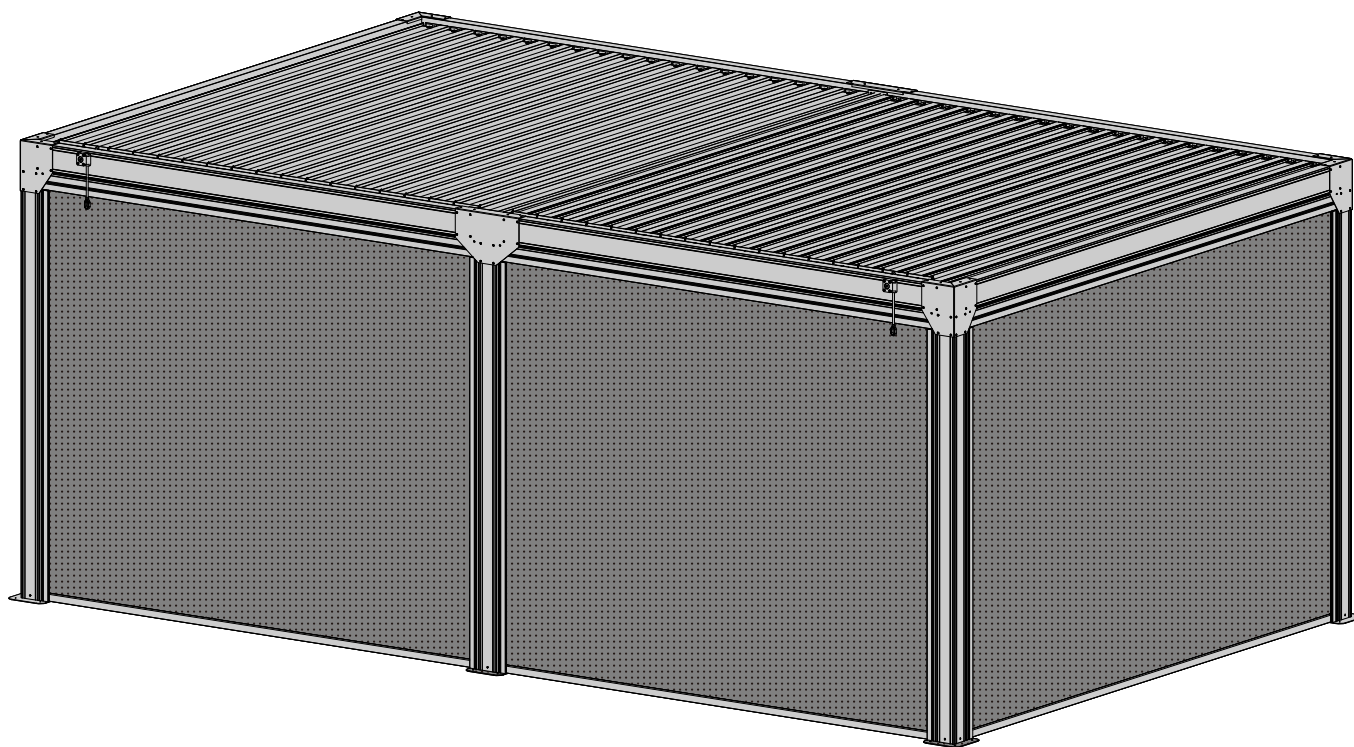




12' x 16'

SKU: XWG-273-3

Aluminum Pergola

Assembly Manual

Important Notice:

- 1、 *Please keep this manual for future reference and read it carefully before assembly. Ensure you have all the parts and hardware as shown in the project checklist.*
- 2、 *Missing Parts: If any parts are missing, please contact us with the specific letter of the missing item(s).*
- 3、 *It is recommended that four adults to install your pergola.*
- 4、 *Some parts may have sharp edges or corners, please follow basic safety precautions to reduce the risk of injury.*
- 5、 *The louvered pergola must be placed on level ground.*
- 6、 *Need Assistance? If you have any questions about installation or after-sales support, please don't hesitate to reach out.*
- 7、 *Check all bolts for tightness before use and regularly thereafter to ensure the normal operation of the pergola.*
- 8、 *This product contains small parts that may pose a choking hazard to children. Keep away from children under 3 years old and pets.*

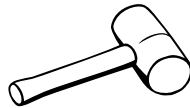
Pre-assembly

TOOLS THAT MAY BE REQUIRED (Not included in boxes)

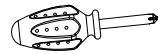
*NOTE: Tools / equipment are not shown to actual size and scale.



LEVEL



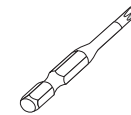
RUBBER Mallet



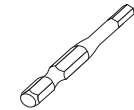
PHILLIPS SCREW



DRILL



ALLEN KEY



ALLEN KEY

EQUIPMENT REQUIRED (Not included in boxes)

*NOTE: Equipment are not shown to actual size and scale.



SAFETY HAT



GLOVES



SAFETY GOGGLES



STEPLADDER

Matters needing attention



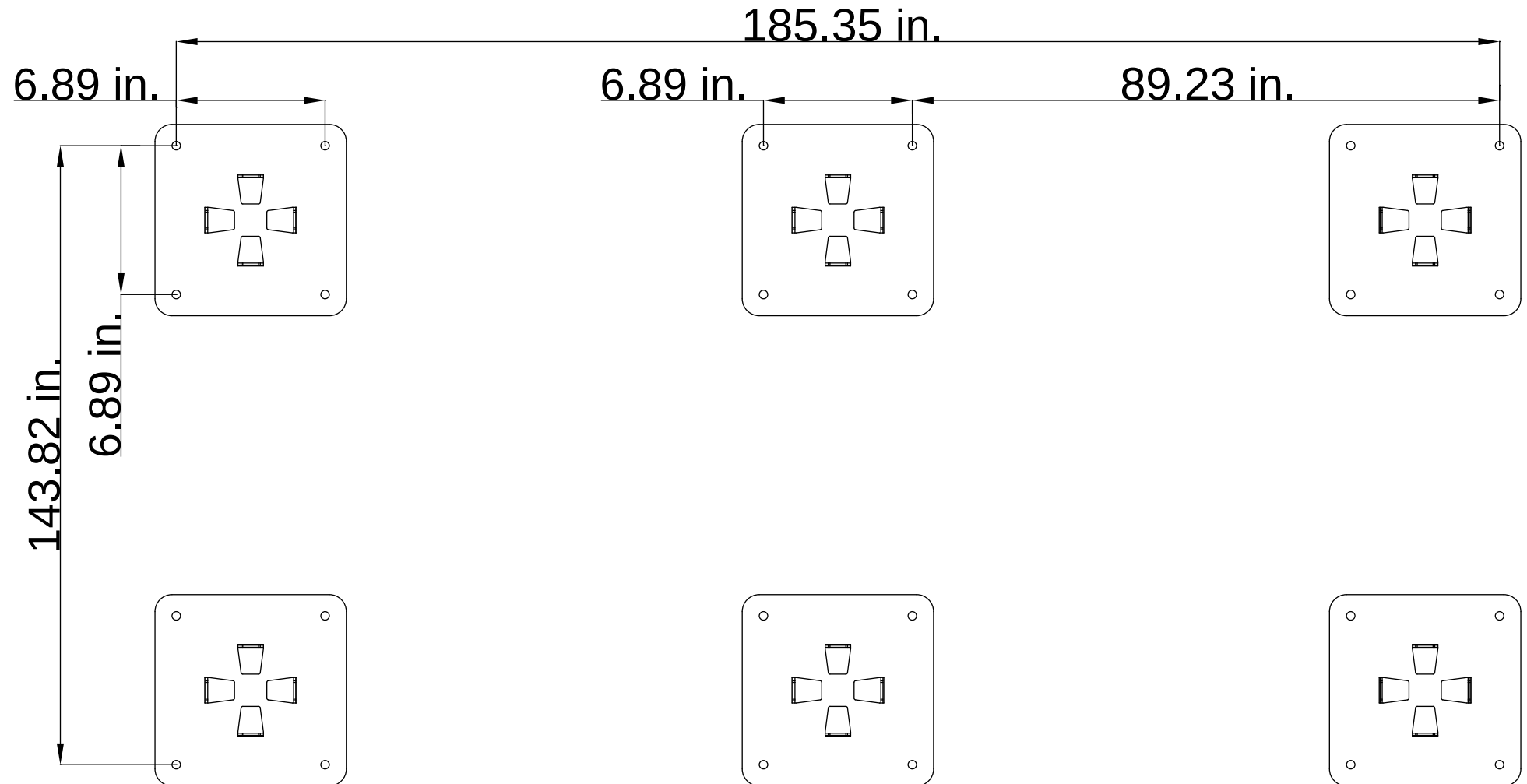
1. Four or more people are required for assembly.



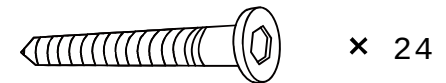
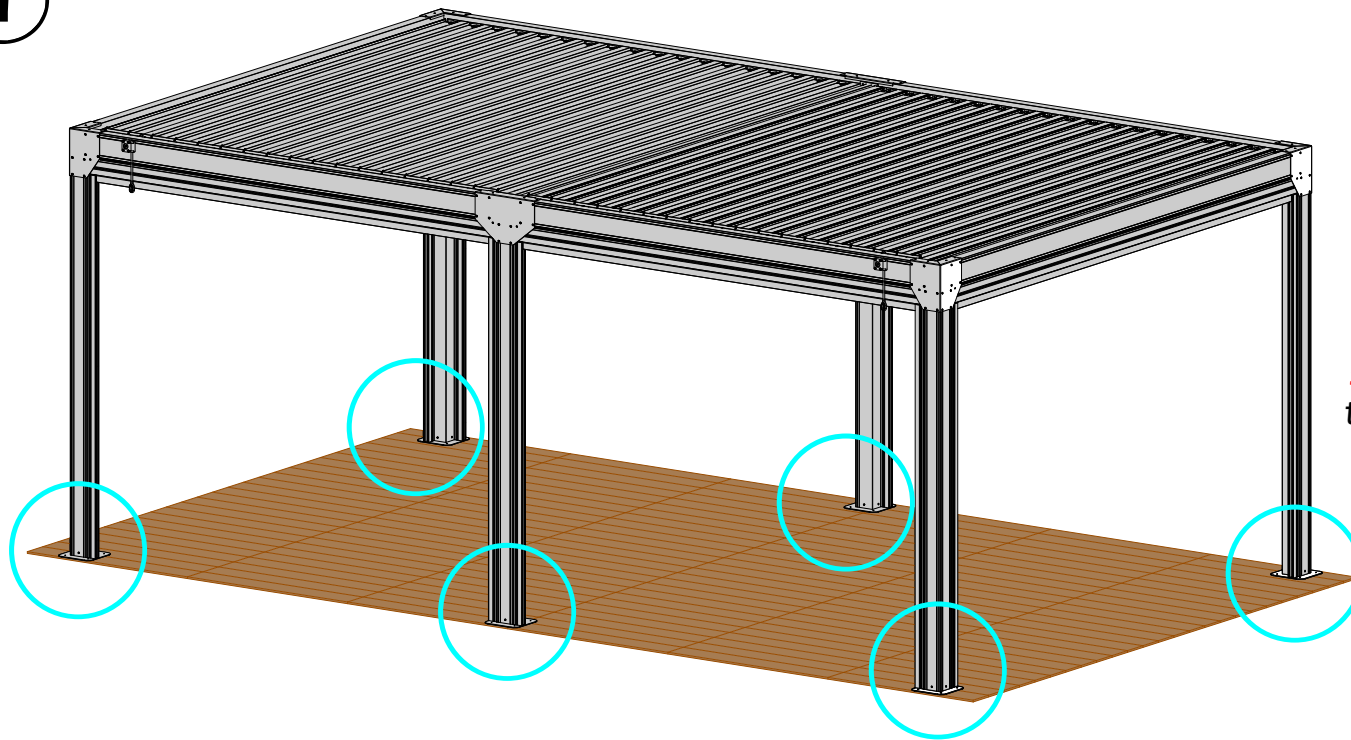
2. Do not fully tighten screws prior to complete assembly.

MOUNTING BLUEPRINT

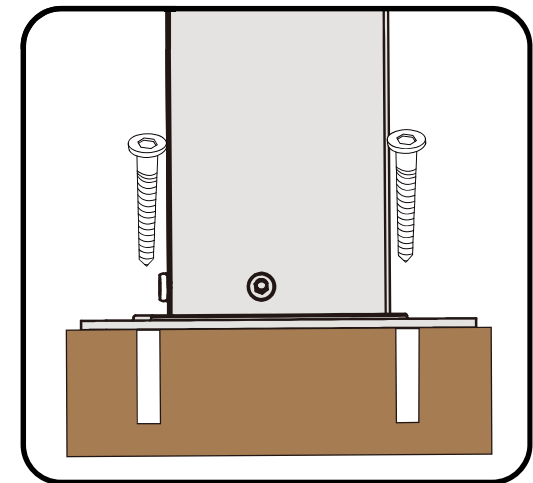
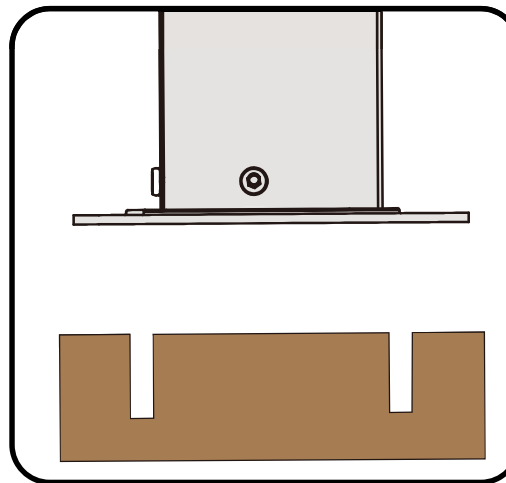
Pergola 12' x 16'



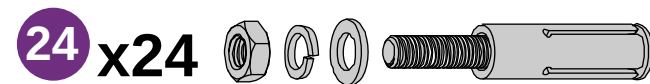
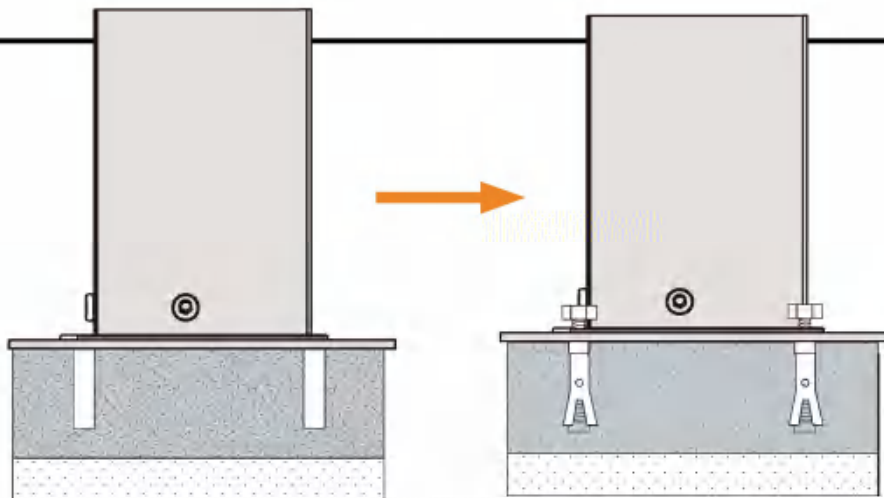
1



If the deck is hard wood and the depth of it is over 3 inch, you can use **5/16 in.x4 in. Structural Wood Screw** to mount the Pergola.

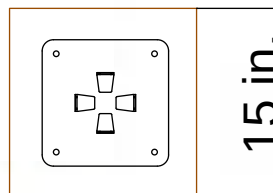
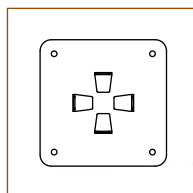
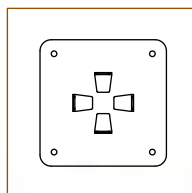


2

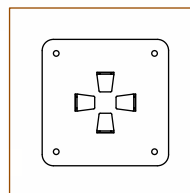
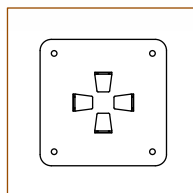
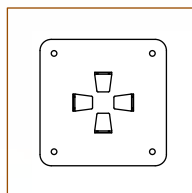


If the ground is concreted and the depth of it is over 3 inch, you can use 1/4 inch expansion bolts to mount the Pergola

3



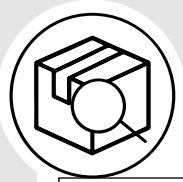
Or you can make a concrete footing for Pergola , **15×15×15 inches** is recommended. Use expansion bolts to mount the pergola like ② shows.

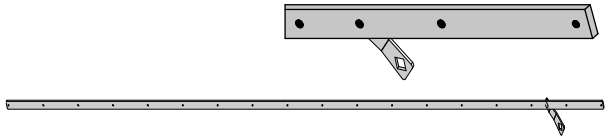
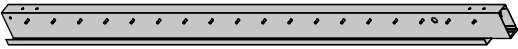
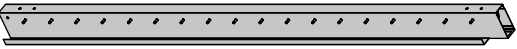


IMPORTANT:
Anchor is not recommended

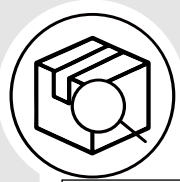


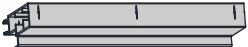
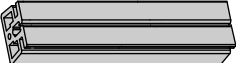
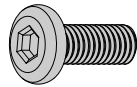
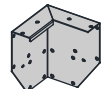
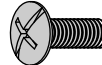
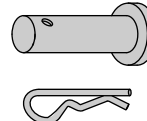
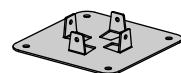
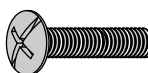
CHECK LIST



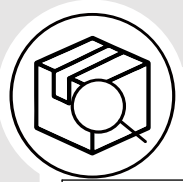
A3 x 2		post 3	B6 x 1		Cross beam
A4 x 4		post 4	C1 x14		Louver 1
B15 x 1		Cross beam 1	C3 x14		Louver 2
B10 x 1		Cross beam 2	D4 x 2		Roll screen 1
B16 x 1		Cross beam 3	E5 x 4		Roll screen 3
B12 x 1		Cross beam 4	E3 x 2		Roll screen 2
B5 x 2		Cross beam 5	F1 x12		Roll screen 4

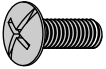
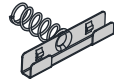
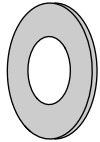
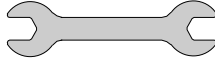
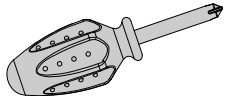
CHECK LIST

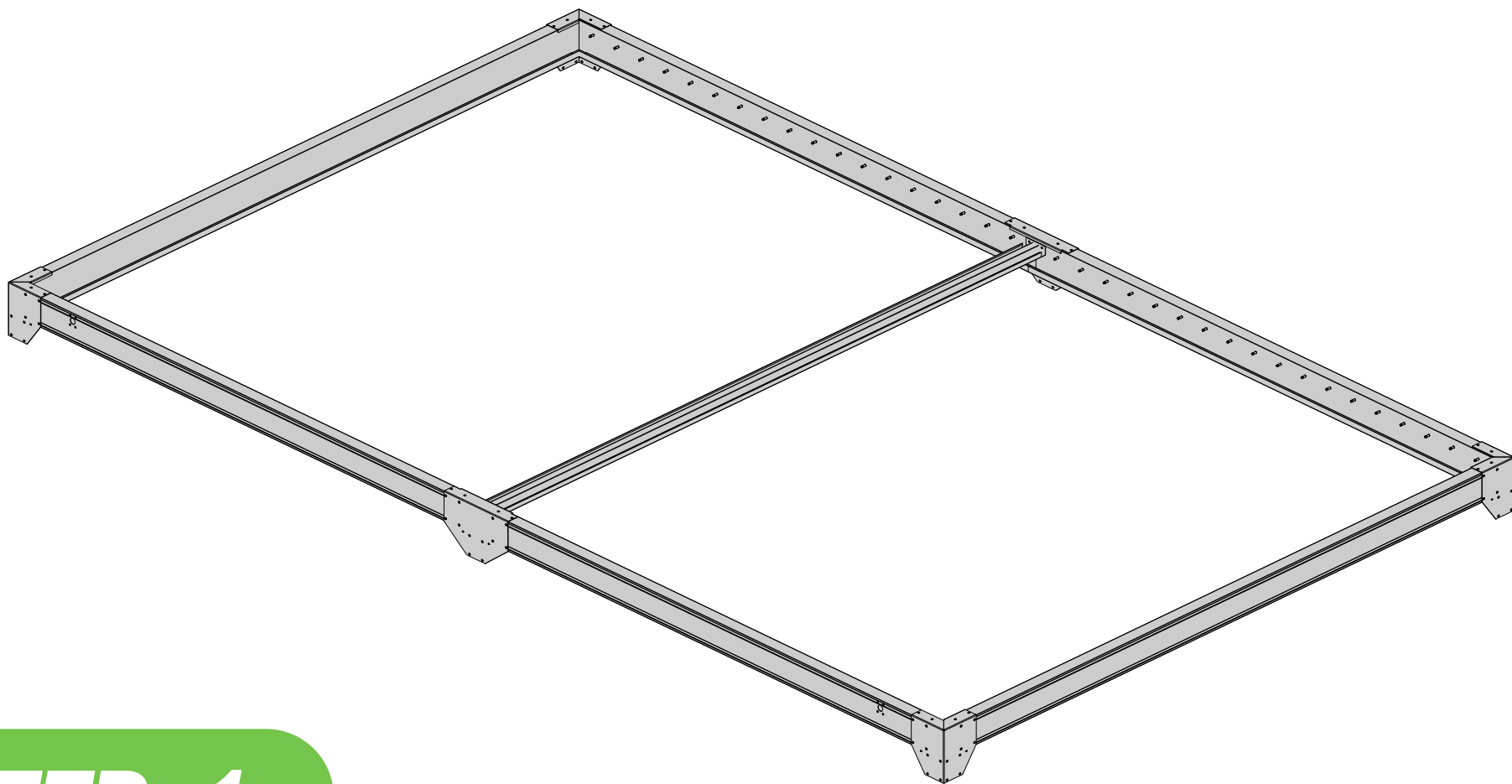


F2 x24 	F3 x12 	1 x140+4  Screw M6*16
G1 x 2 	Corner protector 1	2 x12+2  Screw M4*12
G2 x 2 	Corner protector 2	3 x28+2  Screw Ø5*12
H x 2 		4 x28+2  Screw
J x 6 	Foot Base	5 x72+2  Screw M3.5*45
K x 2 		6 x 8  Screw M6*45
L x 2 		7 x 2  Screw M5*24

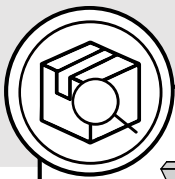
CHECK LIST



8 x 2  Screw M5*10	15 x72+2 	16 x72+2 
9 x 2 	17 x12 	18 x24+2  Screw M3*8
10 x12+2  M4	19 x 1  5mm	
11 x 2  M5*18	20 x 1  6mm	
12 x140+4  M6	21 x 2  4mm	
13 x 2  M20*28	22 x 1  M8	
14 x72+2  Screw M3.5*35	23 x 1 	24 x24 



STEP 1



B10 x 1



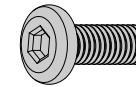
B5 x 1



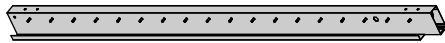
12 x 24



1 x 24



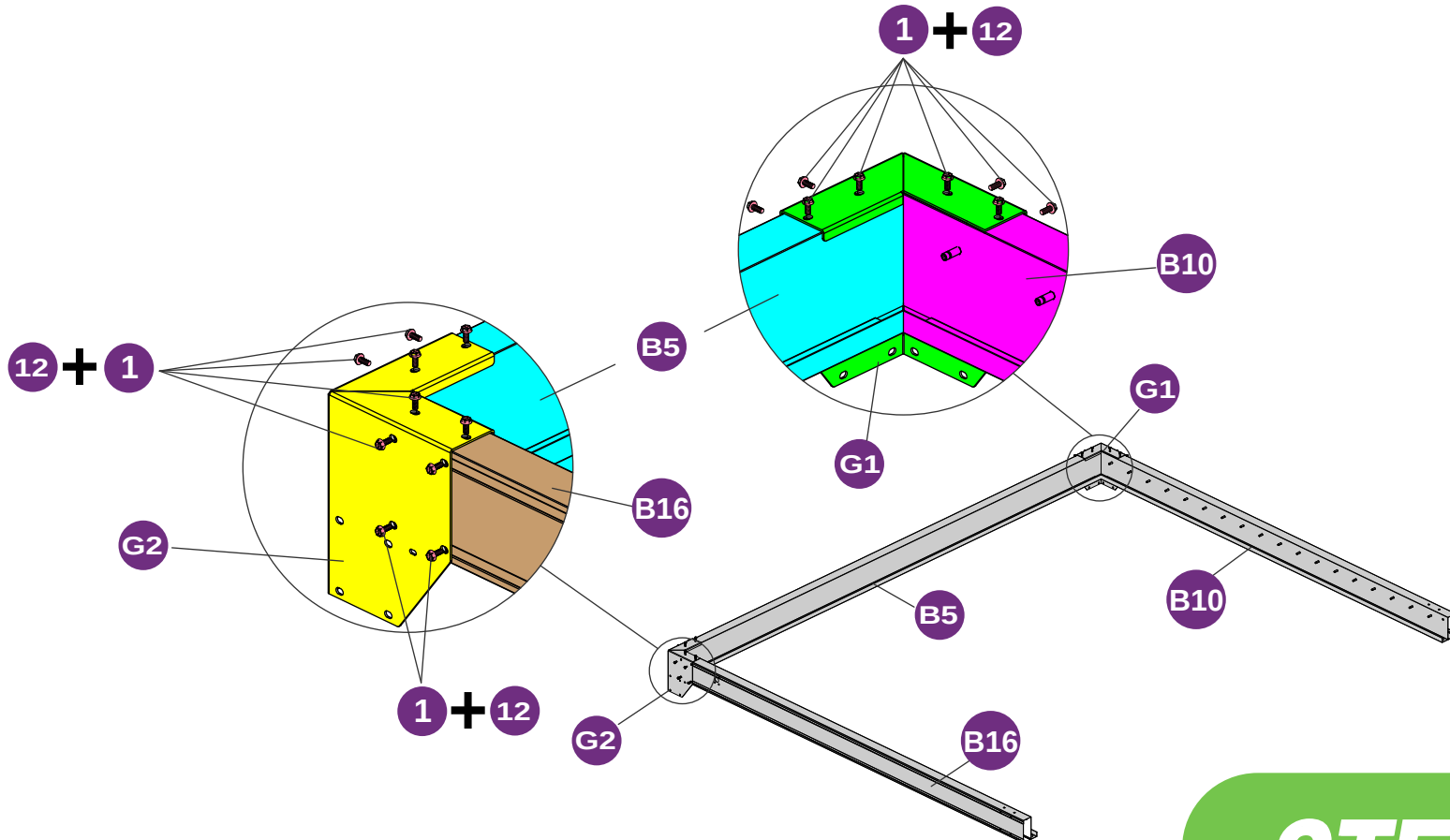
B16 x 1



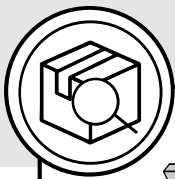
G1 x 1



G2 x 1



STEP 1



B15 x 1



B5 x 1



12 x 24

1 x 24

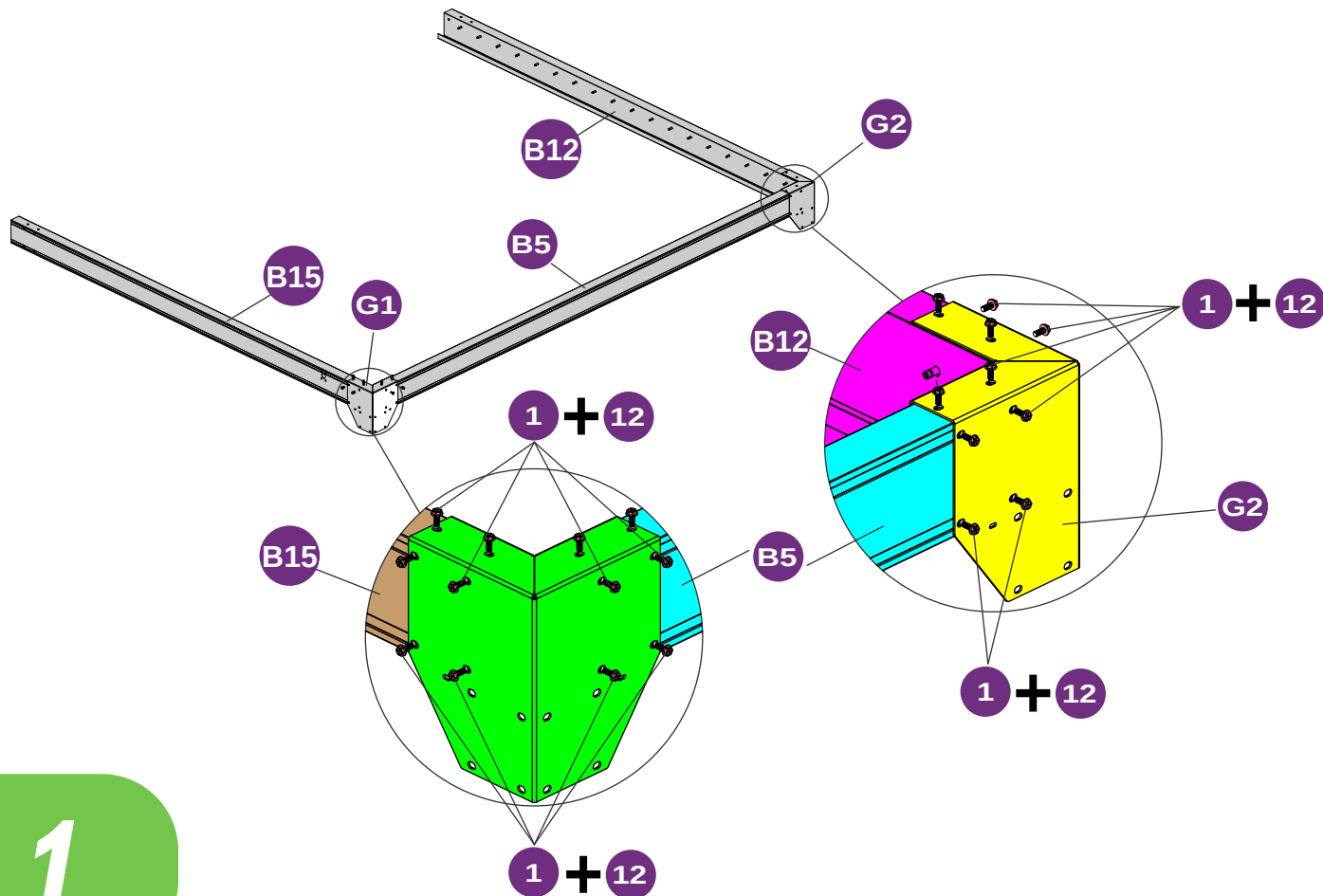
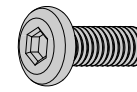
B12 x 1



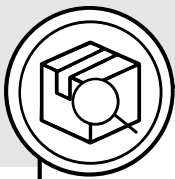
G2 x 1



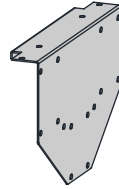
G1 x 1



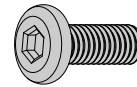
STEP 1



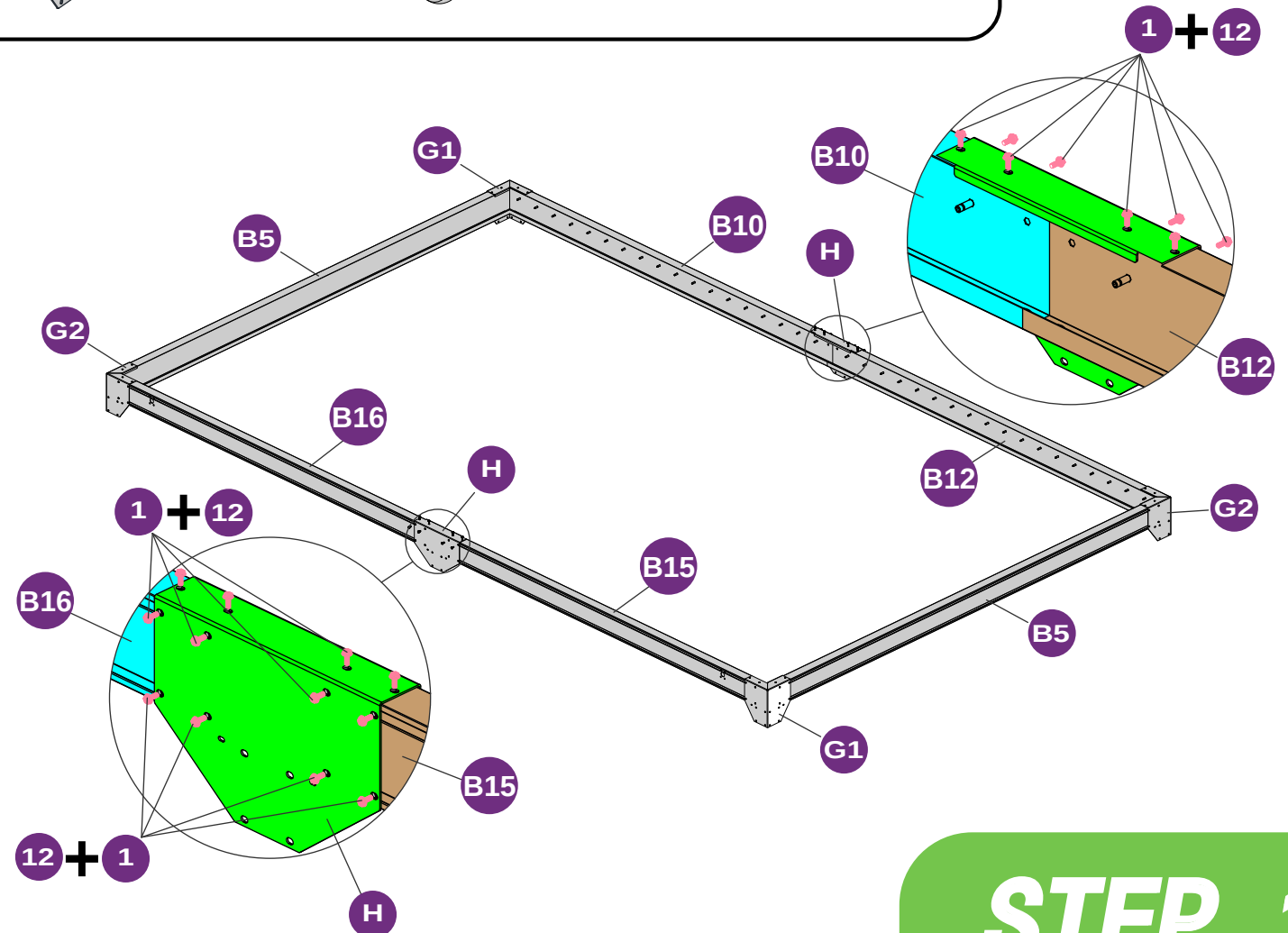
H x 2



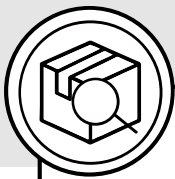
1 x24



12 x24



STEP 1



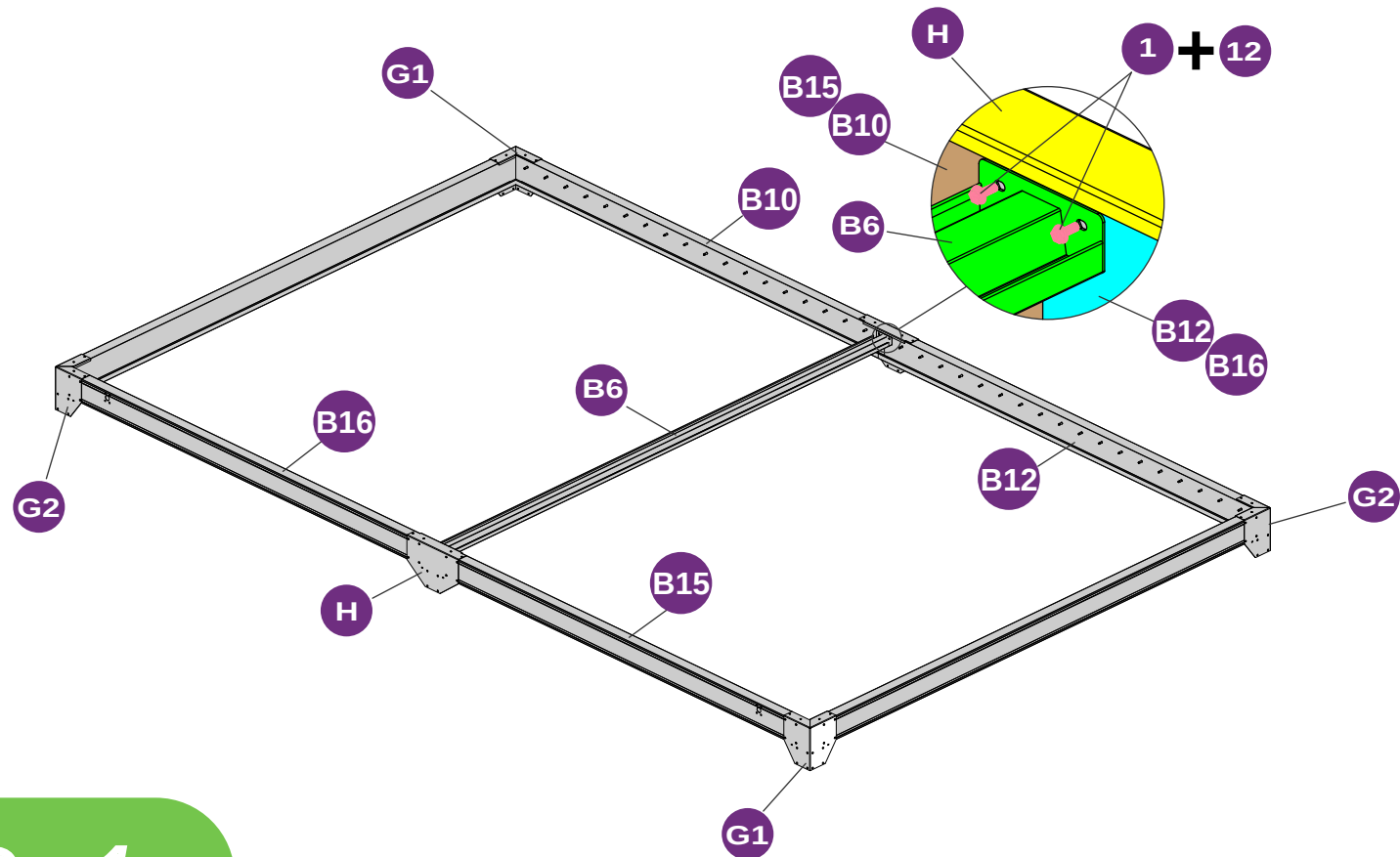
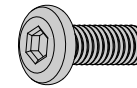
B6 x 1



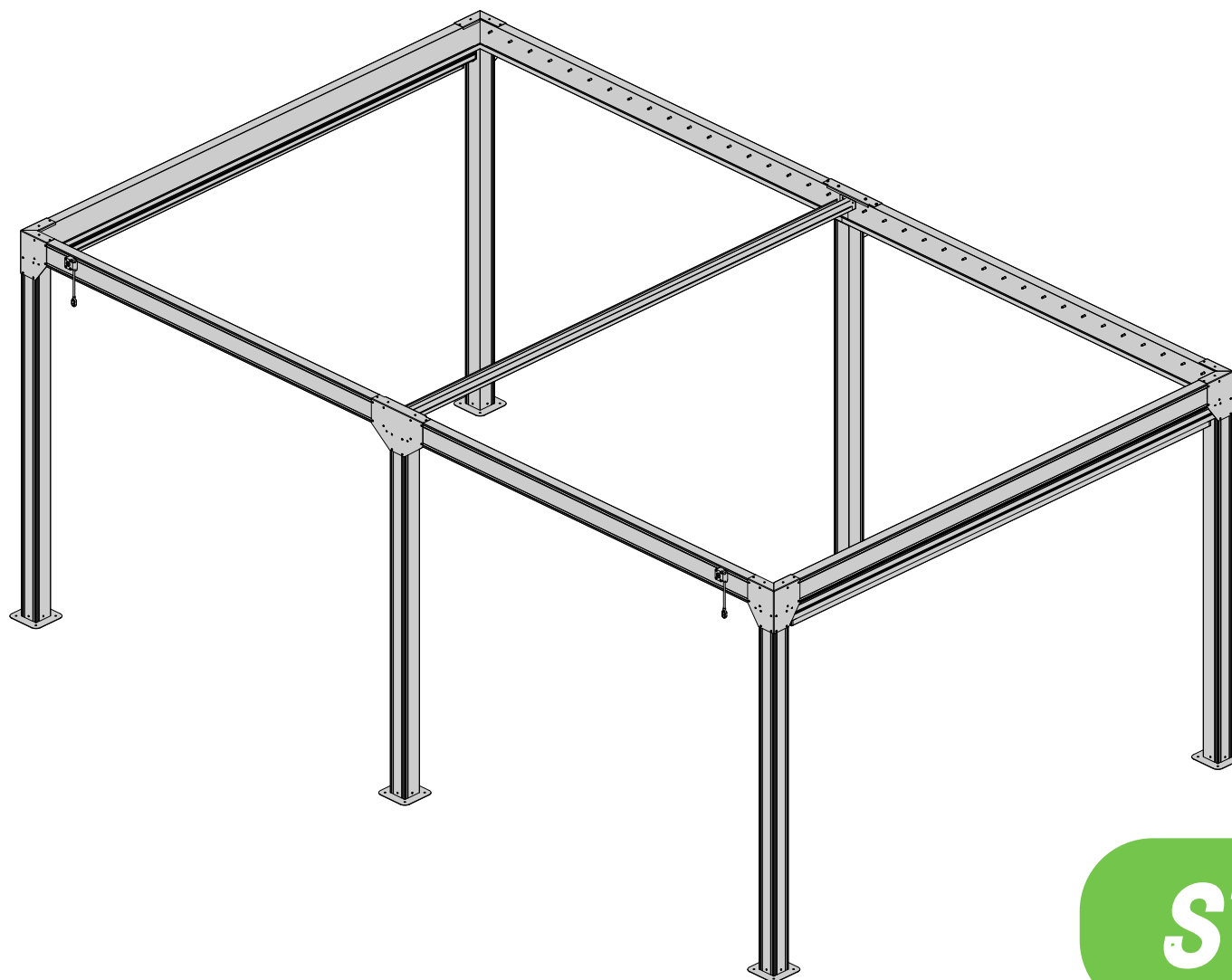
12 x 4



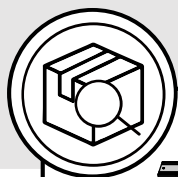
1 x 4



STEP 1



STEP 2



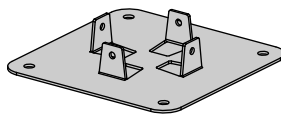
A3 x 2



A4 x 4



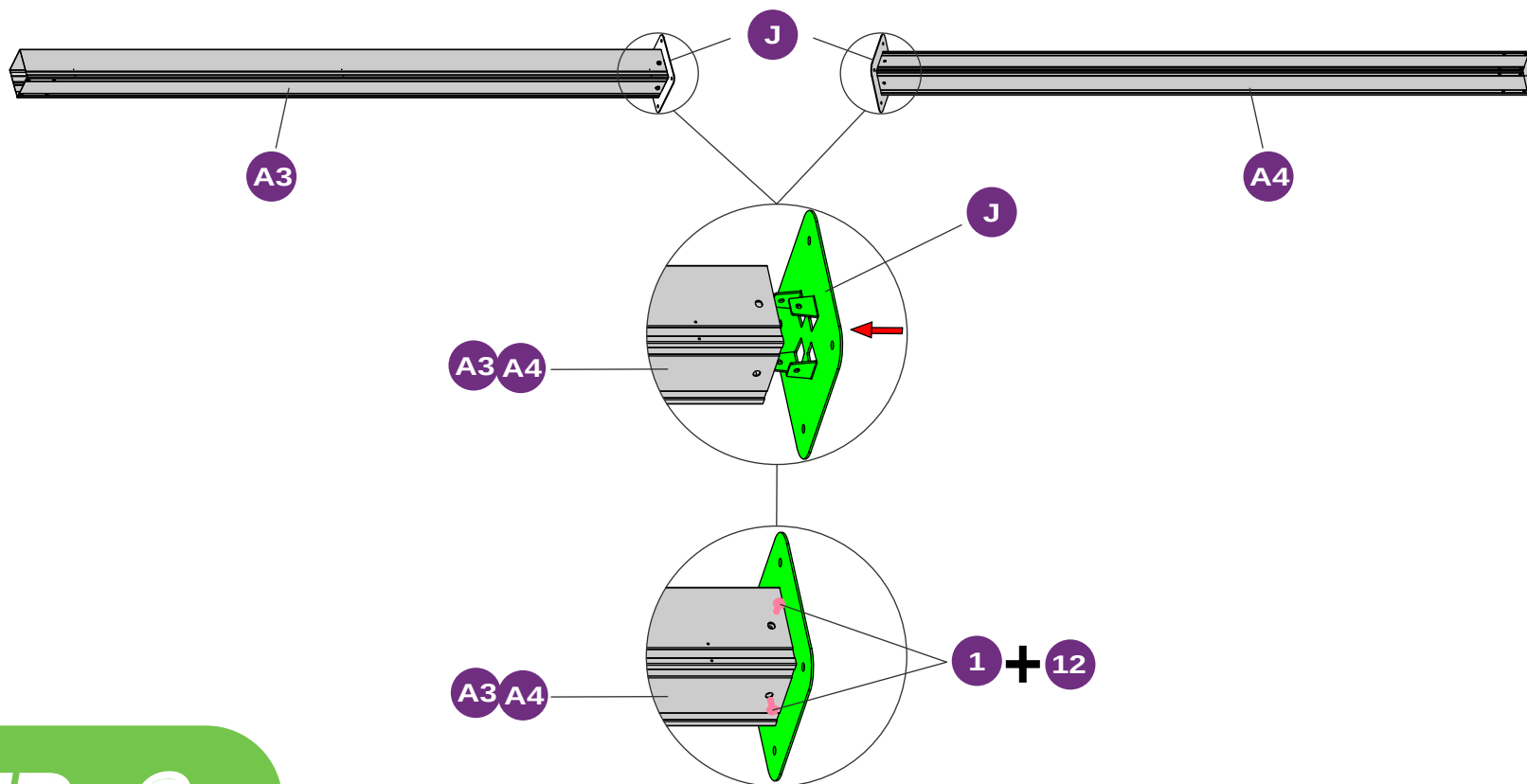
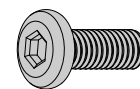
J x 6



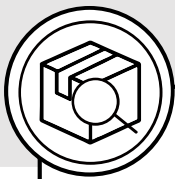
12 x 24

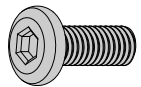


1 x 24

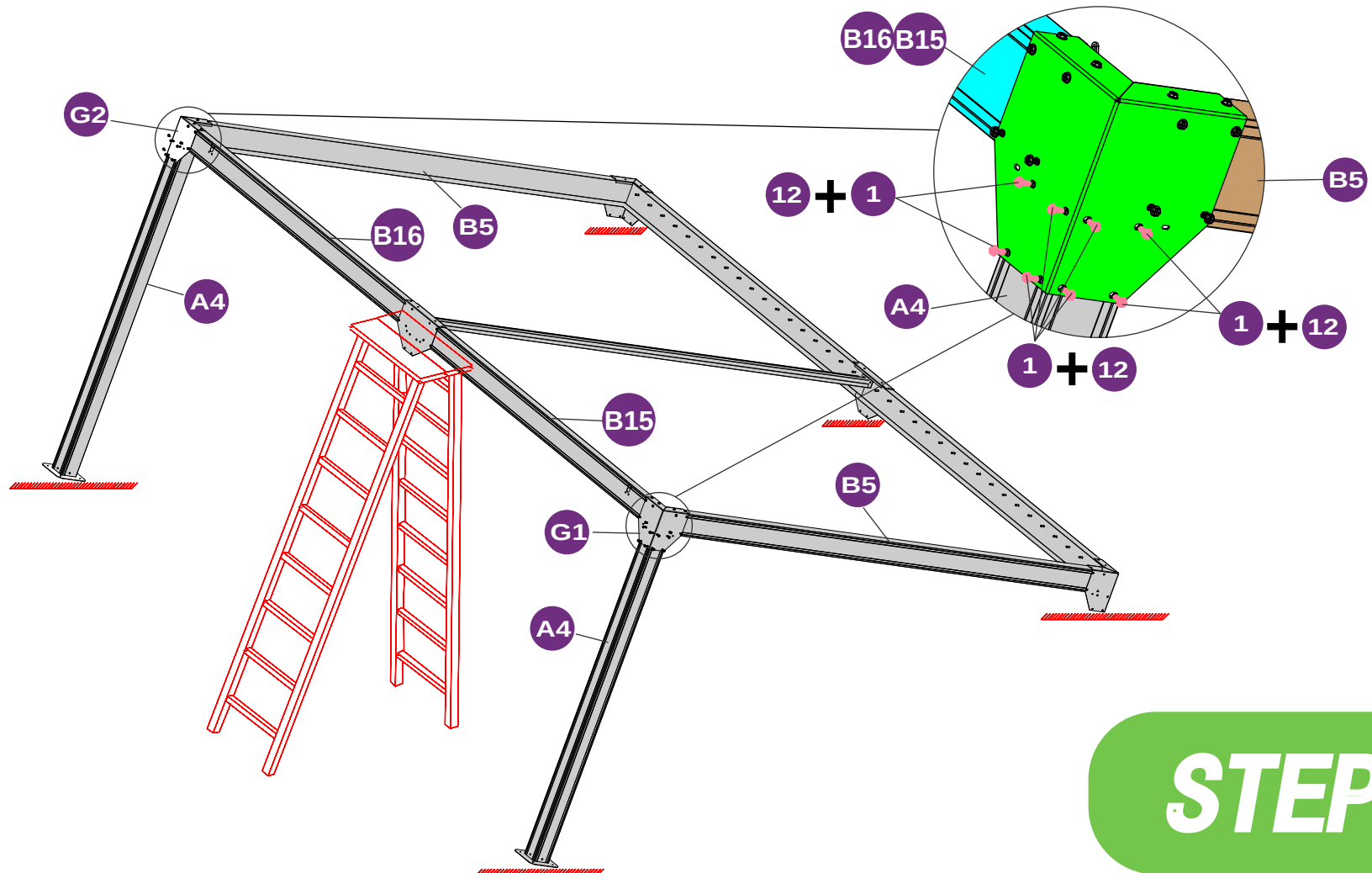


STEP 2

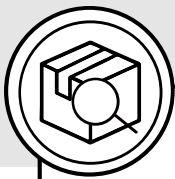


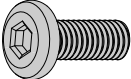
1 x16 

12 x16 

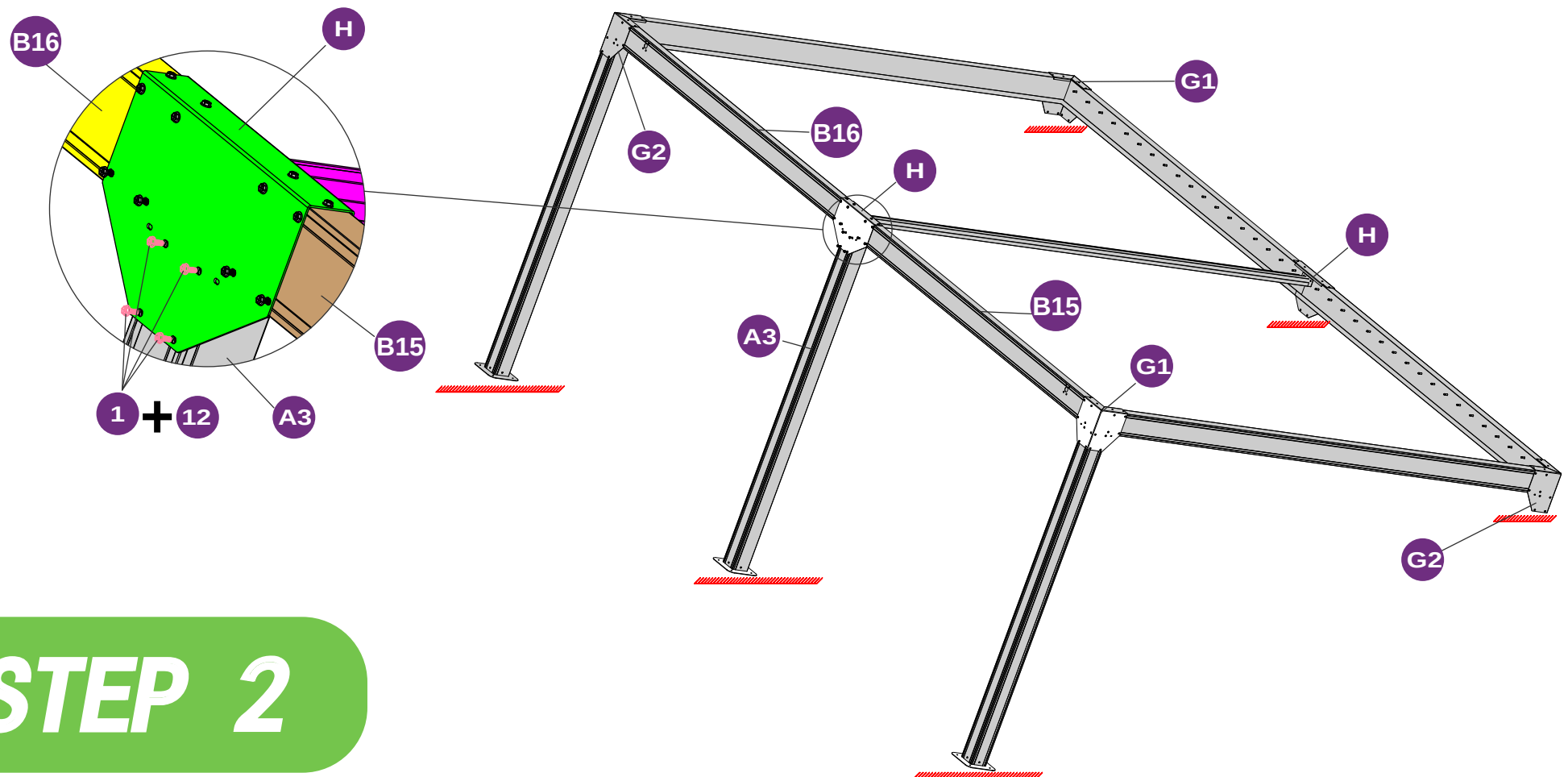


STEP 2

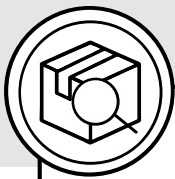


1 x 4 

12 x 4 



STEP 2



E3 x 2



2 x 4

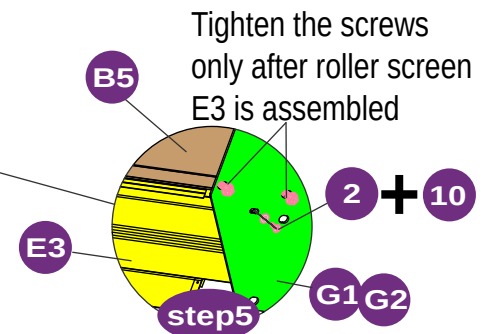
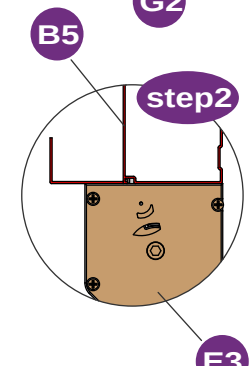
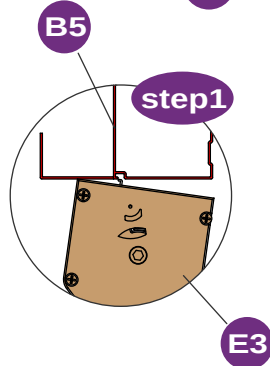
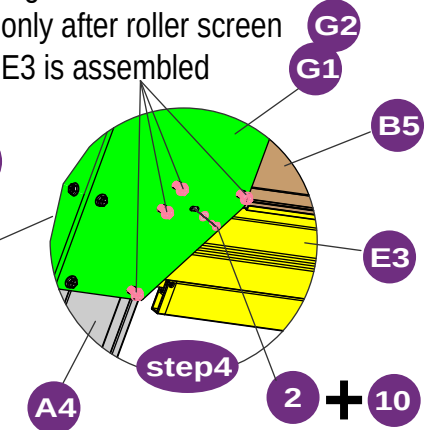
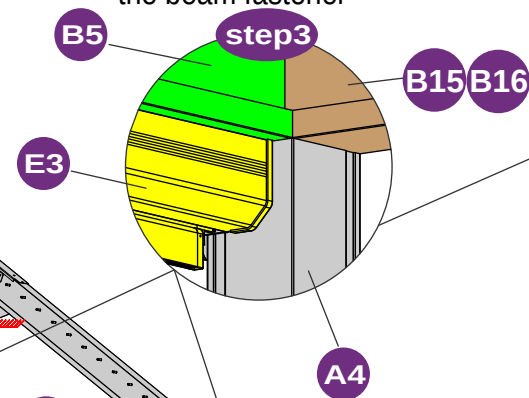
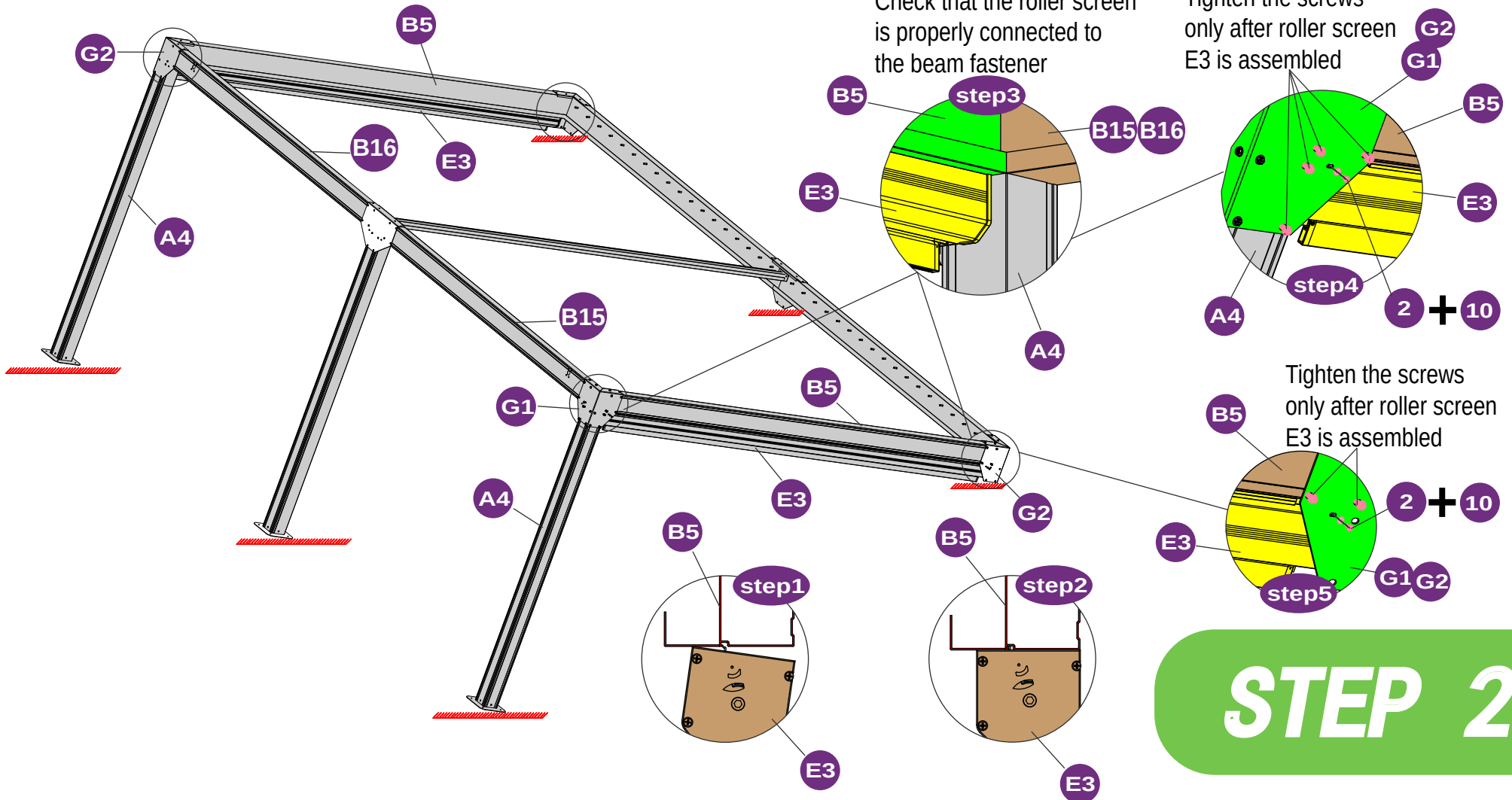


10 x 4

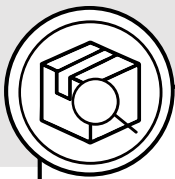


Check that the roller screen is properly connected to the beam fastener

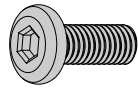
Tighten the screws only after roller screen E3 is assembled



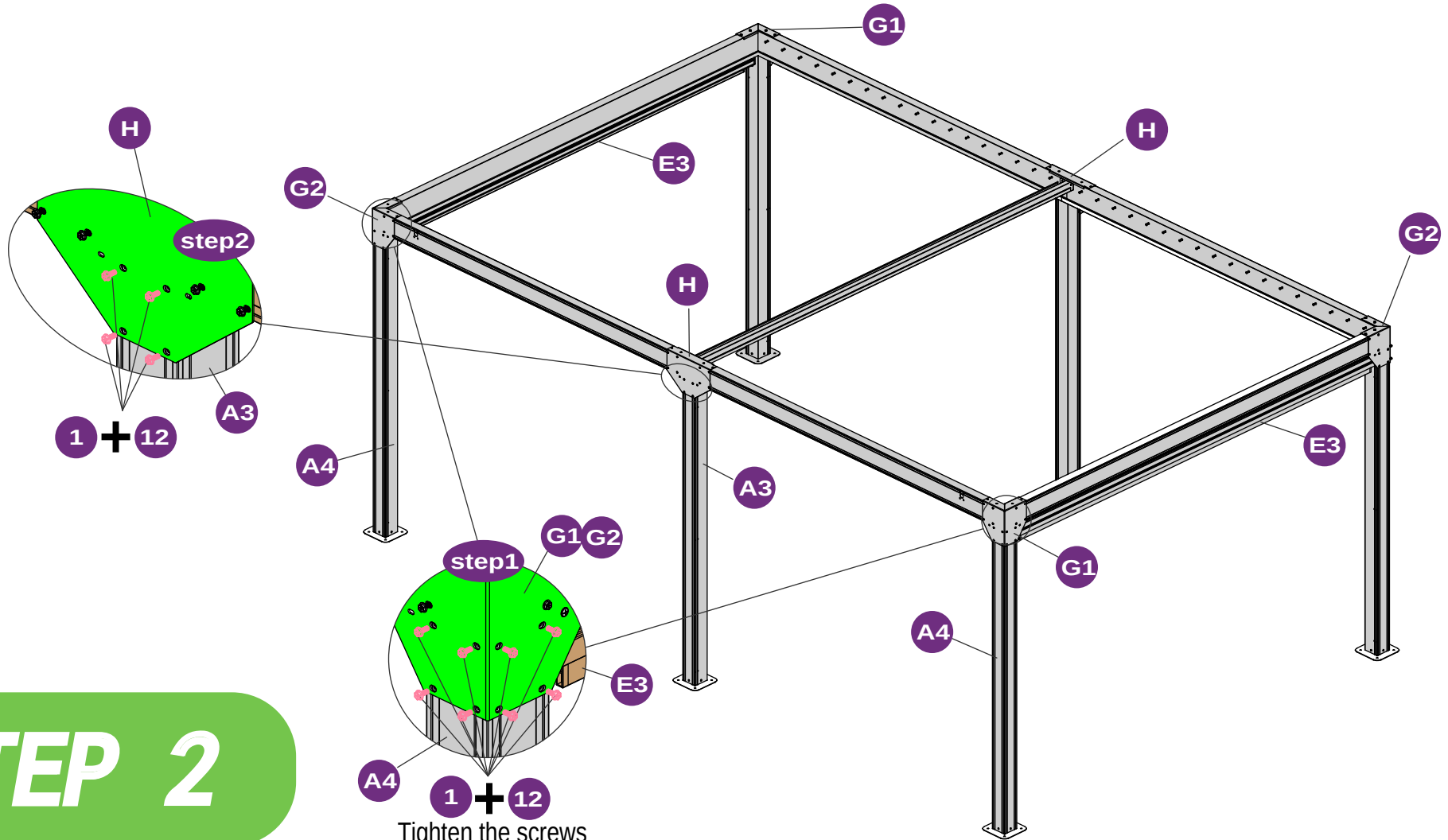
STEP 2



1 x20

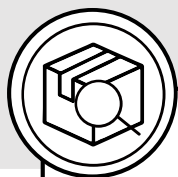


12 x20



STEP 2

Tighten the screws
only after roller screen
E3 is assembled



K x 2

13 x 2

6 x 8

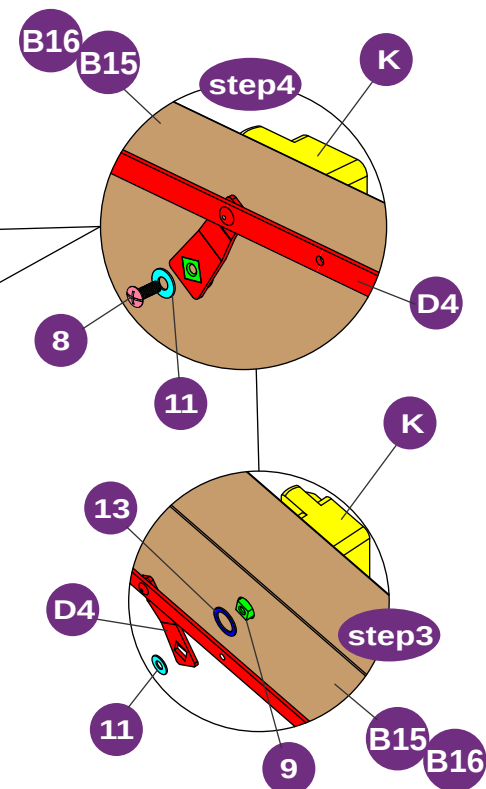
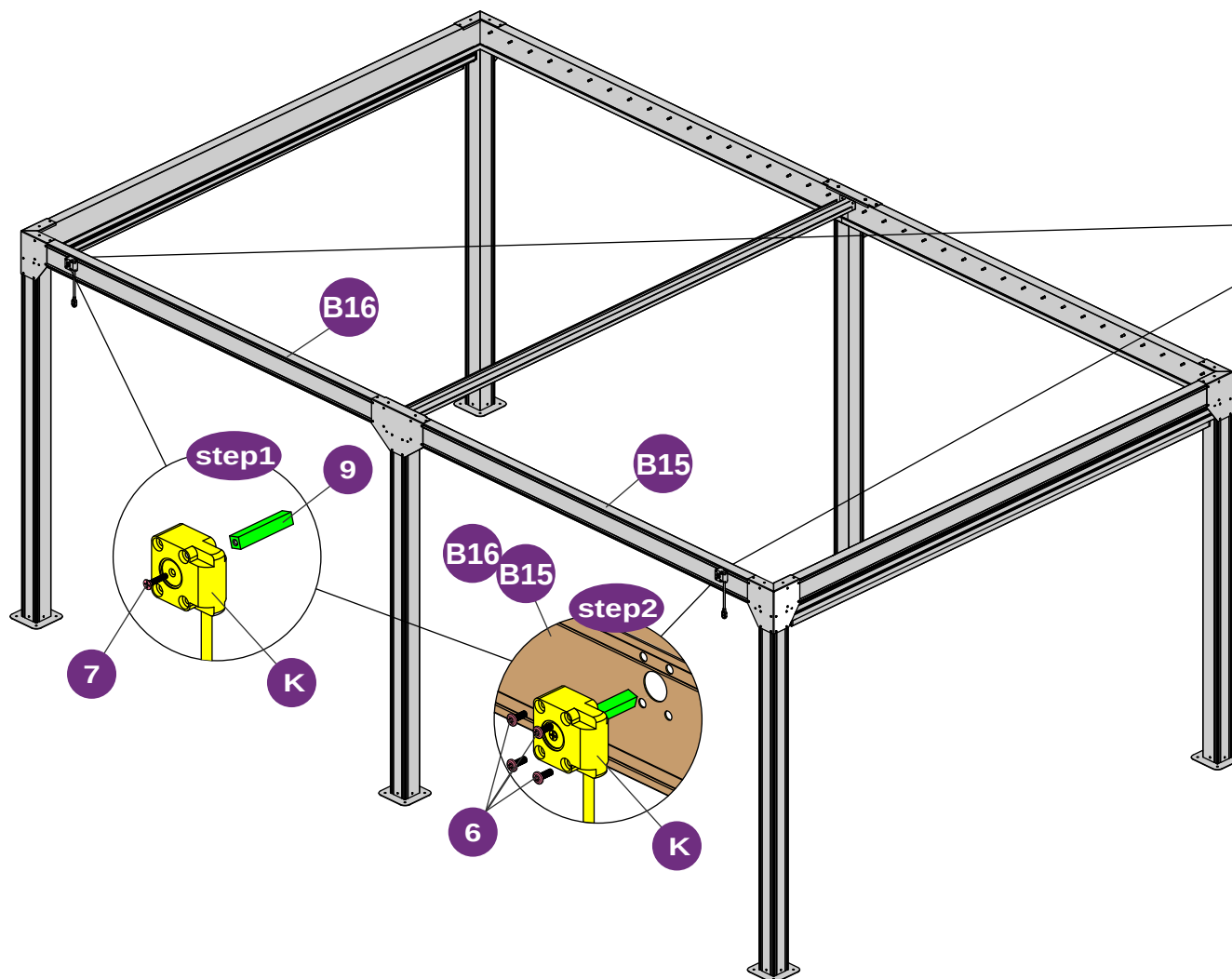
8 x 2

11 x 2

D4 x 2

7 x 2

9 x 2

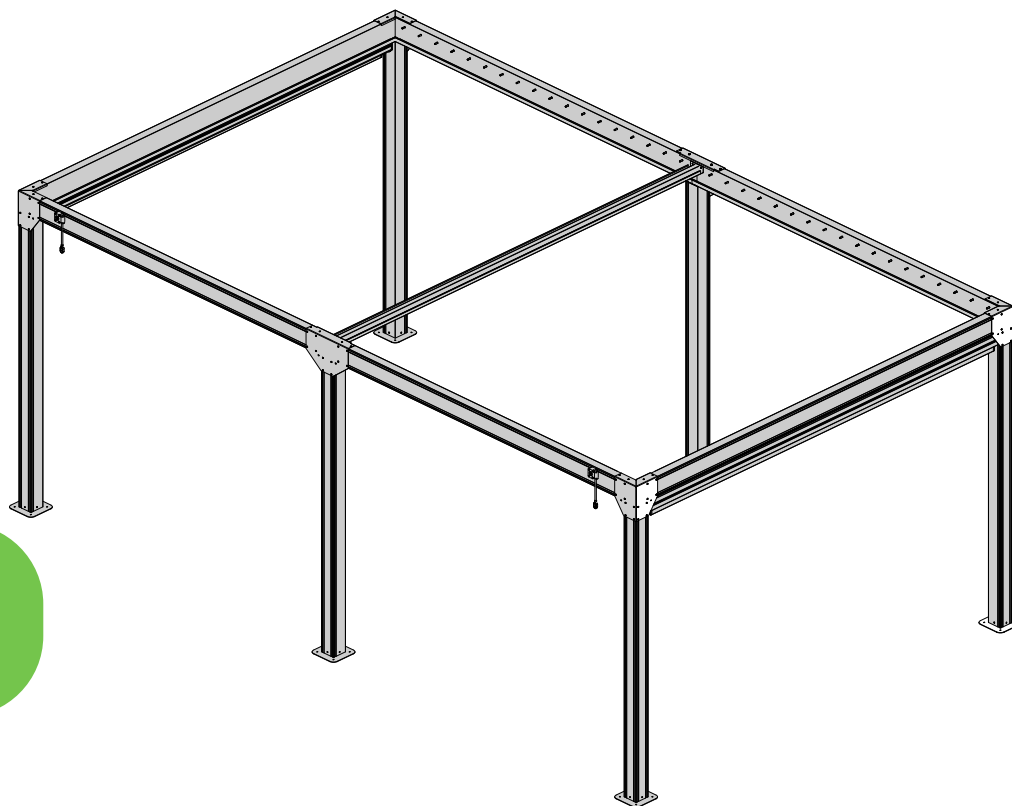
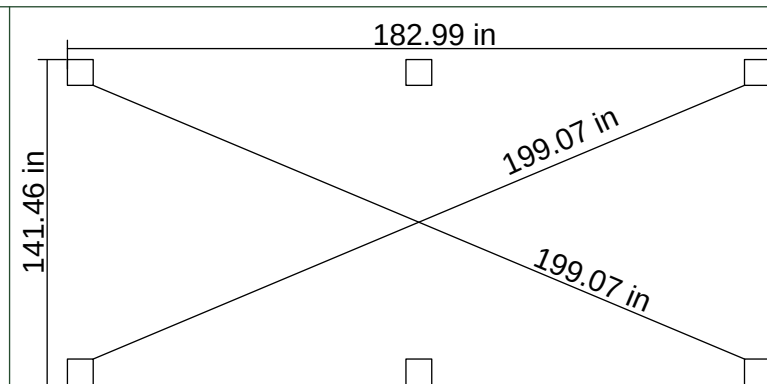
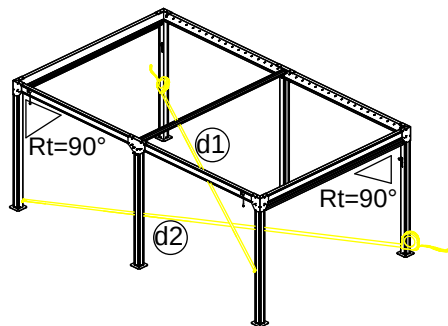


STEP 2

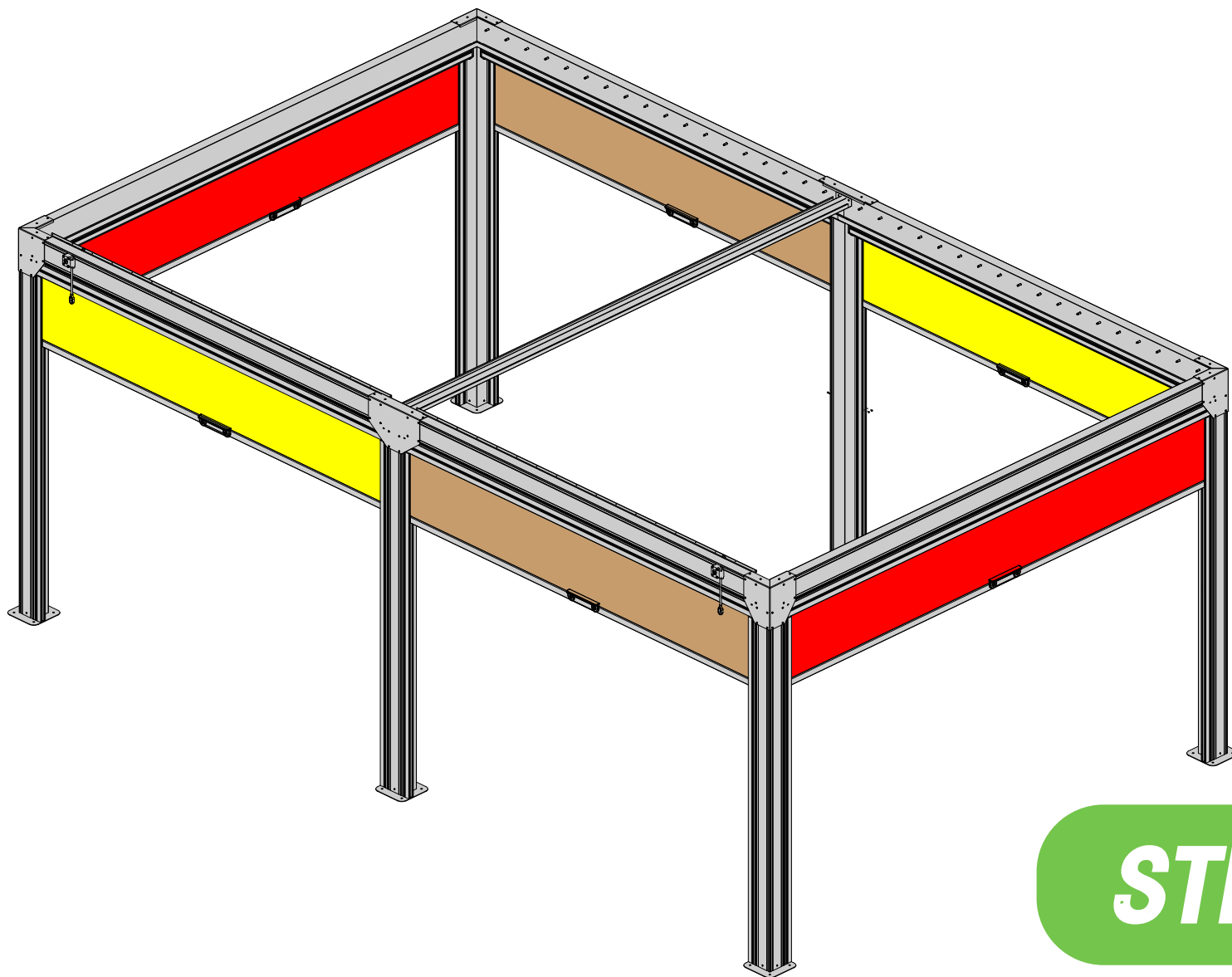
Before proceeding with next step ensure that the frame is square by ensuring the diagonal dimensions are identical, the beams are level and that the posts are at 90 degree angles to the beams and are plumb.

Important

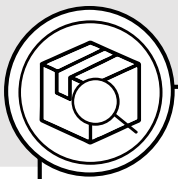
① $d1=d2$



STEP 2



STEP 3



E5 x 4



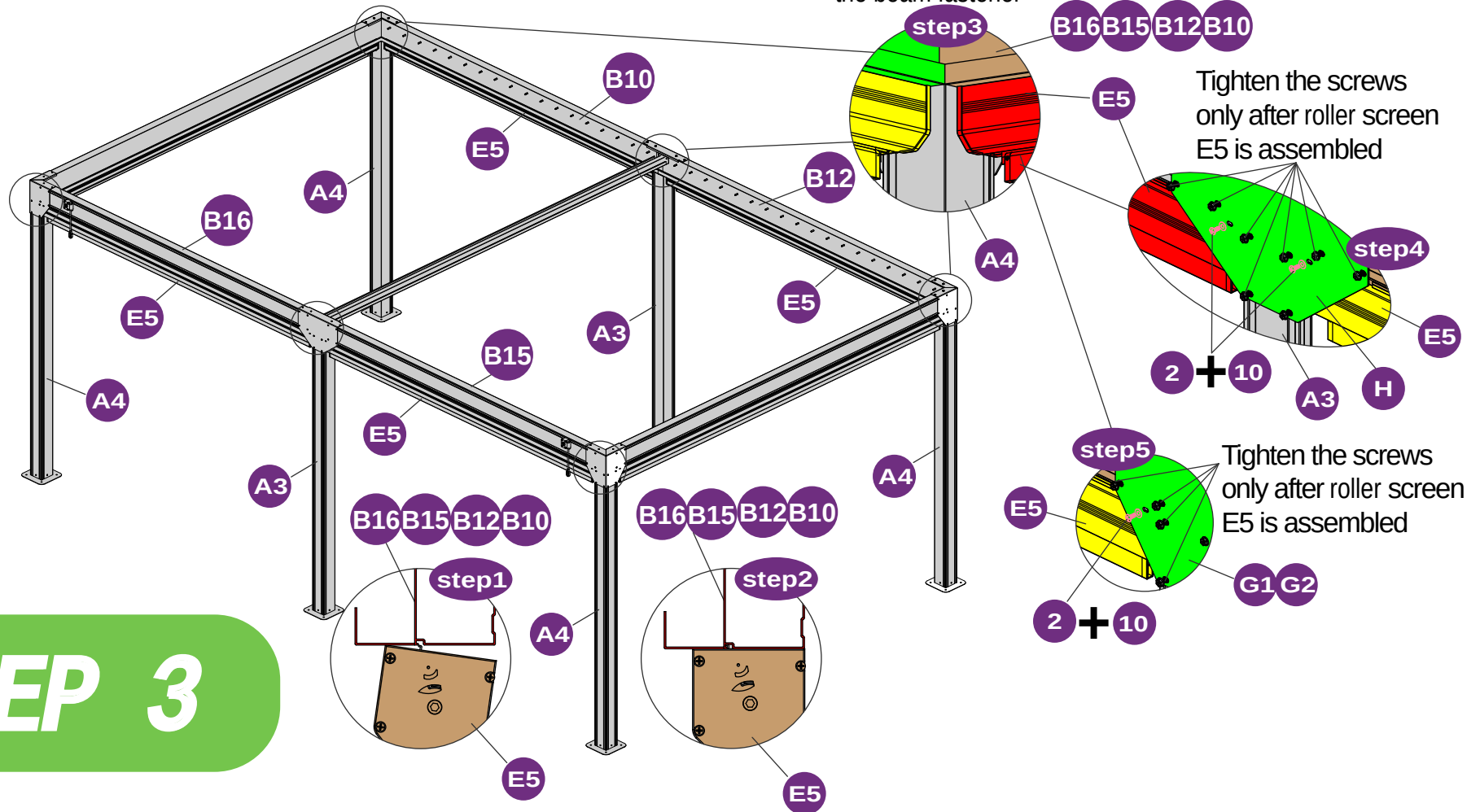
2 x 8



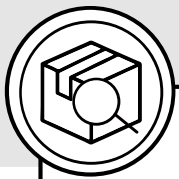
10 x 8



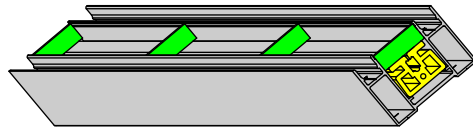
Check that the roller screen is properly connected to the beam fastener



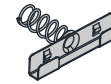
STEP 3



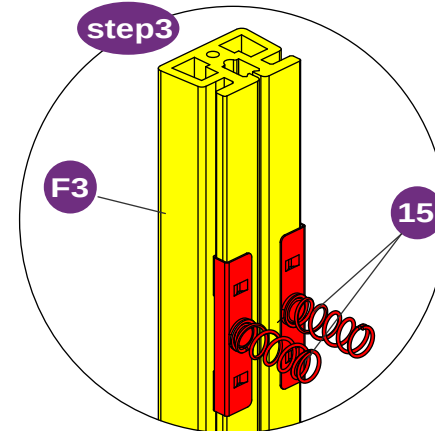
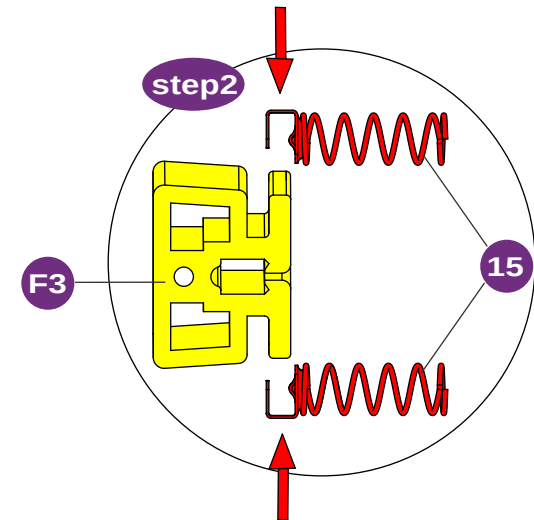
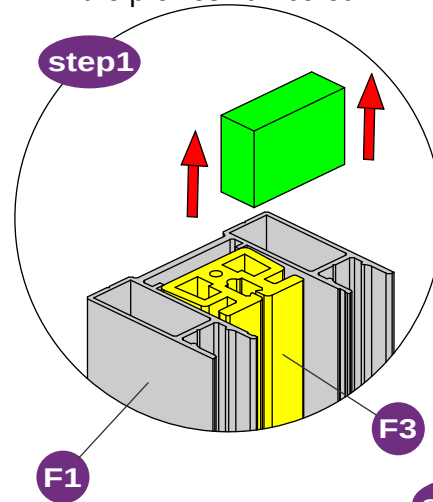
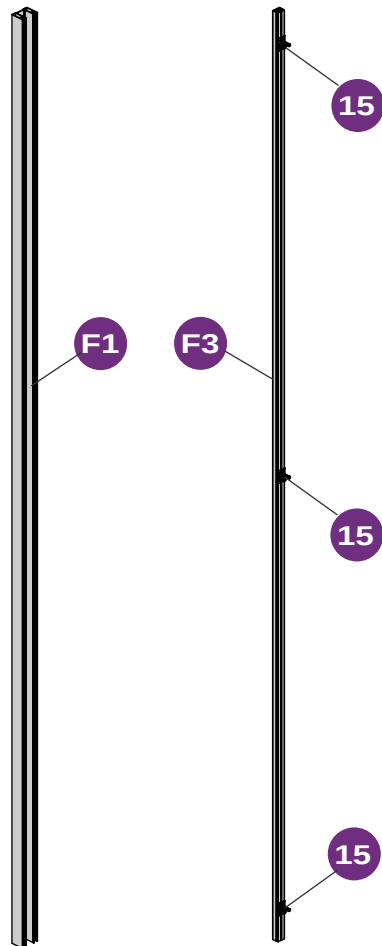
F1 F3 x12



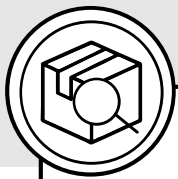
15 x72



Take out the plastic
(packing material)
blocks at both ends of
the profiles numbered F1



STEP 3

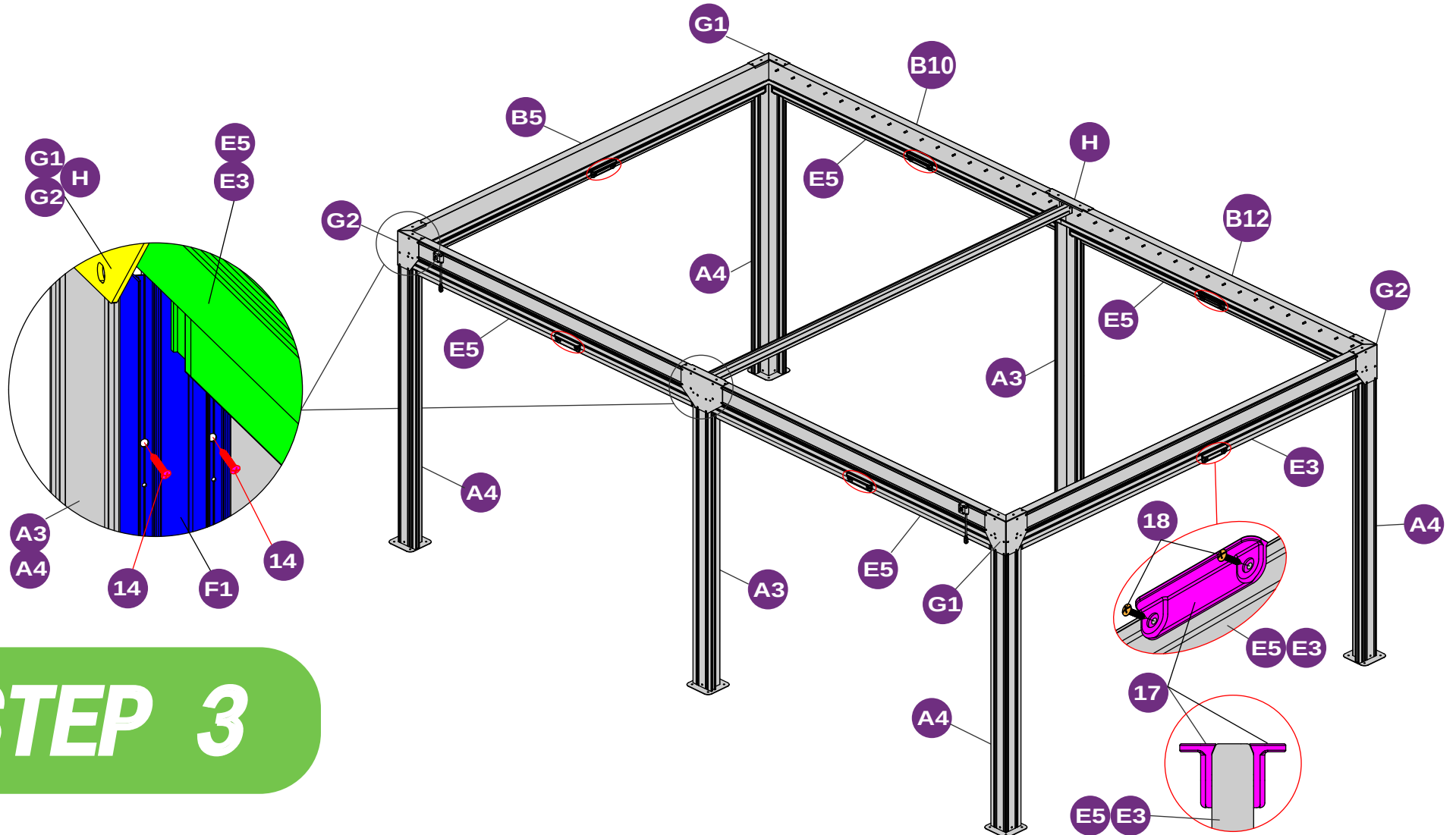
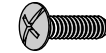


F1

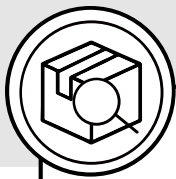
14 x72

17 x12

18 x24



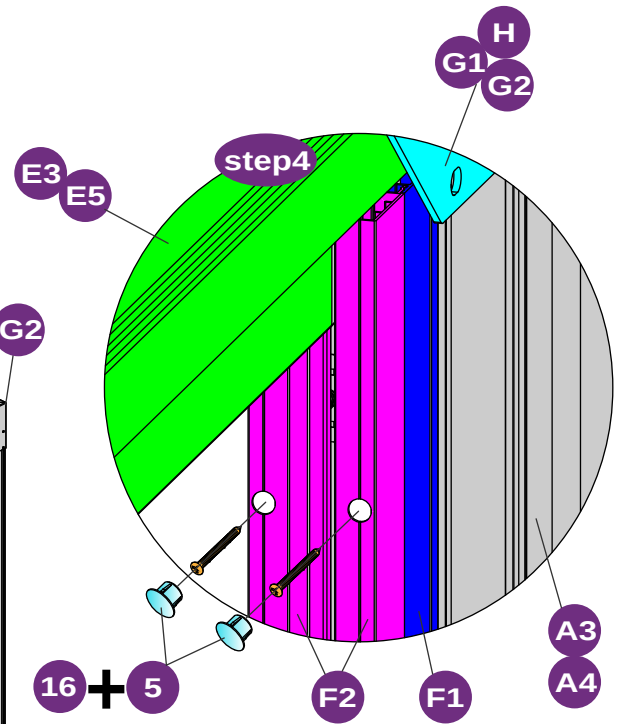
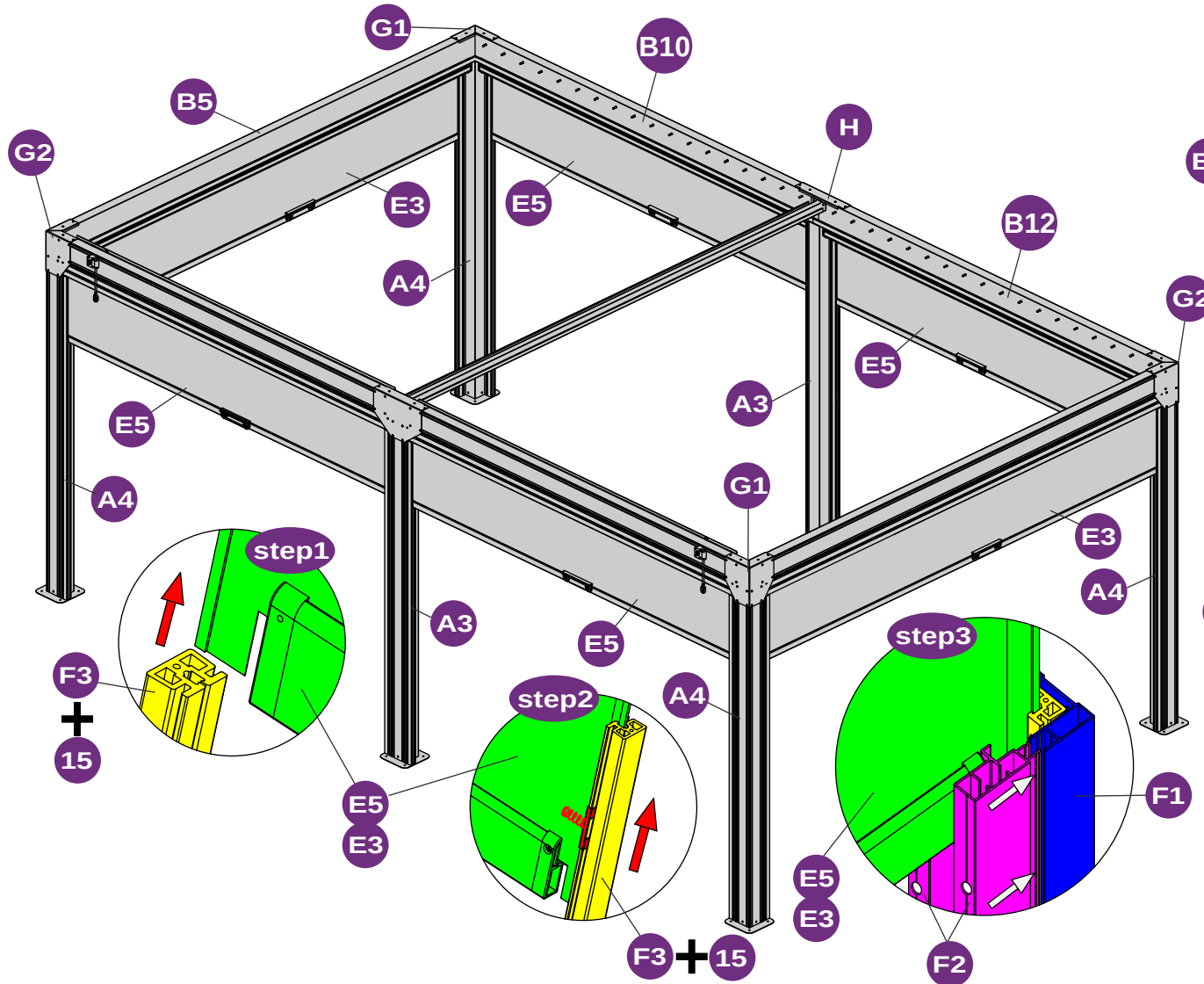
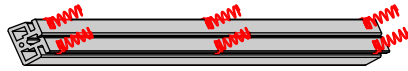
STEP 3



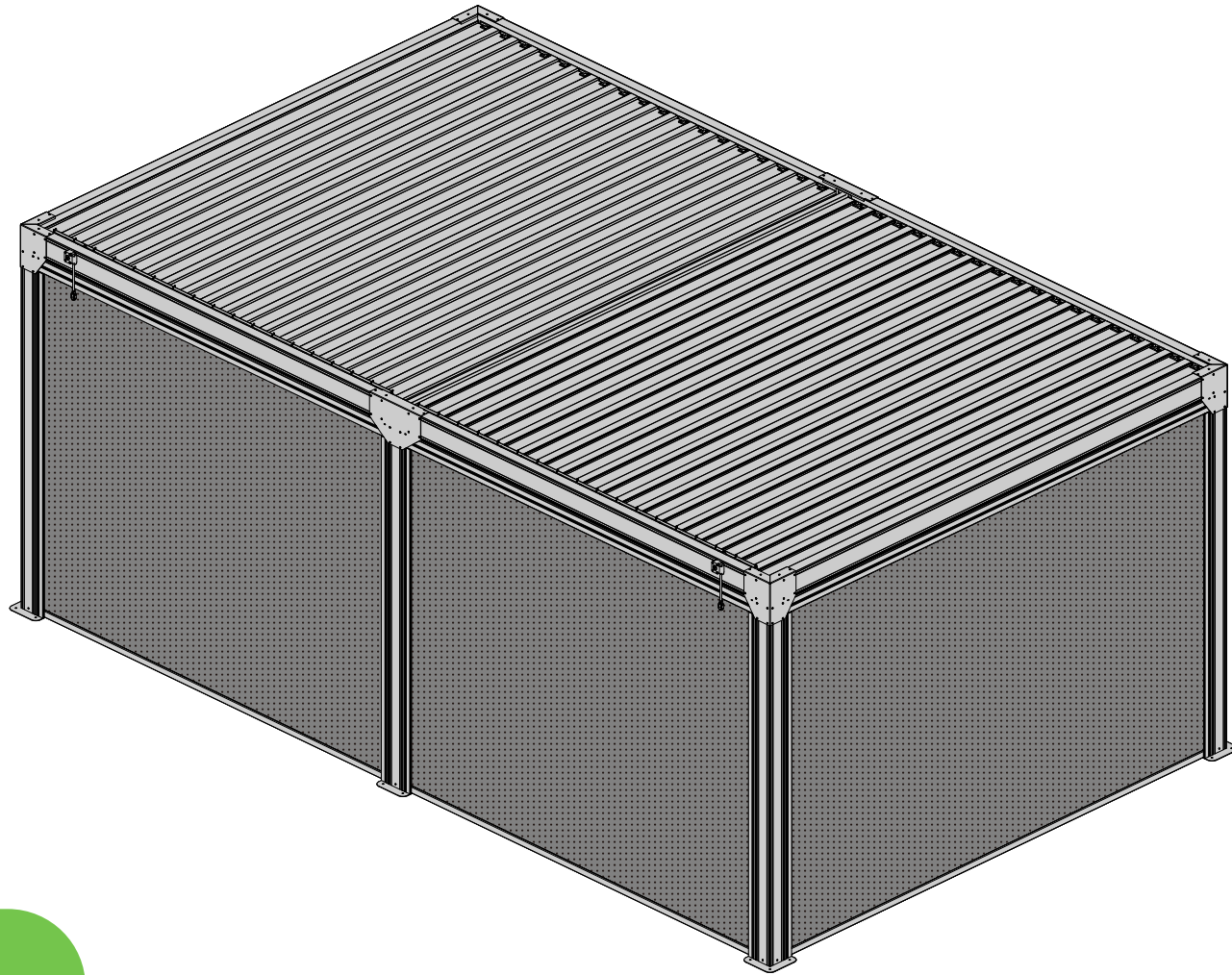
F3 + 15

F2 x24

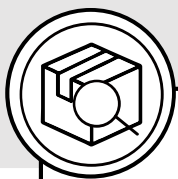
16 + 5 x72



STEP 3



STEP 4



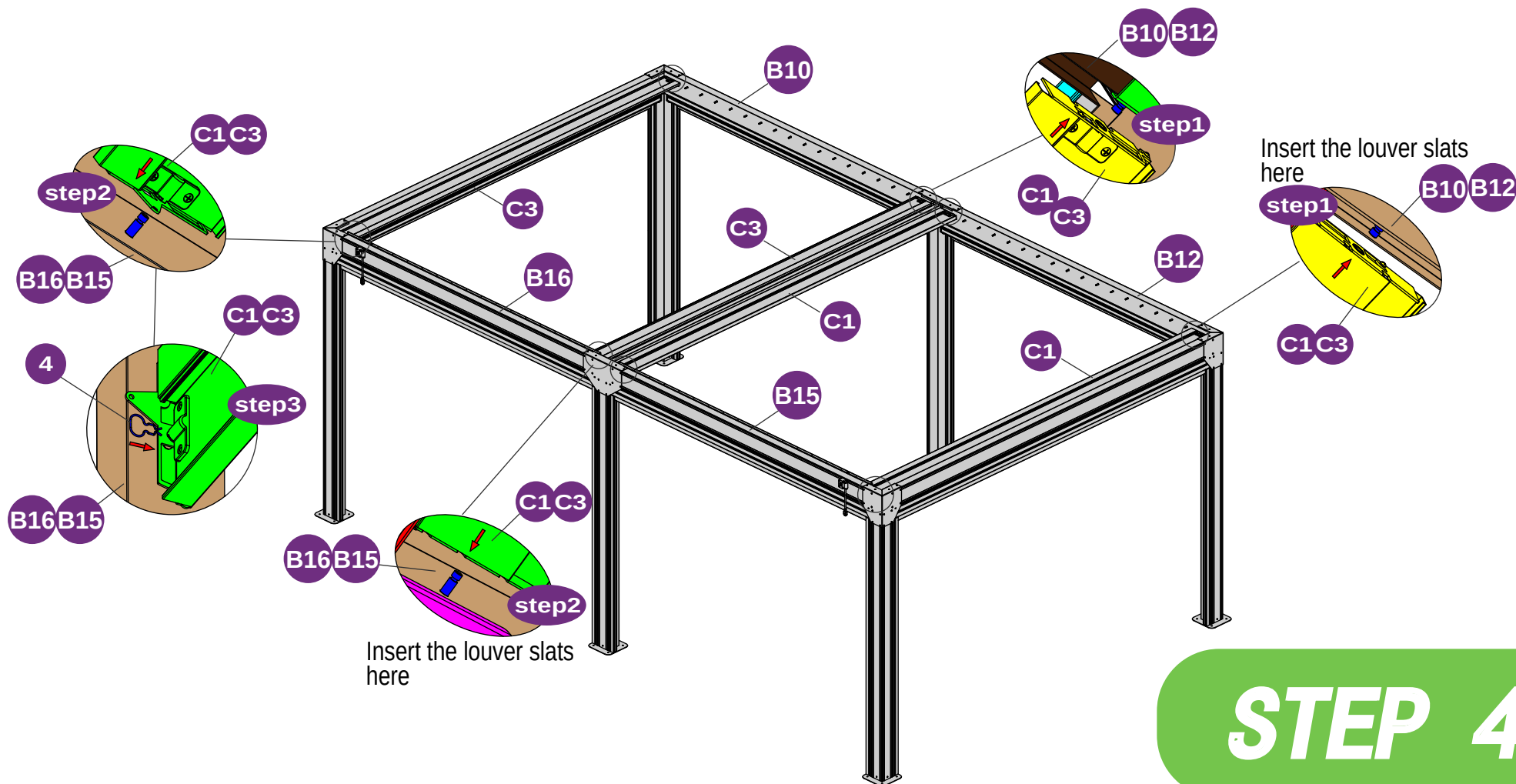
C1 x 2



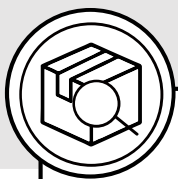
C3 x 2



4 x 4



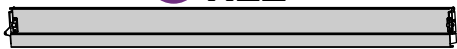
STEP 4



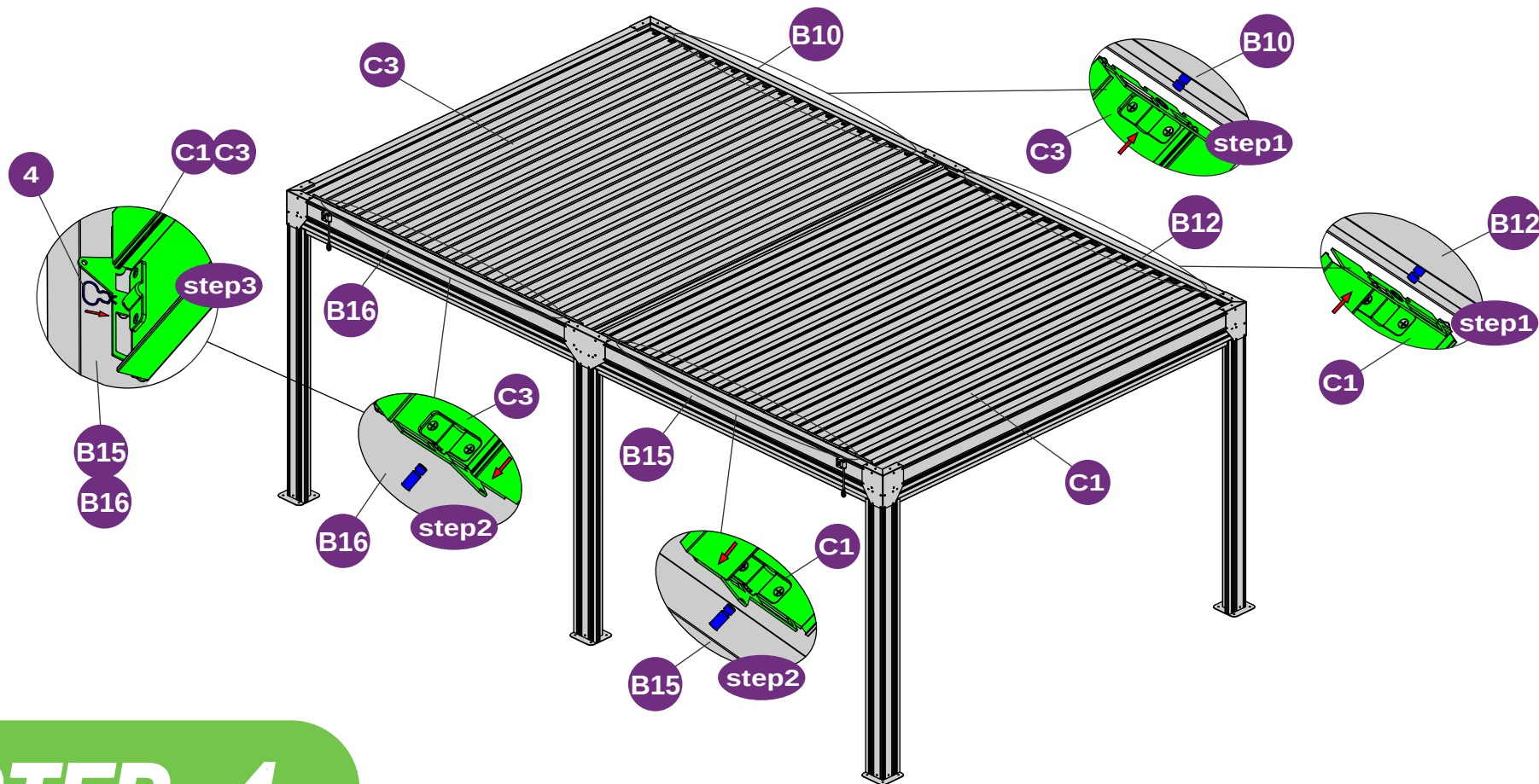
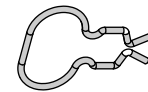
C1 x12



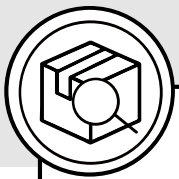
C3 x12



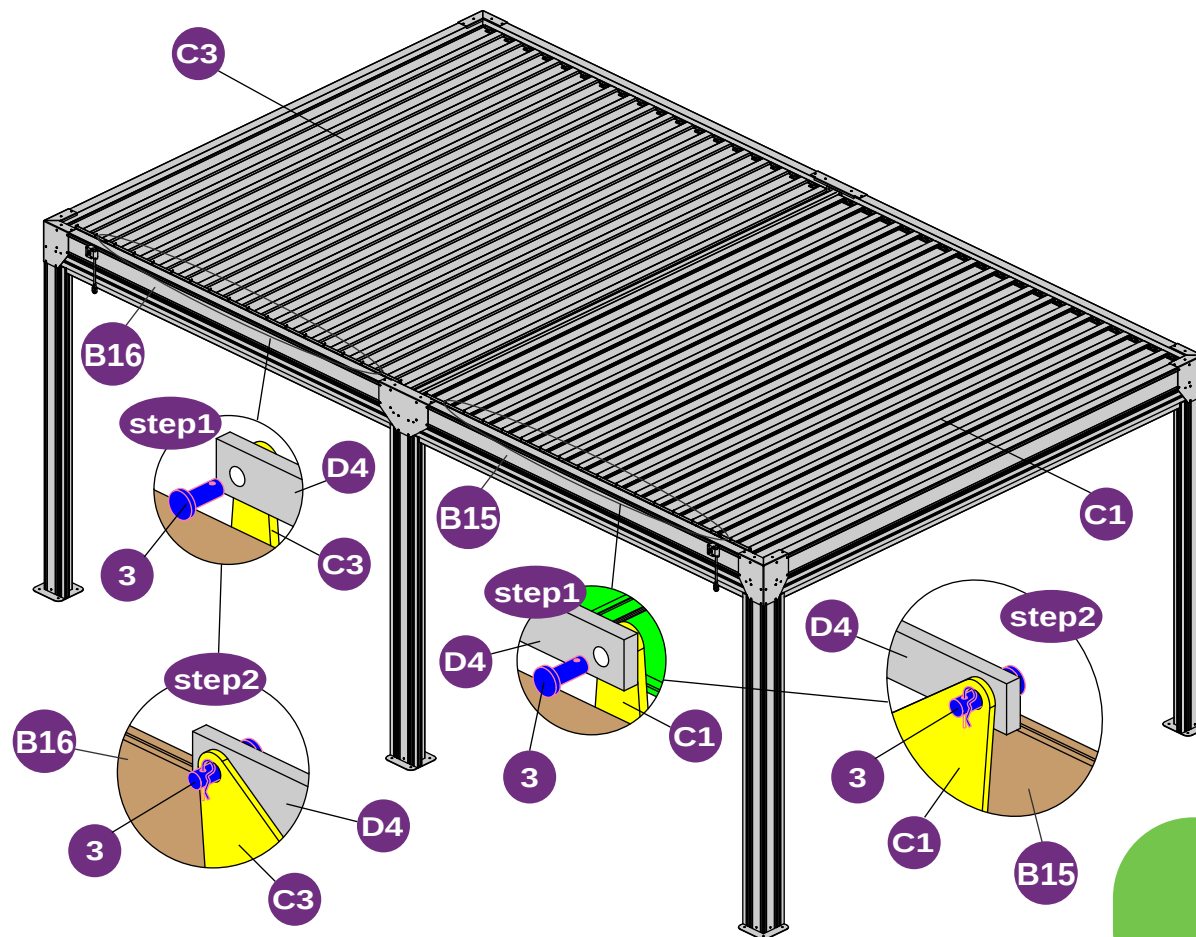
4 x24



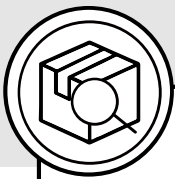
STEP 4



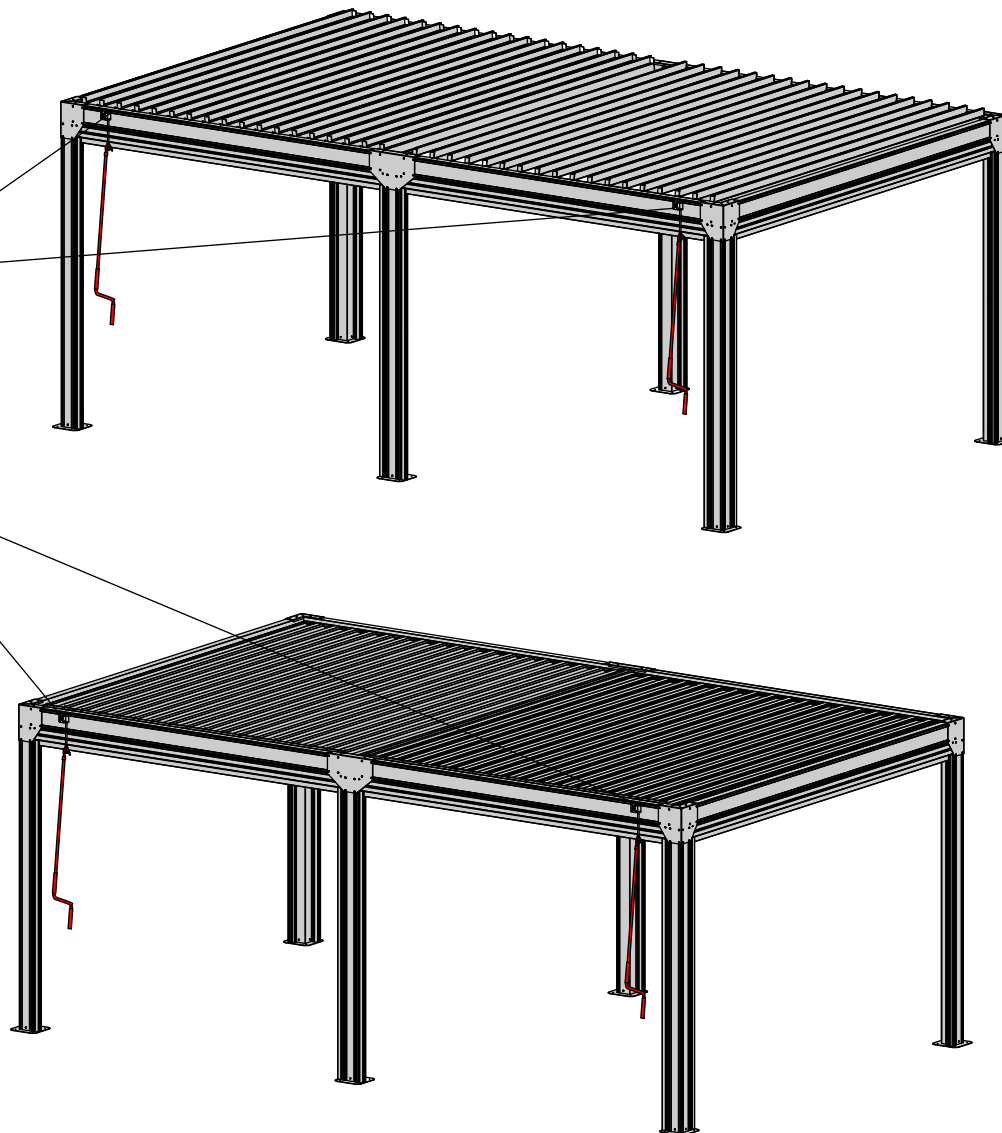
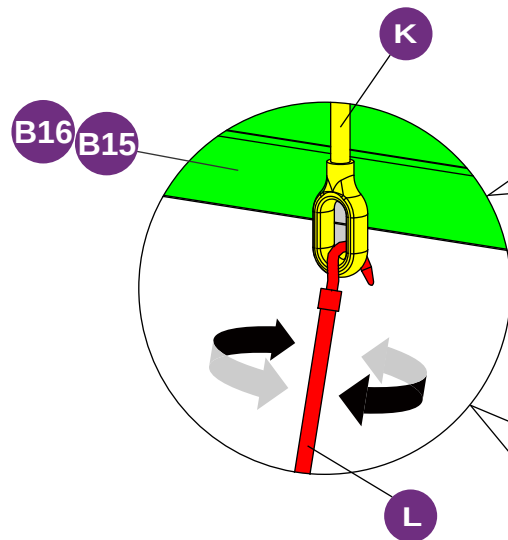
3 x28 



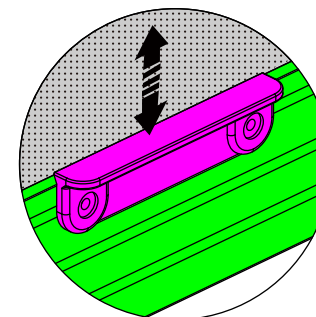
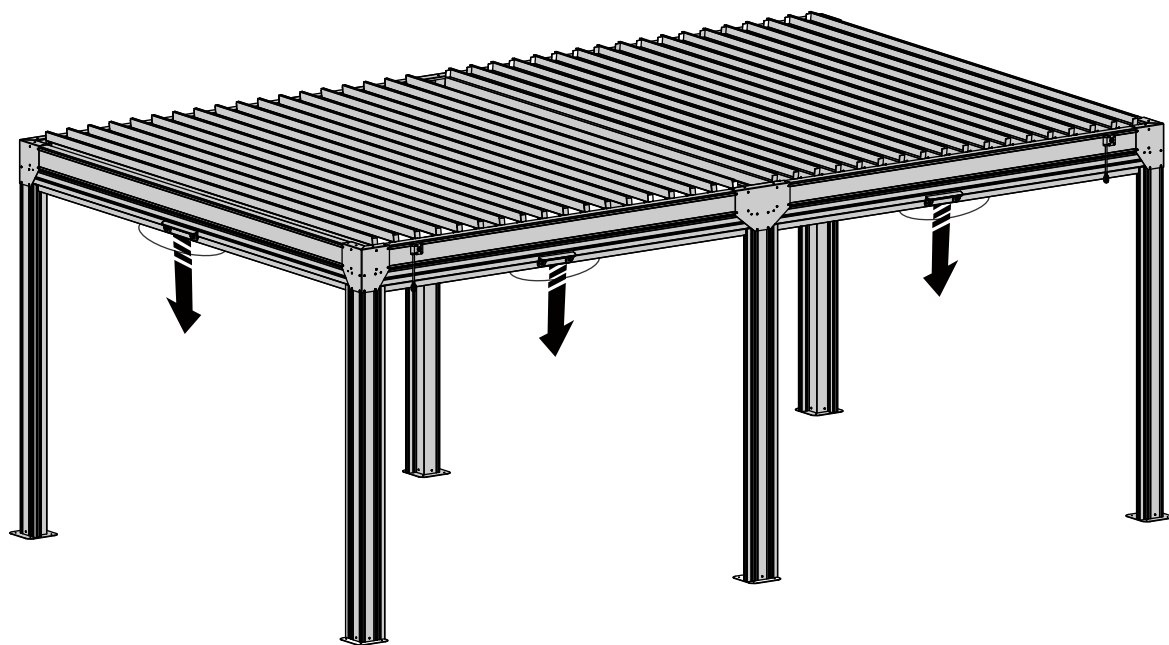
STEP 4



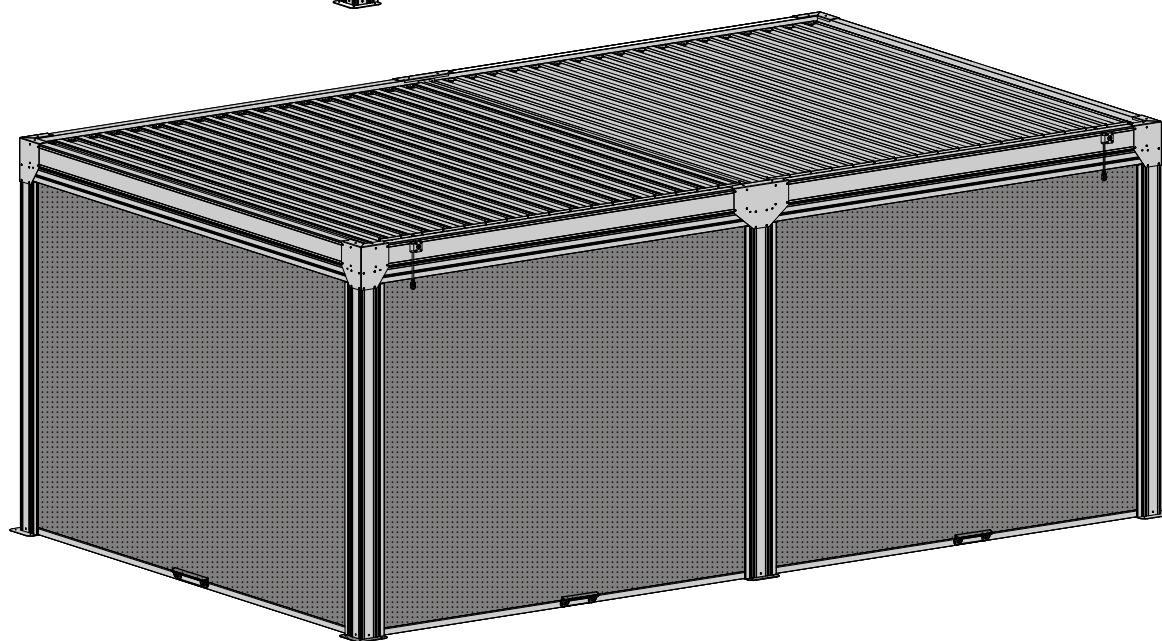
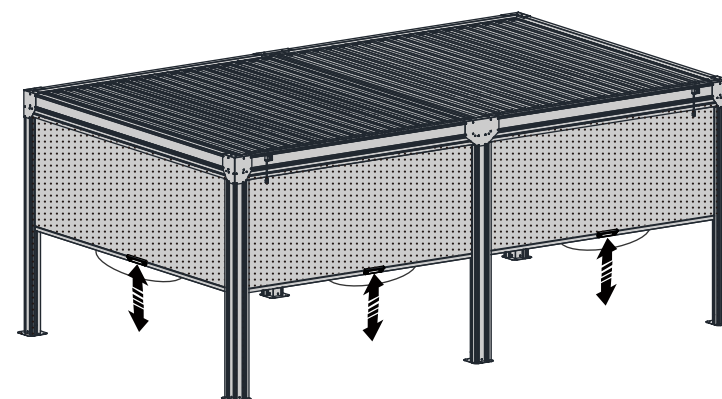
L x 2



STEP 4



Roller shutter handle



STEP 4

Carton-1/6	
Part	Qty
A3	2
A4	4
F1	12
F2	24
F3	6

Carton-2/6	
Part	Qty
B15	1
B10	1
B16	1
B12	1
G1	2
G2	2
H	2
J	6
K	2
L	2
1.2.3.4.5.6 7.8.9.10.11 12.13.14.16 18.19.20.21 22.23.24	2
17	12

Carton-3/6	
Part	Qty
B5	2
B6	1
E3	2
D4	2
15	74
F3	6

Carton-4/6	
Part	Qty
E5	4

Carton-5/6	
Part	Qty
C1	14

Carton-6/6	
Part	Qty
C3	14

Part	Qty

Part	Qty

Warranty

1、 The product is guaranteed to be replaced free of charge due to defects in materials and workmanship for one year from the date of purchase. However, damage caused by negligence, weather conditions, or intentional misuse is not covered by the warranty.

2、 Warranty Limitation: This warranty applies only to the original purchase order (order number required). It is non-transferable, and we are responsible for the free replacement of parts, including shipping costs, for the 1-year warranty period. The 1-year warranty automatically expires after applying for a replacement. Please feel free to contact us to apply for warranty service.