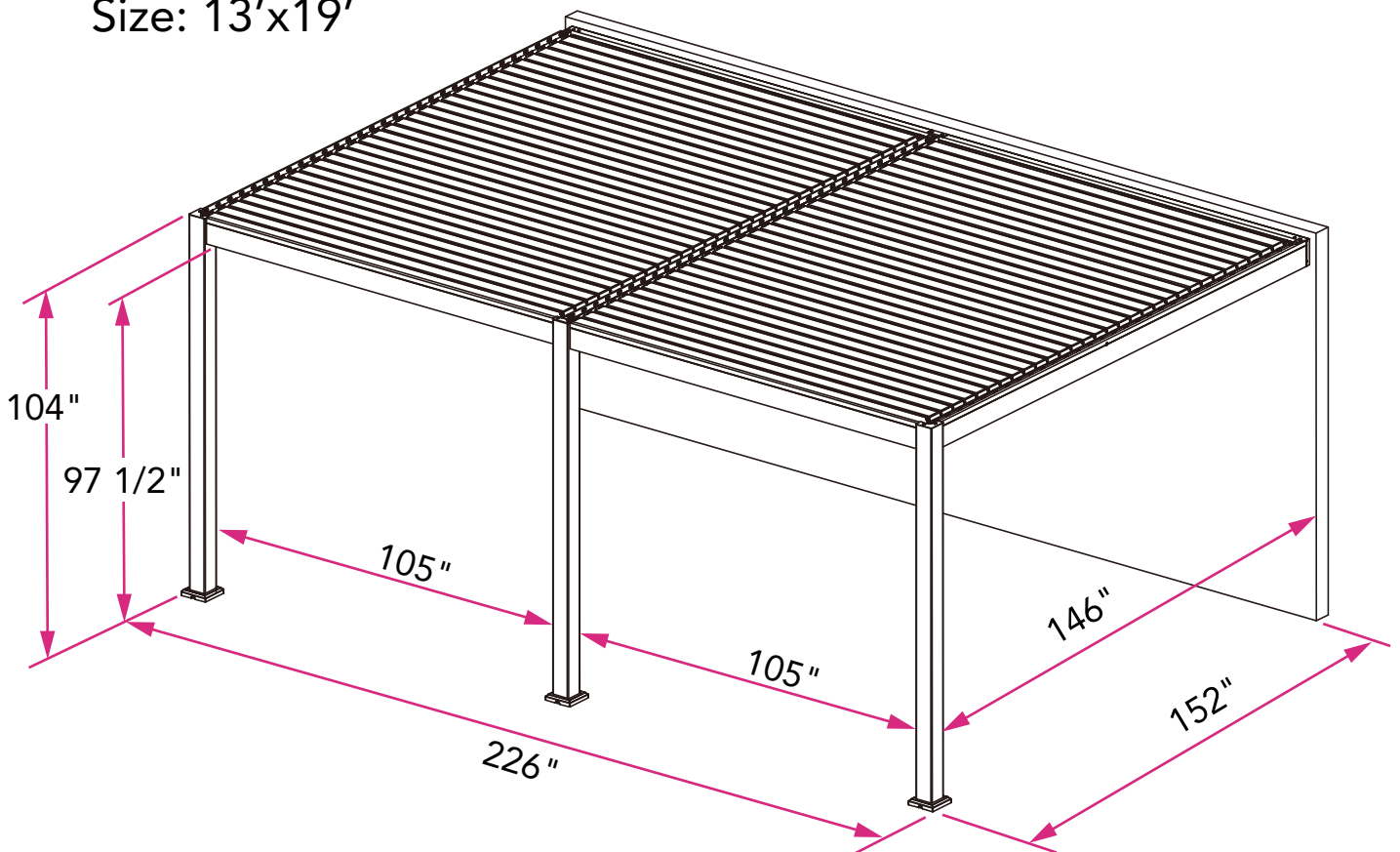# BON PERGOLA

User Instructions

Villa Pergola motorized operation
Size: 13'x19' Double Bay
(400 x 600cm)

Please visit www.bonpergola.com for the latest instruction under Q&A section

Size: 13'x19'

104"

97 1/2"

105"

105"

226"

146"

152"

Content

Attention:
Read this instruction manual carefully and completely before mounting and usage.
Keep this manual for future reference.

Dear Customer,
Congratulations and welcome to our Villa Pergola family. To enjoy your Villa Pergola for
its lifetime and for you and other's safety, please follow the assembly instructions.
Before you start the assembly process and using the Pergola, we suggest you are best
to get familiar with this product. Make sure all parts listed up in below packing lists are
delivered and intact. If you find that there are parts missing or damaged please do not
install the pergola but contact us immediately. Do not start the assembly process if parts are
missing or defective.

BON PERGOLA

Tools and man force

Recommended: 2 or 3 people
Additional tools :
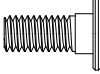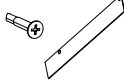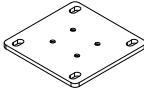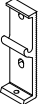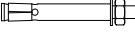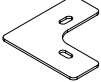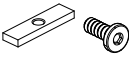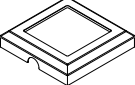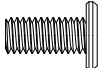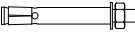
1. Ladder
2. M10/13 open wrench supplied
3. Rubber mallet
4. Tape measure
5. 5mm hexagon wrench supplied
6. Pencil
7. Spirit level
8. Electric drill
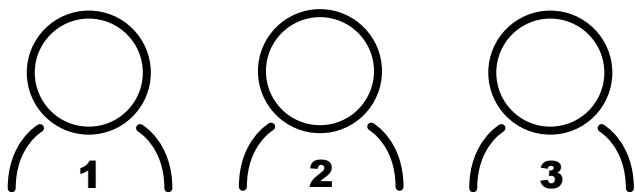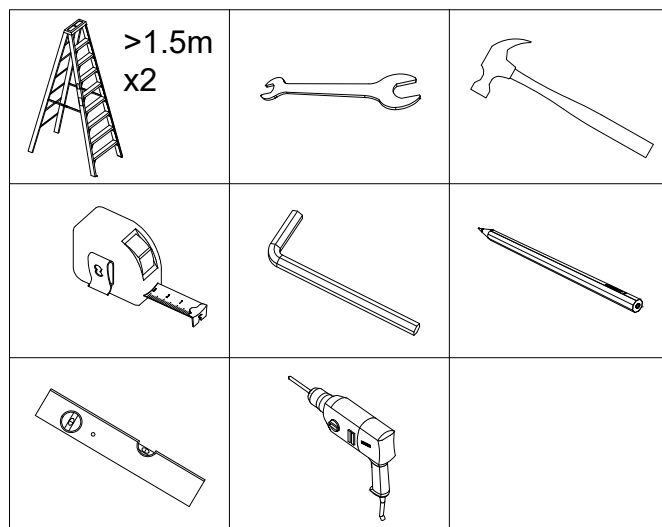
>1.5m x2

1   2   3

Parts List

Please check all parts against the parts list before commencing construction of pergola.

SIZE:13'x19' or 400X600CM PARTS LIST:

№	Part	Qty
1	M8x20 countersunk screw	x12
2	50 to 40 connector	x2
3	Base plate	x3
4	Upright cover	x2
5	M8x20 Hexagon bolt	x24
6	M10 screw cap	x2
7	M8x22.4 Hexagon bolt	x124
8	Plastic Spacer	x124
9	Locking nut	x124
10	Motor with motor bracket	x2
11	Gutter connector	x2
12	Wall Bracket	x6
13	Slider	x6
14	L bracket	x4
15	Cover plate	x2
16	M8X100 expansion bolt	x12
17	Footing plate cover	x3
18	M10X100 expansion bolt	x12

BON PERGOLA

SIZE:13'x19' or 400X600CM PARTS LIST:

Please check all parts against the parts list before commencing construction of pergola.

x1	A1	Louver beam with motorize connection
x1	A2	Louver beam with motorize connection
x1	B1	Wall mount beam
x1	B2	Wall mount beam
x1	C1	Beam
x1	C2	Beam
x1	C3	Center Beam

D1 **x1**   D2 **x1**   D3 **x1**

Post +
post connector

x2	E1	Gutter
x2	E2	Gutter
x2	F1	Gutter
x2	F2	Gutter

x58	G	Common louver
x2	H	Centre louver
x2	I	Driving louver
x4	J	Connecting rod

04

BON PERGOLA

Product Description:

Make the most of your outdoor living area with your pergola.
Relax and enjoy the outdoors while being protected from sun.
The coated aluminum frame pergola is perfect for shading your garden, deck, courtyard and swimming pool.

Important Safety Instructions:

Warning: For the safety of you and other persons it is important to follow below instructions and obey warnings.

Symbol explanation

This warning triangle calls attention to hazards that that can lead to death or to severe injuries or which are important for the functioning of the Pergola.

This sign identifies important notes.

Safety instructions

To install this pergola technical knowledge is necessary.
Do not mount this pergola yourself but contact a professional workman for help if

• you are unsure if the pergola can be mounted on the place you chose for installation.
• you do not understand the instruction manual or parts of it.
• you do not have necessary tools available.
• you do not have necessary technical knowledge

A minimum of three healthy adults are required to move and install the pergolaas the product is big and heavy. Do not try to install the pergola alone. If the pergola falls, it could cause serious injuries and damages! Contact an authorized assembler for help.

Do not install the pergola when you find damage parts are that parts are missing. Contact your dealer.

Keep children and pets out of the working area during assembly and adjustments.

This product and its fixing parts are only suitable for installation on a plain cement wall or stable brickwork. If the wall/brickwork shows cracks you have to consult a professional.

Nobody is allowed to change the products' design and structure without the permission of manufacture or authorized deputy.

Please make sure that your hands are clean at the time of the assembly; otherwise you may soil frame.

Nobody is allowed to climb onto the Pergola. Hanging anything on the Pergola is forbidden. Sheeting was used to protect the paint. This must be removed afterwards.

This structure is a non-permanent structure and the warranty does not cover damage incurred under extreme weather conditions including heavy rain, high winds or if exposed to high heat from heaters or BBQs.
Safety precautions should always be followed when assembling and using this product to reduce the risk of personal injury and damage to equipment. Please read all instructions before assembly and use. Never leave children unattended around/under this pergola.
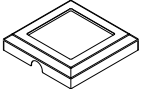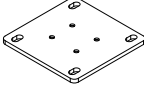Do not attempt to assemble or use the pergola in moderate or heavy wind conditions.
Always keep the pergola louver open and secure it during heavy winds or extreme weather conditions to avoid damage to the pergola or personal injury.
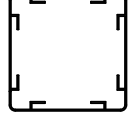
BON PERGOLA

Step 1

Attach base plate ③x2 to the bottom of posts ((D1) x1, (D2) x1 ,and),use bolts ① x8 to attach with hex key or electric drill

(D1) (D2) posts should be installed diagonally as below

Optional

⑰ **x2**

Footing plate cover

① ~~~~ **x12**

M8x20 countersunk screw

③ **x3**

Base plate

(D1)
(D2)
(D3)

Post + post connector **x1**

***NOTE: If you will need to cover the anchor with footing plate cover, put them on before attach base plate to post**

(D1)

(D3)

(D2)

③

① ⑰ Optional
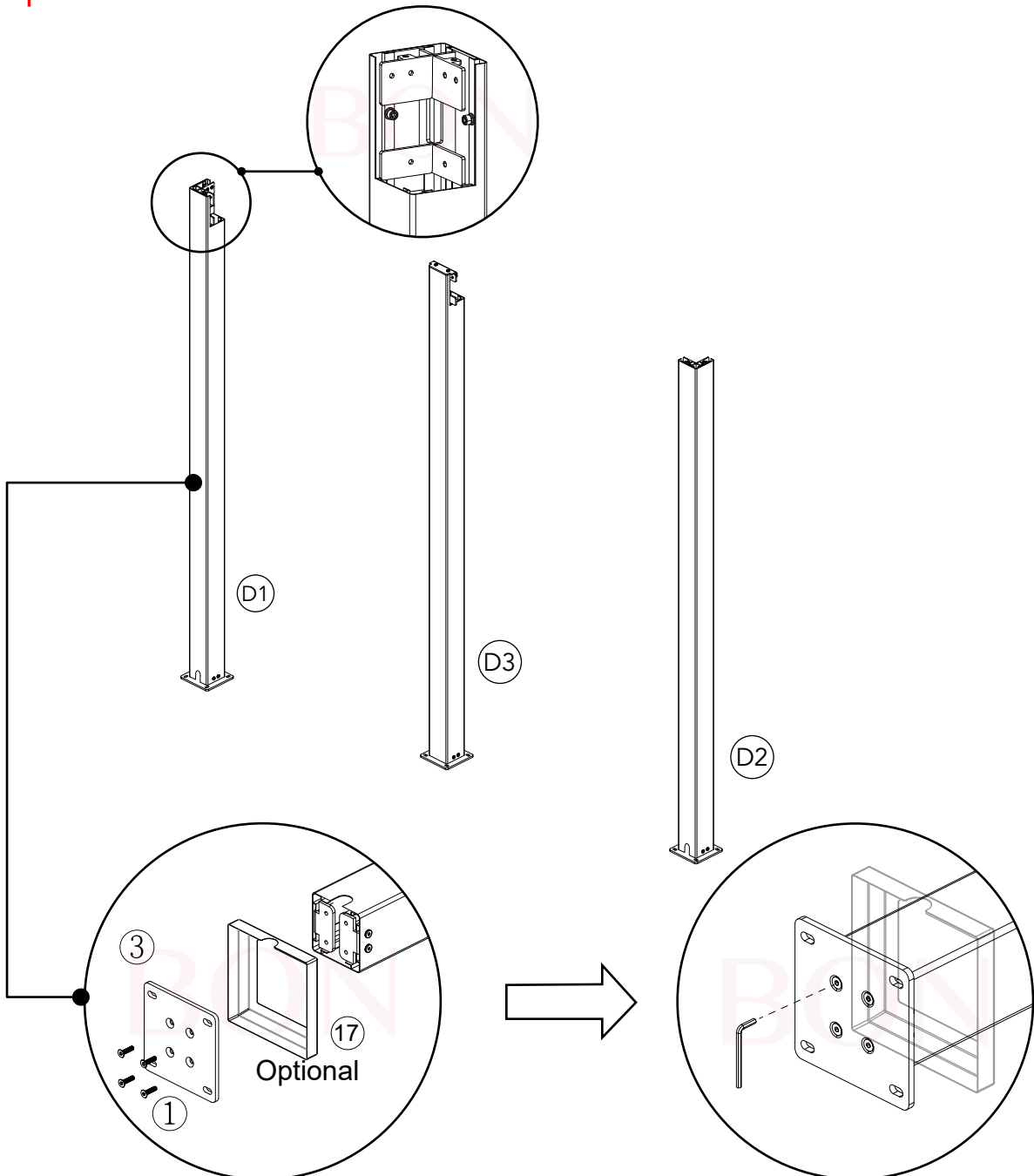
Step 2

According the height of (C2) to measure the height of (16) ,use anchor to fasten

(12) Wall Bracket x6	(16) M8X100 expansion bolt x12	(C2) Beam x1
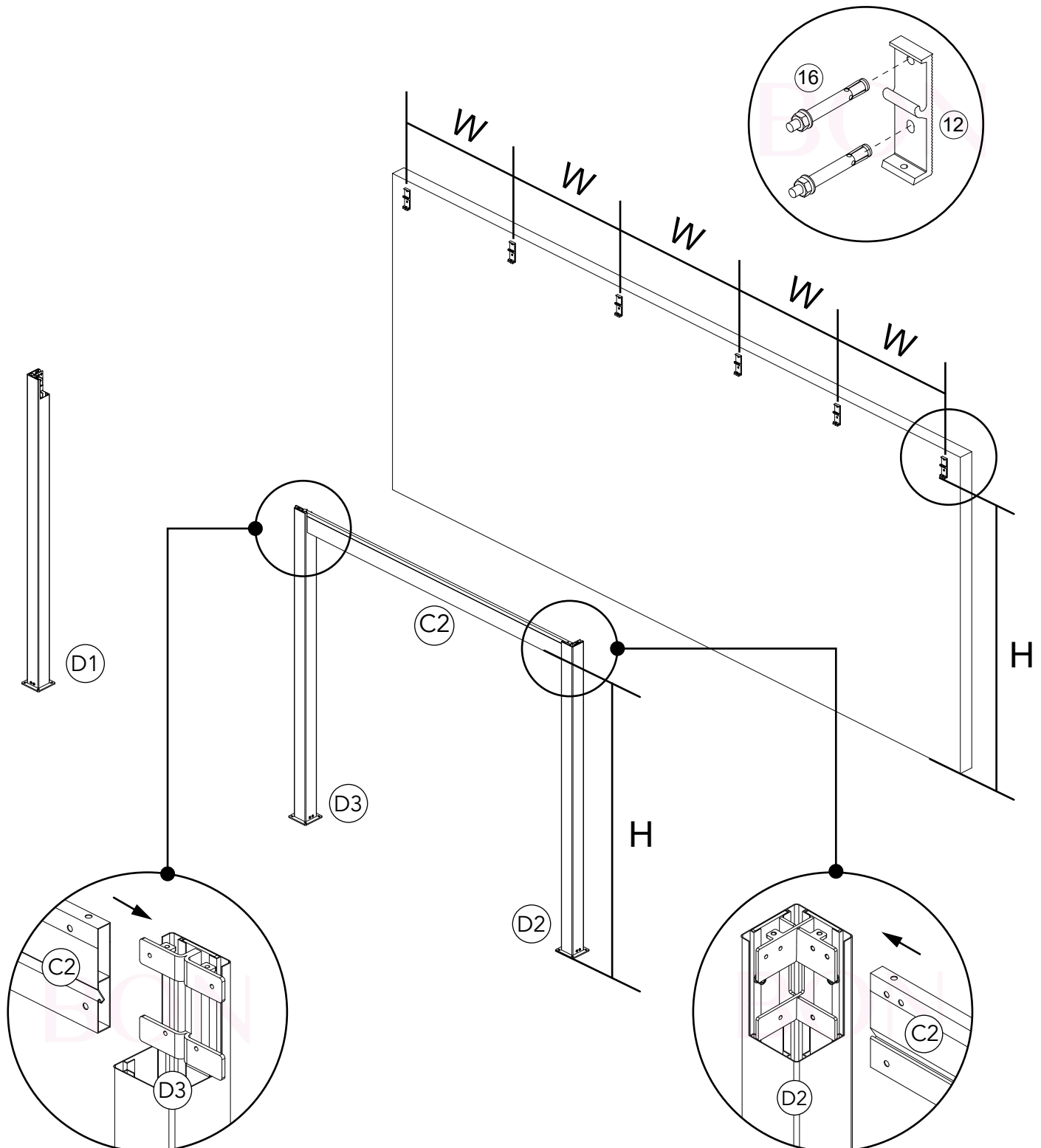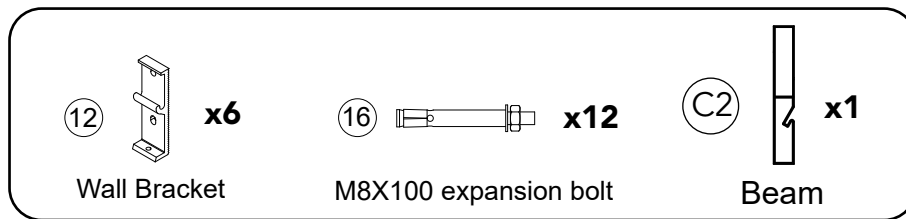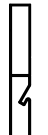
Step 3

Use bolts (12) x6 to fasten beam (B1) & beam (B2)

(13) Slider x6

(B1)
(B2) x1

Beam with motor direction & slots

(12)

(B1)

(B2)

(13)

(B1)

(B2)

(D1)

(D3)

(D2)

BON PERGOLA
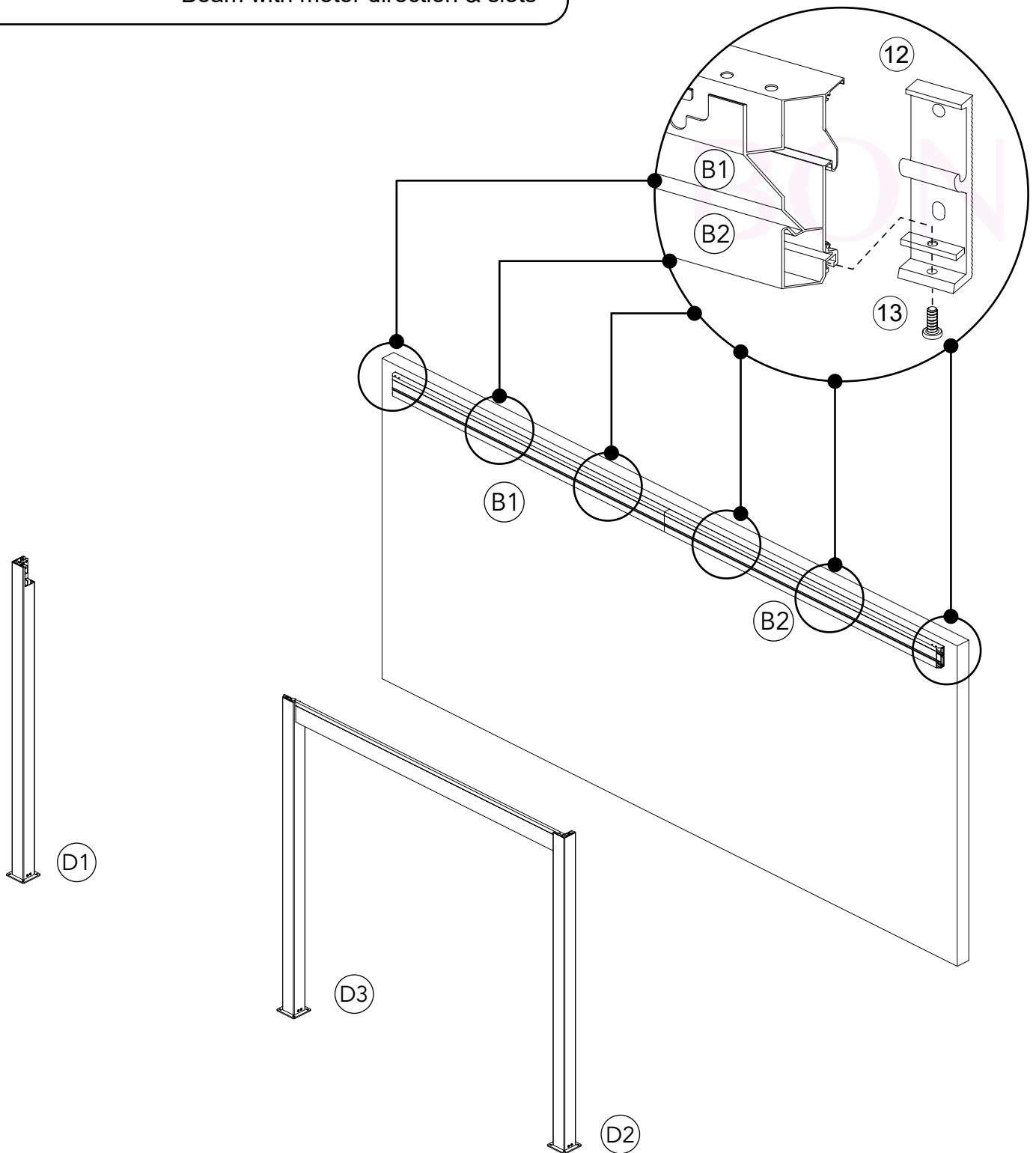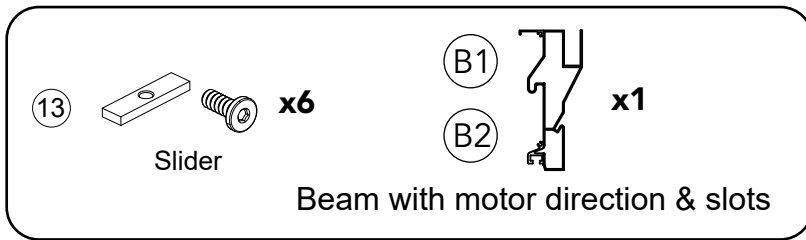
Step 4

Connect (A2) / (B2) with (14), fasten the screws, and insert the middle beam (C3) Lock the screws.

Connect the (B1) and (B2), insert (C1) into (D3), fasten the screws.

(5) M8x20 Hexagon bolt **x12**

(7) M8x22.4 Hexagon bolt **x6**

(A2) **x1** Beam with motor direction & slots

(C3) **x1** Center Beam

(C2) **x1** Beam

(14) **x1** L bracket

BON PERGOLA

Step 5

Insert the (A1) / (C1) into (D1) ,then connect (B1) with (14) ,fasten the screws.
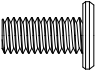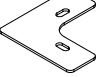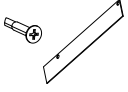
(5) M8x20 Hexagon bolt **x12**	(7) M8x22.4 Hexagon bolt **x6**	(A1) **x1** Beam with motor direction & slots	(C1) **x1** Beam	(14) **x1** L bracket		

Step 6

Cover the post with ④ x 2,fasten the screws.

Cover the beam on both sides with ⑭,fasten the screws

⑤ x4
M8x20 Hexagon bolt

④ x2
Upright cover

⑭ x2
Cover plate

BON PERGOLA
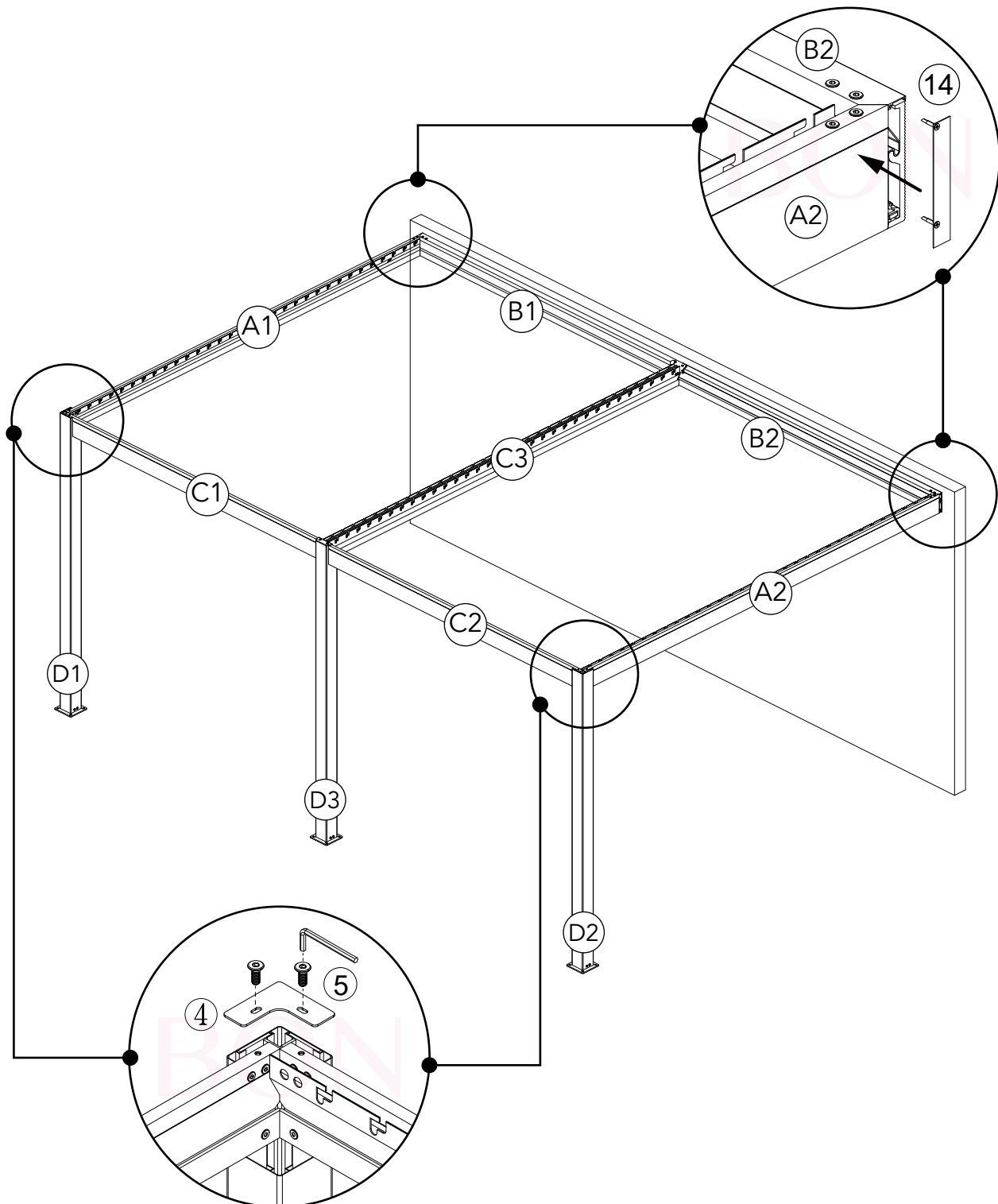
Step 7

Placed all gutter (E1) , (E2) , (F1) , (F2) in proper position as picture

(10) Motor with motor bracket **x1**

(E1) (F1)
(E2) (F2) Gutter **x1**
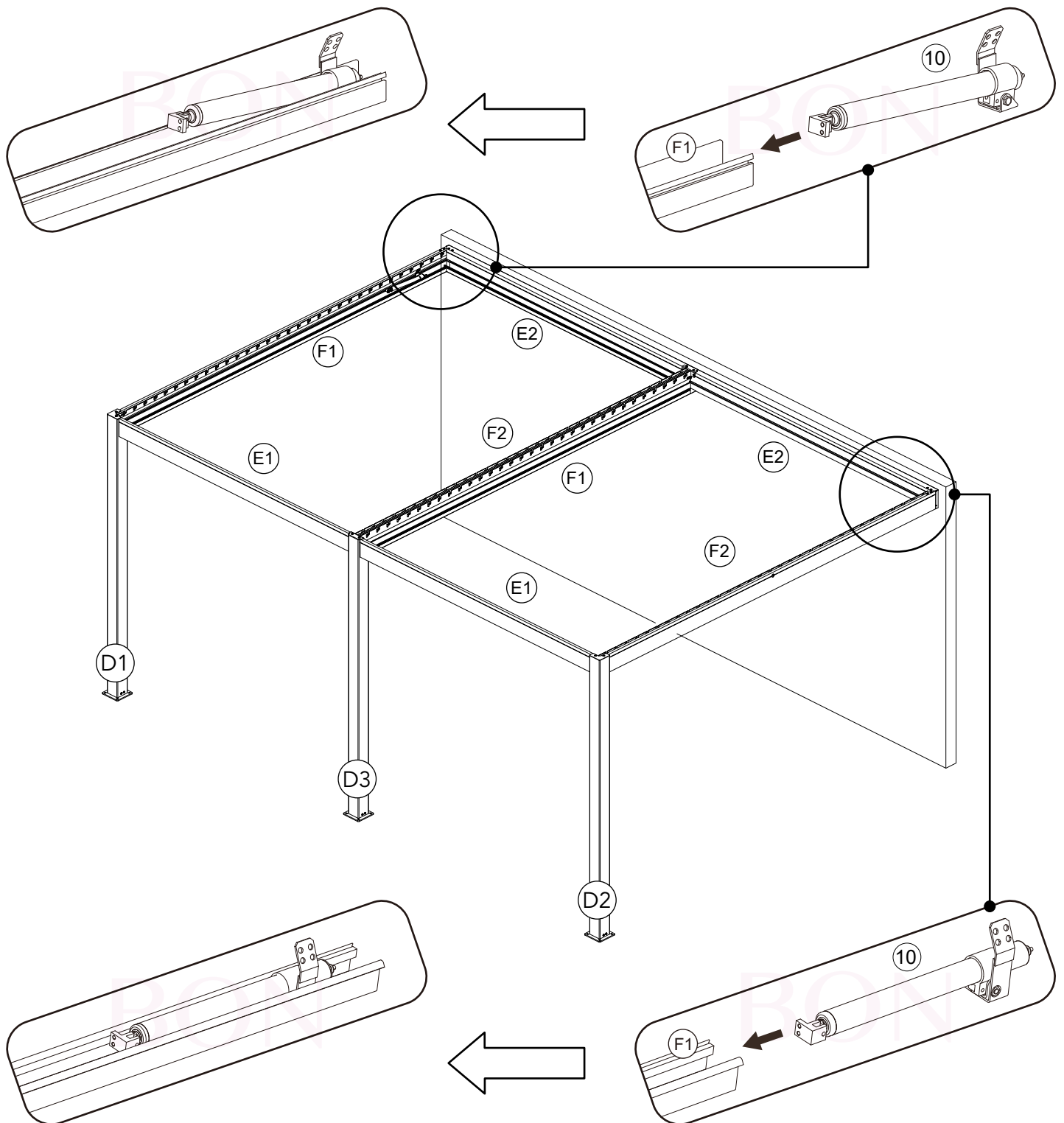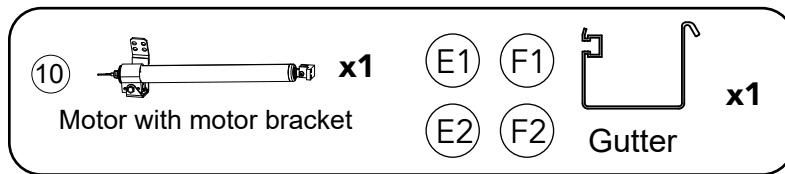
Step 8

1. Fasten ⑪ x2 gutter connector

2. If motor wire is running downward through the post, use ② to connect with ⑪ as shown below to not allow water drain through this post.

| ② 50 to 40 connector x2 | ⑪ Gutter connector x2 |
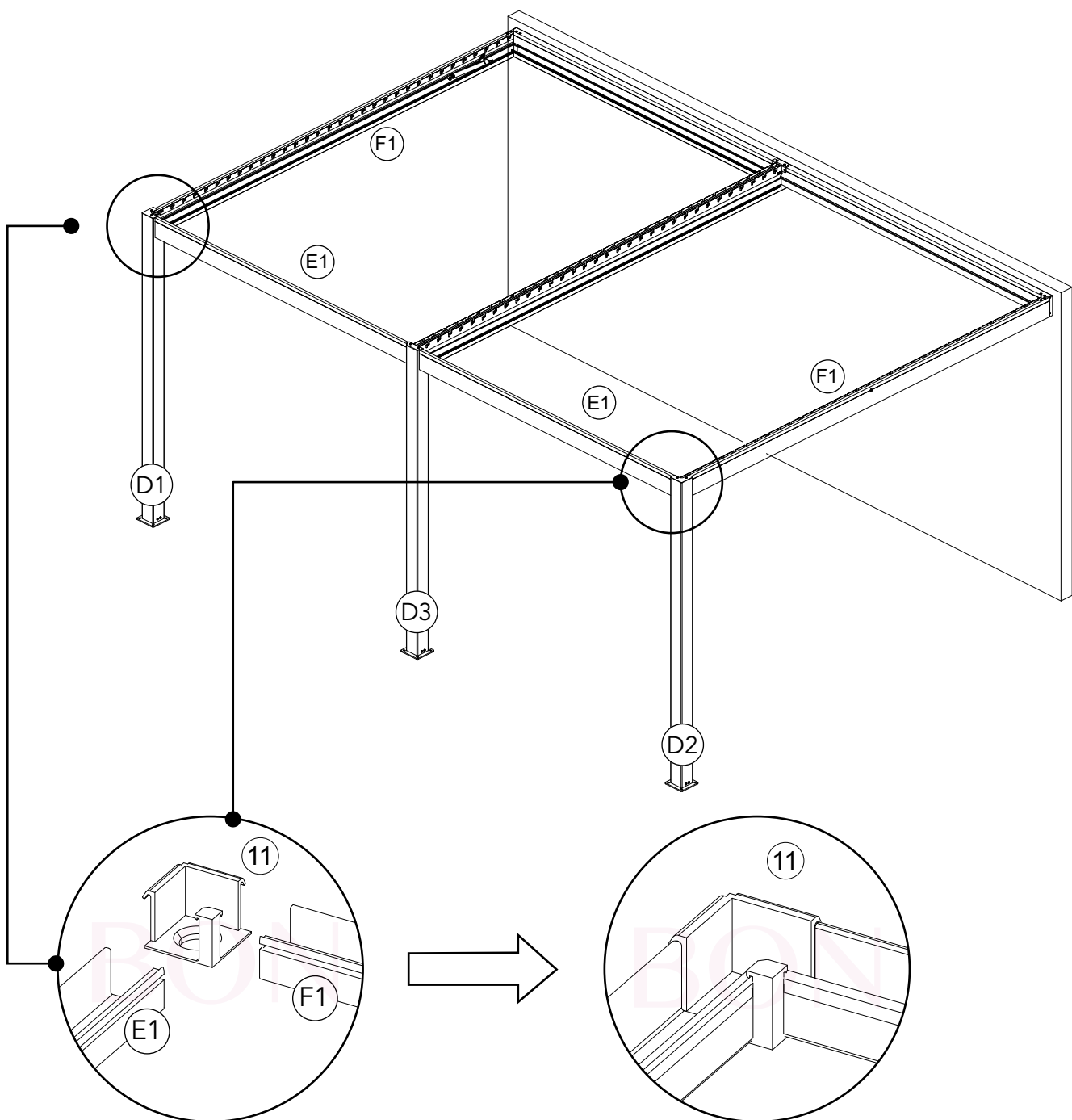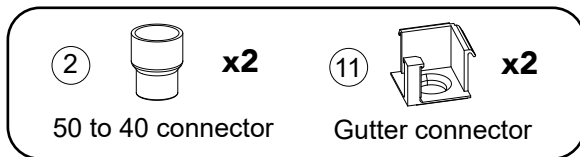
Step 9

Fasten motor ⑩ x2 with its screws as shown below.

⑩ **x2**
Motor with motor bracket

⑩

⑩

F1
E2
F2
E1
F2
F2
E2
E1
F1
D1
D3
D2
⑩
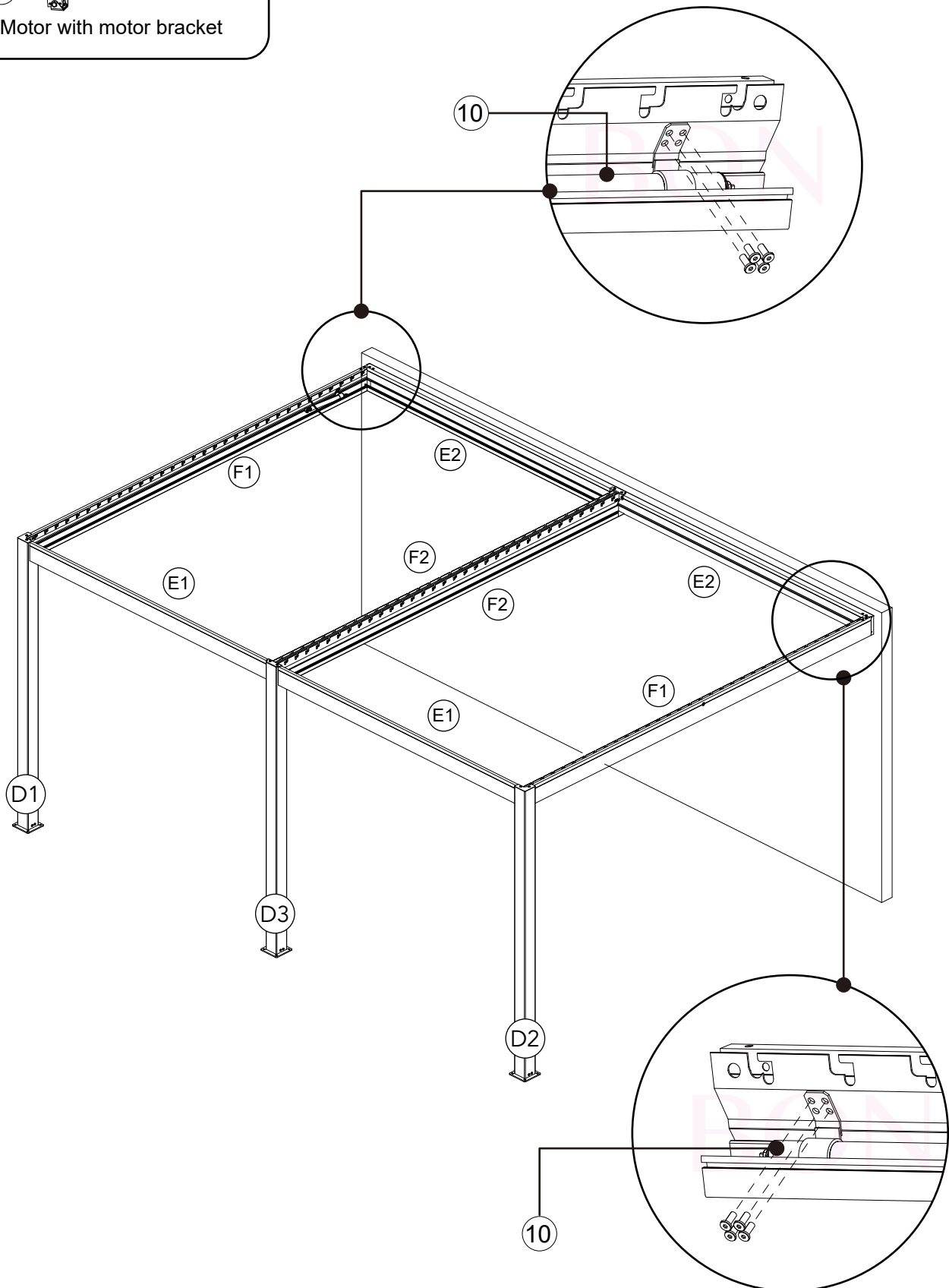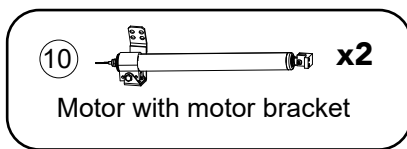
Step 10

Connect the female and male plugs for the LED lighting (DC24V to DC24V) and motor (DC24V to DC24V) and Plug the power cable into local socket.
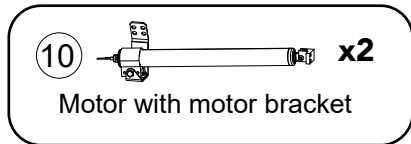
***Note: You can test your motor at this stage. Plug in and use its remote.

Motor with motor bracket

Poqwe plug

Main power
DC24V
DC24V

Main power
DC24V for motor
DC24V for light

Poqwe plug

F1
E2
F2
F2
E1
E2
F1
E1

D1
D3
D2

15
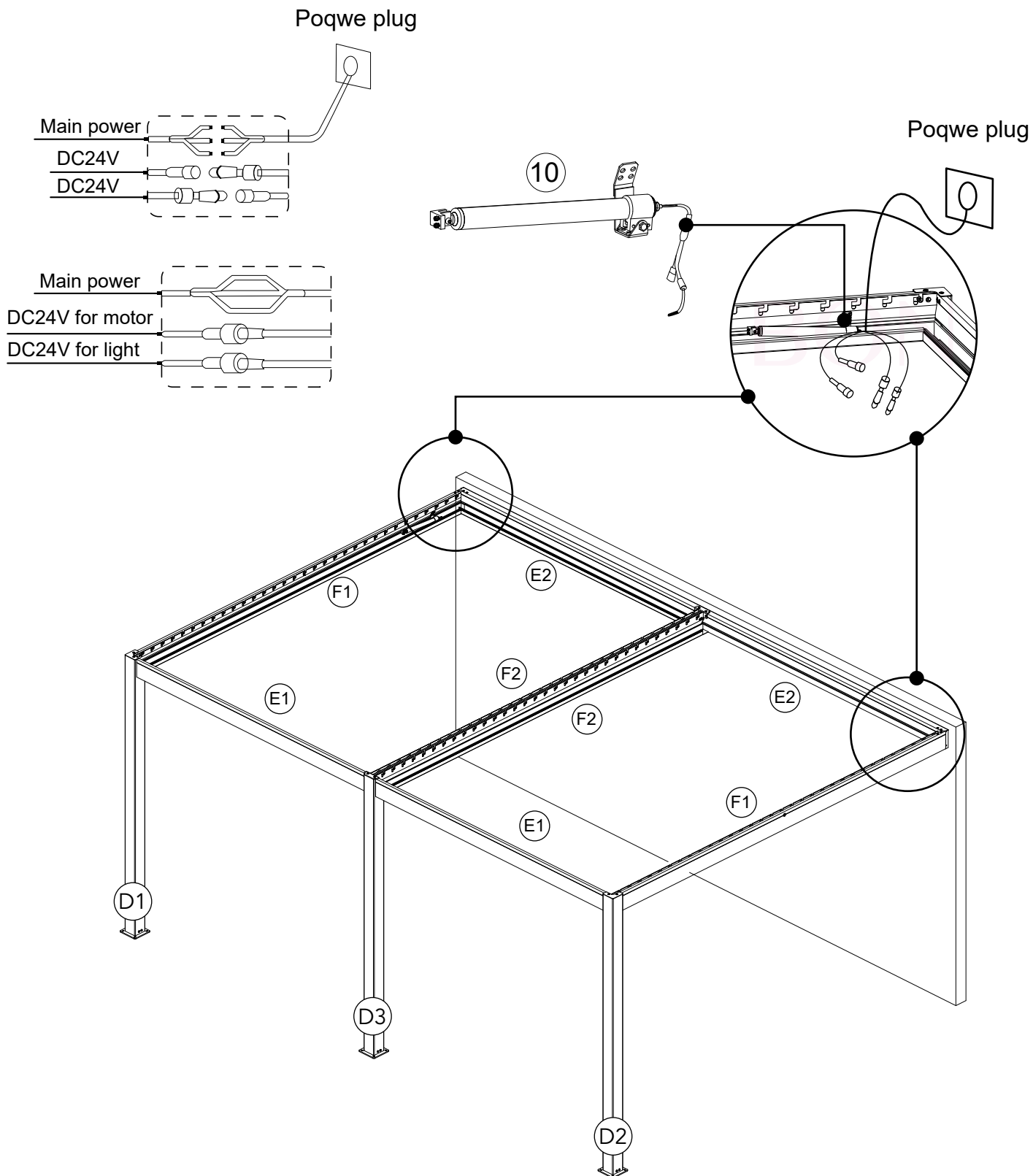
Step 11

Place center louver (H) into 16th slot, lining up with the holes

Using M10 nut (6) x2, secure the louver in place
Place Steering louvers (I) x2 in line with 7th slot on the beam (A1) and (A2)
Fit all common louvers (G) x58 into the remaining slots in the beams

(6) M10 screw cap **x2**

x2

(H) Centre louver

x2

(I) Driving louver

x58

(G) Common louver

BON PERGOLA
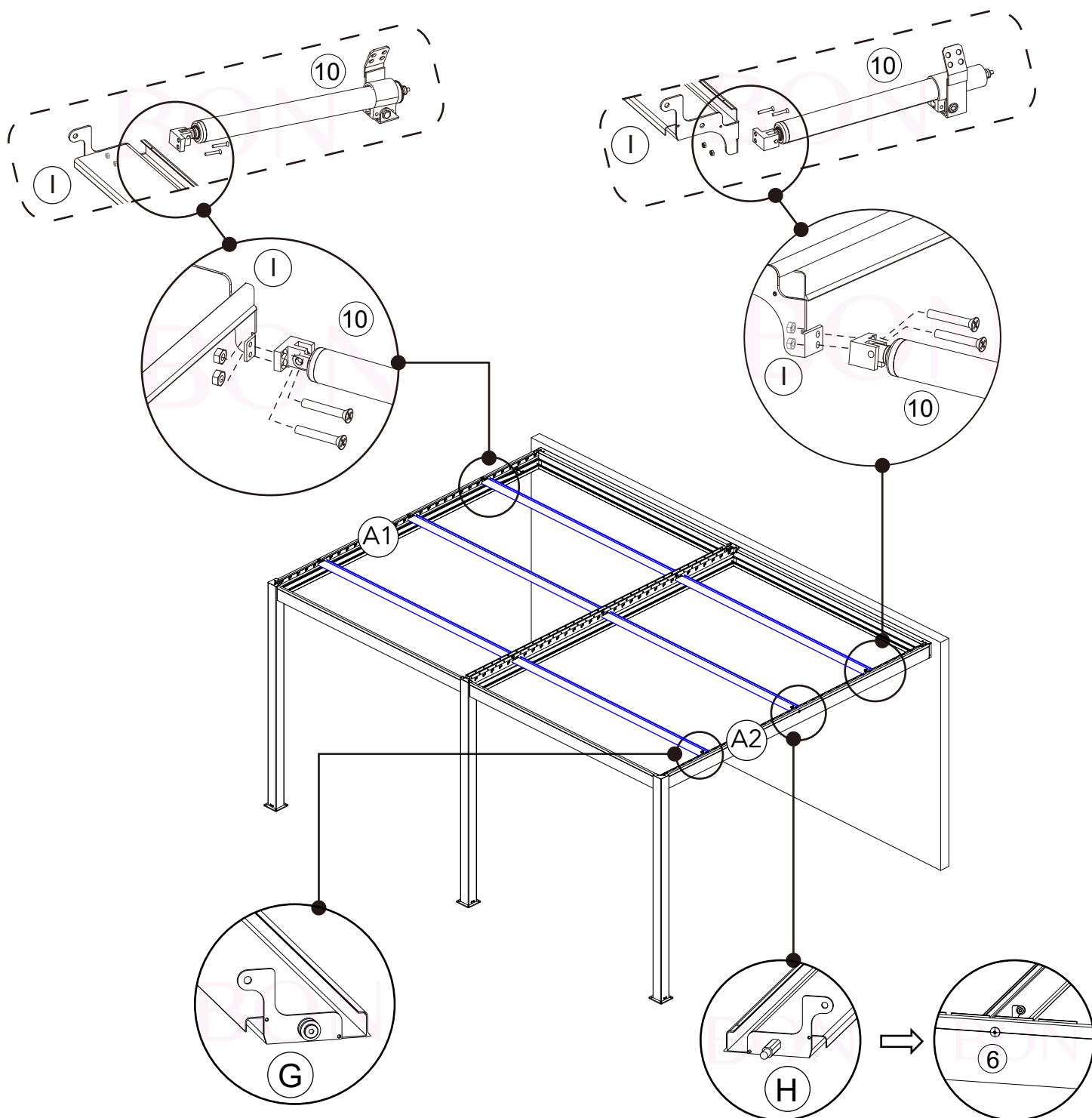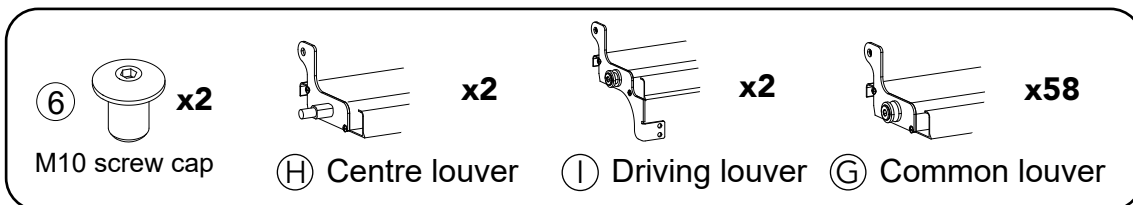
Step 12

Fix ⓙ x 4 (flat L-shaped aluminum profile).
One for each other of the slats is required.

Use bolt ⑦ x124, plastic spacer ⑧ x124 and nut ⑨ x124 to tighten for 600X400cm size.
Secure the louvers at each end.
***NOTE:
  1. Do not over tighten. If over tighten, louver will not move and possibly damage the louver driver component. Please test the louvers are rotatable by hands smooth and easy to confirm it's not over tighten.
  2. Please make sure the Nylon Washer is in between the J and Louver End Cap.

⑦ x124	⑧ x124
M8x20 Hexagon bolt	Plastic Spacer
⑨ x124	ⓙ x2
Locking nut	Connecting rod

BON PERGOLA
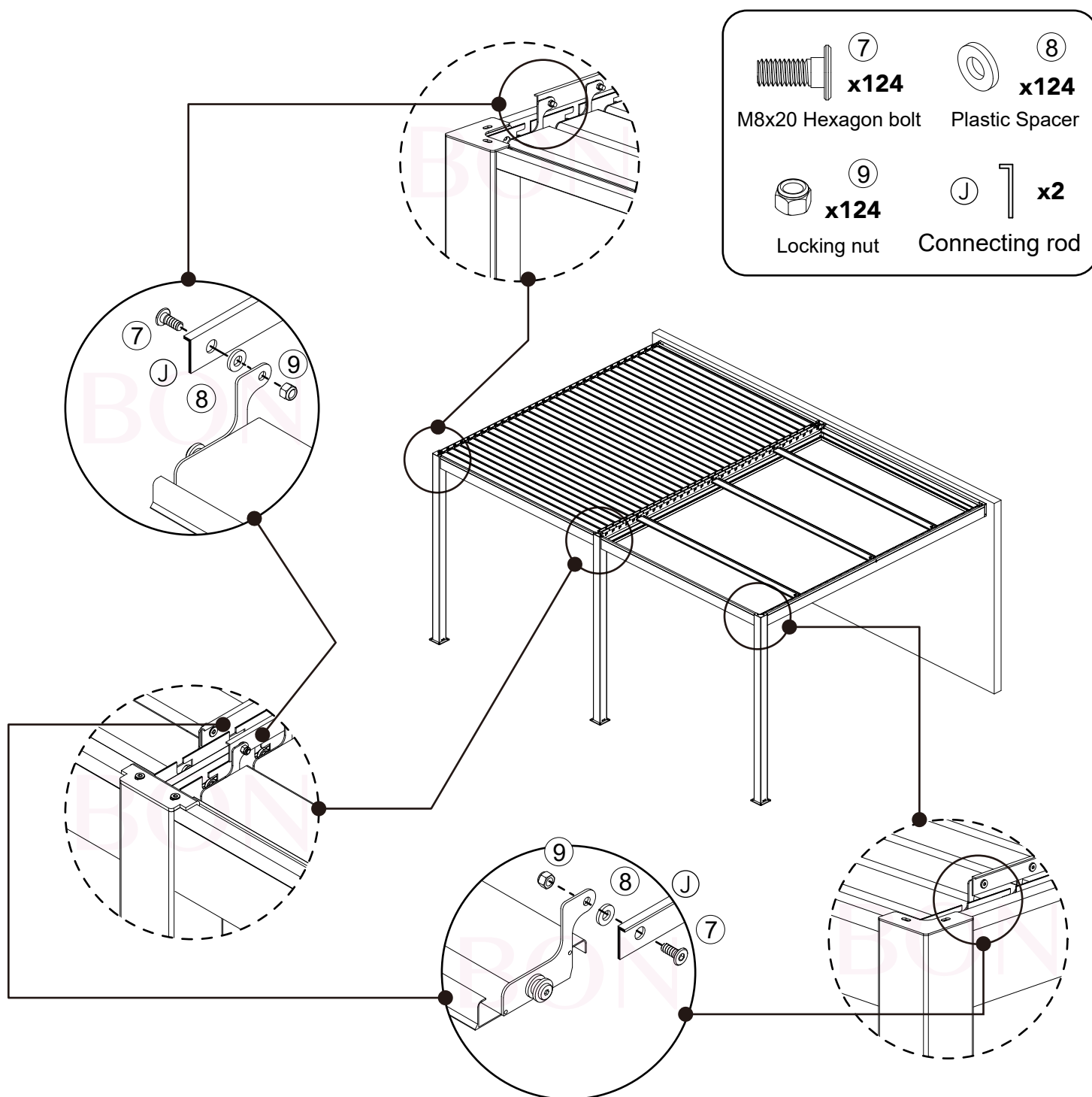
Step 13

*Check for diagonal distance in between the posts L1~L4 and K1~K4 are equal.
*Please note, this step is very important to ensure the pergola are in a rectangle shape in any angle.
 It's extremely important if you are installing a screen before anchor the pergola down or afterward.

K1

L1

K2

L2

K3

L3

K4

L4

K5

K6

Wall

K

K

K

L

L
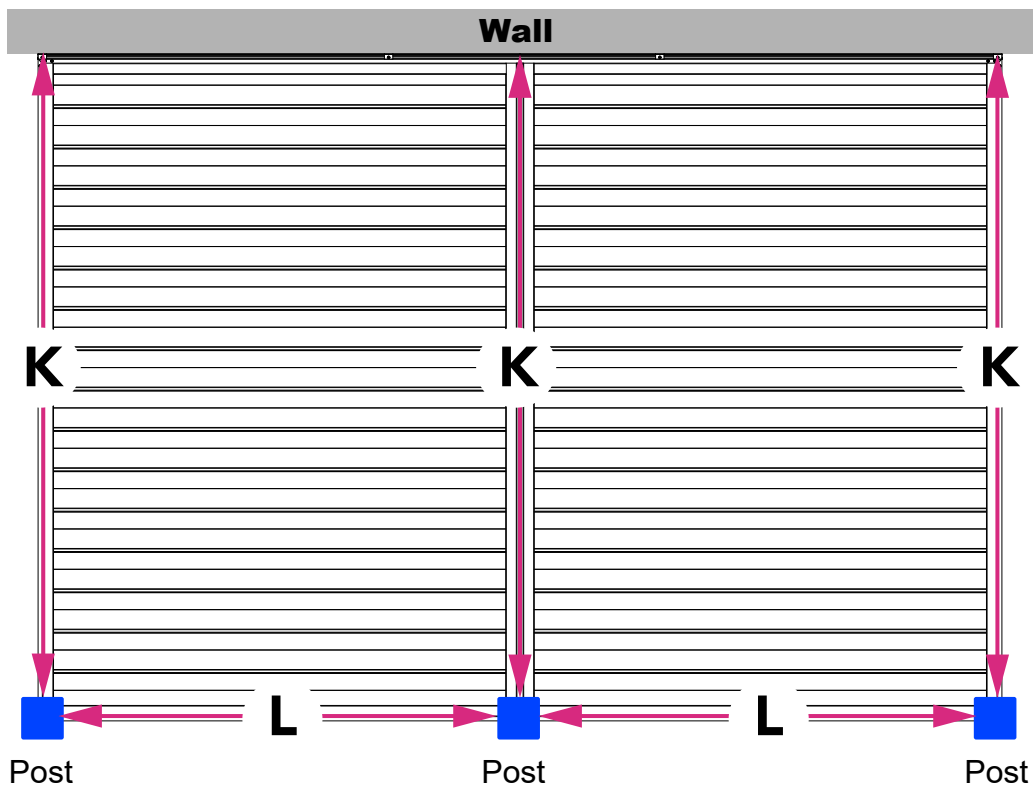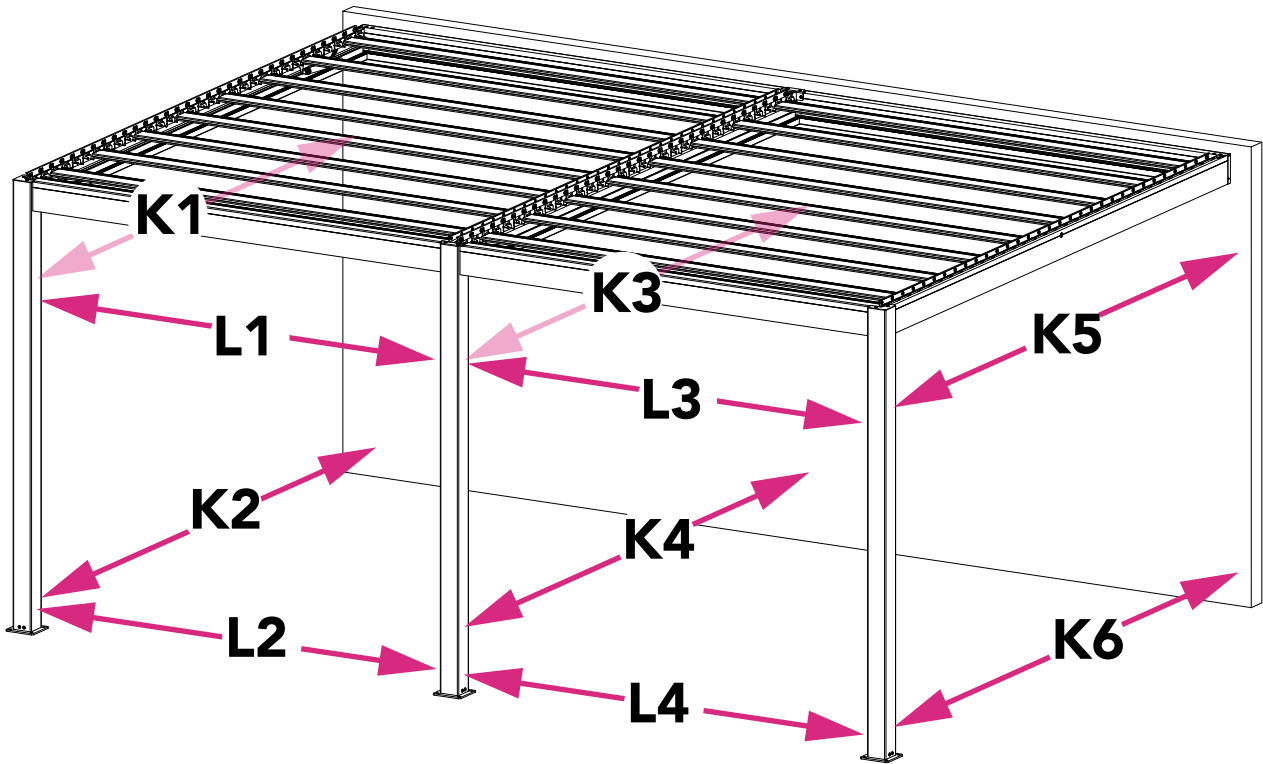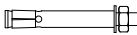
Post

Post

Post

Step 14

Mark holes for Wedge Anchor/Bolt (18) x12 for each post
Note the drill size should be 12 mm.
Insert the bolts. Use a hammer drill if necessary. Place the posts
over the bolts. Tighten the nuts.
Once installed, make sure any remaining plastic is removed and silicone is used
along all corners and gutters to be waterproof.

(18) ▭ **x12**

M10X100 expansion bolt

(18) x4
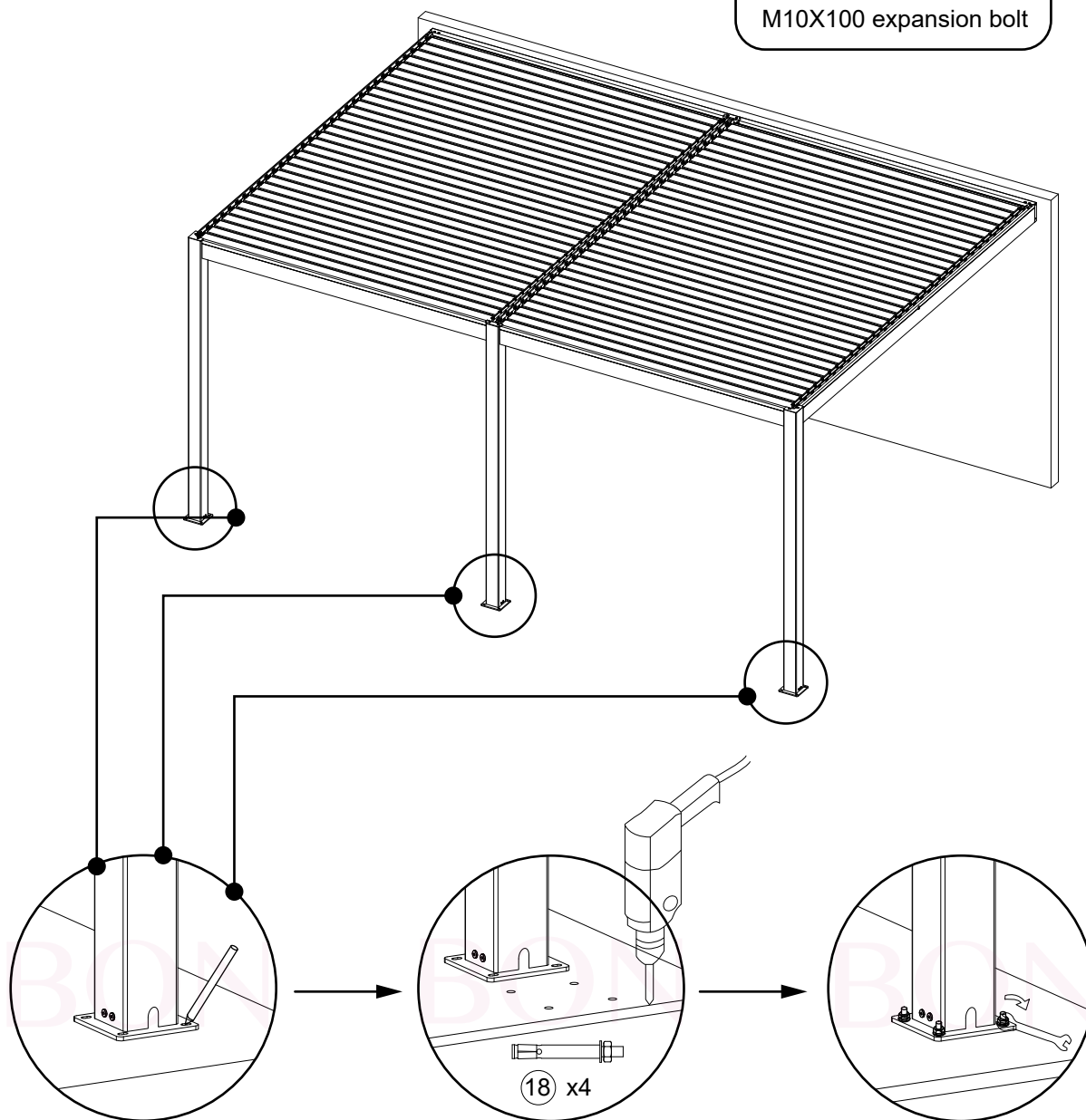
IMPORTANT NOTE:

If you order the screens, please anchor down the pergola to the ground AFTER
installing the screens onto the pergola as it might require minor adjustment to
make screens fit perfectly.

WARNING:

Make Sure louvers are open during periods of mild to strong winds to avoid damage overtime

BON PERGOLA

Motor set up

1.Function and Features

※ 86mm*86mm, in accordance with international installation standard;
※ The electric structure is partial conformity with the standard fire protection requirement of the electrician;
※ Industrial grade microcomputer chip is used to improve product quality and reliability greatly;
※ Use shock-proof current relay;
※ Components using precision SMT industry, surface moisture-proof treatment;
※ Power supply has safety protection, power supply time is 5 minutes;
※ It is used with various emiters and tubular motors.

HC-PM03F\D-T1
① Motor: Up button
② Motor: Stop button
③ Motor: Down button
④ Light bulb: turn on/off button

HC-PM03\D-T1
⑤ Motor: Up button
⑥ Motor: Stop button
⑦ Motor: Down button
⑧ Light bulb: turn on/off button

2.Product Parameters

Product name	Remote controller with light control
Product model	HC-PM03F\D-T1
Receiving/ transmitting frequency	433.92MHz
Working temperature	-20℃~+85℃
Receiving sensitivity	-110dBm
Allowed number of transmitters	≤8pcs

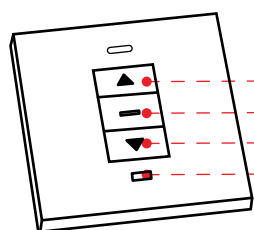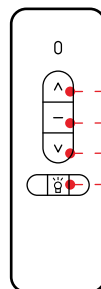| Product name	Remote controller with light control
Product model	HC-PM03\D-T1
Receiving/ transmitting frequency	433.92MHz
Working temperature	-20℃~+85℃
Receiving sensitivity	-110dBm
Allowed number of transmitters	≤8pcs

3.Operating Instruction

A. Learning code

3-3
When the motor keeps beeping "dididi"

5 seconds

3-4
Press the "up button" of the remote control once and hear the beep of the motor, and the code matching is successful

3-1
Must unplug over 10 seconds before plug in

3-2
Within 7 seconds after plug in or power on
Open the back cover of the remote control and press and hold the code key for more than 5 seconds with a fine needle.

B. Deleting code

3-3
When the motor keeps beeping "dididi"

5 seconds

3-4
Press the "down button" of the remote control once and hear the beep of the motor, and the code matching is successful

20

BON PERGOLA

Dismounting

If you want to disassemble the Pergola, please follow the following process.

Attention! At least two people are needed for this step.

- Keep the Pergola louvers open before you begin with dismounting. Bind the Louvers
  of the Pergola together to avoid unintended unfolding. This might cause damage and injury.
  You can use the protection band that was fixed on the Pergola when purchasing it.
- Follow the mounting instructions in reversed order to dismount the Pergola.
- Make sure that drilling holes in the wall will be sealed professional.
- **Attention! Safety hints and instructions have to be followed for dismounting as well.**

Storage

When you do not want to use the Pergola for a longer period of time it is recommended to
take the Pergola out of the brackets and store it.

- Make sure that the frame is dry completely before storing.
- Store the Pergola at a dry and safe place that is not reachable for children.

Disposal

Do not dispose this Pergola with other household wastes. To prevent possible harm to the
environment or human health from uncontrolled waste disposal, recycle it responsibly to
promote the sustainable reuse of material resources. To return your used device, please
use the return and collection systems or contact the retailer where the product was purchased.
They can take this product for environmentally safe recycling. Dispose packing materials according
to local guidelines.