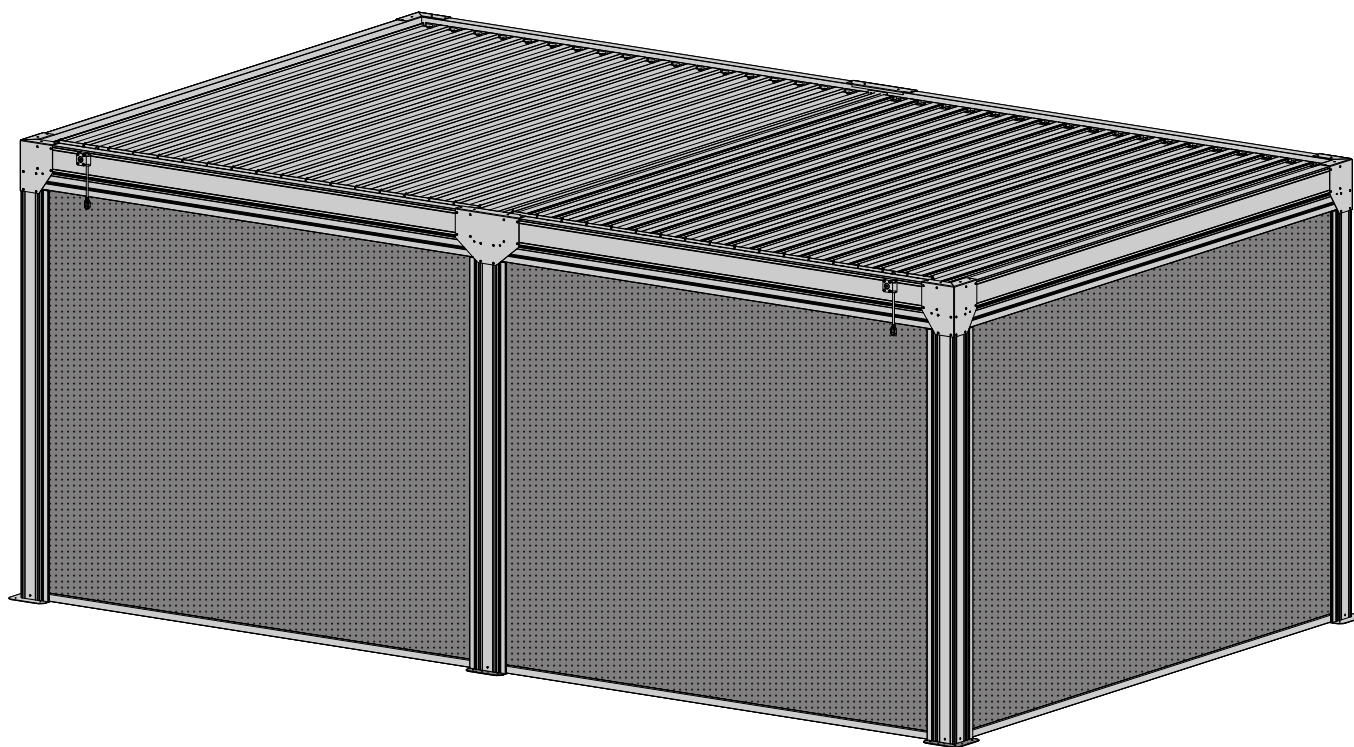




12' x 20'

SKU: XWG-275-4

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.*

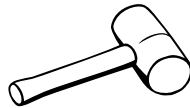
Pre-assembly

TOOLS THAT MAY BE REQUIRED (Not included in boxes)

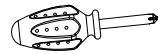
*NOTE: Tools / equipment are not shown to actual size and scale.



SPIRIT LEVEL



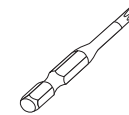
RUBBER Mallet



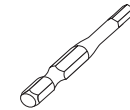
PHILLIPS SCREWDRIVER



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



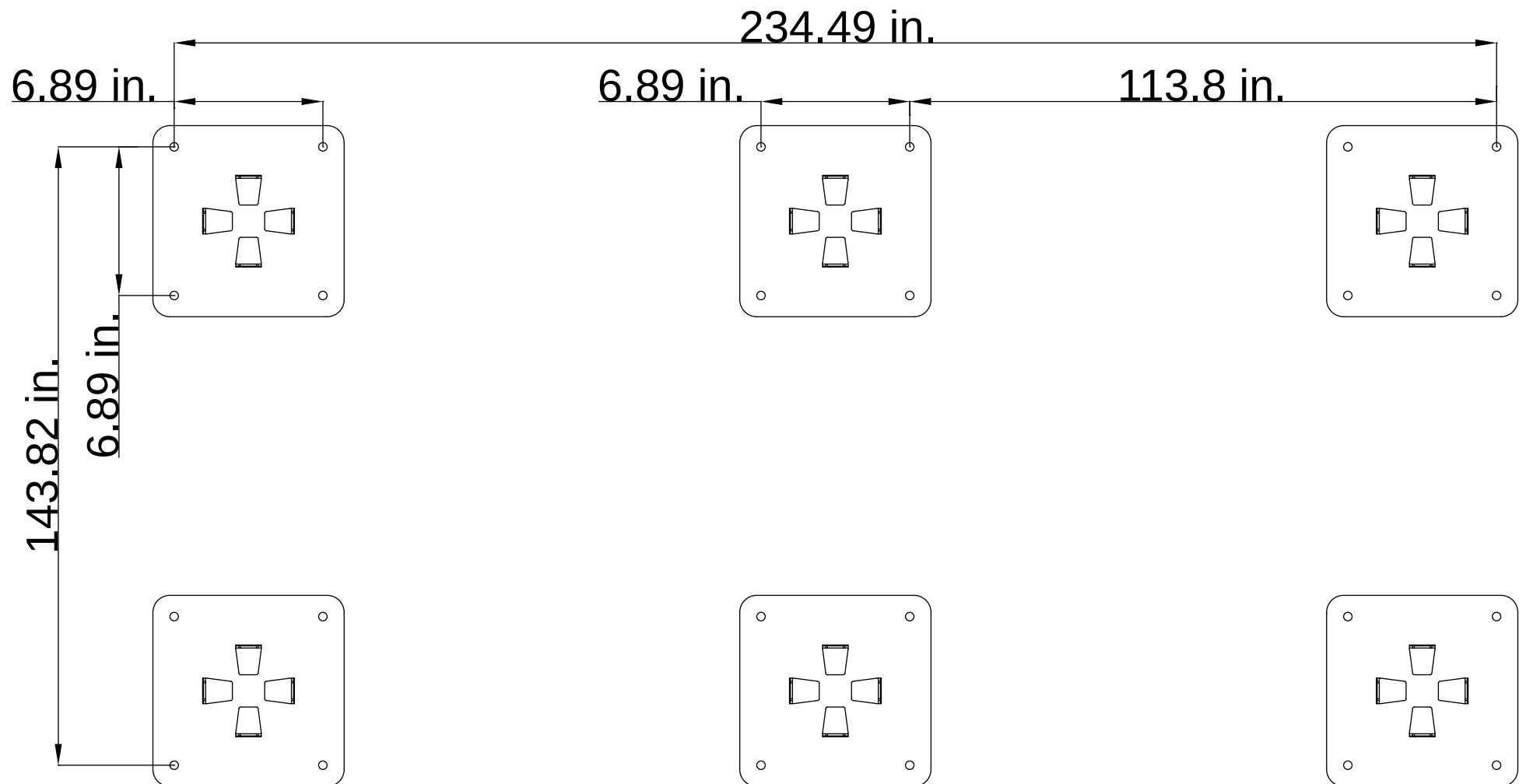
1. Four or more people are required for assembly.



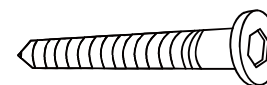
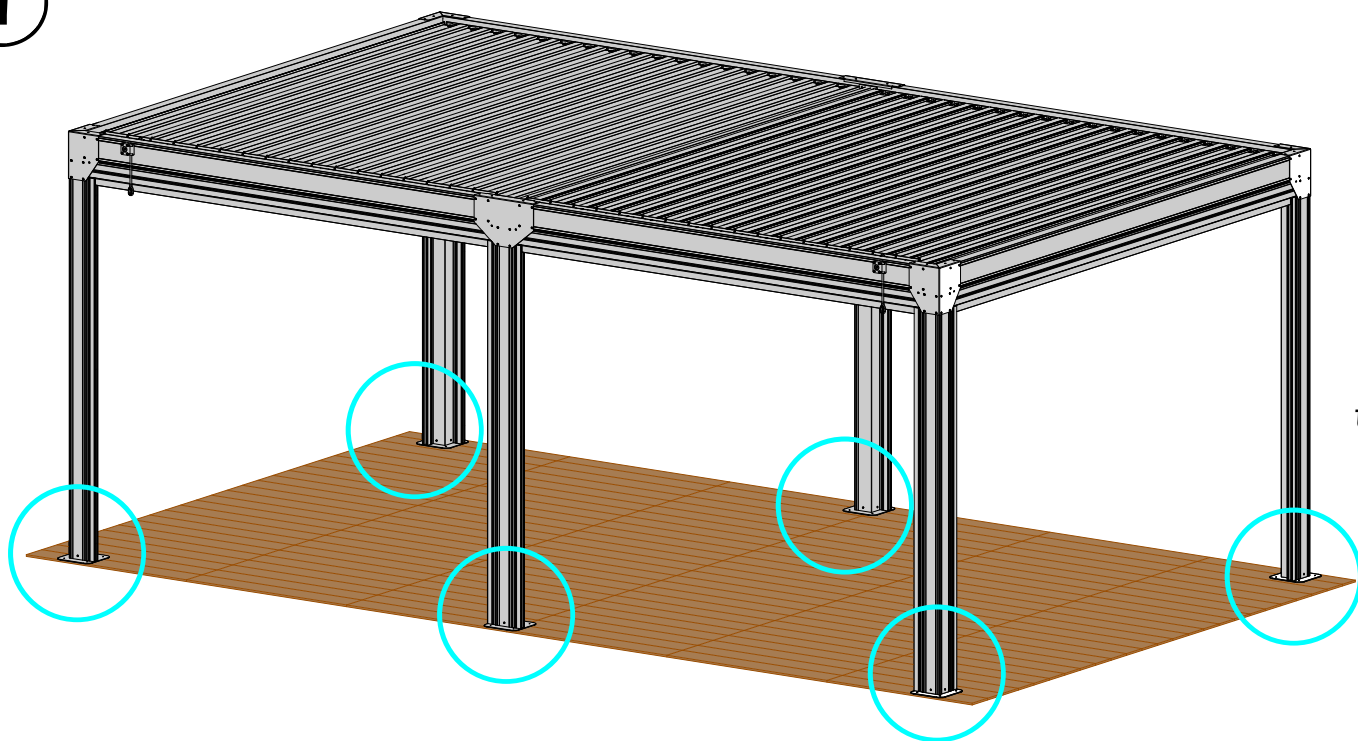
2. Do not fully tighten screws prior to complete assembly.

MOUNTING BLUEPRINT

Pergola 12' x 20'

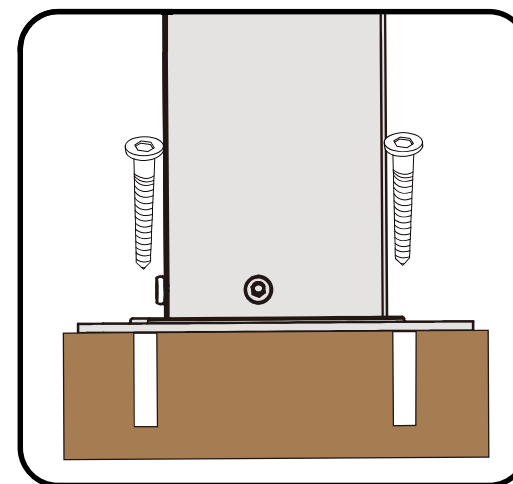
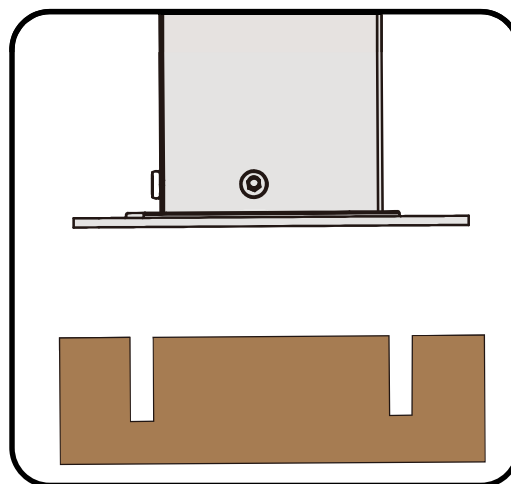


1

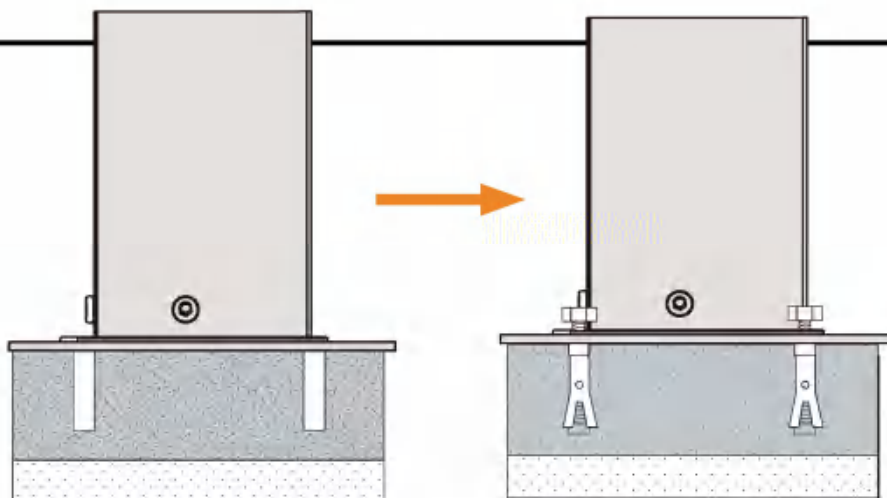


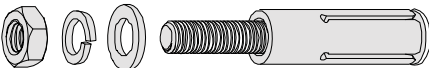
× 24

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.



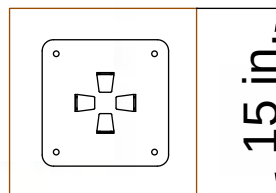
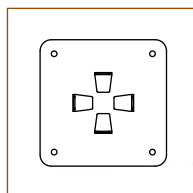
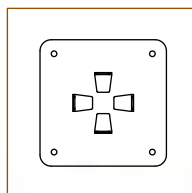
2



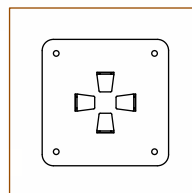
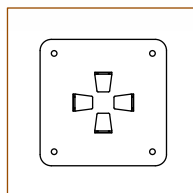
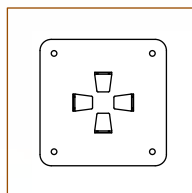
24x24 

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



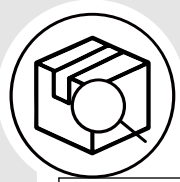
Or you can make a concrete footing for Pergola , **15×15×15 inches** is recommended. Use expansion bolts to mount the pergola like ② shows.

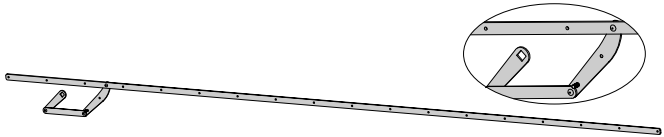
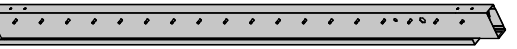
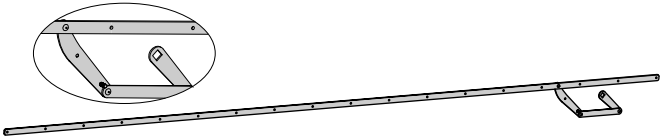
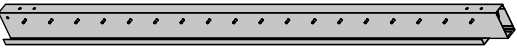
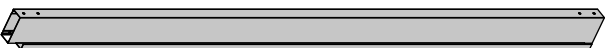


IMPORTANT:
Anchor is not
recommended



CHECK LIST



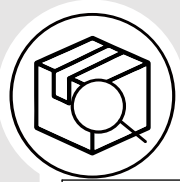
A3 x 2		post 3	B21 x 1		Cross beam 21
A4 x 4		post 4	C5 x18		Louver 5
B19 x 1		Cross beam19	C7 x18		Louver 7
B2 x 1		Cross beam 2	D6 x 1		
B20 x 1		Cross beam20	D8 x 1		
B4 x 1		Cross beam 4	E1 x 4		Roll screen 1
B5 x 2		Cross beam 5	E3 x 2		Roll screen 3

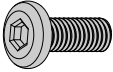
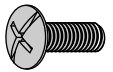
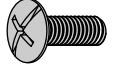
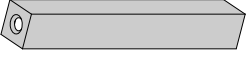
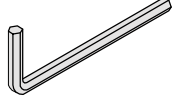
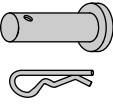
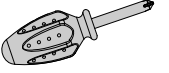
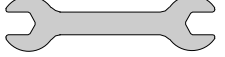
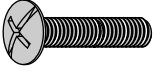
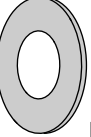
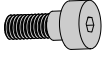
CHECK LIST

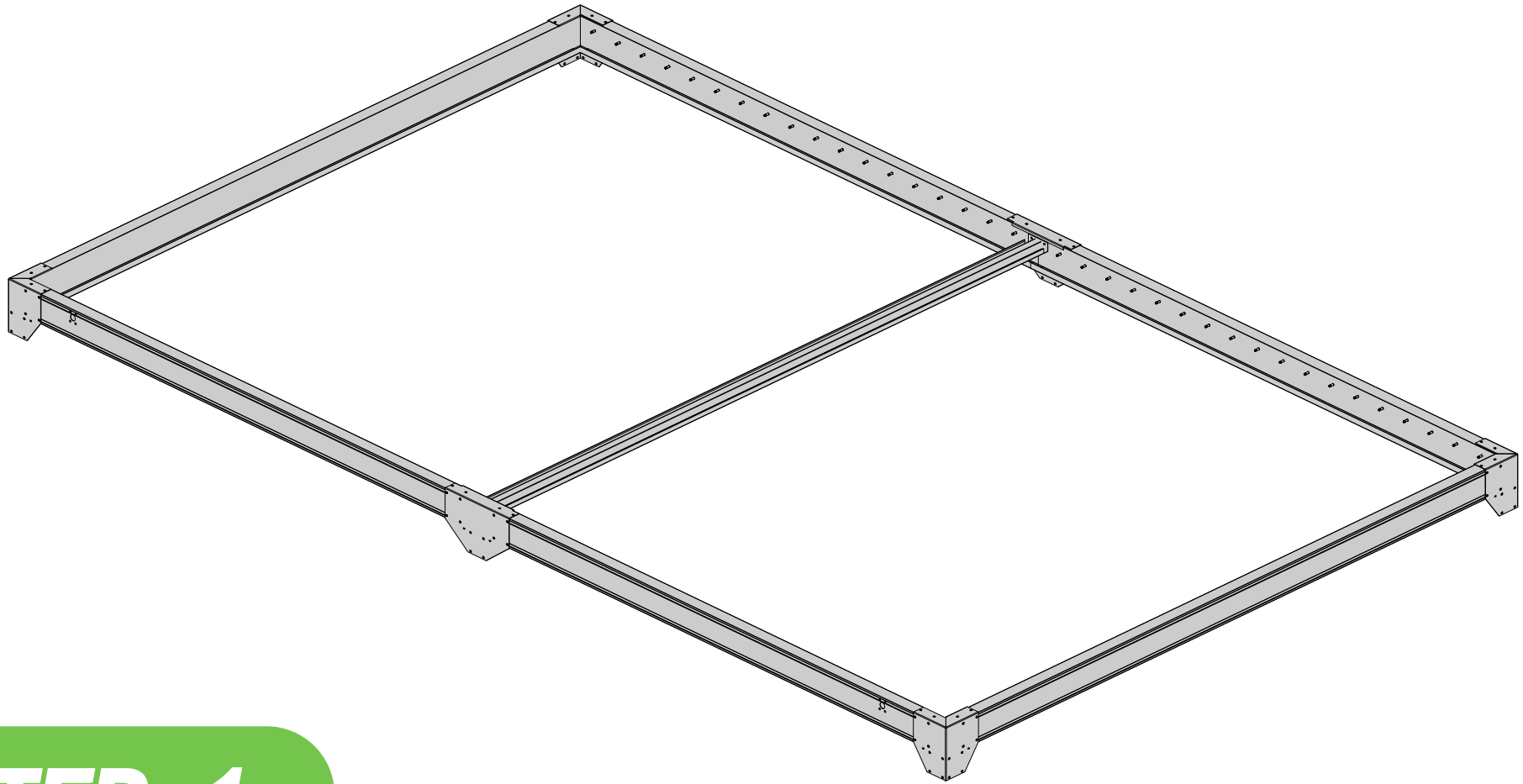


F1 x12		L x 2	
F2 x24			
F3 x12			
G5 x 4		Corner protector 5	
H x 2			
J x 6		Foot Base	
K x 2			

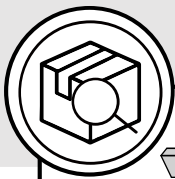
CHECK LIST



1 x140+4  Screw M6*16	8 x 2  Screw M5*10	15 x 1  3mm	22 x 1  5mm
2 x12+2  Screw M4*12	9 x 2 	16 x72+2 	23 x 1  6mm
3 x36+2  Screw Ø5*12	10 x12+2  M4	17 x12 	24 x24 
4 x36+2  Screw	11 x 2  M5*18	18 x24+2  Screw M3*8	25 x 1 
5 x72+2  Screw M3.5*45	12 x140+4  M6	19 x36+2  Rubber Gasket	26 x 1  M8
6 x 8  Screw M6*45	13 x 2  M20*28	20 x 2  M5*6*4	
7 x 2  Screw M5*24	14 x72+2  Screw M3.5*35	21 x 2  4mm	



STEP 1



B2 x 1

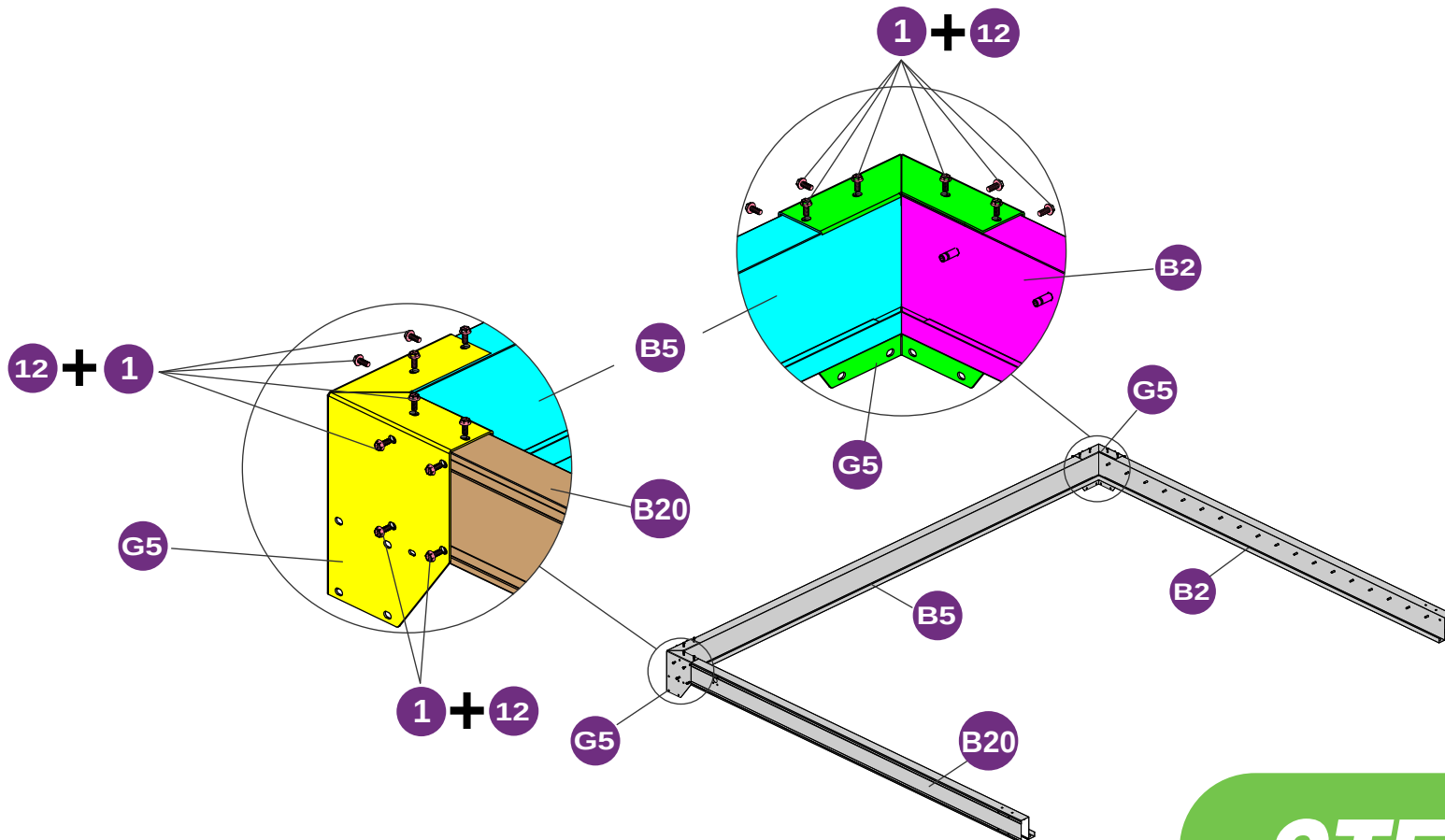
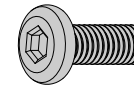
B5 x 1

12 x 24

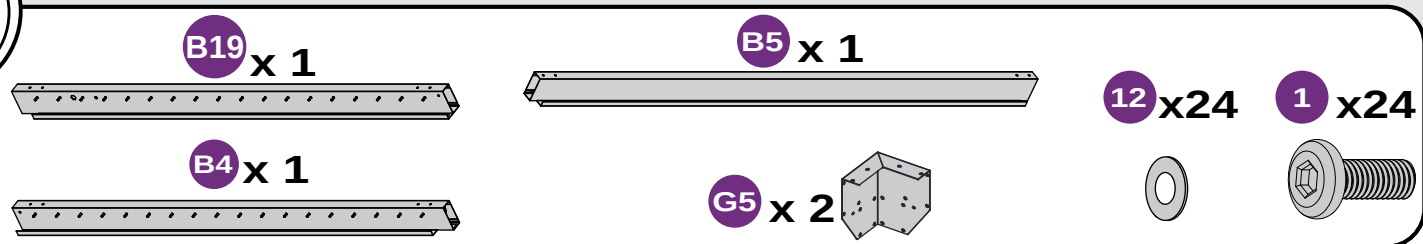
1 x 24

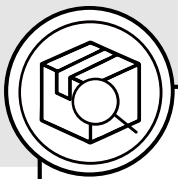
B20 x 1

G5 x 2

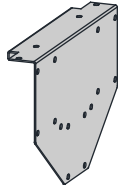


STEP 1

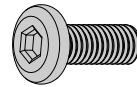




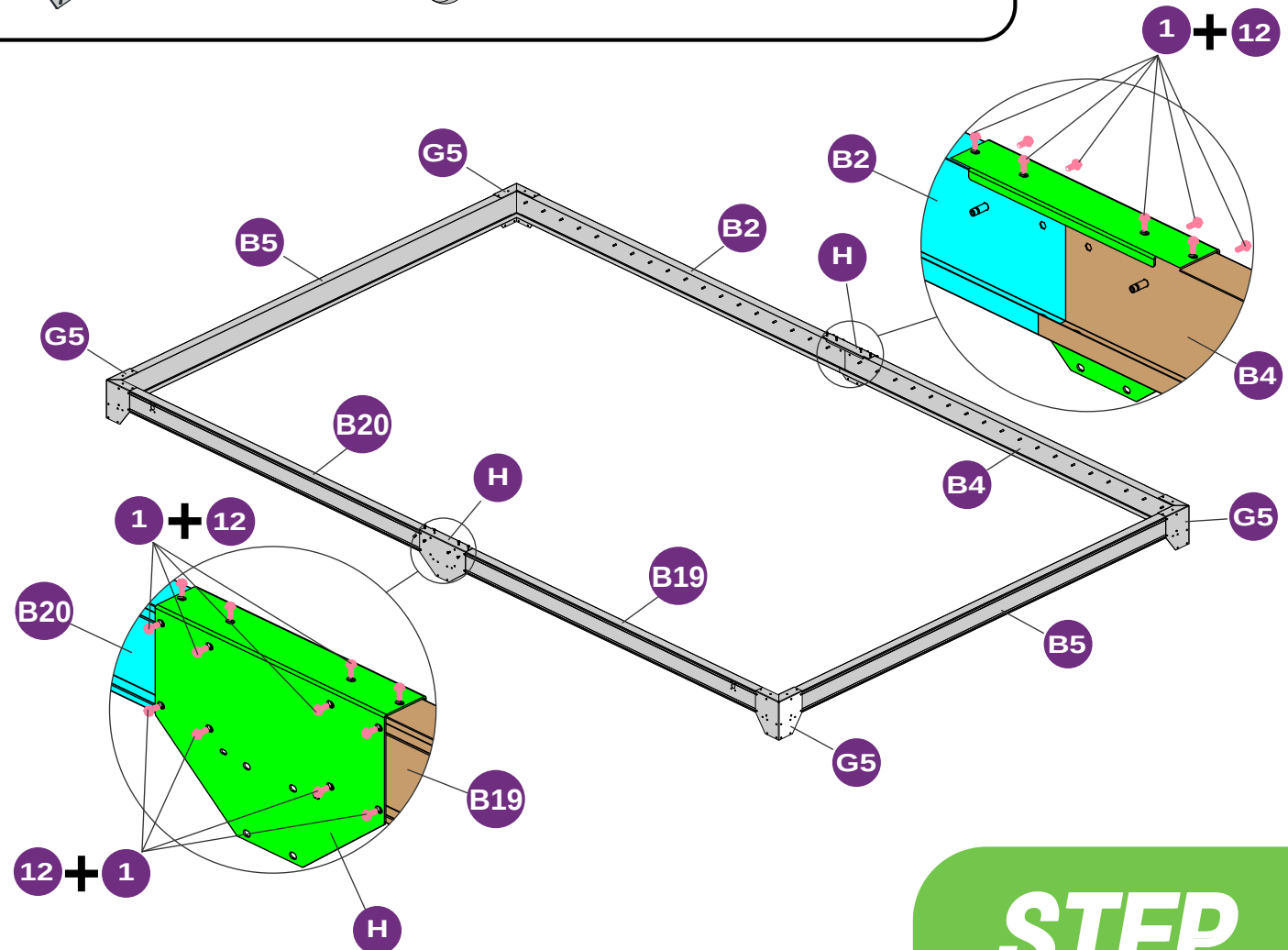
H x 2



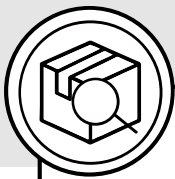
1 x24



12 x24



STEP 1



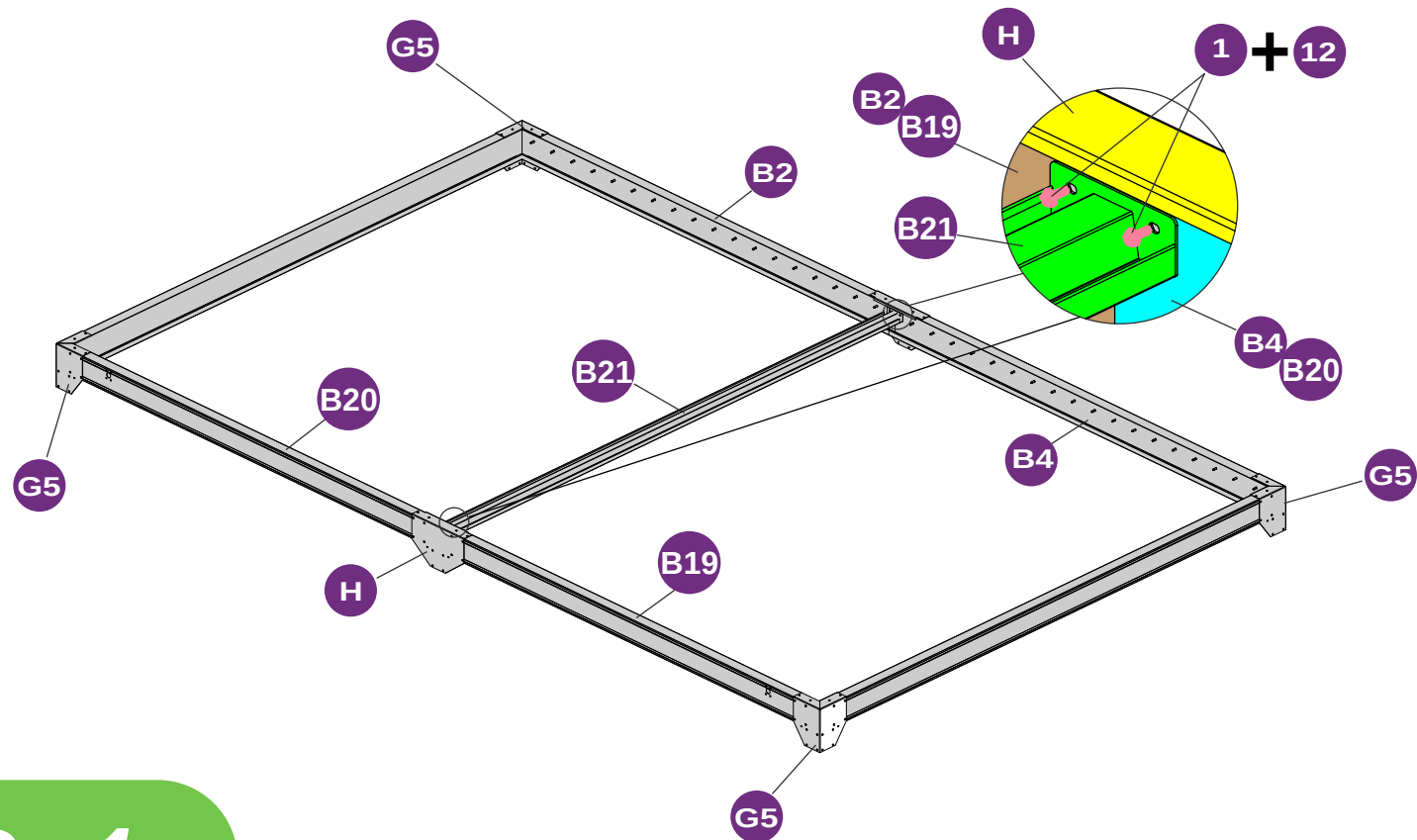
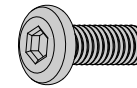
B21 x 1



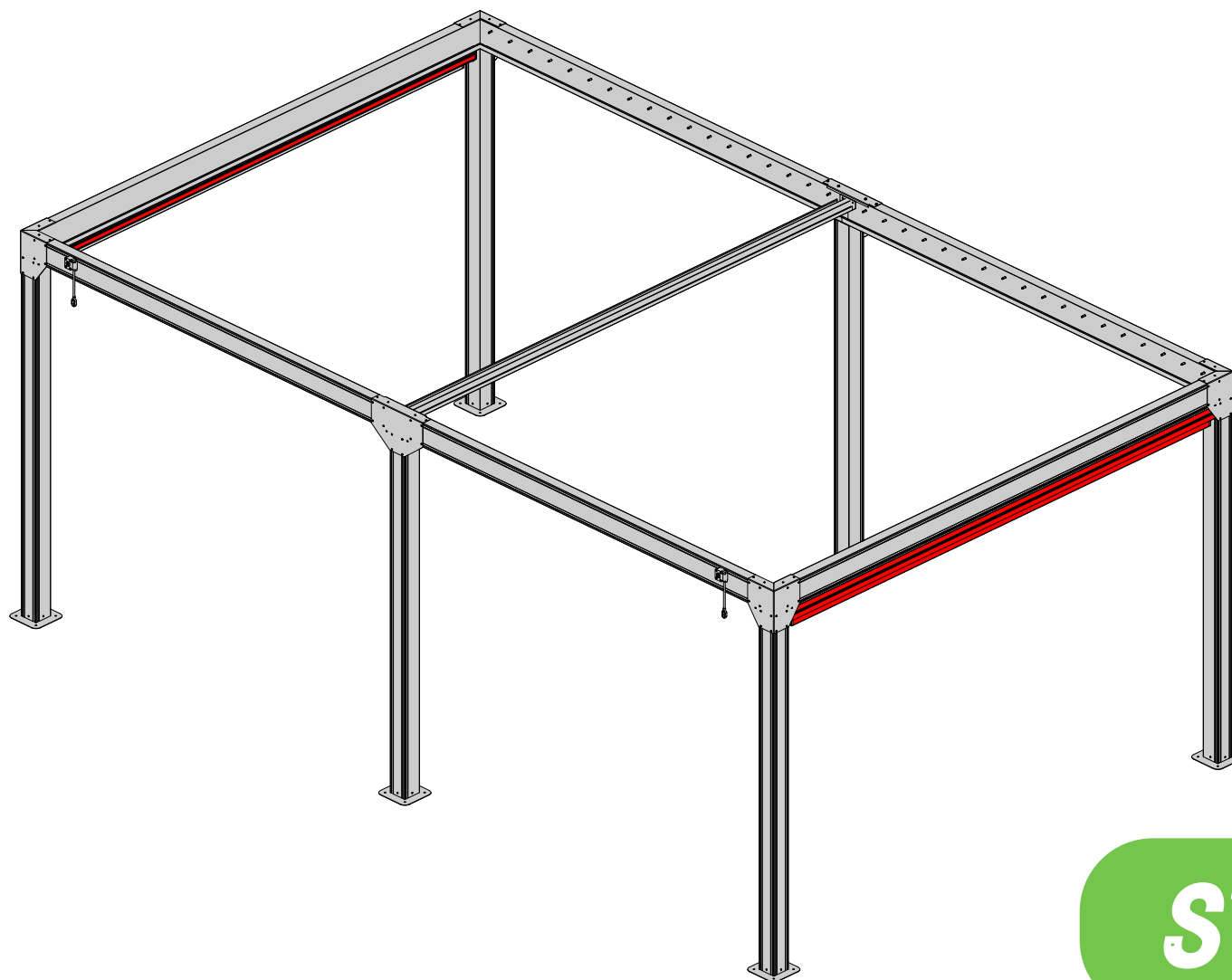
12 x 4



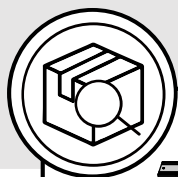
1 x 4



STEP 1



STEP 2



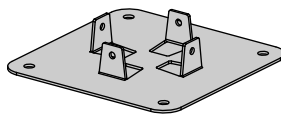
A3 x 2



A4 x 4



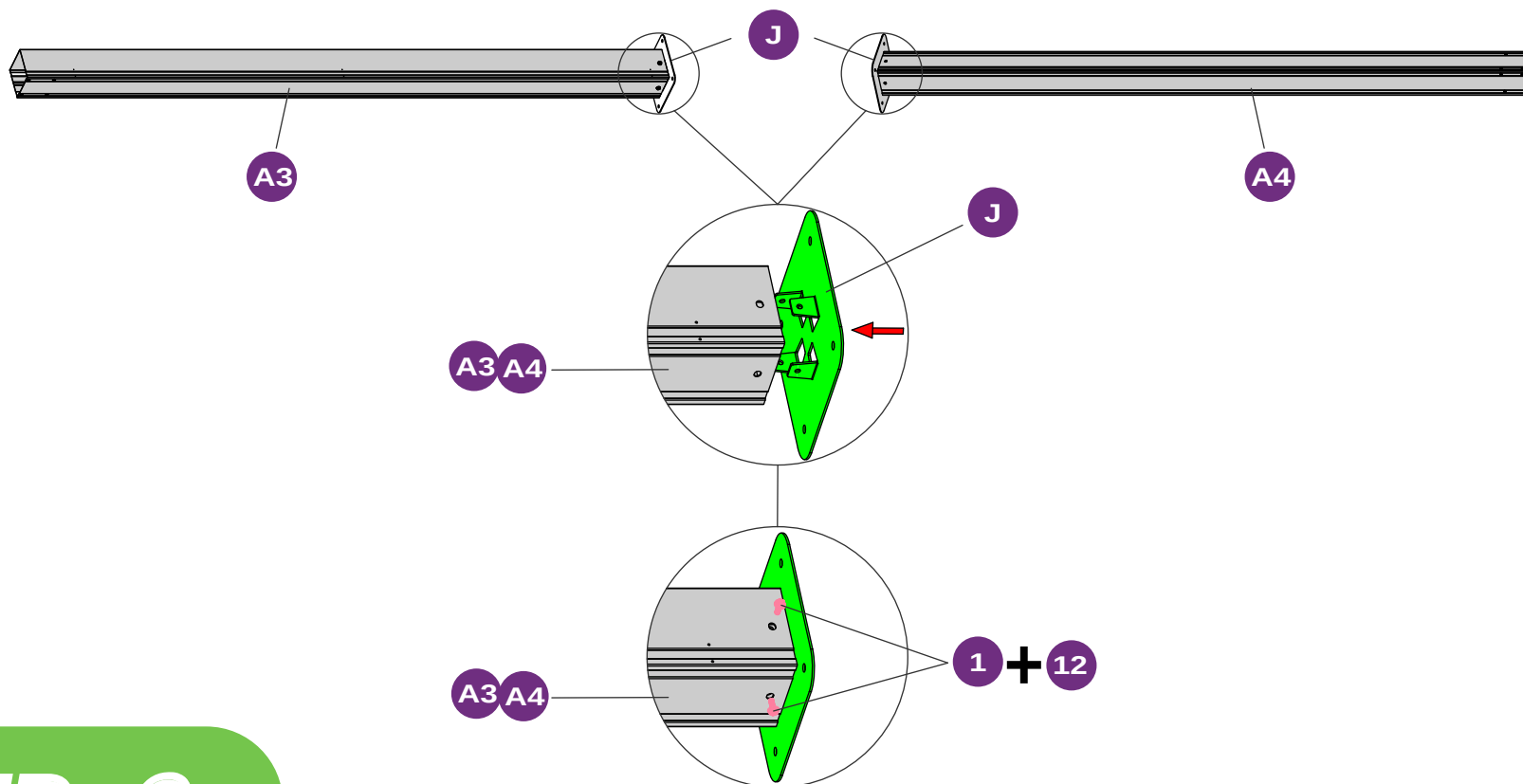
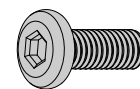
J x 6



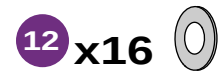
12 x 24

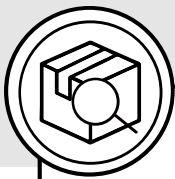


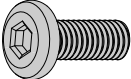
1 x 24



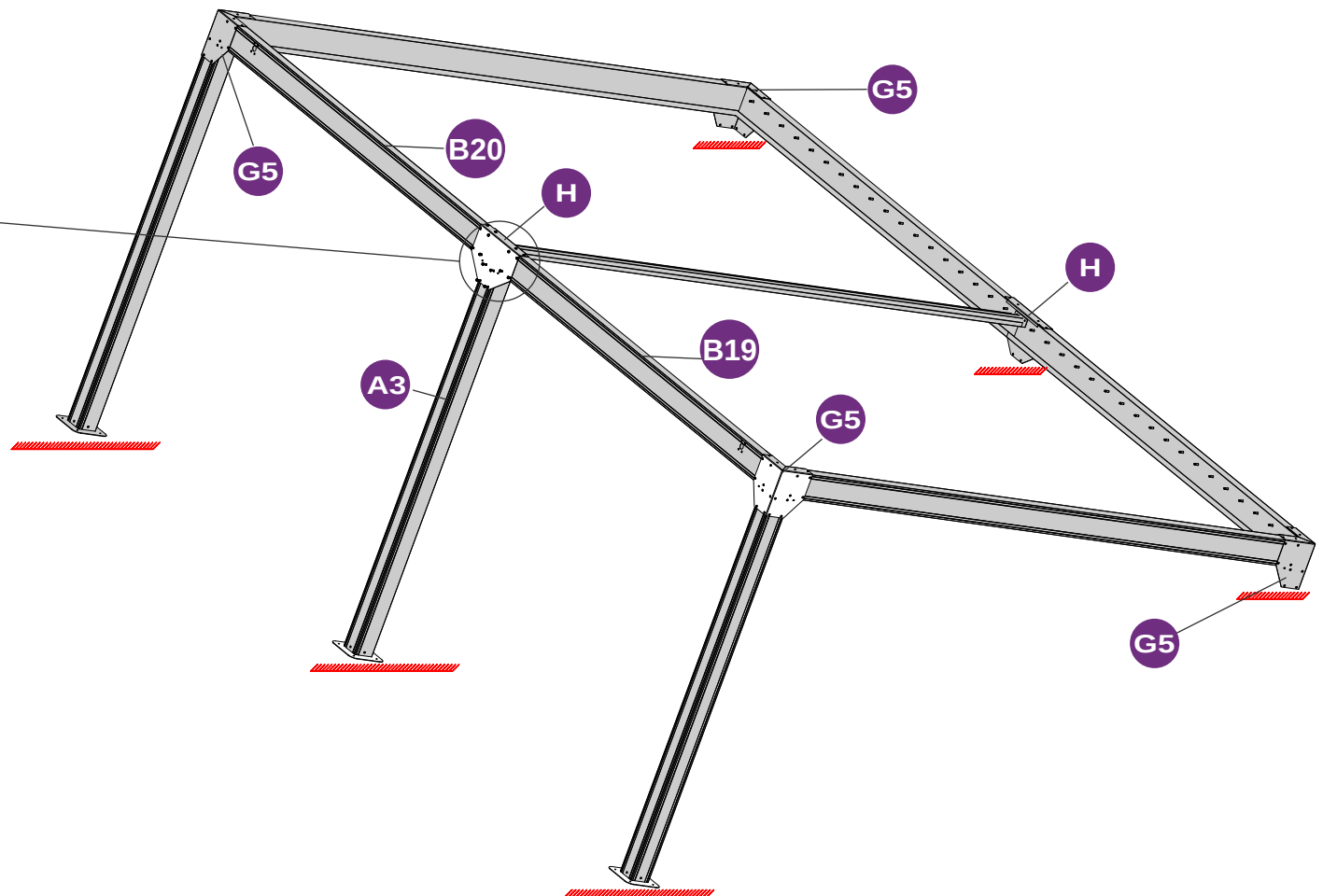
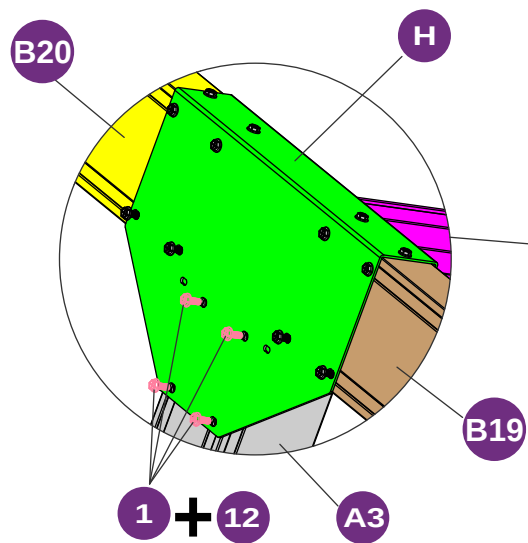
STEP 2



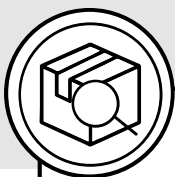


1 x 4 

12 x 4 



STEP 2



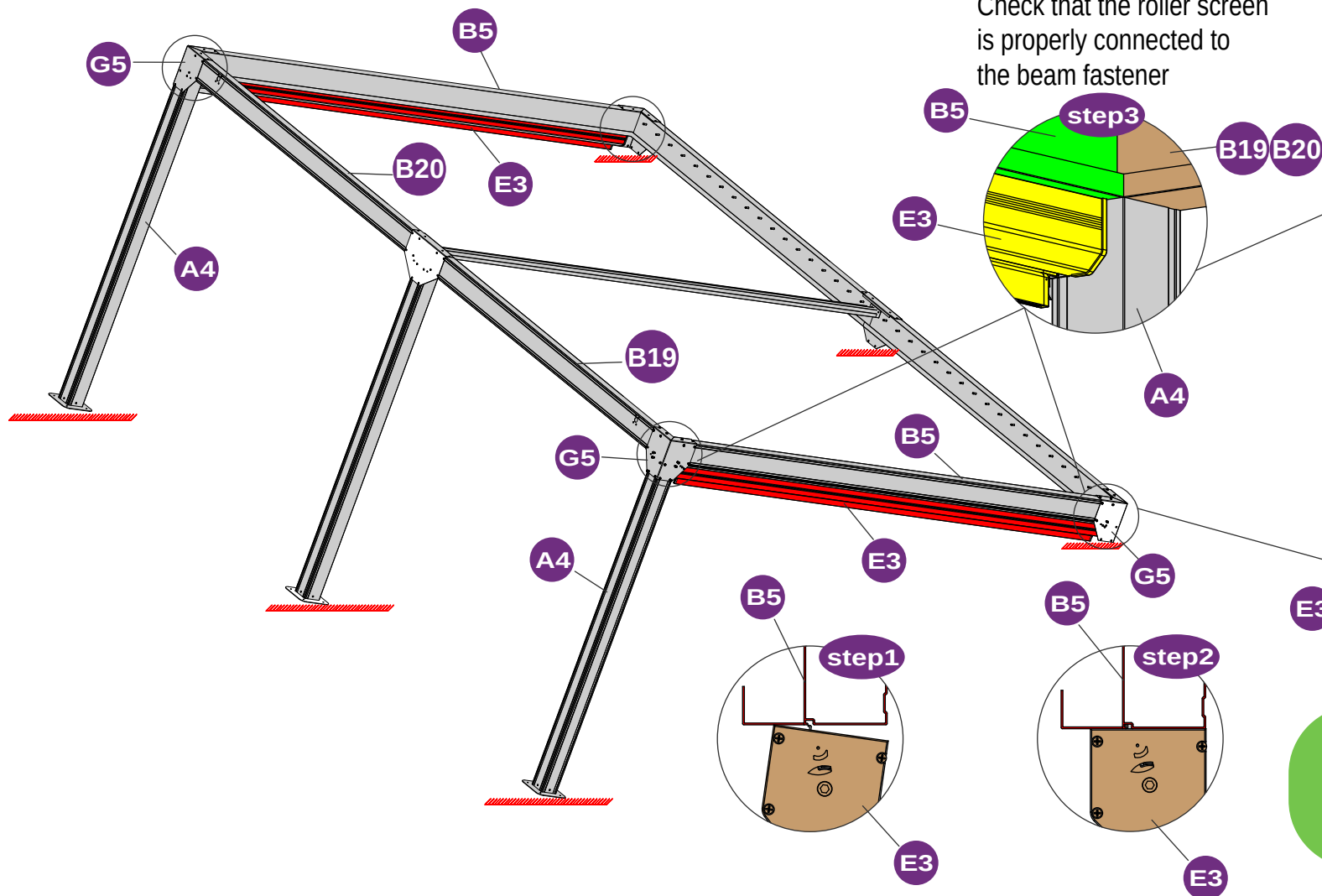
E3 x 2



2 x 4

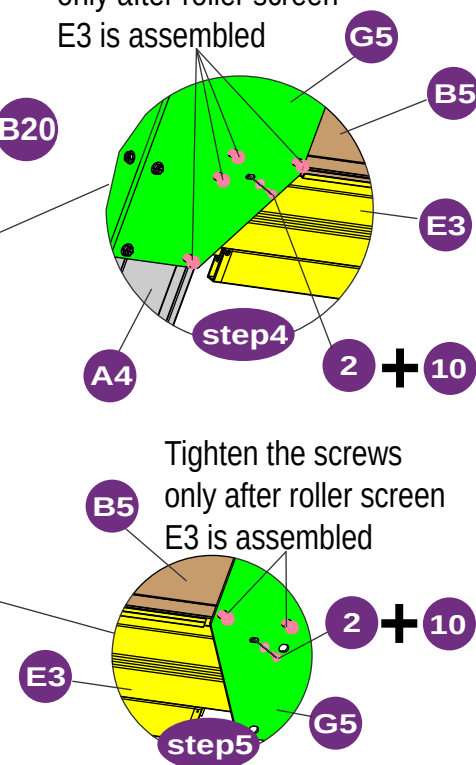


10 x 4



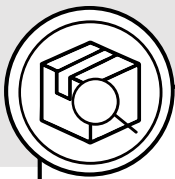
Check that the roller screen is properly connected to the beam fastener

Tighten the screws only after roller screen E3 is assembled

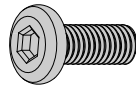


Tighten the screws only after roller screen E3 is assembled

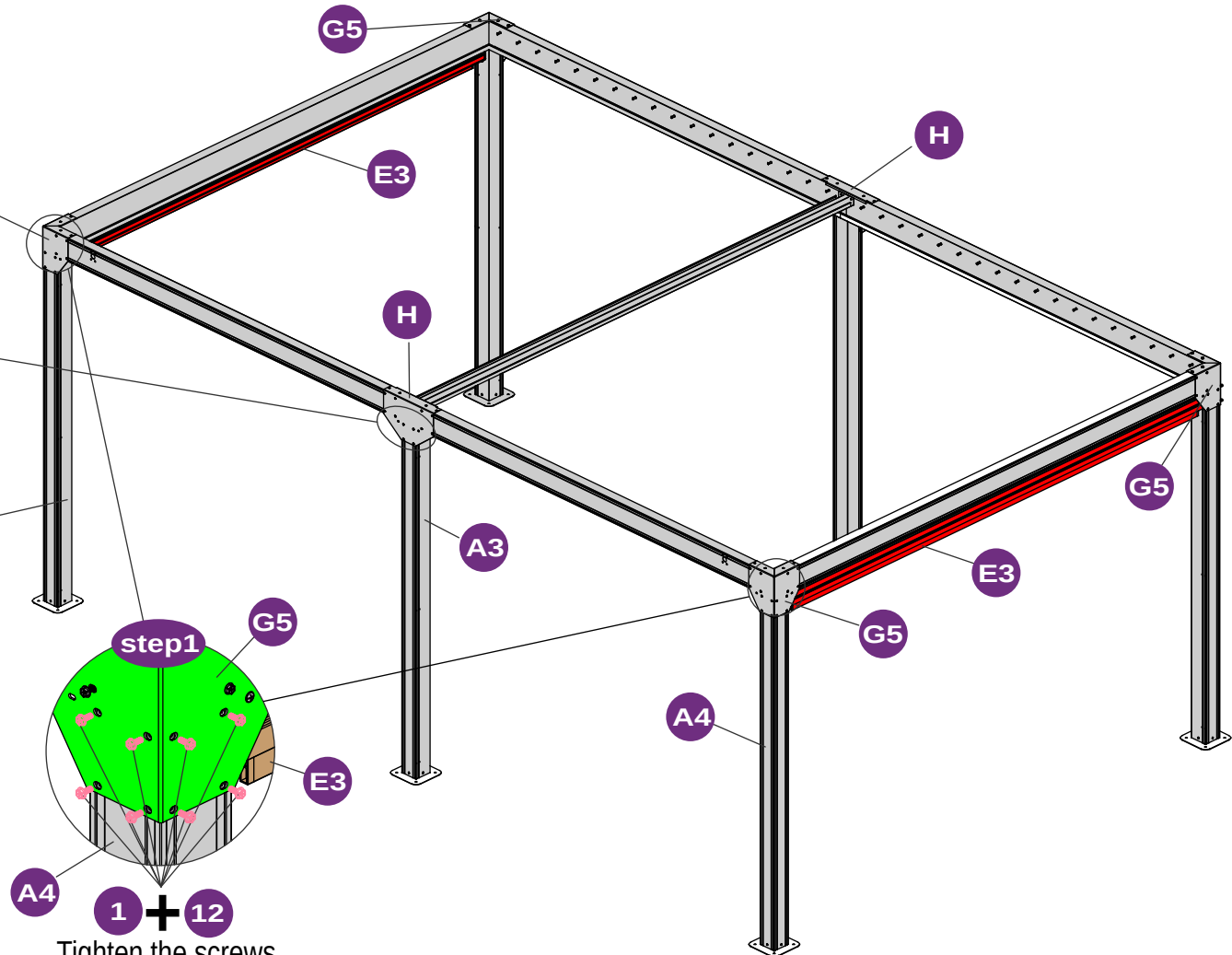
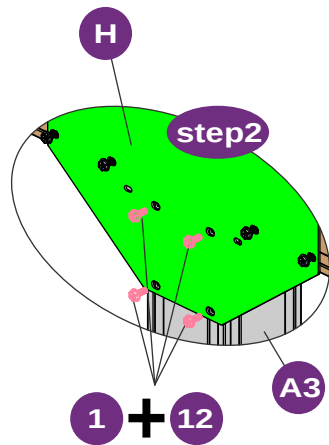
STEP 2



1 x20

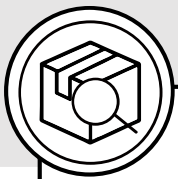


12 x20



STEP 2

Tighten the screws
only after roller screen
E3 is assembled



K x 2



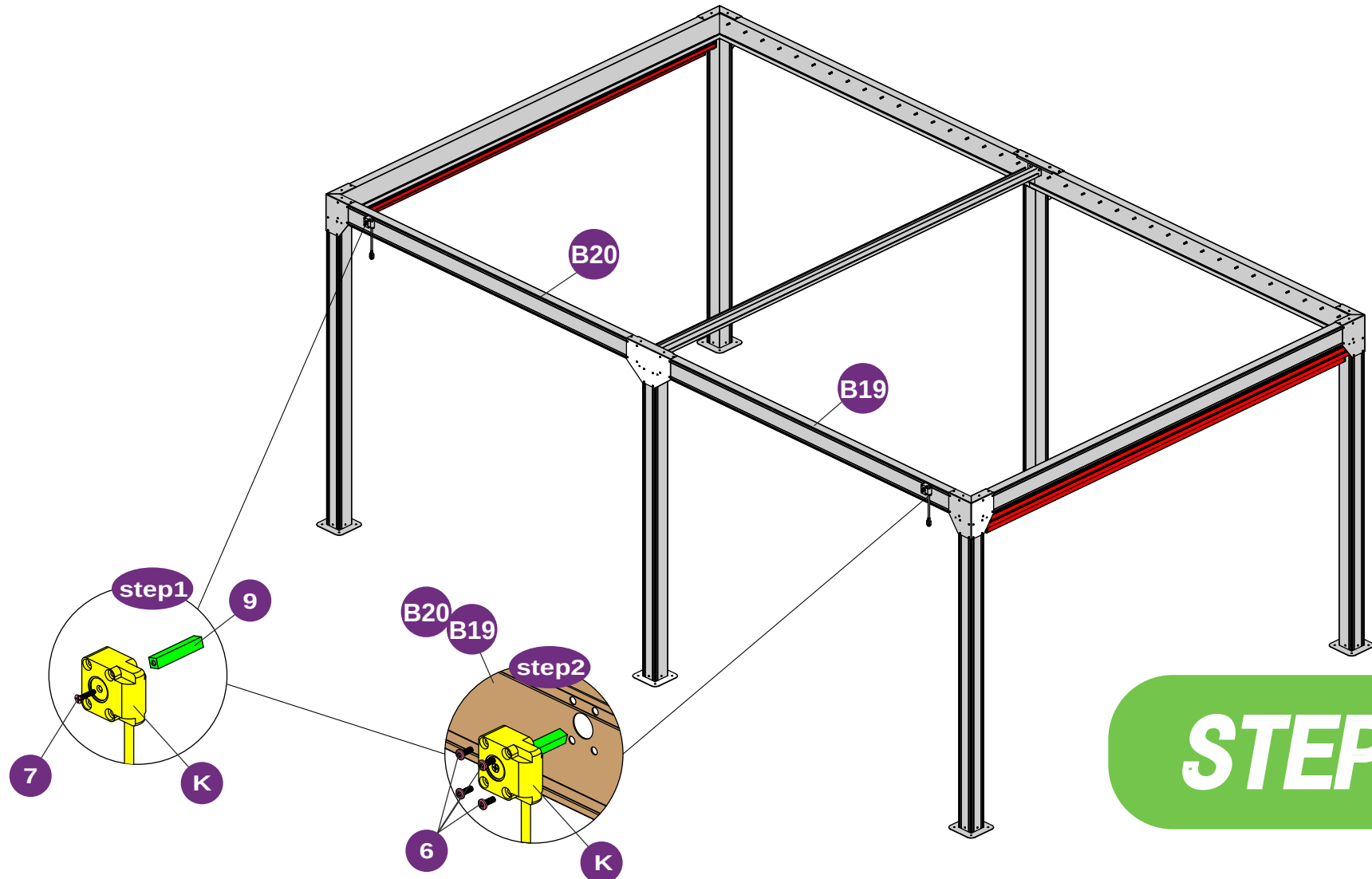
9 x 2



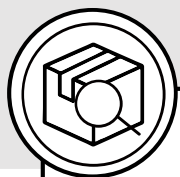
6 x 8



7 x 2



STEP 2



D6 x 1

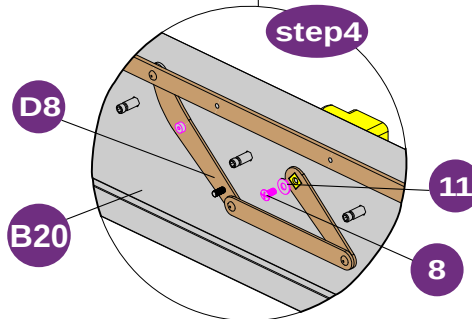
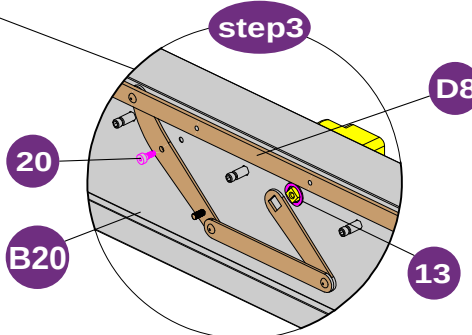
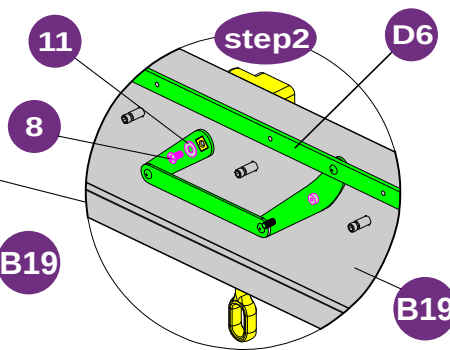
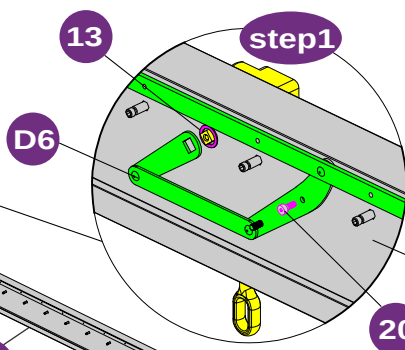
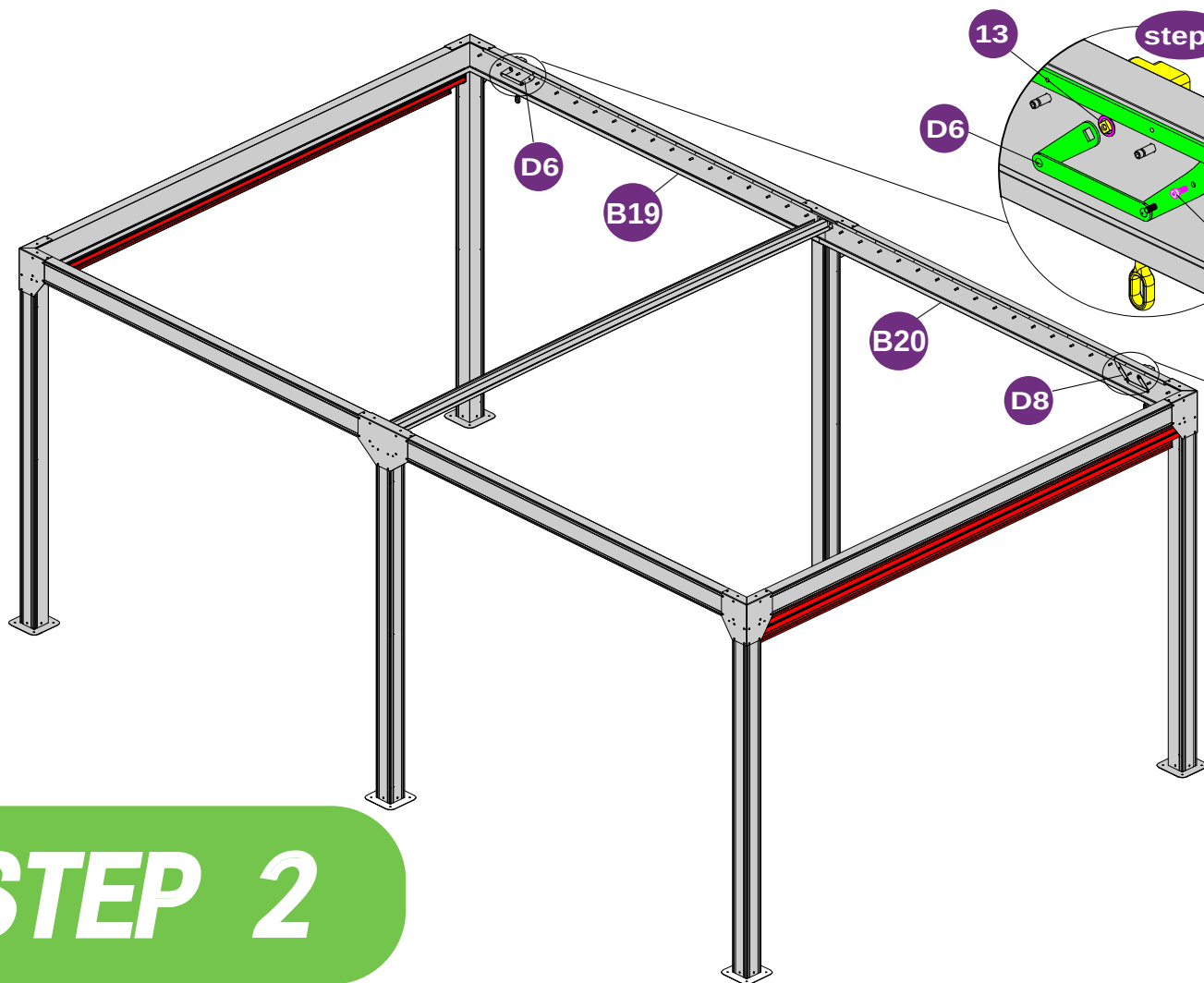
D8 x 1

13 x 2

8 x 2

11 x 2

20 x 2



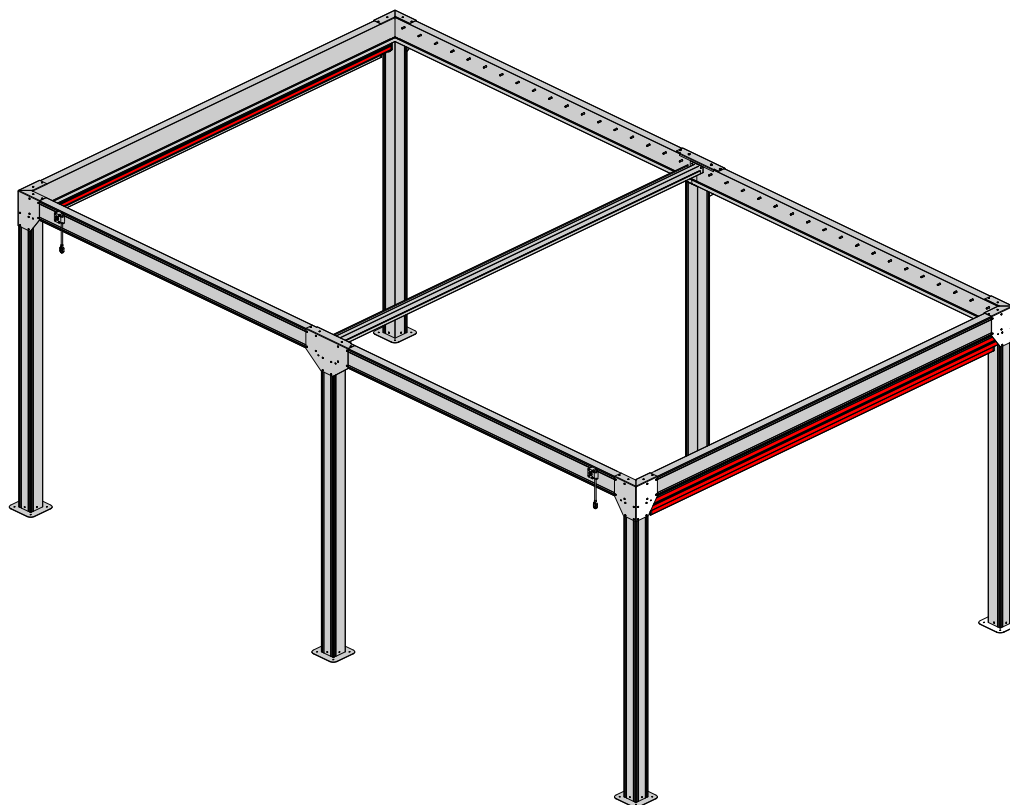
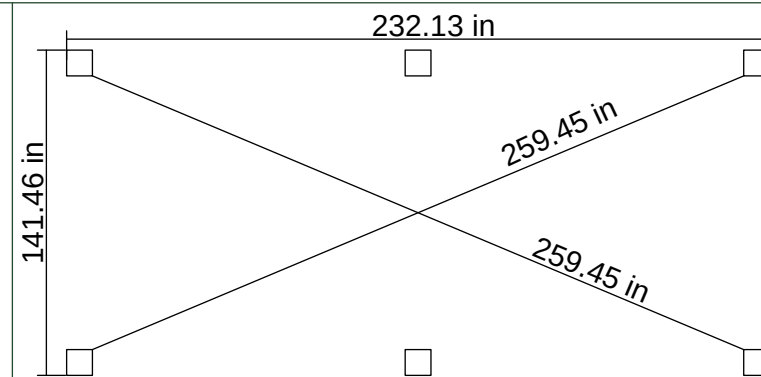
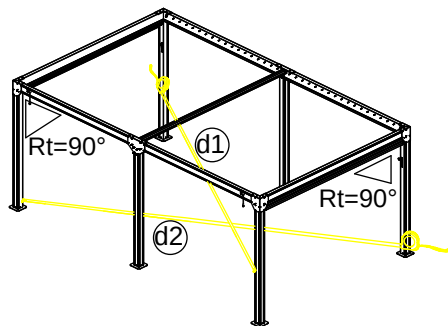
STEP 2

Before the next step, ensure the frame is square:

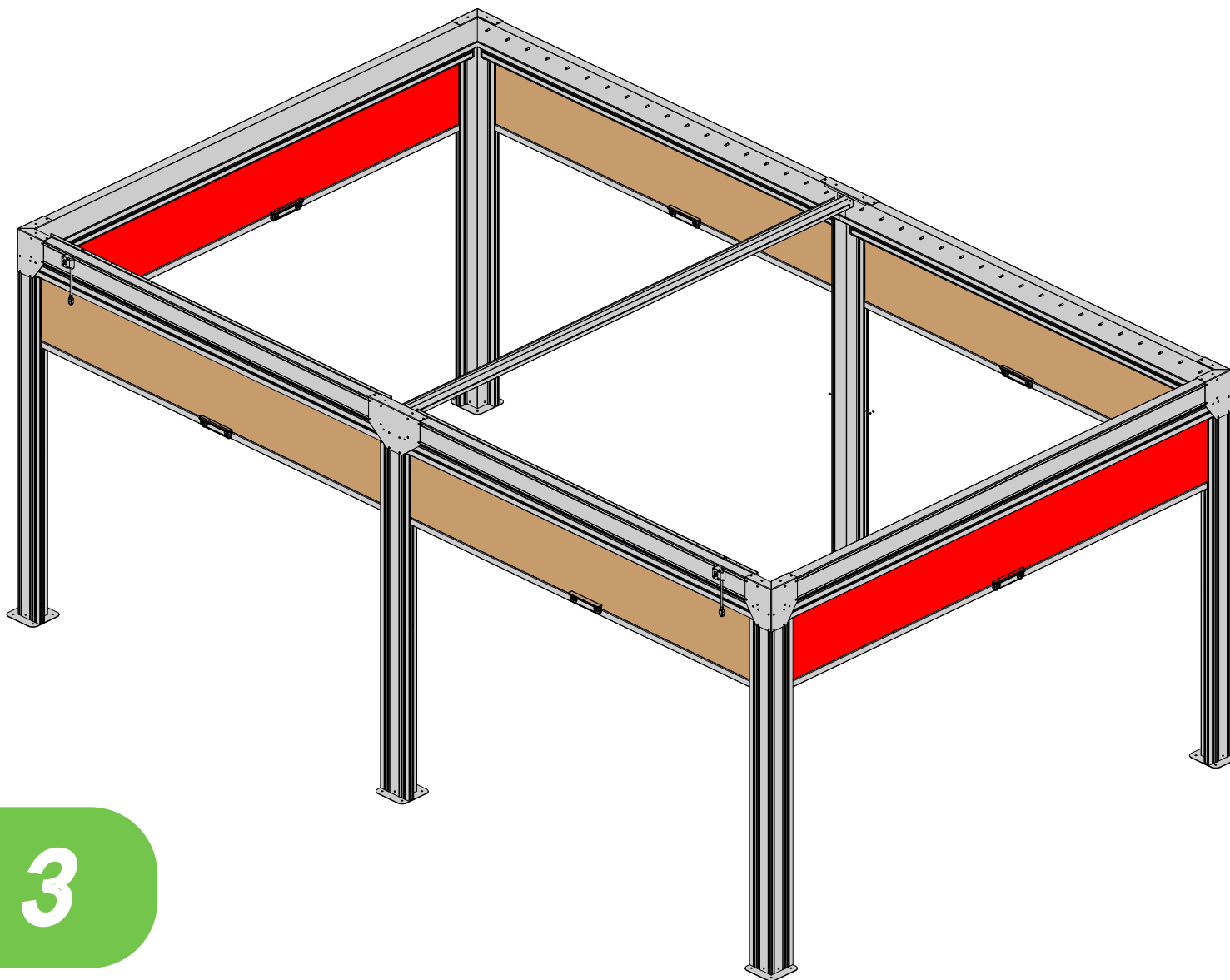
- ① The diagonal dimensions are identical.
- ② The beams are level.
- ③ The posts are perpendicular and plumb to the beams.

Important

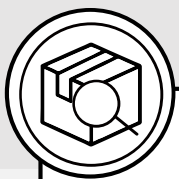
① $d1=d2$



STEP 3



STEP 3



E1 x 4



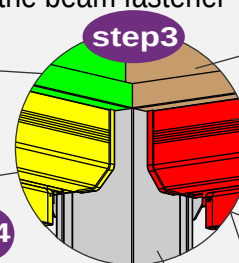
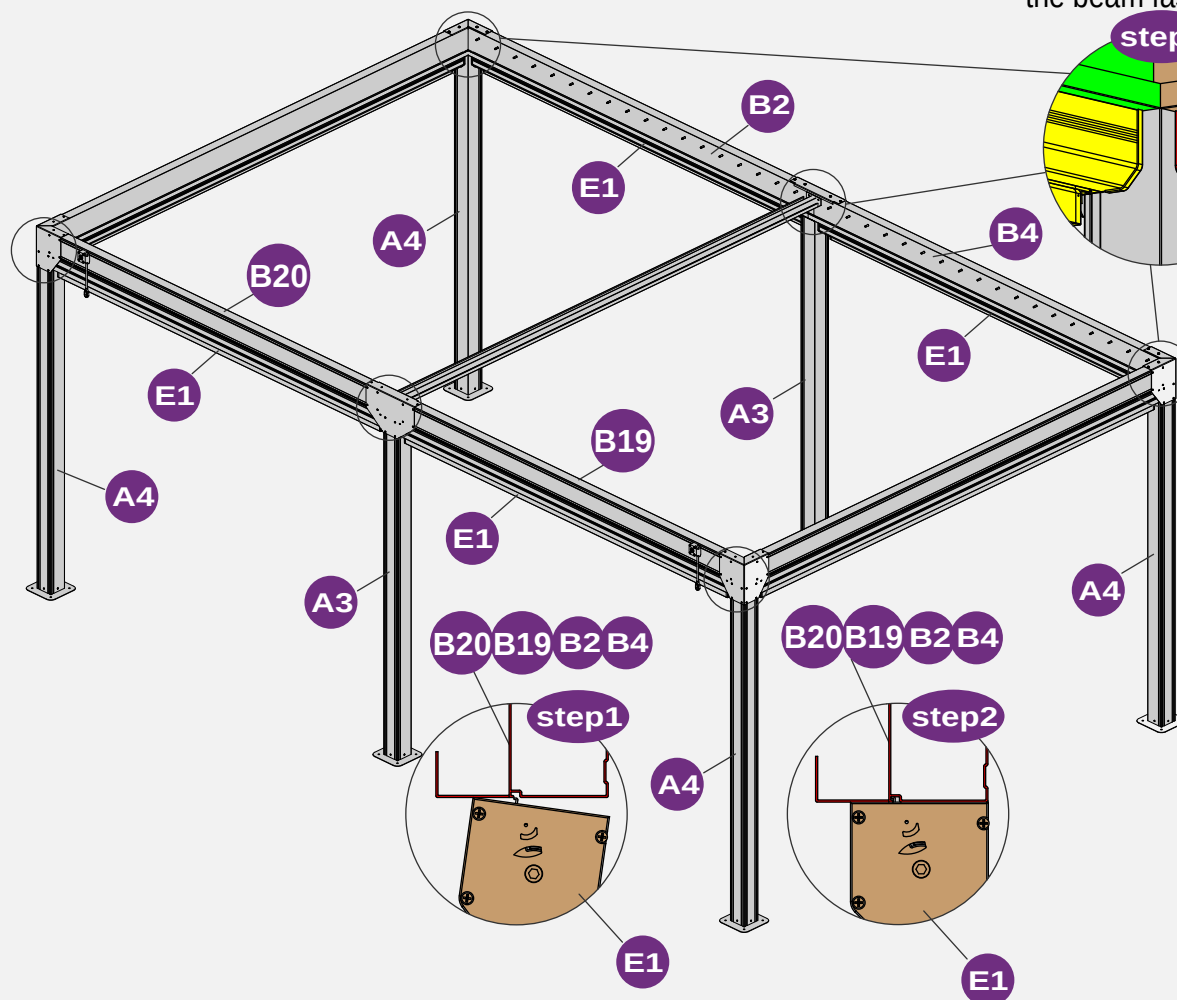
2 x 8



10 x 8

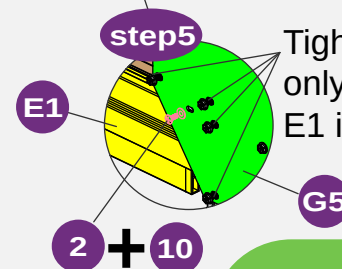
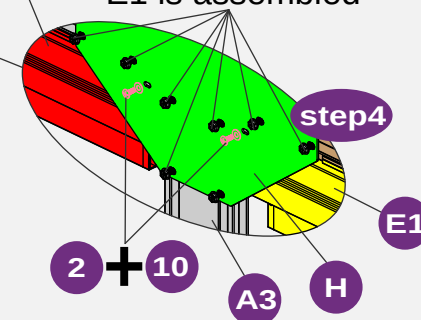


Check that the roller screen is properly connected to the beam fastener

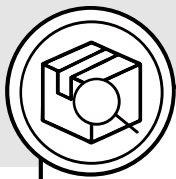


B20 B19 B2 B4

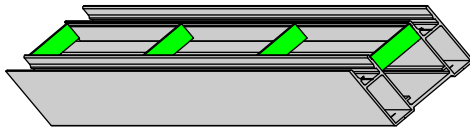
Tighten the screws only after roller screen E1 is assembled



STEP 3



F1 x12



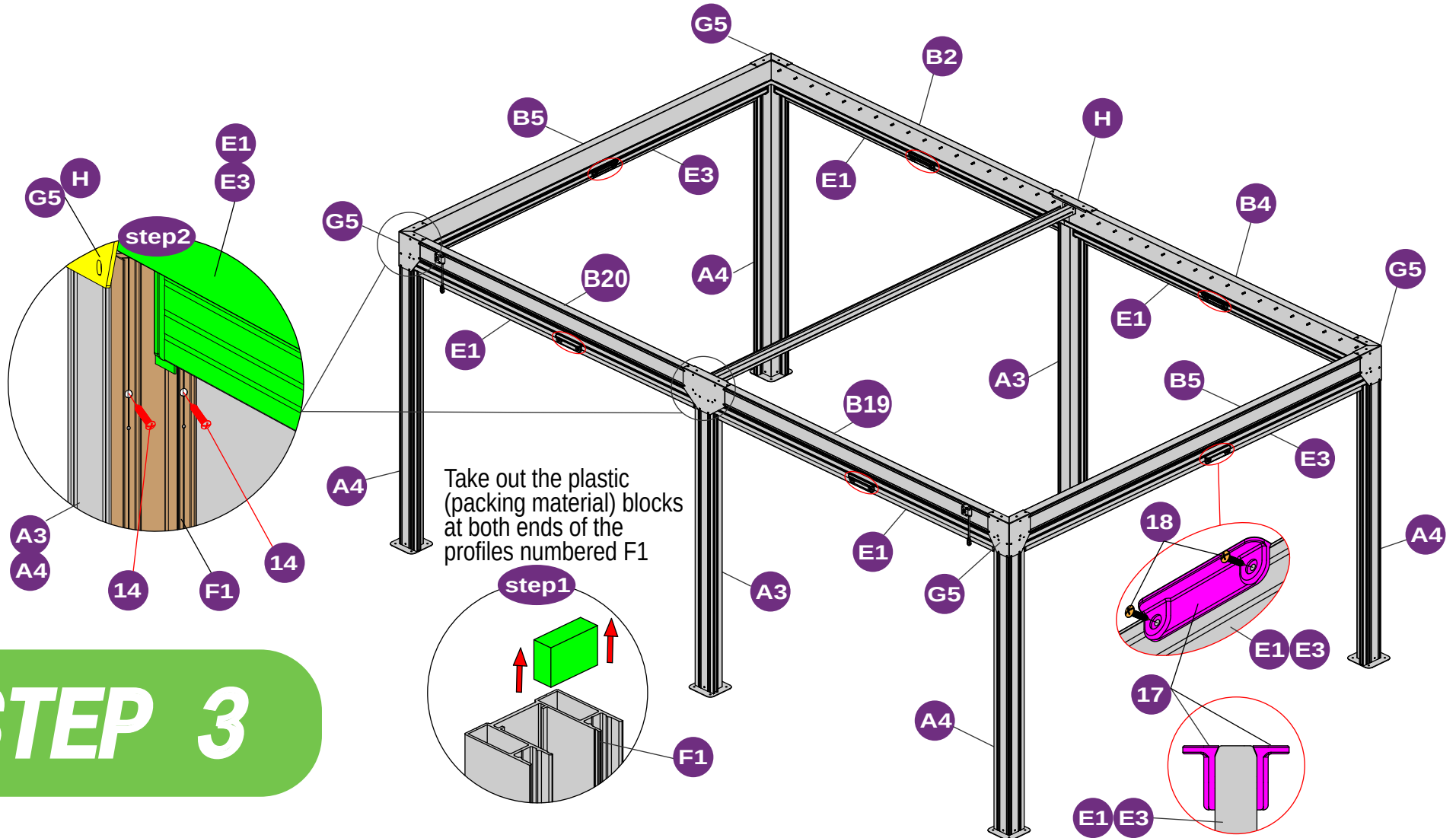
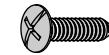
14 x72



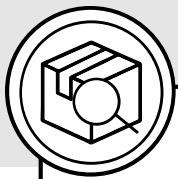
17 x12



18 x24



STEP 3



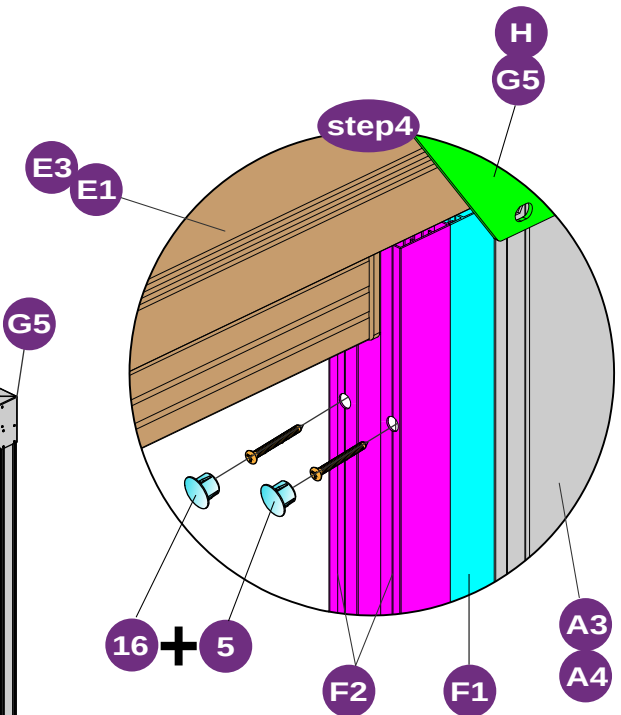
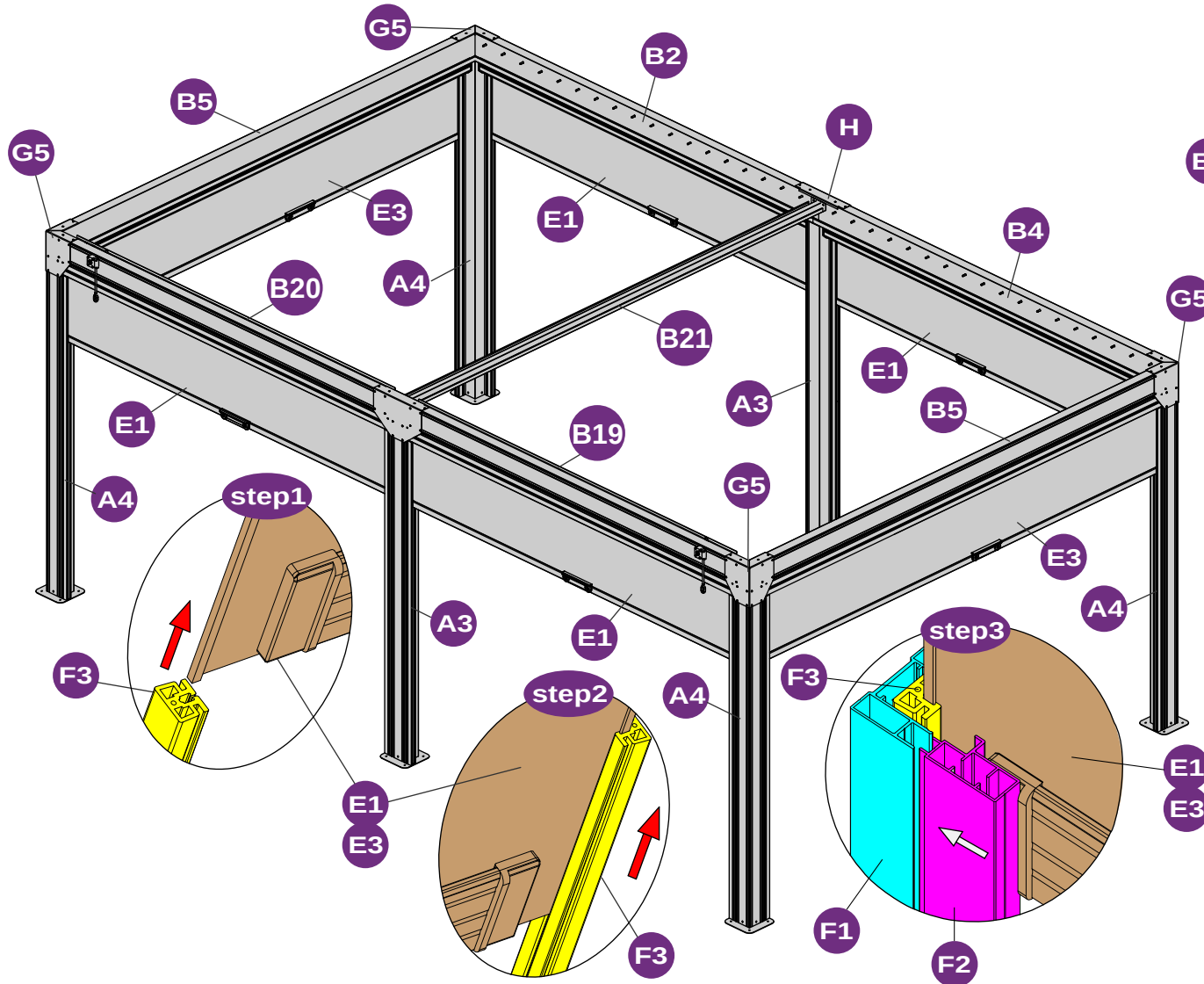
F3 x12



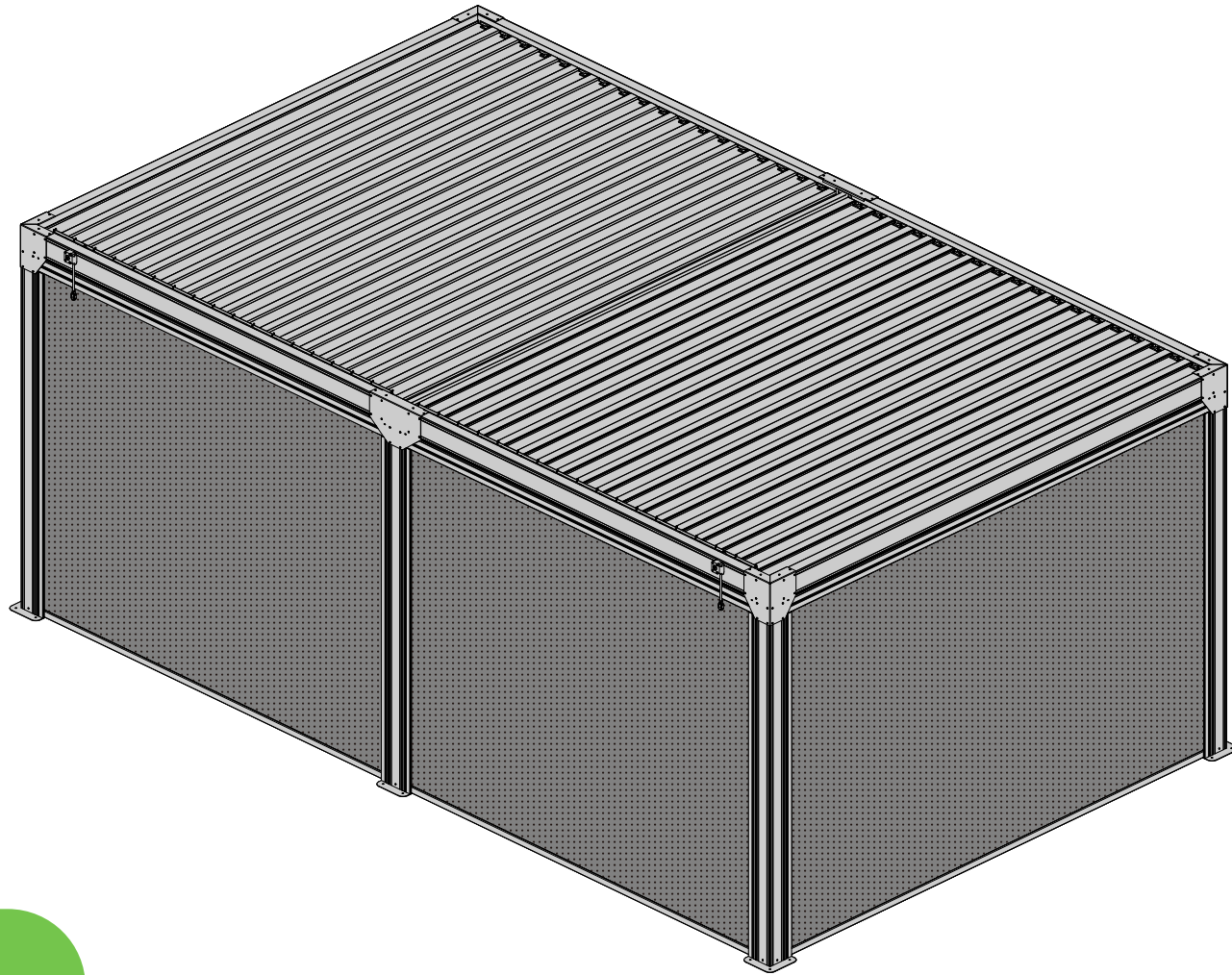
F2 x24



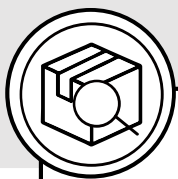
16 + 5 x72



STEP 3



STEP 4



C5 x 2



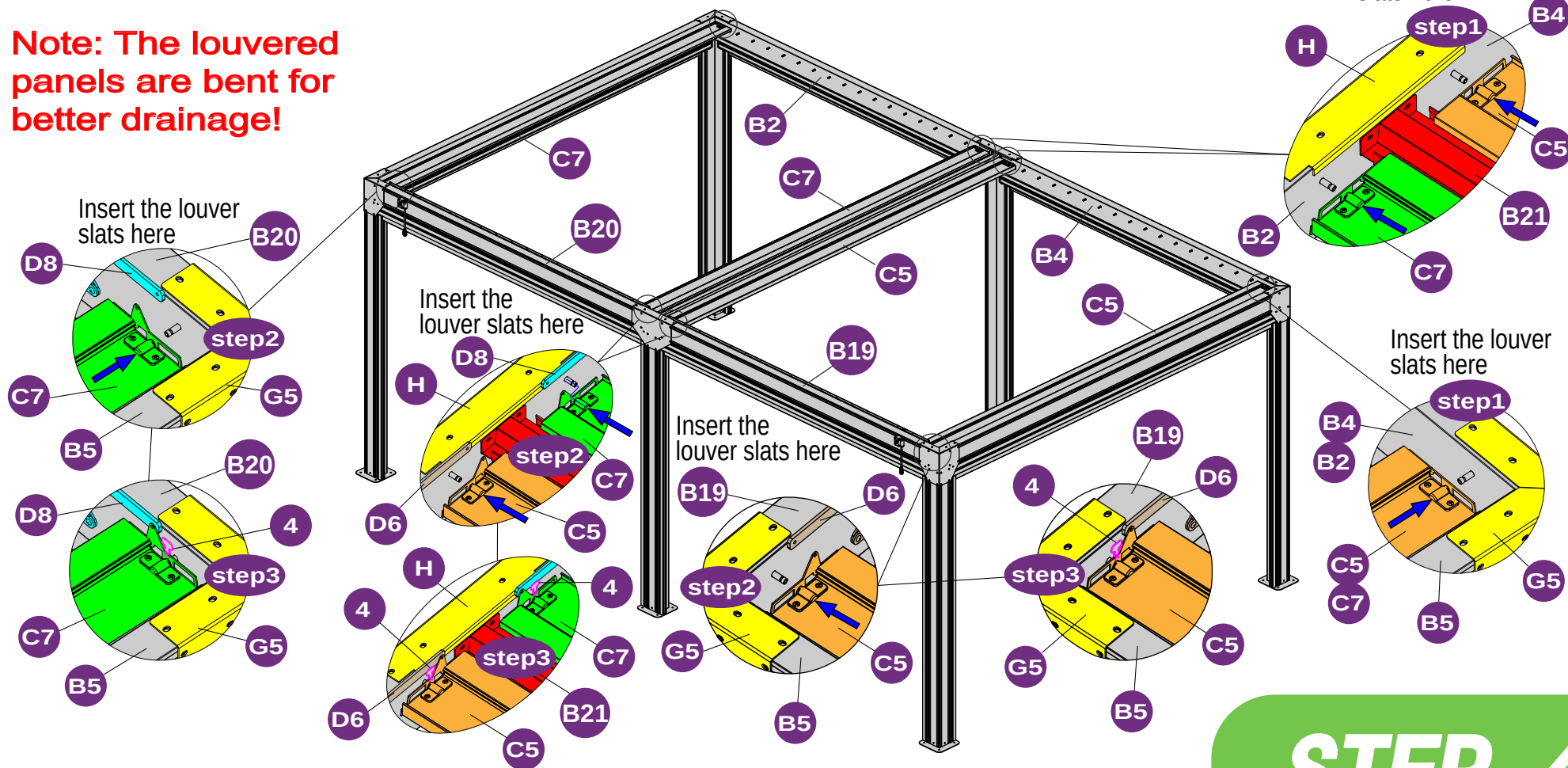
C7 x 2



4 x 4

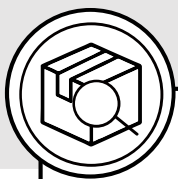


Note: The louvered panels are bent for better drainage!



Remove the protective film from the louvered panel before installation.

STEP 4



C5 x16



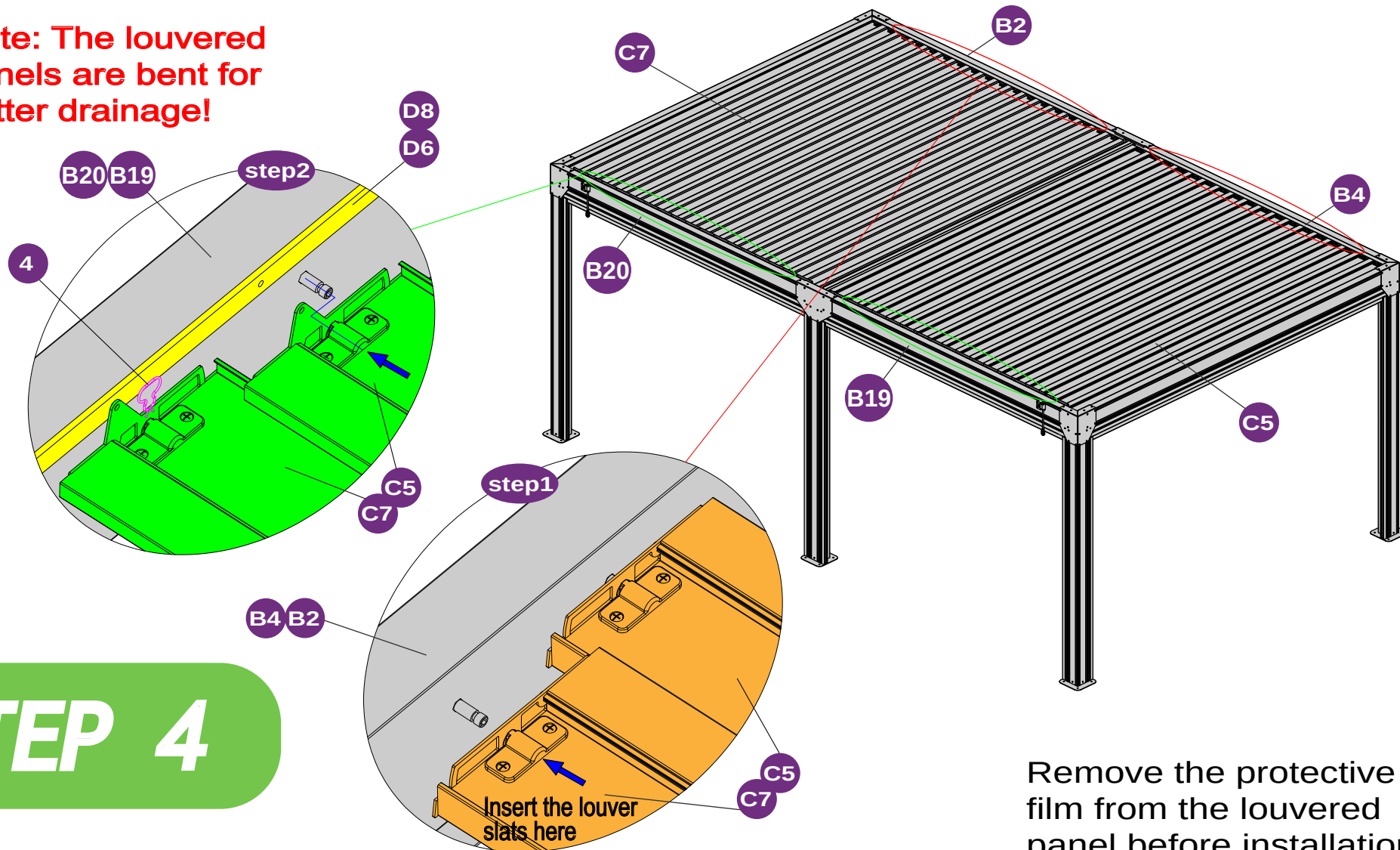
C7 x16



4 x32

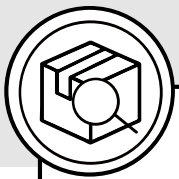


Note: The louvered panels are bent for better drainage!



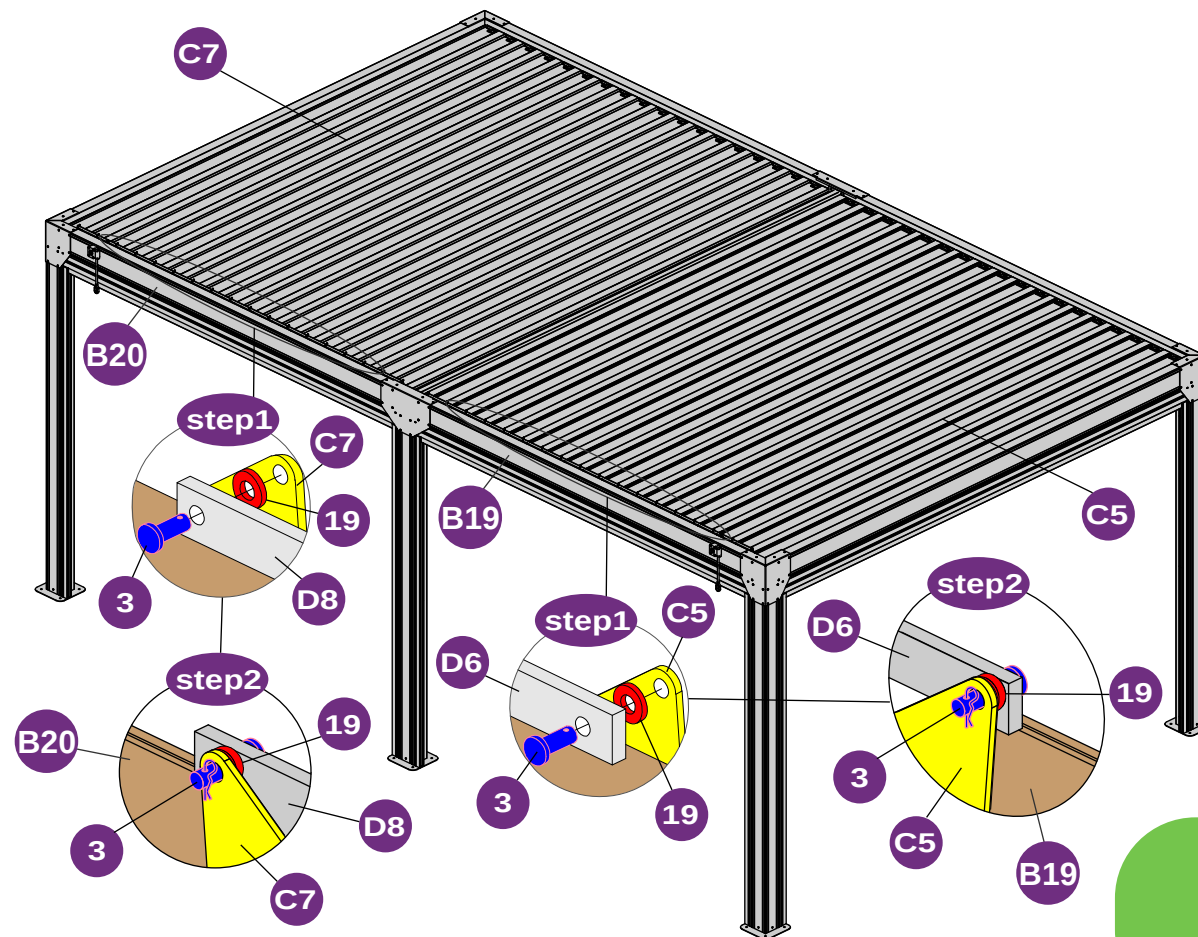
STEP 4

Remove the protective film from the louvered panel before installation.

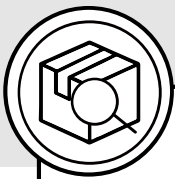


3 x36 

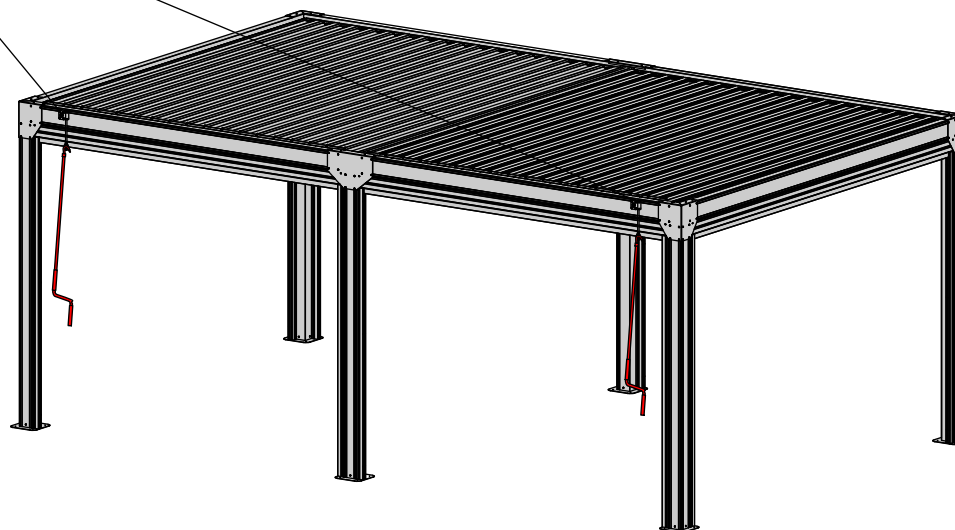
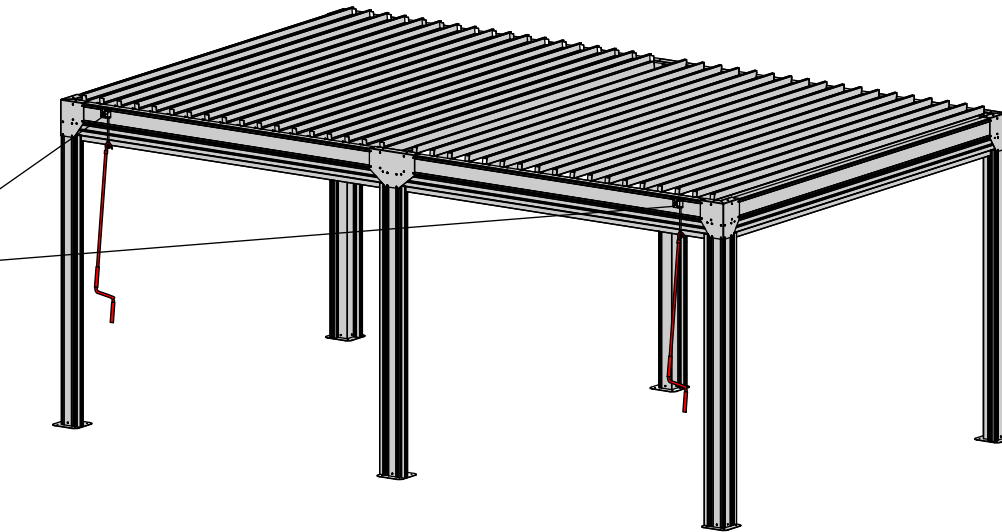
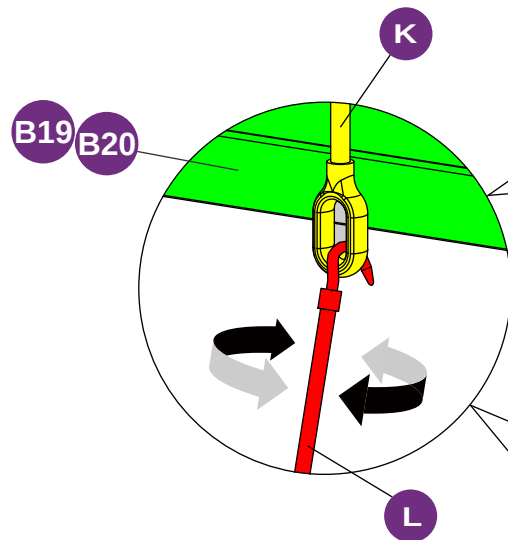
19 x36 



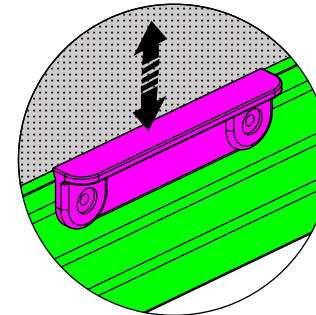
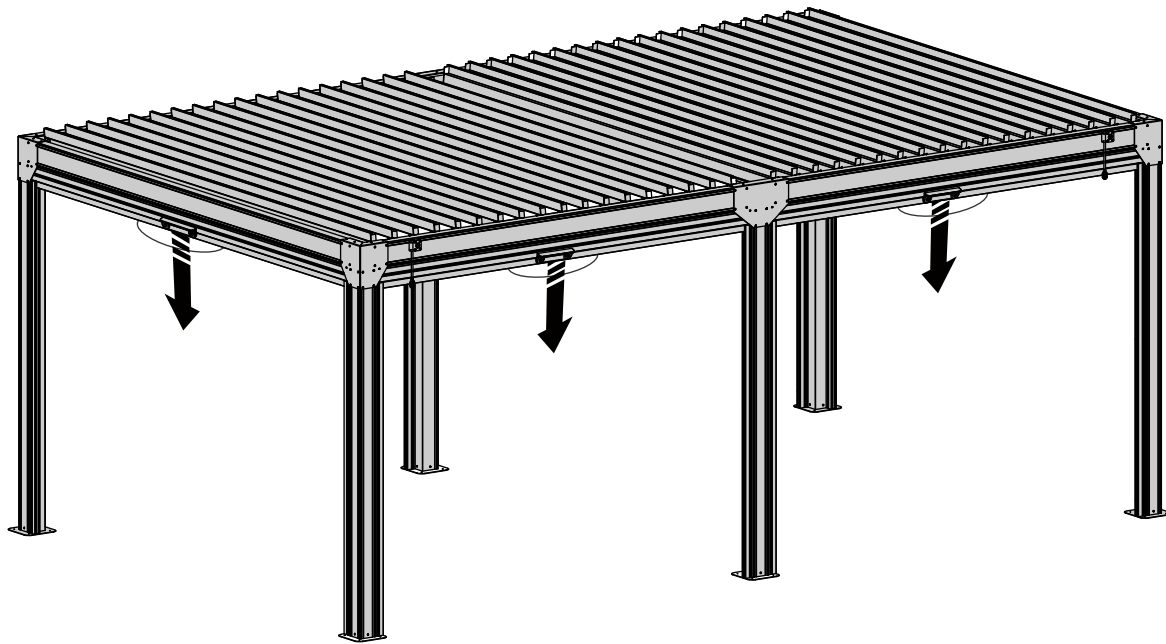
STEP 4



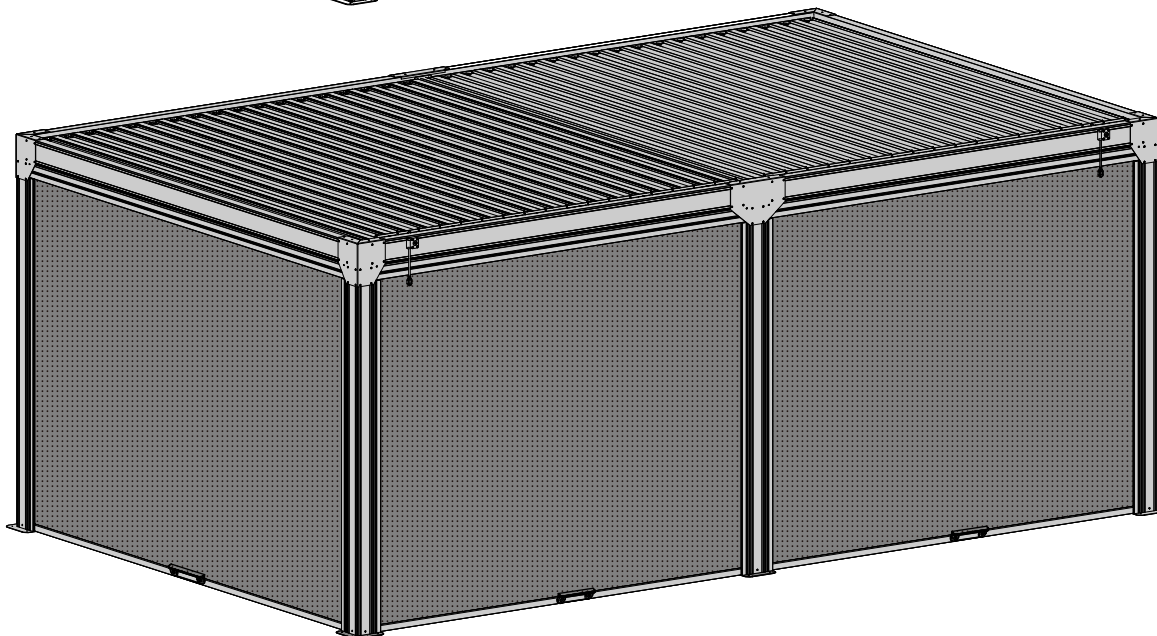
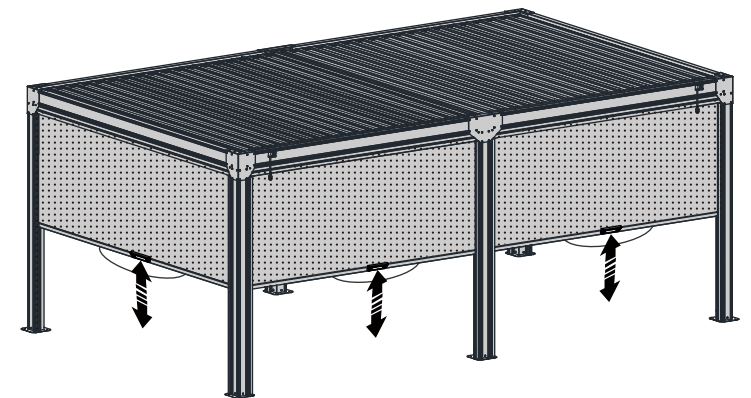
L x 2



STEP 4



Roller shutter handle



STEP 4

Carton-1/7	
Part	Qty
A3	2
A4	4
F1	12
F2	24
F3	6

Carton-2/7	
Part	Qty
B19	1
B2	1
B20	1
B4	1
G5	4
H	2
J	6
K	2
L	2
1.2.3.4.5.6 7.8.9.10.11 12.13.14.15 16.18.19.20 21.22.23.24 25.26	2

Carton-3/7	
Part	Qty
B5	2
B21	1
E3	2
D6	1
D8	1
F3	6
17	12

Carton-4/7	
Part	Qty
E1	4

Carton-5/7	
Part	Qty
C5	12

Carton-6/7	
Part	Qty
C7	12

Carton-7/7	
Part	Qty
C5	6
C7	6

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.