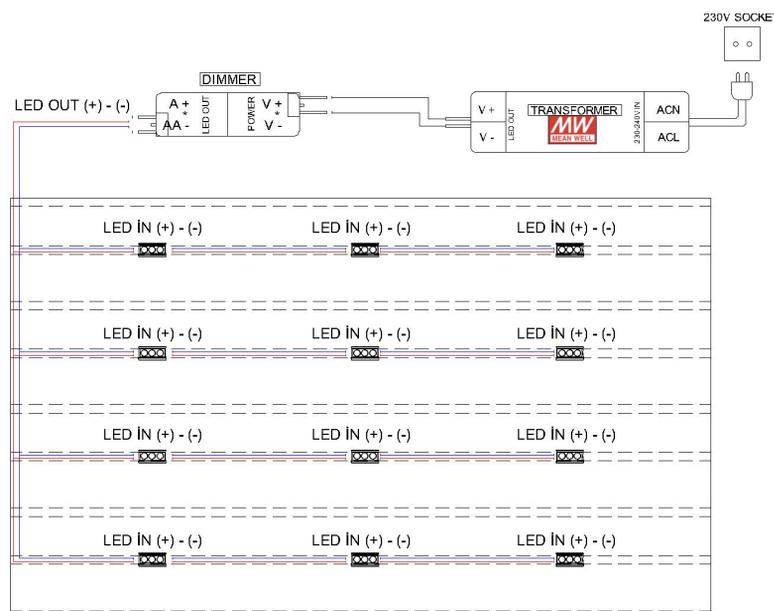
NOTE: Cable colors of the diagram above may be incompatible with some devices. Pay attention to the parameters (+, -, ACL, ACN, IN, OUT).

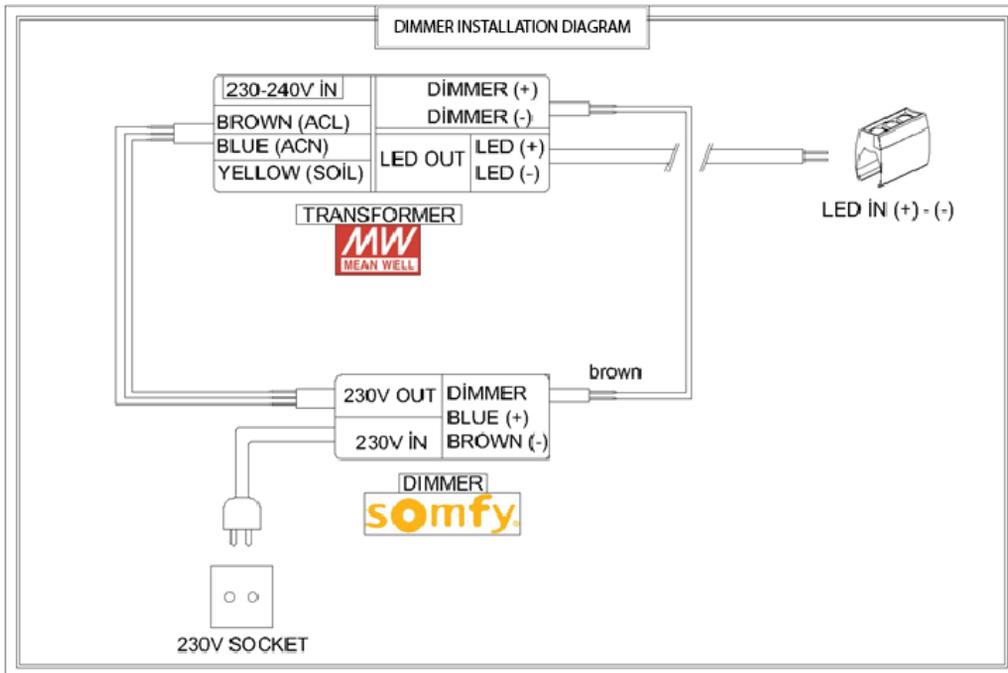
EXPLANATION

As shown in the diagram, transformer of fabric material and led connections operate with the parallel connection of "+" and "-" terminals from the transformer on the led assembly.

NOTE: 220 – 230V is transformed into 12 – 24v by means of transformer and it illuminates (+) and (-) sockets on the led. (+) outputs of transformer should enter into (+) inputs of led and so (-) terminals pair with (-) terminals which means a direct connection. If wires are connected correctly, leds are illuminated when transformer is energized.

Above diagram shows the logic of connection; there is a straight connection between transformer and led. In order to turn on/off with remote control, it should be connected with *IO dimmer*, *RTS dimmer*, *Pergotech* dimmers and remote control function should be activated. (DIMMER SHOULD BE INSERTED BETWEEN TRANSFORMER AND LED AS SHOWN IN THE BELOW DIAGRAM)





NOTE: Cable colors of the diagram above may be incompatible with some devices. Pay attention to the parameters (+, -, ACL, ACN, IN, OUT).

This manual only describes connection with local remote control of Somfy io and Situo type. Observe the relevant instructions to connect with a different io remote control.



INSTALLATION

Connection of IO remote control to dimmer

- Energize the electric wiring
- Press up and down buttons on the remote control simultaneously and then follow the (A) or (B) procedure depending on the reaction of light.

A) – the light turns on but then it turns off

Press the prog button behind the remote control for a short time with a pointed object. If remote control has been connected to the dimmer, the light blinks.

B) – the light has not turned on.

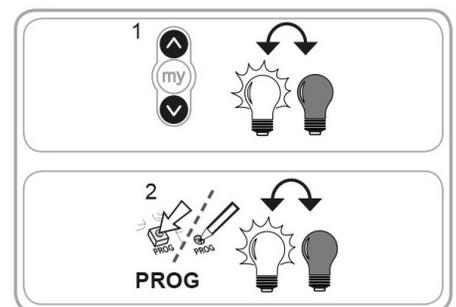
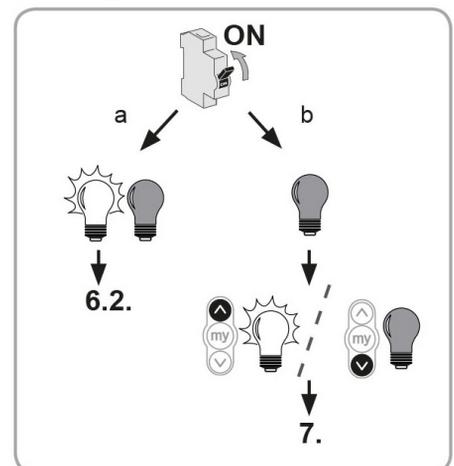
Press clear button.

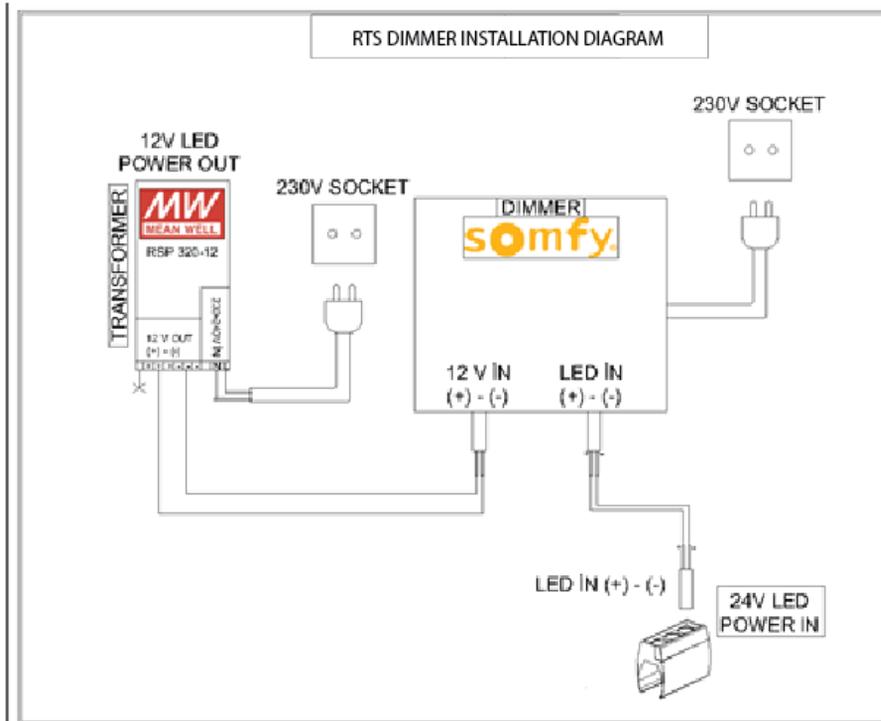
C)- if the light has turned on.

It means that remote control has been saved/connected to dimmer.

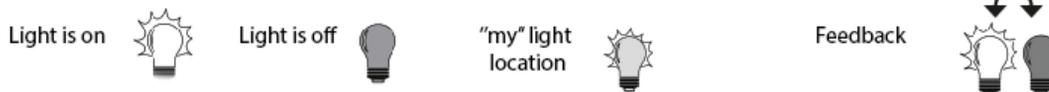
D)-if the light has not turned on.

- Check the connections of Light / Led / Transformer / Dimmer. and try again. (DIMMER INSTALLATION DIAGRAM)





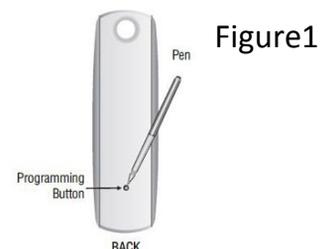
NOTE: Cable colors of the diagram above may be incompatible with some devices. Pay attention to the parameters (+, -, ACL, ACN, IN, OUT).

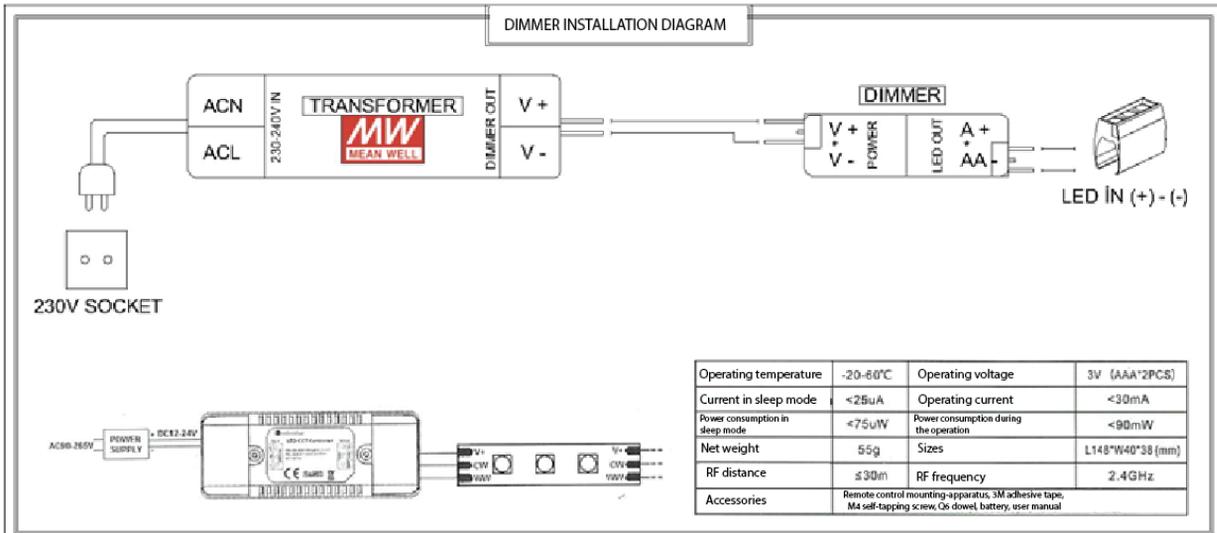


INSTALLATION

Connection of RTS remote control to dimmer

1. Remove the white cover on Somfy module box.
2. Connect the led assembly
3. Connect the wires to the transformer considering the voltage of the leds (12 - 24v DC).
4. Apply 220v AC on the dimmer box.
5. Press «prog.» button on Somfy module for 3 seconds and be sure that red light is illuminated on the module.
6. Put/press a screwdriver in the hole behind the Somfy rts remote control and then release (figure 1)
7. Red light on the module starts flashing.
8. When flashing of LED stops, it means that programming is completed.
9. Press «my» button on Somfy remote control to turn off the leds (figure 2)
- LEDs will turn off when pressed again. Up and down buttons can be used for setting up dimmer (figure 3)





NOTE: Cable colors of the diagram above may be incompatible with some devices. Pay attention to the parameters (+, -, ACL, ACN, IN, OUT).

INSTALLATION

Zone : Channel selection button functions to switch between the channels when pressed shortly. When pressed less than 3 seconds, zone selection button selects all channels and 4 indicator light turns on simultaneously and it enables general control of all channels.

3. Zone Setting

Channels of the multi-channel remote control should be set before using. It means that each driver should be matched with corresponding channel group.

Zone Matching System

1st Step: Connect dimmer and LEDs according to template.

2nd Step: Select channel (Press channel selection button and it is required that light of the channel which is intended to be matched should be illuminated continuously.)

3rd Step: When driver is opened while pressing on mode button, the connected LEDs are illuminated with 50% brightness.

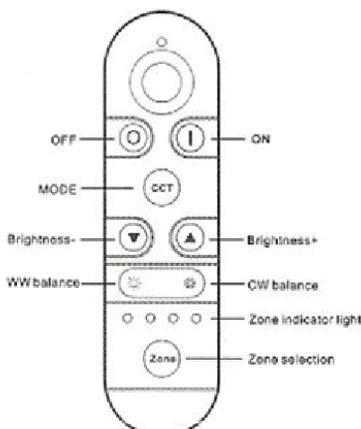
It means that connection/clearing code have been successfully entered.

(NOTE: 3rd step should be followed 8 seconds after 2nd step. Channel indicator lights will be kept off-mode for 8 seconds without any operation.

4th Step: Following 3rd step, when pressed on *Open* button for 3 times in 5 seconds, brightness of LEDs can be adjusted between the ranges of 25% and 10%. It means that it has been successfully saved. (In case of any failure, repeat all actions from the 1st step to 4th one.)

(NOTE: Following the power-on again, the driver should be ready for receiving codes within 10 seconds)

Summary: Open the dimmer to be installed by pressing the *MODE* button of the remote control. Press and release *PLAY* button of the remote control for 3 times. By doing so, the dimmer is saved on any channel of the remote control which is open.



Name of key	Description
ON	Open always.
OFF	Close always.
Mode	3 static modes: warm white, cool white, natural white
Brightness +	It increases the brightness one-stage for each press. When pressed long enough, it is possible to make quick adjustment.
Brightness-	It decreases the brightness one-stage for each press. When pressed long enough, it is possible to make quick adjustment.
CW balance key	It balances to cool white. When pressed long enough, it is possible to make quick adjustment.
WW balance key	It balances to warm white. When pressed long enough, it is possible to make quick adjustment.
Zone selection key	Control zone selection (it supports single zone control or general control, indicator light of the zone is illuminated)

FREQUENTLY ASKED QUESTIONS

1) How I should use the system during the time when snow load is heavy on the roof?

- The accumulated snow should be removed and system should not be operated. Otherwise, it may cause motor breakdown.

2) There is too much noise on motor/rails, what should I do?

- Check the adjusting screws of the belt located on the front head, if they are tightened more than enough, loose them appropriately.

3) Remote control does not work, what should I do?

- Check the batteries.
- Keep the remote control away from the humid environments.

4) What can be the reason for breakdown?

- Check the electric wires and fuses.
- Check the remote control.
- Check the socket of motor cable.
- If motor is overloaded, it may have blown the thermic assembly; wait for half hour until it cools down.

5) The lighting assembly does not operate, what can be the reason for it and what should I do?

- Transformer and dimmer connections should be checked.
- In case of cross-connection, transformer and dimmer outputs may have blown.
- LEDs operate with 12/24 volt (it should not be energized without transformer), LEDs may blow if more energy is provided.

6) The fabric material is longer than enough, what should I do?

- It can be drawn back one-turn through an optional perforated apparatus located at rear part of rail.
(depending on the length of material, it can be drawn back for more than one turn.)

7) How do I connect the motor tube?

- Collect all wheels on the rail at the front or rear side, connect the tube either from left or right side when the number of wheels at the front and rear side are equal.

8) How do I mount the trapeze?

- Depending on the size of roof sheet, fasten the trapeze holder, measure the space between two rails, cut the trapeze according to size, insert into the holders and fasten it.

9) How are the gutter and outlet insulated?

- Insulating works should be performed on non-rainy days.
- Gutter coverings should be insulated from the inner side of gutter.
- Gutter portion located on the hole opened with a punch should be insulated for water discharge outlet.

10) How is the roof sheet insulated?

- After being mounted; insulating tape, silicone and foam are used for wall insulation.
- It can be insulated by using silicone for glass insulation.
- It can be insulated by using silicone for the insulation of composite material.

11) The fabric has stretched during hot season, what should I do?

It can be drawn back one-turn through an optional perforated apparatus located at rear part of rail.

(depending on the length of material, it can be drawn back for more than one turn.)

