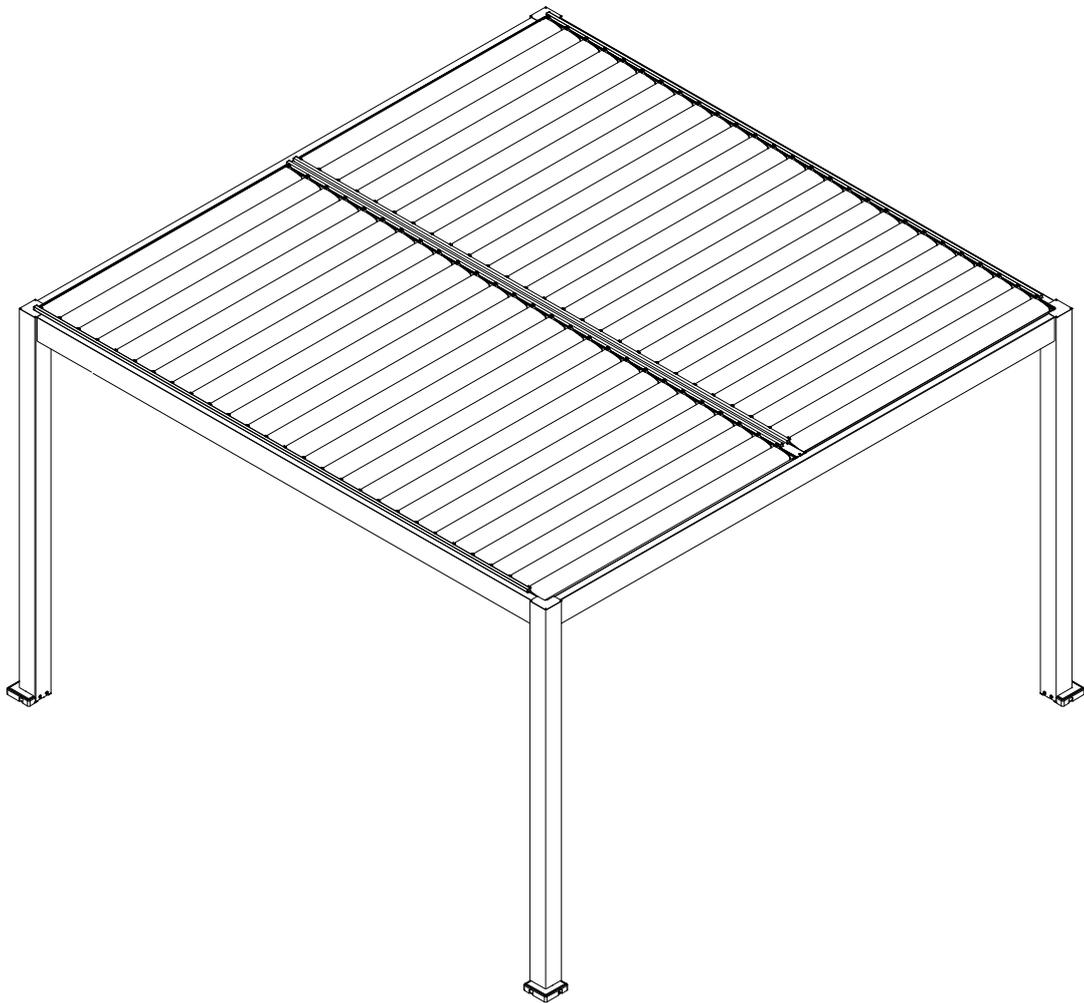# LYRA T6 ALUMINIUM PERGOLA (4X4) INSTALLATION INSTRUCTION

<1/22>

Installation Statements

Before you start to install product ,please read below notes:

1.This is a general version manual .Please make sure that you review original design when place an order and read this manual several times before start to assemble the pergola .These installation steps can be referred to in this manual ,However ,other specific details such as motor position ,drainage direction etc. should be accord to the drawing of the order you placed

2.Please check the components list and confirm all items on the list ! Do not throw away any package until the pergola is installed successfully

3.Minimum 3 people are required during the installation

4.It needs 2 people to lift the product parts from the package ,please put the product very gentle ,it is better to cover a carpet or hard paper box on the floor to protect it from scratching

5.You should remove the film coated on the aluminum profiles entirely during the installation because it is difficult to remove them after explosion under hot temperature.

6.Please do not DIY our product and take use of the other alternative accessories when you change the original design ,that will void your warranty

7.We hold no responsibility for any damage caused due to human factor ,especially incorrect assembly

8.During the installation process, if you encounter any uncertainties, please refer to the installation instructions on the product page of the website.

<2/22>

Please refer to the2D view drawing of the product before installing it,
and then follow the installation steps in this installation manual

Components
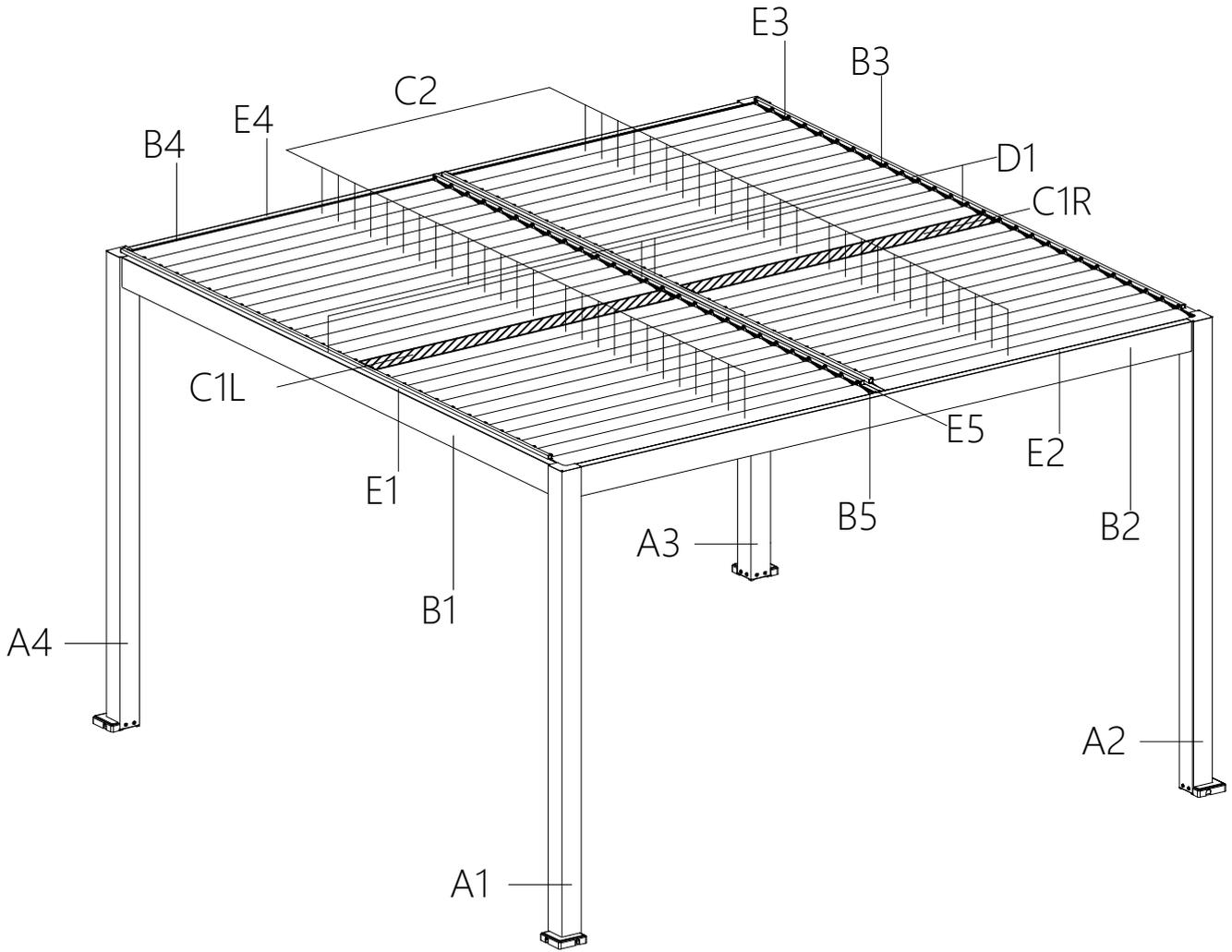
code	name	section	photo
A1	post		
A2	post		
A3	post		
A4	post		
B1	beam& gutter		
B2	beam& gutter		
B3	beam& gutter		
B4	beam& gutter		
B5	beam& gutter		

code	name	section	photo
C1L	driven louver(L)		
C1R	driven louver (R)		
C2	louver		
D1	connection bar		
E1	beam flashing		
E2	beam flashing		
E3	beam flashing		
E4	beam flashing		
E5	beam flashing		

<3/22>

Hardware

code	name	photo	remarks
1-3	base plate		
2-6	base plate cover		
3-3	post top cover		
4-11	bpgtclĀjmstcpĀa_nĀ&P鹉		
4-12	bpgtclĀjmstcpĀa_nĀ&J鹉		
5-1	louver pivot cap		
6-1	gutter corner insert bar		
6-2	gutter decotation casing鹦J鹉		
6-3	esrrcpĀbcamp_rgmlĀa_qgle鹦P鹉		
7-3	economical transformer single motor double led light (control system)		packed in the post
8-4	remote control		
15-1	hex wrench(5mm)		
15-2	short hex wrench　(5mm)		
16-1	M10*100 S/S expansion bolt		
17-1	S/S hex bolt　(M8*14)		
17-3	S/S hex bolt　(M8*20)		
19-1	M8wahser		
21-1	4*14 S/S cross head drilling screw		
22-1	S/S drilling screw　　4.2*16		
24-1	4.2*16 S/S self tapping screw		
24-2	S/S self tapping screw　(4*20)		
27-1	φ8*M6*5 thumb screw		

Note: Silicone sealant and installation tools are not included. Please purchase them locally.

<4/22>

What you need
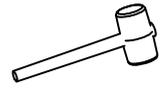
drill

screwdriver bit

gkn_arĀbpgjj■
∮12mm bit*1

iron hammer

marker

rubber harmer
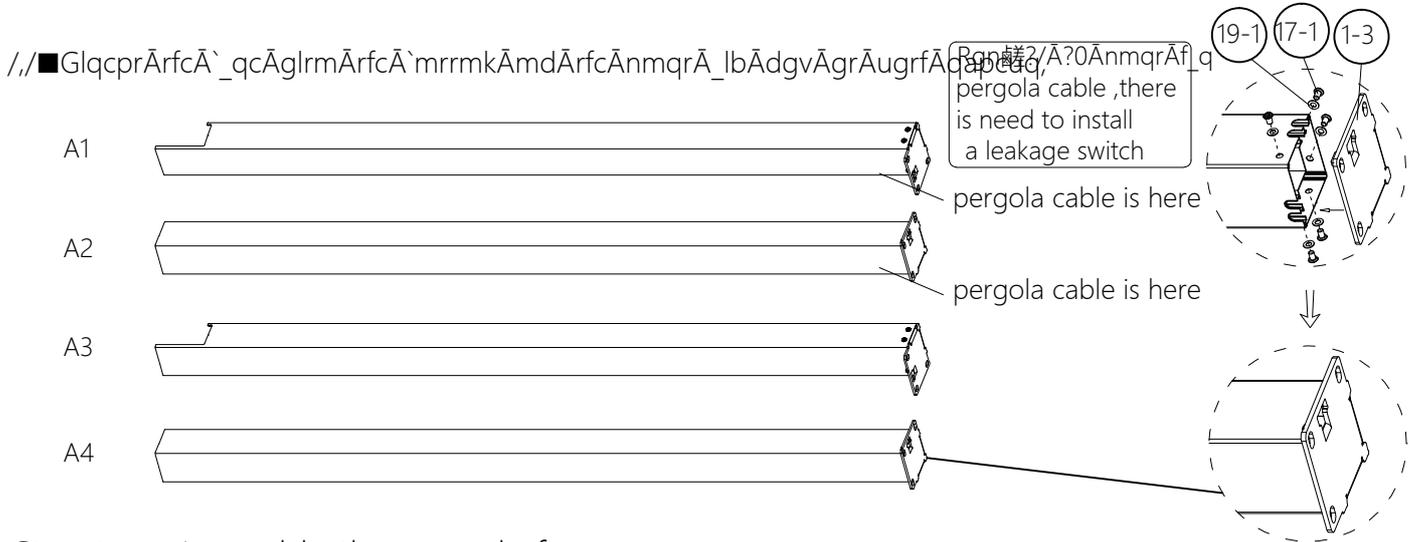
tape measure

gradienter

17mm wrench

helmet

ladder*3

INSTALLATION

Step one: Assemble the post and base plate(A1 A2 are the pergola cable positon)
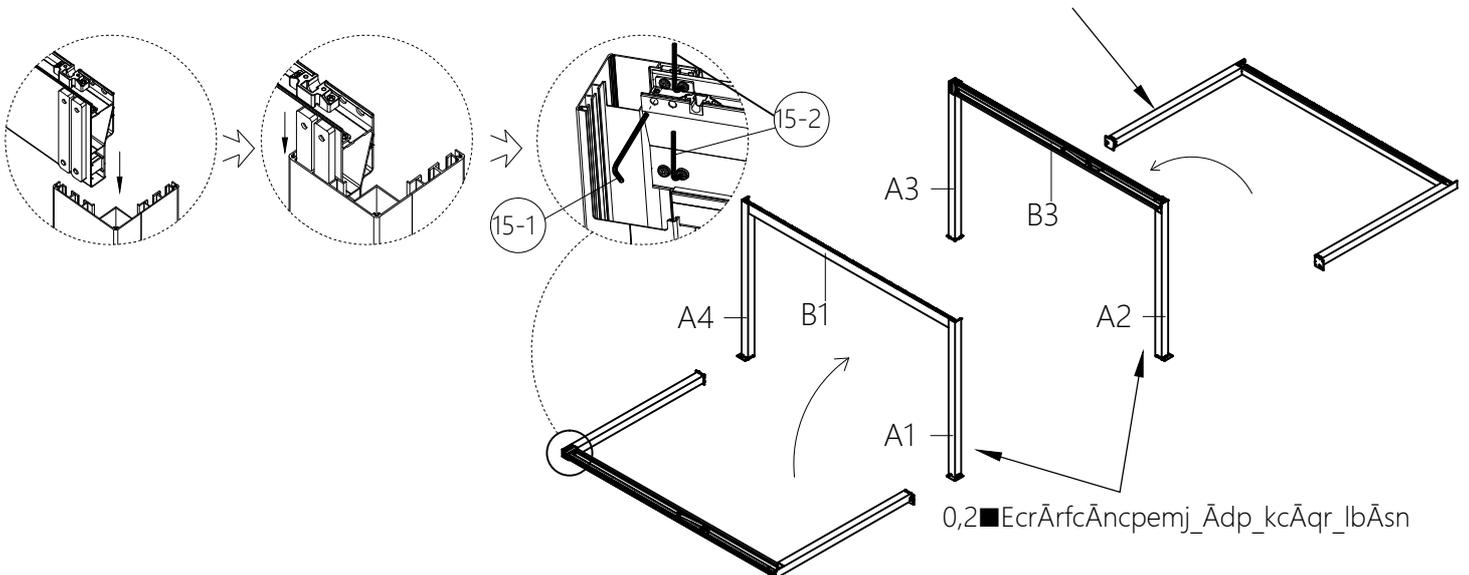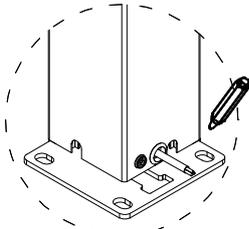
/,/■GlqcprĀrfcĀ`_qcĀglrmĀrfcĀ`mrrmkĀmdĀrfcĀnmqrĀ_lbĀdgvĀgrĀugrfĀqapcuq/

A1

Rgn鏊2/Ā?0ĀnmqrĀf_q pergola cable ,there is need to install a leakage switch

pergola cable is here

A2

pergola cable is here

A3

A4

19-1 17-1 1-3

Step two: Assemble the pergola frame

0,/■ Insert the beam&gutter B1 B3 into the groove of post

0,0■D_qrclĀrfcĀ`mjrĀdpmk inner side of gutter
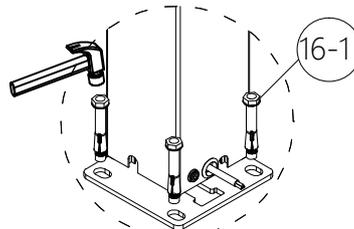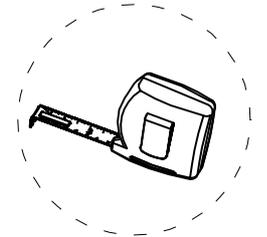
0,1■?qqck`jcĀrfcĀpck_glgle pergoa frame

15-2

15-1

A3

B3

A4 B1

A2

A1

0,2■EcrĀrfcĀncpemj_Ādp_kcĀqr_lbĀsn

<5/22>

0,3■Glqr_jjĀrfcĀĀ`c_kĀ@0Ā_lbĀ@2

B4

B2

spread silicone sealant on the connection

0,4■Glqr_jjĀrfcĀbgtgbcbĀ`c_kĀ@3

Install Beam B5 in accordance with the end side marked as 'A', ensuring it corresponds to the label 'A' indicated on the beam and gutter.

17-3

19-1

B4

B5

B2

Spead silicone sealant on the connection B2 B4

⚠ĀⱯĀĀĀRgn鋢
Wipe the silicone sealant off with a soft cloth

0,5■amllcarĀrfcĀjcbĀjgefrĀqrpgn,
(ignore this step if the pergola exclude LED light)

A-A

0,5,/■amllcarĀĀjcbĀjgefrĀa_`jc

0,6■Glqr_jjĀrfcĀesrrcpĀbcamp_rgmlĀa_qgl

6-2

6-3

A-A

A-A

QrcnĀrfpcc鋢?bhsqrĀrfcĀncpemj_Ānmqgrgml

⚠ĀⱯĀĀĀĀĀLmrc鋢
1.Ensure the post at correct position, and stand 90 angle with floor.
2.Before you fasten the screws, you should double check the pergola's position.

90°
90°
90°
90°
90°
90°
90°

1,/■ĀBms`jcĀafcaiĀrfcĀncpemj_ĀnmqgrgmlĀ`ca_sqc
the frame may move during installation

<6/22>

1,0■ĀK_piĀrfcĀbpgjjĀfmjcq
on the concrete floor
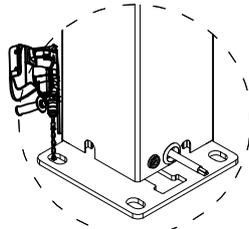
1,1■bpgjjĀ12

1,2■qrsddĀrfcĀcvn_lqgml
bolt into holes

1,3■Check the pergola
position again

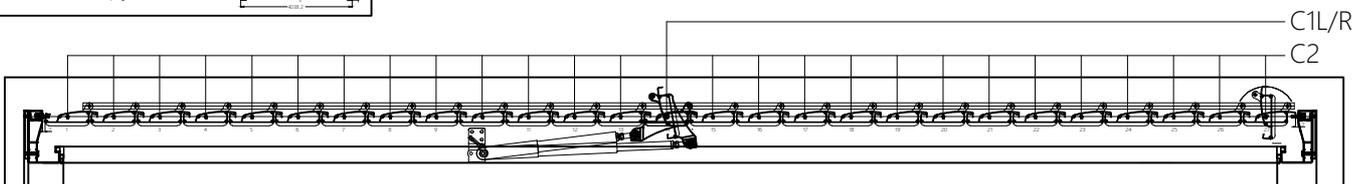1,4■d_qrclĀrfcĀ`mjr

1,5■amknjcrc
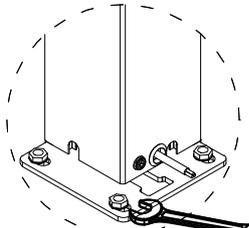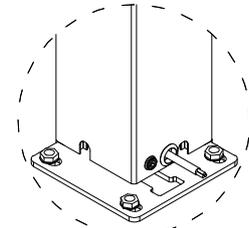
QrcnĀdmsp豁glqr_jjĀĀrfcĀjmstcpq

2,/■ĀR_icĀmsrĀrfcĀbpgtclĀjmstcpĀdpmkĀrfcĀn_ai_ec

C1L

left

C1R

right
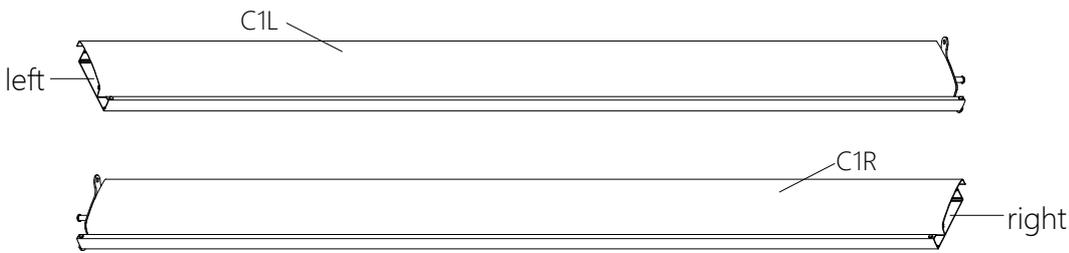
2,0■qapcuĀrfcĀbpgtclĀjmstcpĀa_nĀmlĀrfcĀbpgtclĀjmstcp

4-12

24-2

C1L

4-11

24-2

C1R
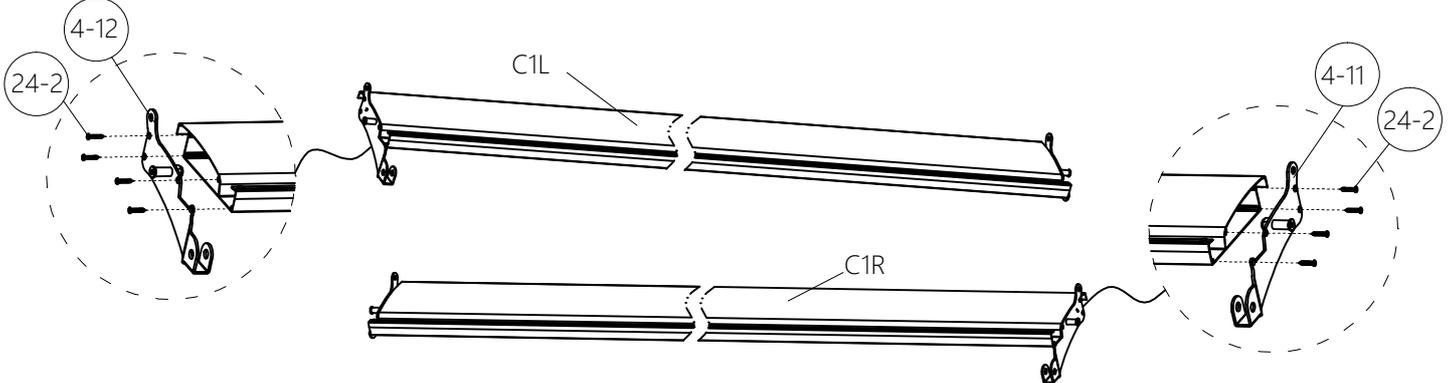
2,1■AfcaiĀrfcĀbp_ugleĀ_lbĀamldgpkĀrfcĀbpgtclĀjmstcpĀnmqgrgml

C1L/R

C2

<7/22>
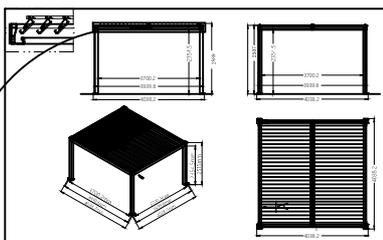
2,2■WmsÃamsjbÃpcamelgqcÃrfcÃbpgtclÃjmstcpÃA/Ã`qcÃmlÃrfcÃglqr_jj_rgmlÃesgbc 2,3■DglgqfÃrfcÃdgpqrÃ`_wÃjmstcpq

C2
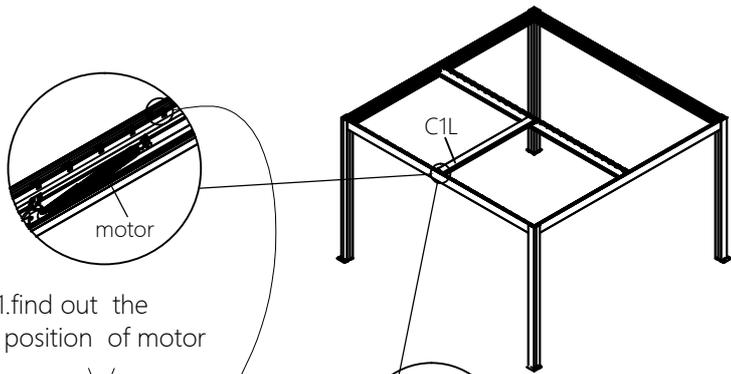
1.find out the
position of motor

C1L

motor

"C1L"label

C1L

"C1L"label
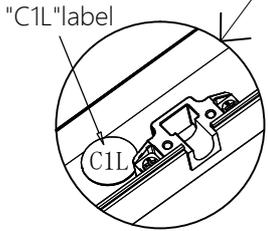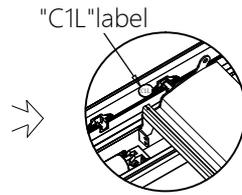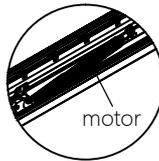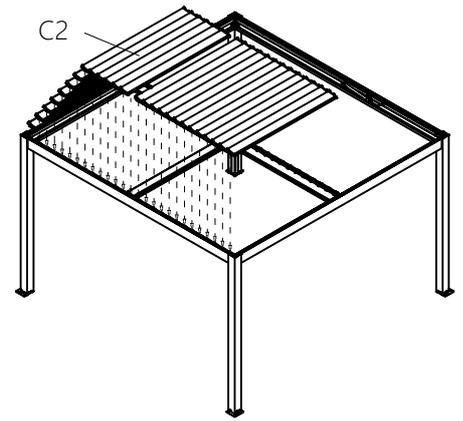
motor

2.There is a label "C1L"
on the beam and the
label is beside the
louver pivot holder
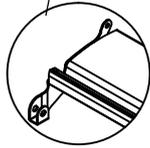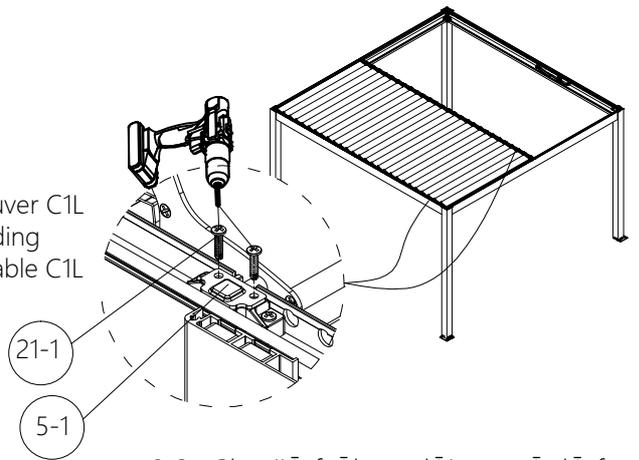
3.the driven louver cap
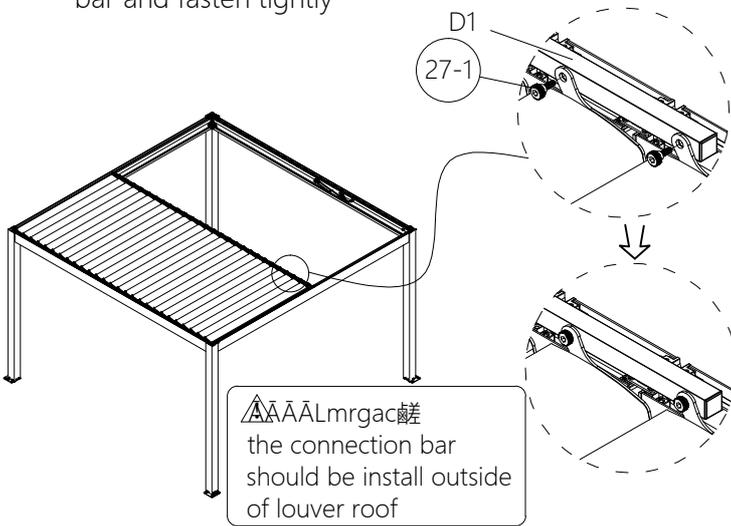(pre-screwd in step 4.1)
is connected with
the pergola motor

4.Put the driven louver C1L
into the corresponding
nylon holder with lable C1L

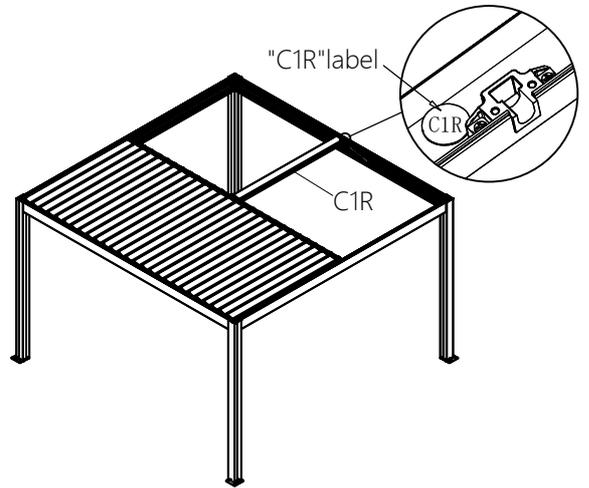2,4■QapcuÃrfcÃjmstcpÃngtmrÃa_nq
after finsh the first bay louvers

21-1

5-1

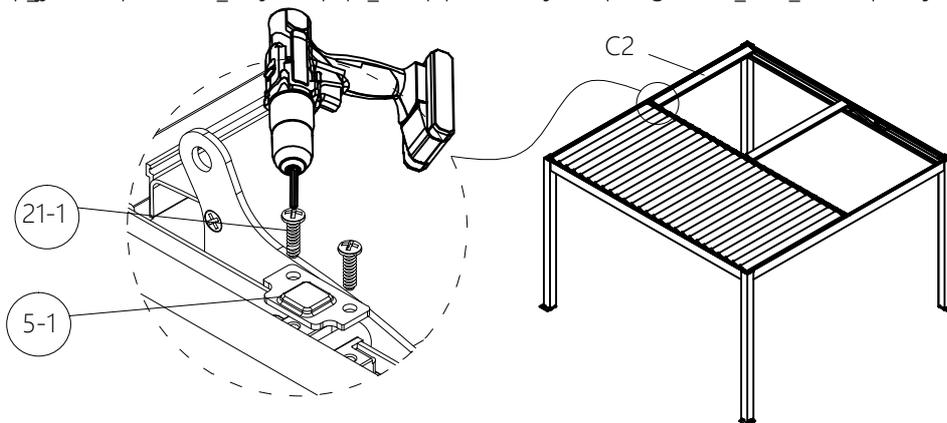2,5■Glqr_jjÃrfcÃdgpqrÃ`_wÃamllcargml
bar and fasten tightly

D1

27-1

⚠ÃÃÃLmrgac醒
the connection bar
should be install outside
of louver roof

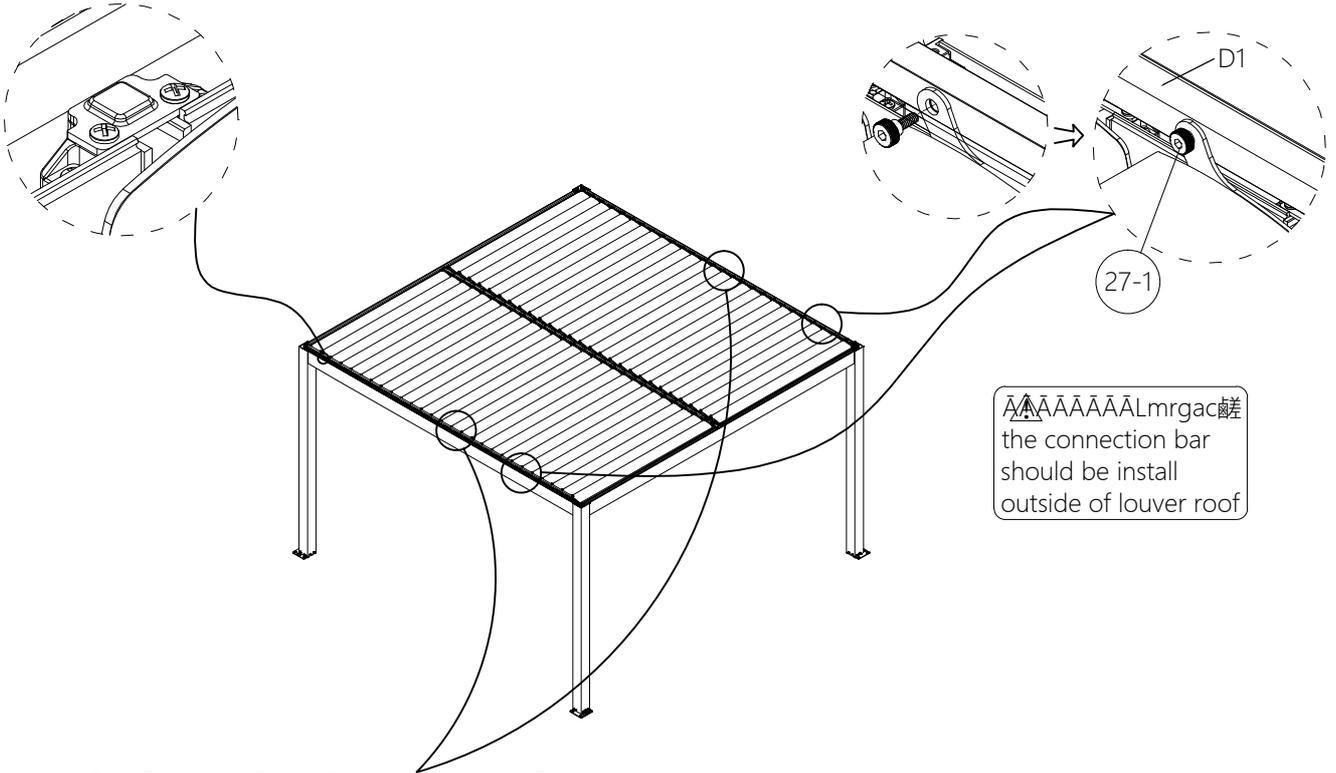2,6■Glqr_jjÃrfcÃbpgtclÃjmstcpÃglÃrfc
second bays as previous step .

"C1R"label

C1R

C1R

2,7■Glqr_jjÃrfcÃqcamlbÃ`_wÃjmstcpqÃ_lbÃqapcuÃrfcÃjmstcpÃngtmrÃa_nÃ_afÃÃrfpccÃjmstcpq

C2

21-1

5-1

<8/22>

2,/.■QapcuÃrfcÃjmstcpÃngtmrÃa_nÃ_drcpÃ_jj
louvers are installed without mistake

2,//■GlqrÃjjÃrfcÃmsrqgbcÃamllcargmlÃ`_pqÃ_lb
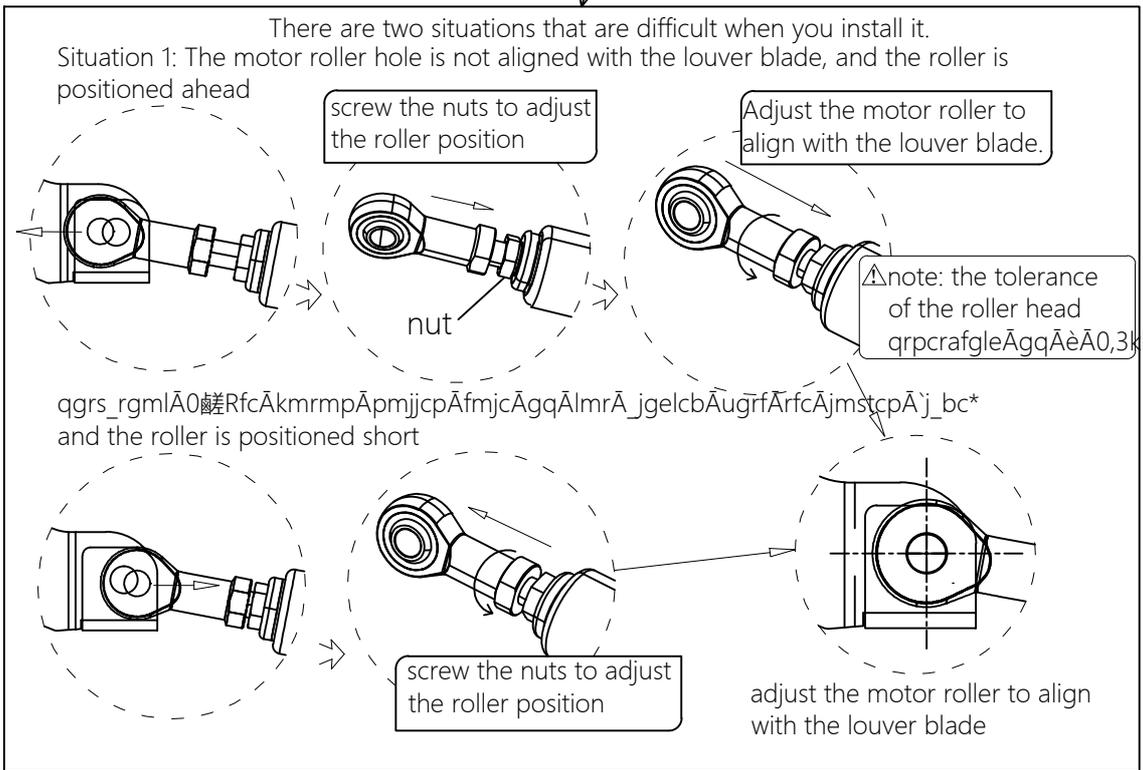fasten it in case loosen during using

D1

27-1

ÃÃÃÃÃÃÃLmrgac醛
the connection bar
should be install
outside of louver roof

2,/0■AmllcarÃrfcÃkmrmpÃugrfÃbpgtclÃjmstcpÃj_bc

roller

lock pin

motor

pin sleeve

you should notice the orientation
of pin sleeve before you insert
the lock pin

notice the orientation
of pin sleeve

2,/0+/■r_icÃ_n_prÃrfcÃnpc+_qqck`jcbÃjmaiÃgn
and sleeve in advance

4.12-2■_gelÃrfcÃkmrmpÃpmjjcpÃfmjc
with driven louver blade

2,/0+1■glqcprÃrfcÃnglÃqjcctc
first and then insert the pin into
the sleeve

There are two situations that are difficult when you install it.
Situation 1: The motor roller hole is not aligned with the louver blade, and the roller is
positioned ahead

screw the nuts to adjust
the roller position

Adjust the motor roller to
align with the louver blade.

⚠note: the tolerance
of the roller head
qrpcrafgleÃgqÃèÃ0,3kk

nut

qgrs_rgmlÃ0醛RfcÃkmrmpÃpmjjcpÃfmjcÃgqÃlmrÃ_gelcbÃugrfÃrfcÃjmstcpÃj_bc*
and the roller is positioned short

screw the nuts to adjust
the roller position

adjust the motor roller to align
with the louver blade

nut

2,/0+2■qapcuÃrfcÃlsrqÃrm
fasten the motor with driven
louver blade

<9/22>

QrcnĀdgtc醛glqr_jjĀrfcĀrp_lqdmpkcp

7-3

3,/■amllcar
the transformer
connector with
input power

3,0Ā■GlqcprĀrfc
transformer into
the post

led light cable   led light

three pins are led light cable

motor cable   motor

two pins are motor cable

3,1■amllcarĀrfcĀa_`jcqĀrmĀamppcqnmlbgleĀamllcarmpq

pmul醛dgpc鹦J鹦
jsc醛lsjj鹦L鹦
wcjjmu醛c_rf鹦C鹦

3,2■
Connect a plug with the input
voltage cable ,which need a
professional electric worker to handle

⚠Note:
/■AmllcarĀugrfĀpcosgpcbĀqrcnq
0■C_rfĀugpcĀksqr`cĀamllcarcb
1■Jc_i_gceĀqugrafĀksqrĀ`cĀamllcarcb

Step six: Remote control pair button
&Eclcp_jjwĀrfcĀd_armpwĀf_qĀn_gpcbĀ`srrml*ĀgdĀrfcpcĀgqĀlmĀn_gpĀ`srrmlĀ_aampbgleĀrmĀrfgqĀqrcnĀmncp_rgml鹦

电源输入
Power Input

Controller

百叶电机
Pergola Motor

正
(Op-)

反
(Qw-)

Pair button

Indicator light

<10/22>

NpcqqĀmlĀrfcĀĵML-MDDĶ, turn on/off cycle control

/,NpcqqĀrfcĀĵAmjmp af_lecĶĀ`pgefrlcqqĀbgkkgle and brightening cycle dimming

0,NpcqqĀrfcĀĵAmjmpĀaf_lecĶ* cool light, warm light 2 kinds of color mode cycle change.

OPEN

STOP

CLOSE

ON/OFF

Color Change

(8-4)

Front

Back

Back button

Description:
Remote control distance (without cover) <50 meters

Remote Control

6.1 Pairing�OsgaiĀn_gpĀ`srrmlĀufclĀrfcĀamlrpmjjcpĀgqĀlmrĀqc_jcbĀglqgbcĀrfcĀdglgqfcbĀnpmbsarੌ

Pair button

Indicator light

Step1险差

Press and hold the control qwqrck%qĵN_gpĀ`srrmlĶĀ_`srrĀ0 seconds,indicator light will flash slowly to prompt pairing.

Qrcn0险差

NpcqqĀ_lbĀfmjbĀrfcĀĵQrmpĀ`srrmlĶ_`sr 2 seconds until the indicator light turn off about 1 second.

4,0■QugrafgleĀbgpcargml

Note: After installing on the finished product, if the running direction is not corresponding to the remote control, please switch the direction.

Step1:
Press and hold rfcĵ@_ai `srrmlĵ_`srĀ5 seconds and then release it, the indicator light will flash to enter the setting status.

Qrcn0险差
Press and hold bmulĀrfcĀĵMNCL `srrmlĶ_`srĀ0 seconds, select the setting function, the indicator light will be off about 1 second.

Step3险差
Press and hold the ĵMnclĀ`srrmlĶ_`sr 2 seconds until the indicator light will be off about 1 second.

<11/22>

6.3 Delete the Remote Connected with Control System

Step1齤差
Press and hold the
ĵ@_aiĀ`srrmlĶĀ_`msr
7 seconds and then
release it, the
indicator light will
flash to enter the
setting
status.

Step2齤差
Press and hold
bmulĀrfcĀĵMNCL
`srrmlĶĀ_`msr
2 seconds, select the
setting function, the
indicator light will be
off about 1 second.

Step3:
Press and hold the
ĵClose buttonĶ
about 2 seconds,
the indicator light
will turn off
about 1 second.

ON/OFF COLOR

ON/OFF COLOR

6.4. Reset
Note: All logics in the system are cleared ,restore factory resetting

pair button

indicator light
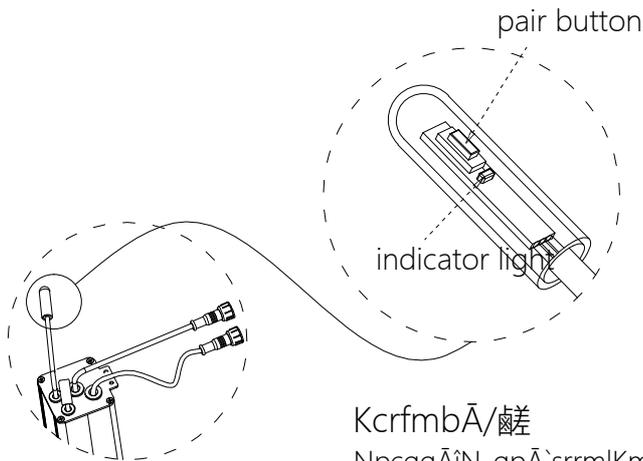
KcrfmbĀ/齤差
NpcqqĀĵN_gpĀ`srrmlĶmdĀrfcĀamlrpmjĀqwqrckĀ2ĀrgkcqĀglĀ_
row quickly,and press and hold about 3 seconds for the
fifth time,and the indicator light will be off about 3
seconds.

Method 2:
+/'NpcqqĀ_lbĀfmjbĀĵ@_aiĀ`srrmlĶĀ_`msrĀ5Āqcamlbq*&dmp
first 2 seconds,the indicator light flashes slowly to enter
pairing status, and up to 7 seconds, the indicate light
flashes quickly to enter the setting status).
+0'NpcqqĀ_lbĀfmjbĀĵQrmnĀ`srrmlĶĀ_`msrĀ0ĀqcamlbqĀrm
select the setting function, the indicator light will be off
about 1 second.
+1'NpcqqĀ_lbĀfmjbĀĵAjmqcĀ`srrmlĶ_`msrĀ0Āqcamlbq*_lb
the indicator light will be off about 3 seconds.

<12/22>

QrcnĀqctcl醈Glqr_jjĀrfcĀamllcargmlĀ`_pĀglĀrfcĀkgbbjcĀbgtgbcbĀ`c_kĀmdĀncpegmj_

5,/■GĀrĀgqĀc_qwĀrmĀglqr_jjĀrfcĀamllcargmlĀ`_pĀrfpmsefĀrfcĀe_nĀmdĀjmstcpqĀufclĀrfcĀjmstcpqĀ_pcĀmnc

D1

27-1

D1

C2

bottom view of pergola roof

top view of pergola roof

screw through the gap of louver
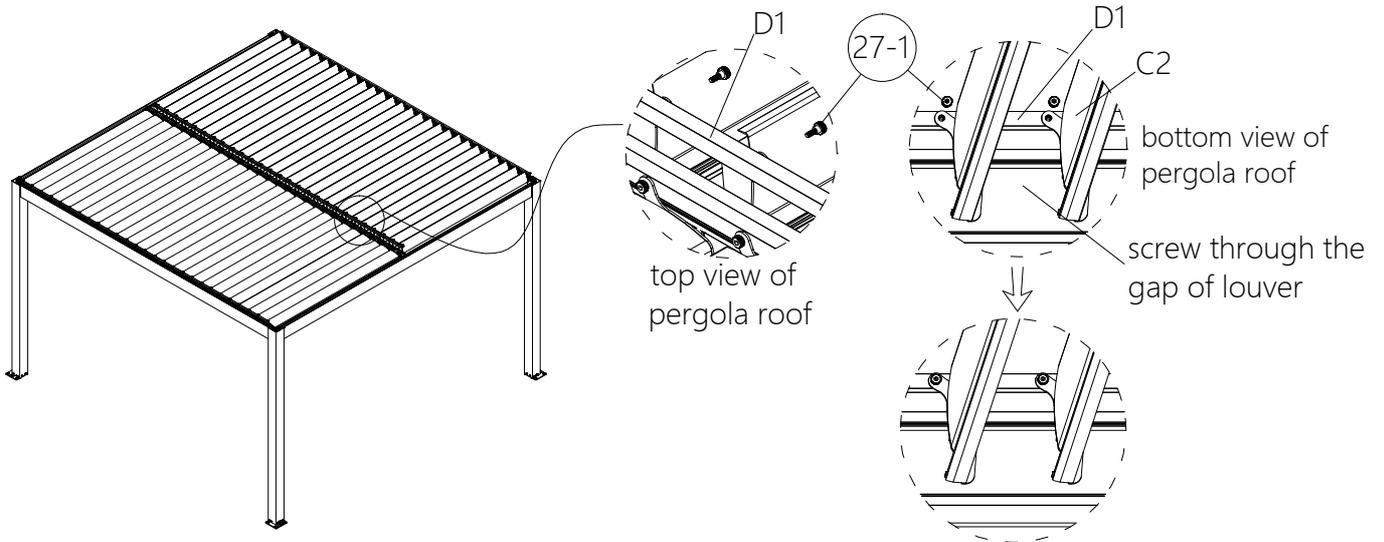
QrcnĀcgefr醈Glqr_jjĀrfcĀesrrcpĀamplcpĀglqcprĀ`_pĀ*ĀĀĀ`c_kĀdj_qfgleĀ_lbĀnmqrĀmnĀ

6,/■glqr_jjĀrfcĀesrrcpĀamplcpĀglqcprĀ`_pqĀĀ_rĀdmspĀamplcpq

6-1
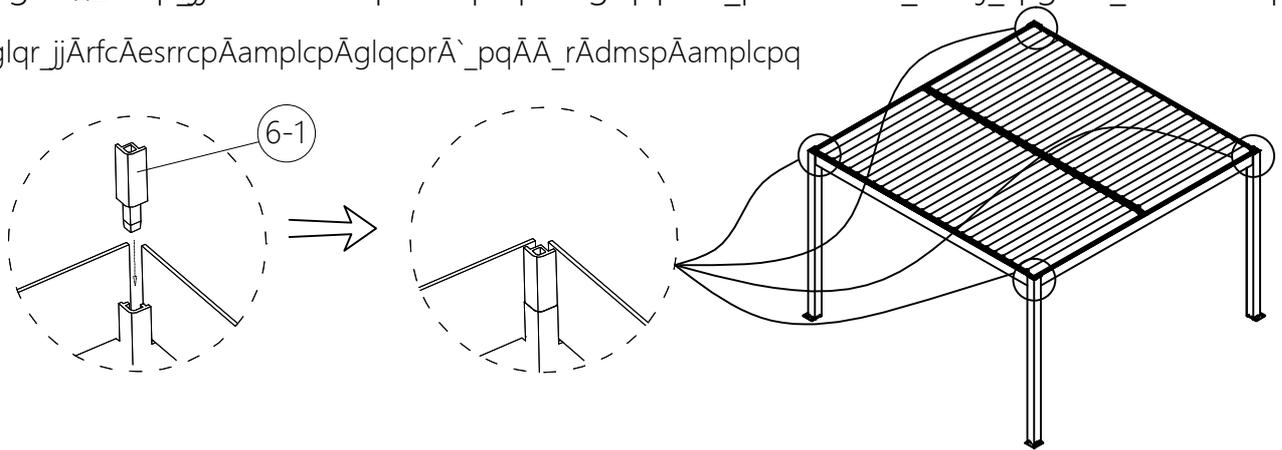
6,0■ĀGlqr_jjĀrfcĀ`c_kĀdj_qfgleĀ*rfcĀqfmprĀfmmiĀqgrĀmlĀrfcĀmsrqgbc
of beam and knock the flashing into the groove

(it iseasy to install the beam flahsing
ufclĀrfcĀjmstcpqĀ_pcĀmnclcb鵣)

E3

E4

E2

24-1

brush strip

E1/2/3/4

B1/2/3/4

E1

3-3
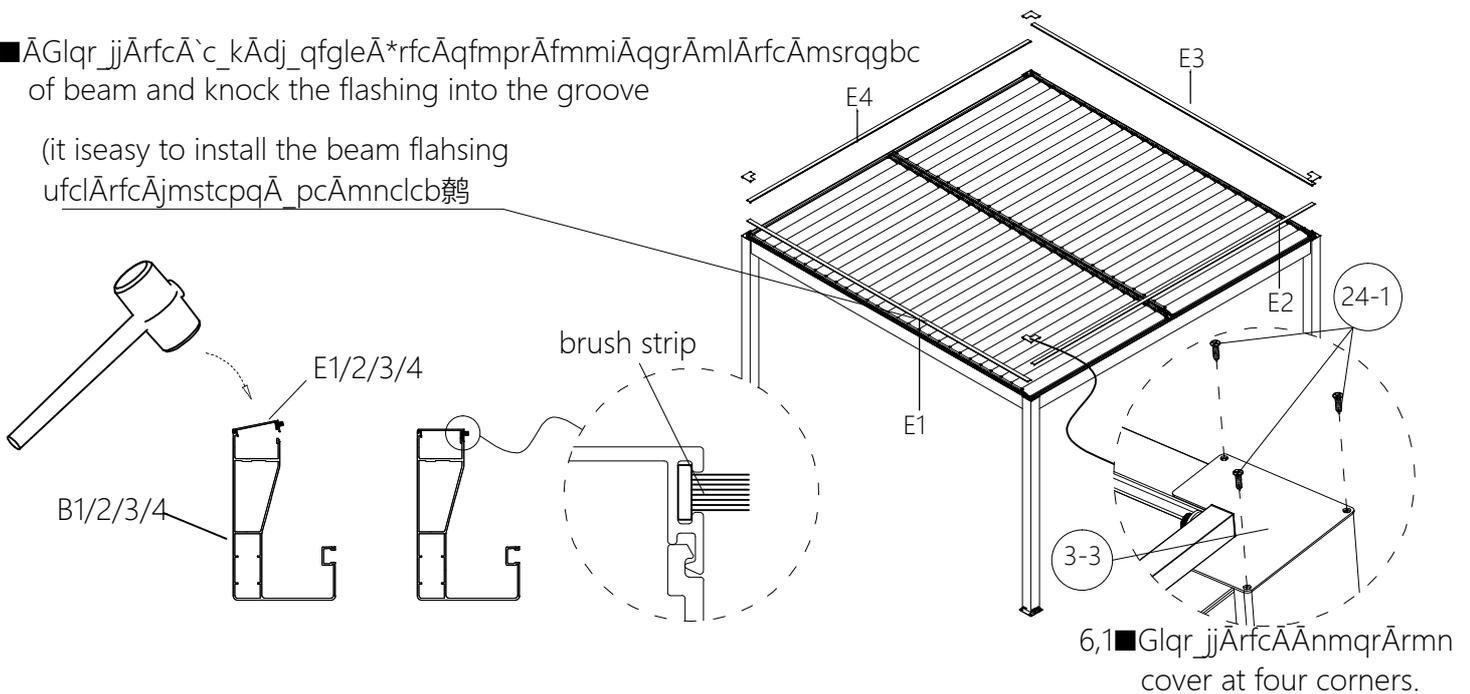
6,1■Glqr_jjĀrfcĀĀnmqrĀrmn
cover at four corners.

<13/22>

6,2■Āglqr_jjĀrfcĀbgtgbcbĀ`c_kĀdj_qfgle

6,2,/■ĀGlqcprĀrfcĀbgtgbcbĀ`c_kĀdj_qgleĀglrmĀrfcĀepmmtc
ĀĀĀĀĀĀĀĀĀ鷚grĀgqĀc_qwĀrmĀglqr_jjĀufclĀrfcĀjmstcpqĀ_pcĀmnclcbĀ鷚

6,2,0■QapcuĀrfcĀdj_qgleĀĀ_rĀ`mrfĀqgbc

22-1

E5

E5

QrcnĀlglc鷚Glqr_jjĀrfcĀdmmrĀnj_rcĀamtcp

2-6

silicone sealant

ĀĀĀĀĀĀĀlmrgac鷚
the silicone sealant are not offered ,
you should purchase it locally

completed

Step ten: Check the product functions

10.1 Ensure the pergola has been connected to the leakage protection switch.

10.2 Check the power supply of the pergola

10.3 Check the function of the remote

10.4 Check the LED light

10.5 Check other equipments

<14/22>

HOW TO PAIR TUYA APP

Step One :Clik open TUYA app

1. Prepare a public wifi for the pergola

2. Open the phone bluetooth and TUYA app

! Tip:
it needs 2.4GHz wifi

When you open the Tuya app, the 'Add Pergola' button will automatically appear on your mobile screen

Enter the WLAN password

Click 'Done' when you have successfully added it.
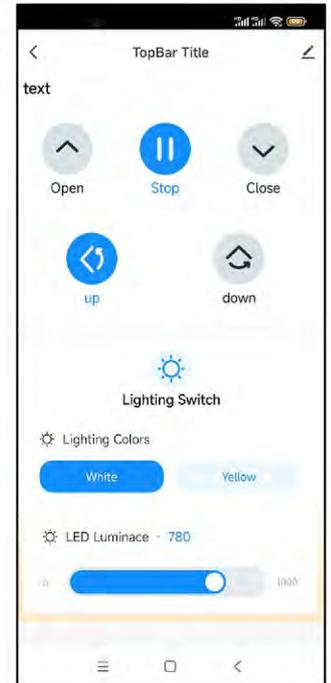
Operation screen

3. How to delete the APP control

Pair Button

Indicate Light

TUYA APP control screen

Press and hold the pair button about seven seconds unitl the indicate light turn off one second
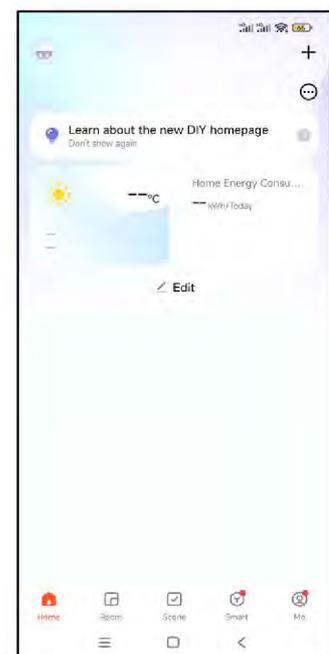
Refresh the app control screen, and you will find that the pergola has been deleted

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1、 Open tuya app
and click add device

2. Search door window
(WIFI) in the catagory

3. enter the wifi
password

5. click confirm
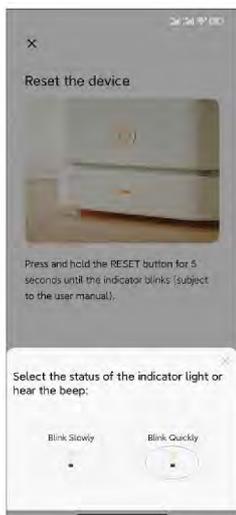
6 select quick flash

7.Waiting for
connection

8. success

9. operation panel

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How to authorize account to your family members

TUYA APP
When you connect to tuya app successfully ,you can share the account to your family members
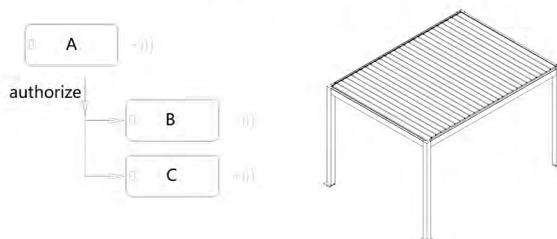
Tips:
1.The owner's phone (A) connect to pergola ，he can operate the pergola by his phone A.
2.The the other family members also download TUYA app and singn in.The account for logging into the app should be linked to a mobile phone number or accessed using a mobile phone number.

1.Create a family group in the phone (A)
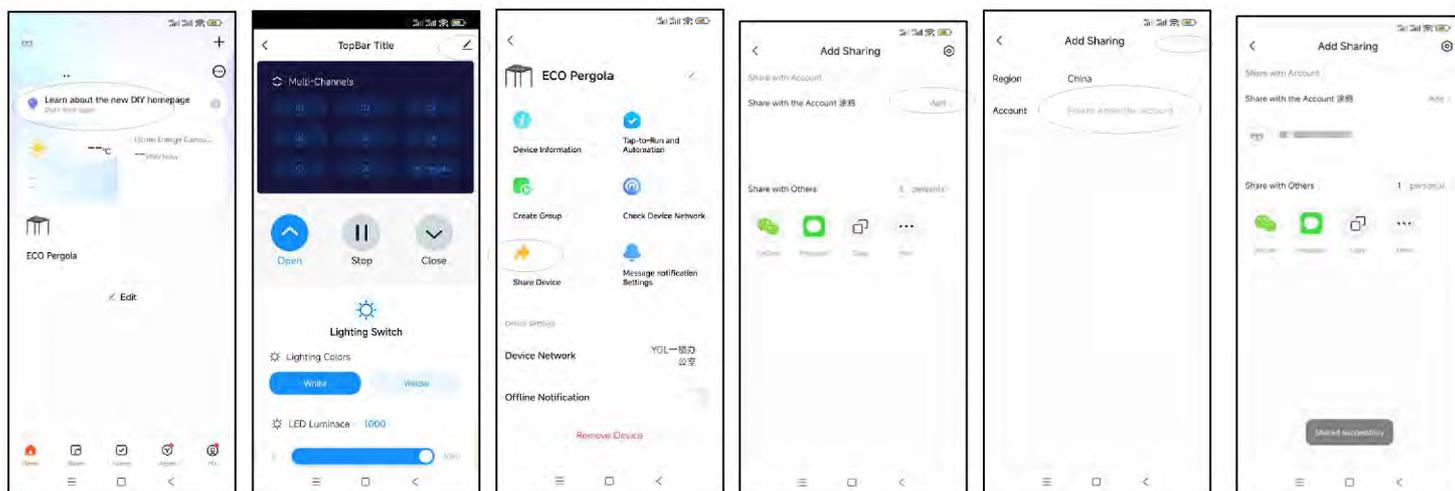
| 1.1、click"pergola" | 1.2 click "setting" | 1.3、click"sharing the device " | 1.4、click "add" | 1.5、input the account you want to share | 1.6、success |

2. The other family members accept the invite on their Phones
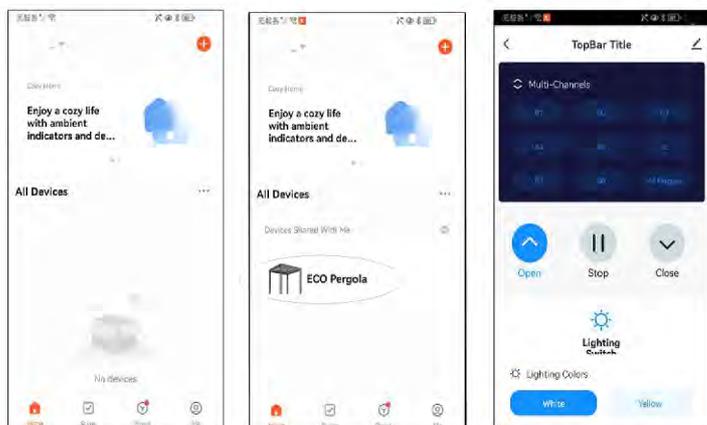
| 2.1、shortscreen of invitee | 2.2、click the invited pergola | 2.3、completed shortscreen |

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WALL-MOUNTED TYPE INSTALLATION INSTRUCTION

B4

B5

B3

B1

B2

A2

A1

What you need

ϕ 1 2 mm drill bit

17mm wrench
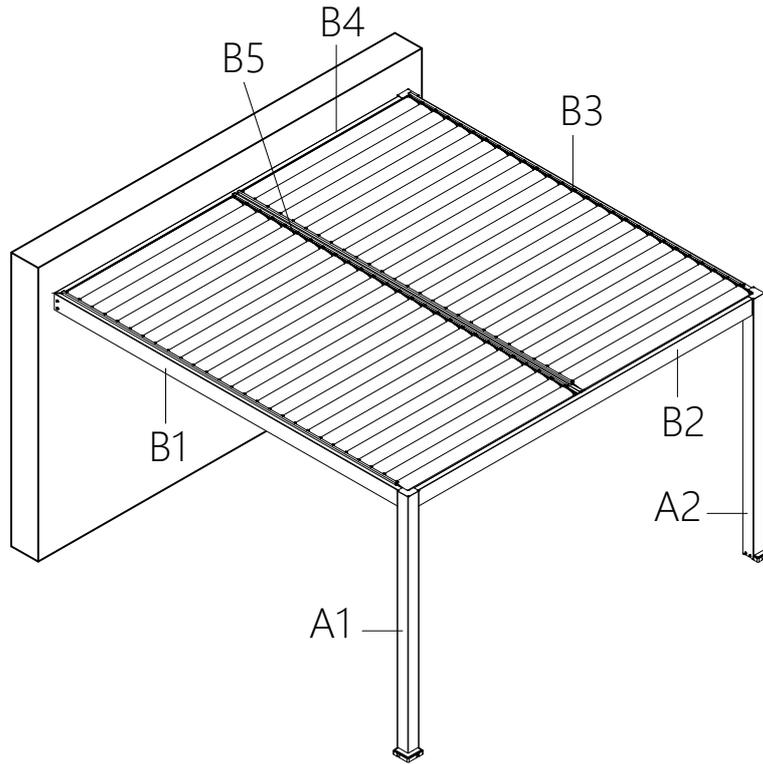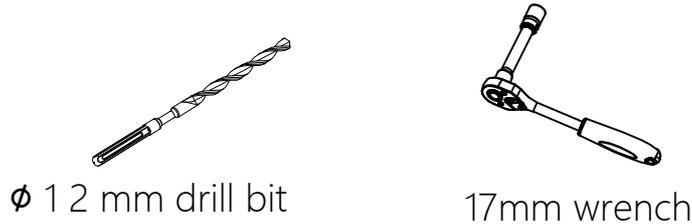
Hardware

code	Name	photo	remarks
6-2	bgtgbcbĀesrrcpĀbcamp_rgmlĀamtcp鹨jcdr鹨		
6-3	bgtgbcbĀesrrcpĀbcamp_rgmlĀamtcp鹨pgef鹨		
17-1	SUS hex bolt (M8*14)		
19-1	M8 washer		
19-2	M10 washer		
31-1	Wood screw (M10*100)		
31-2	expansion plug (M14*75)		
32-1	diameter 30 cap		

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Step 1: Fix the wall mounted beam on the wall
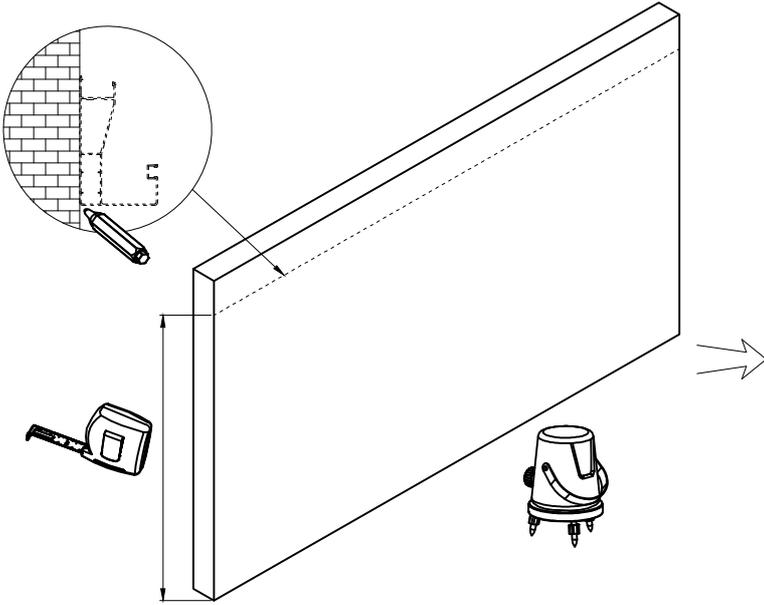
1.1 Take sure of ger_bginterp to bk_piRrfcu_jj
mounted beam height and position

B4
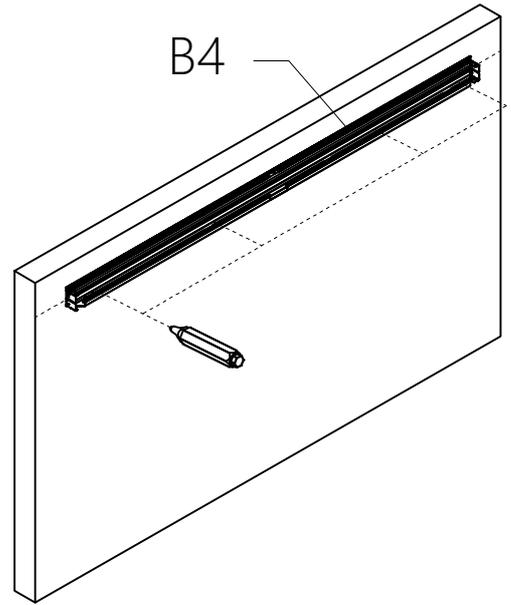
1.2 K_piRrfcnmqgrgml md Rrfc fmjcq `w_ jgelgle
with the holes on the gutter. You should drill the
holes in local to ensure it accurate for your house.

31-2

1.1 bpgjj fmjcq
on the sign pot
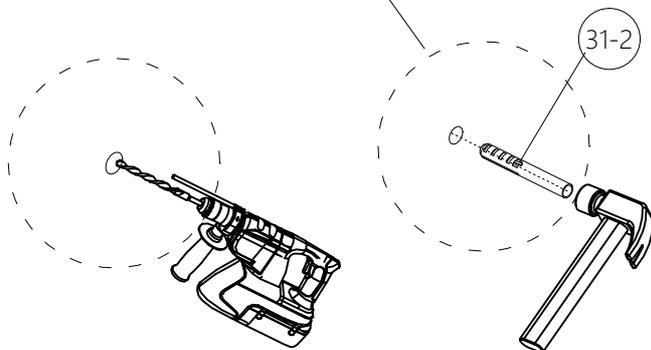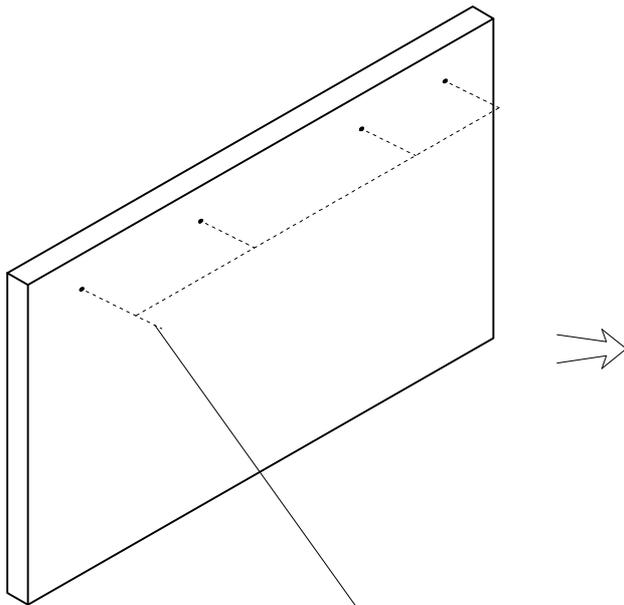
1.2 Qrsdd Rrfc cvn_lqgml
plug into the holes

B4

19-2
31-1
32-1
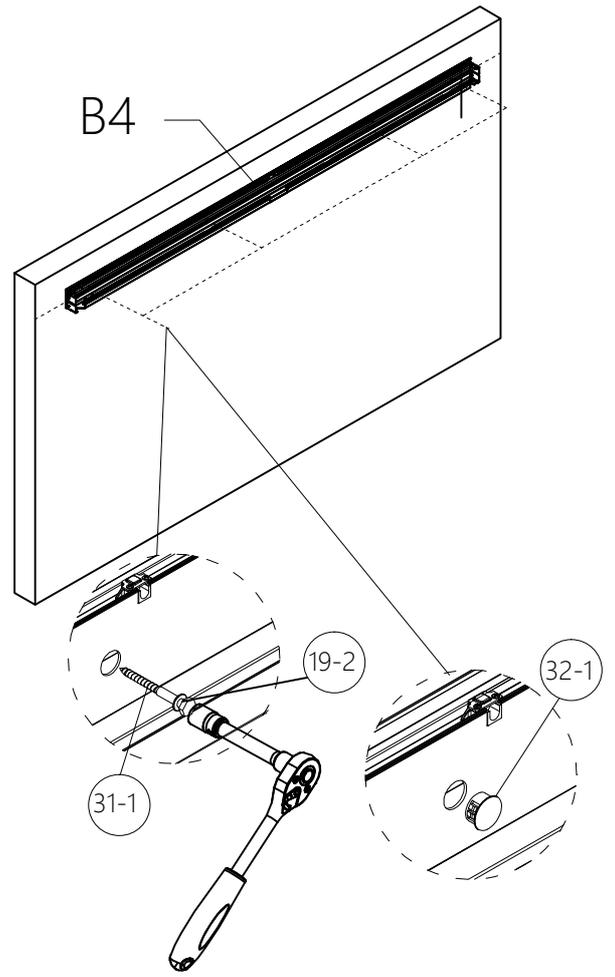
1.3 sqc upclaf rm qapcu Rrfc
beam & gutter on the wall

1.4 qrsdd Rrfc a_n

⚠Notice:
You shold double check the position
before fasten the wood screw

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Step 2: Assemble the pergola frame

0Ã,/■Amk`glcÃrumÃnmqrÃugrfÃ`c_kÃ$ÃesrrcpÃ_lbÃjgdrÃgrÃsn

15-1

15-2

A1

B2

A2

0,0Ã■Glqr_jjÃrfcÃ`c_kÃ$Ãesrrcp

0Ã,0Ã+/Ã■GlqcprÃrfcÃ`c_kÃglrmÃrfcÃnmqrÃepmmtc

0,0+0Ã■R_icÃ_n_prÃrfcqcÃrumÃqapcuqÃdgpqr

0,1+1Ã■Amk`glcÃrfcÃ`c_kÃ$ÃesrrcpÃugrfÃhslargml

B3

B1

17-1

19-1

0,0Ã+2Ã■
Fasten the
screw again

0,0Ã+3Ã■ÃD_qrclÃrfcÃsn
and bottom screws

The inside connection of
the beam and gutter need
to place silicone

0,1■Glqr_jjÃrfcÃesrrcpÃbcamp_rgmlÃa_qgleÃmlÃrfc
wallmounted beam&gutter
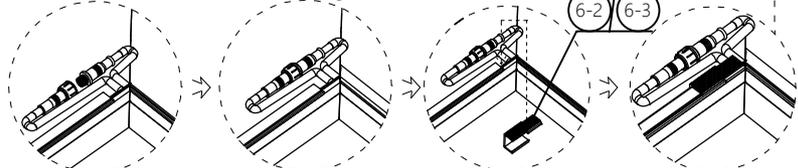
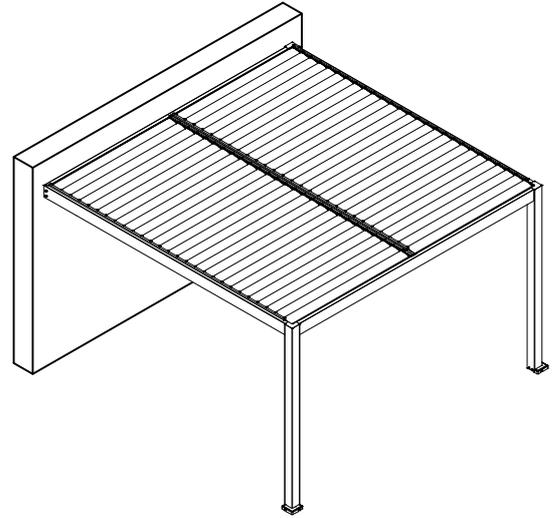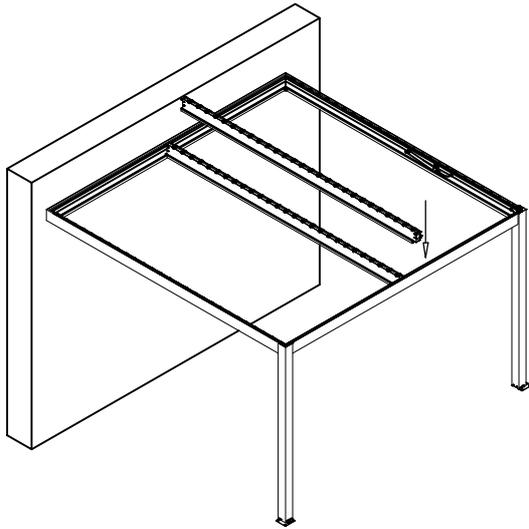link the cable connector

6-2 6-3

install the gutter decoration casing

<19/22>
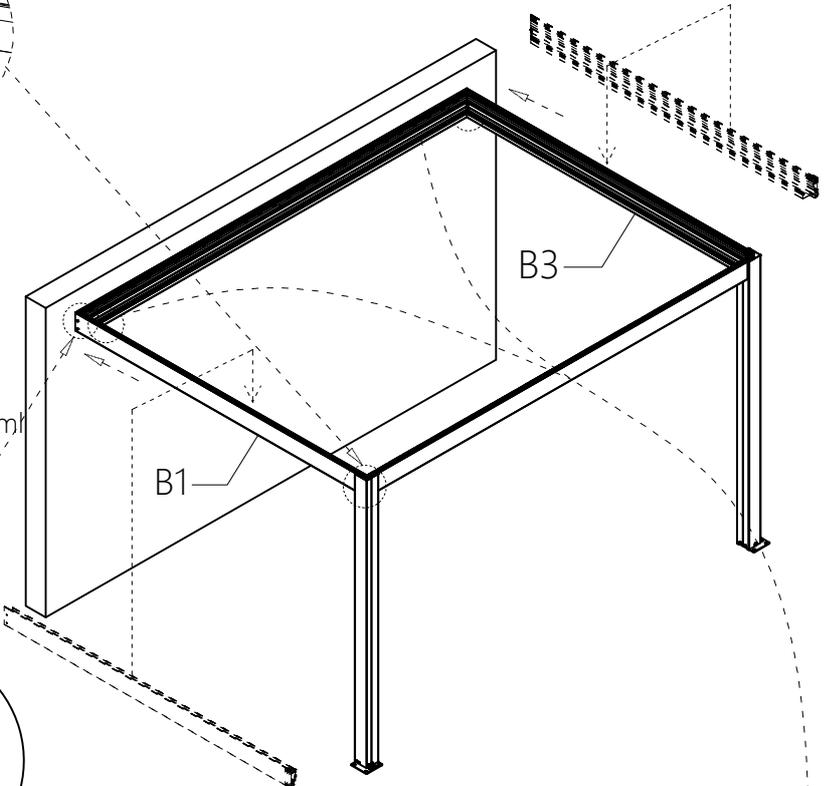
Follow the privous Step 2,3,4,5,6,7,8 ⟶ Until Completed

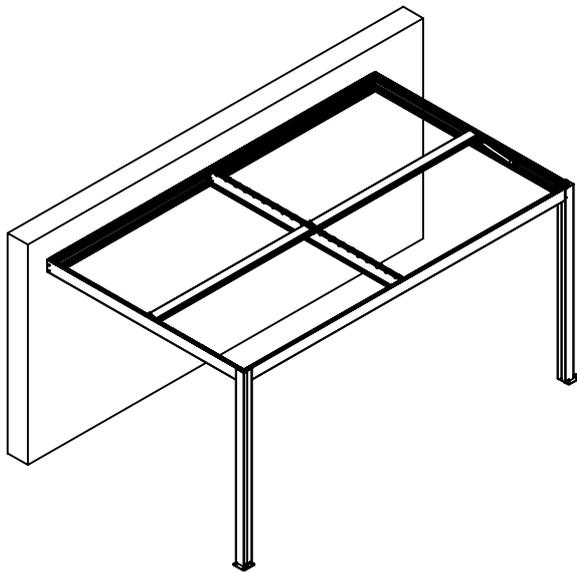## RfcpcĀ_pcĀrumĀqncag_jĀlmrgac耀差

-1. Place the driven louvre and led light cable into position

-2.Install the beam flashing
鹦Lmrc8ĀbscĀrmĀrfcĀu_jjĀnmqgrgmlĀ_lbĀbgddgasjrĀrn the beam flashing when install all the louvres)

E4
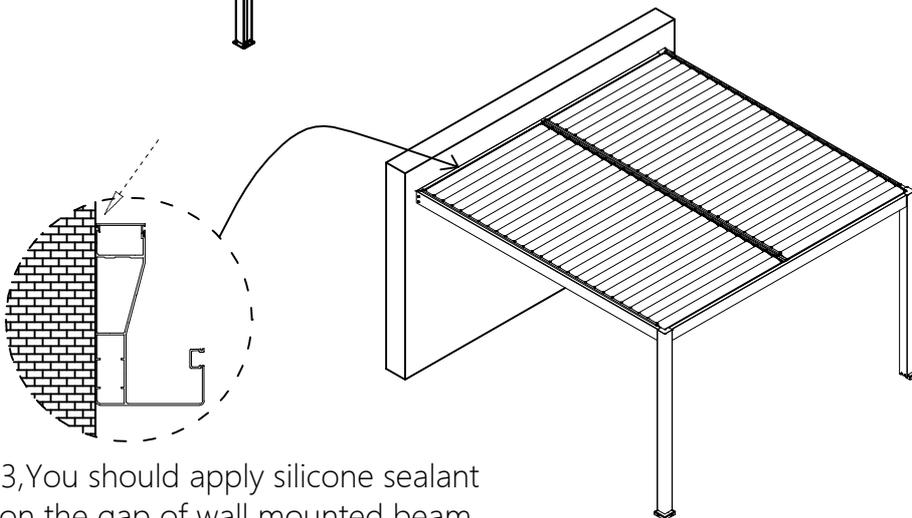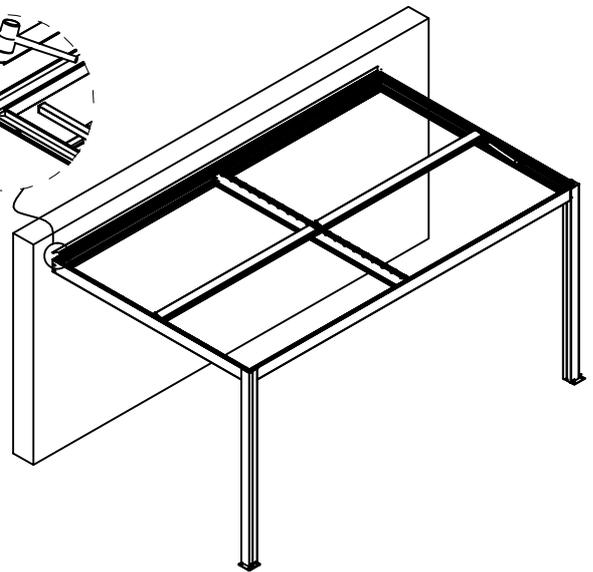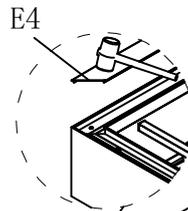
-3,You should apply silicone sealant on the gap of wall mounted beam

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Trouble Shooting

problem	solutions
The motor and lights do not work	1.Check if the cables is correct 2.Check if the voltage for pergola is available: 110V or 220V. 3.Check if the remote learn to match the control system. 4.Check if the remote is working or not. 5.Check if the control system has power output or not.
Blade cannot be opened	1.Check if the motor works. 2.Check if the connection bar is installed correctly. 3.Check if the motor connecting blades and the motor are connected properly.
Leakage at the ceiling fan position	1.Check if the connection do silicone sealant dealing.
The remote does not work	1.Press the learn button within 5 seconds when the motor input power. 2.Check if the remote battery is available.
can not link to APP	1.ensure you read the manual of tuya app link 2.you should remove the previous phone record then you can connect again

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Maintenance and Repair

Caring for Your Pergola
Maintaining the original appearance of your pergola requires cleaning the surface annually. The thermosetting powder coating on the product's surface is susceptible to:

1.Physical abrasion, hard impacts, extrusion, and exposure to chemicals, including alkaline and acidic solvents.
2.Natural elements like wind, rain, snow, and prolonged exposure to sunlight.
Cleaning Your Pergola:

1.Avoid using scouring pads, cream cleaners, abrasive sponges, iron wire balls, or colored cloths.
2.Recommended materials: Soft sponges, lint-free soft cloths, cotton wool, cotton, or non-woven fabrics (white only).
3.Steer clear of corrosive products such as acidic or alkaline cleaners. Instead, wash with water of a lower PH value and wipe with a cloth to maintain cleanliness.
4.When using high-pressure equipment, be mindful of distance, nozzle type, water temperature, and pressure to avoid damage.

Reminder for Use:

After installation, please ensure the screws are tightened and check them at least once a year.

1.Regularly inspect sealing components to prevent leaks.
2.Clear debris like fallen leaves from the pergola to prevent drainage pipe blockage.
3.Usage Limitations: While the waterproof system provides protection, it does not guarantee complete waterproofness. Heavy rain and strong winds may cause damage, which may not be covered by the warranty.

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A letter of thanks

Dear customer

I would like to take the opportunity to thank you for your patronage and purchasing our products .I assure you have purchased the perfect louvre pergola for you.Our team hopes you love our louvre pergola and share happy time with your family members and friends .

At our company, we prioritize customer satisfaction above all else. We warmly welcome your feedback, suggestions, and requests as they are invaluable in helping us enhance our services. Your opinions and comments are greatly appreciated and play a crucial role in our continuous improvement process. We would be delighted to hear your thoughts on our products. Please feel free to leave reviews on our website or reach out to us directly.

Thank you once again for choosing us, and it is our pleasure to serve you. If you have any questions or clarifications, please do not hesitate to contact us.

Gratefully