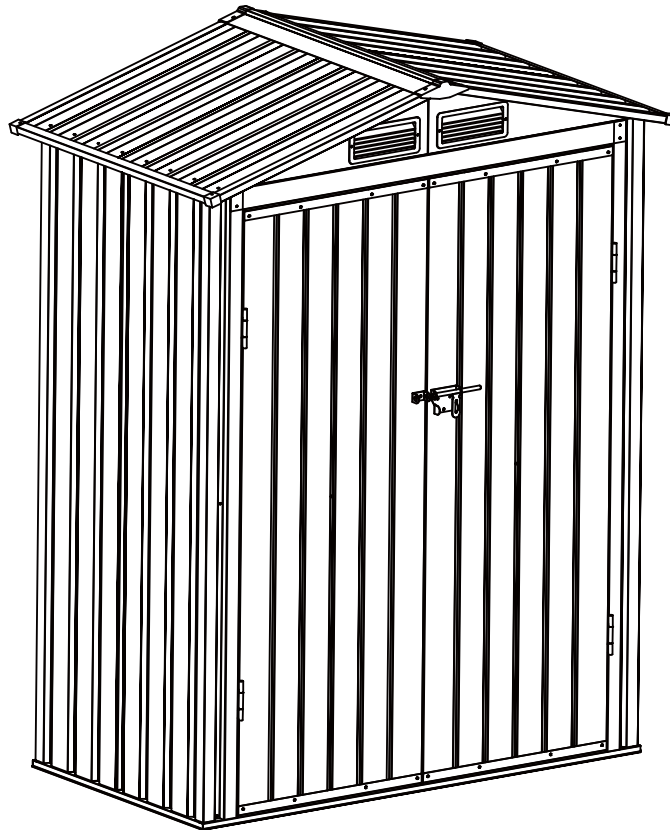


ASSEMBLY INSTRUCTION



Requires two or three people and takes 3-4 hours for installation.

Quick & Easy Assembly

Ridge Reinforced Walls

WARNING: READ INSTRUCTION MANUAL BEFORE ATTEMPTING TO ASSEMBLE OR OPERATE THIS PRODUCT.

About installation
About usage
About product
About return
Others

Customer Service Email: customercare@lava-star.com
If you have any questions, please do not hesitate to contact us. We will ensure to provide you with a response within 24 hours.

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BEFORE YOU START

Owner's Manual

Prior to installation, it is important that you contact your local government authority to determine if building approval is required.

Please read carefully and make sure you understand this owner's manual as it includes important information and helpful tips which will make the installation easier and more enjoyable.

Assembly instructions

Instructions are included in this manual and contain all relevant information for your model building. Review all instructions before you begin. During assembly, follow the step sequence carefully to ensure proper installation. Please be aware: **this unit requires two or three people about 3-4 hours to complete.**

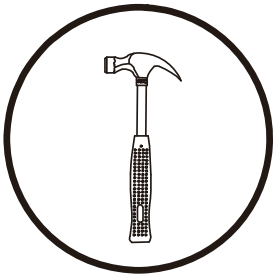
Parts

Check to be sure that you have all the necessary parts for the installation.

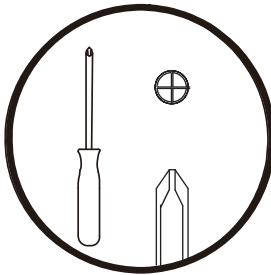
Separate contents of the carton by the part number while reviewing parts list.

Familiarize yourself with the hardware and fasteners for easier use during construction. These are packaged within the carton. Note that extra fasteners have been supplied for your convenience.

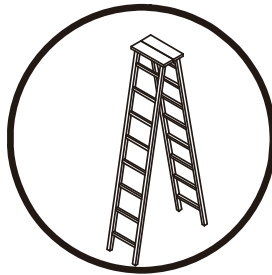
TOOLS REQUIRED



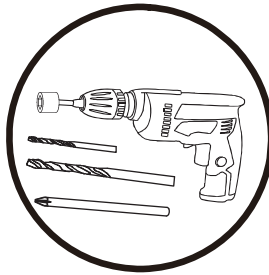
Hammer



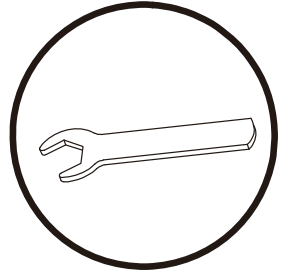
Screwdriver



Ladder



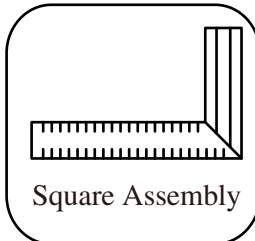
Electric screw driver



Wrench

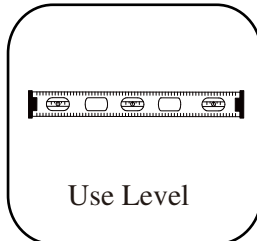


This identifies information that requires special attention. Improper assembly could lead to an unsafe or dangerous condition.



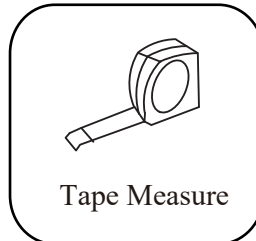
Square Assembly

Check that assembly is square before tightening bolts.

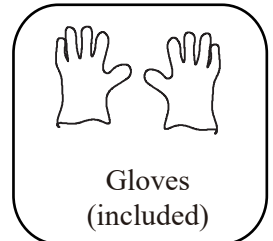


Use Level

Check that set or assembly is properly level before proceeding.



Tape Measure

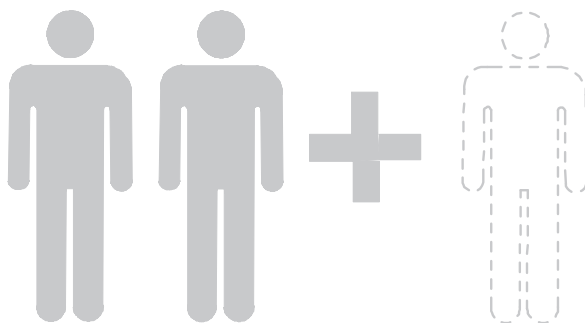


Gloves (included)

IMPORTANT

How many people needed for the installation work?

Requires two or three people and takes 3-4 hours for installation.



PLAN AHEAD

Site Selection

Avoid overhanging trees as much as possible as leaves will make regular cleaning necessary and broken branches are a potential hazard.

Small trees, bushes or fences nearby can be helpful, acting as a wind break.

Site Preparation

The site must be prepared so that the base of the shed is level all round and checking with a spirit level is required.

The base can be constructed by treated timber or concrete, in order to stop the moisture getting into the shed.

The shed is not designed to be built on the lawn directly. Also the ground will get muddy during rainy days. If a concrete pad is made, it is important that this slopes towards the edges to prevent water ingress. Time must be allowed for any concrete or cement to dry before building the shed on top.

Bases can also be constructed from bricks, blocks, or mounted on a concrete pad.

The bricks or blocks should be cemented onto firm and level concrete footings and the greenhouse frame drilled and screwed to the base.

IMPORTANT NOTES:

Find someone to help you: it is much easier with someone to hold parts, pass tools ect. Also some steps require two people to lift structures together. This is not very heavy work so would suit most able-bodied people.

Allow plenty of time: rushing often causes errors and the re-doing of incorrect assemblies. If you have never built a shed before, it can take most of a day to carefully complete the construction.

Have the right tools in hand.

Safety clothing as recommended in the 'Tools' section.

Ideally let out the parts and check that all are present before commencing construction. Lay on cloths or plastic sheets if there is any risk of scratching the parts.

Tighten all nuts carefully, being sure not to miss any. Check the frame is square and using a spirit level to check that it is upright.

For your safety concern, please do not stand under the metal shed in heavy wind or snow days.

DO NOT install the metal shed in wind or snow days.

For safety, please use expansion screws to reinforce the posts to the ground.

Please clear the snow off the roof in time if there is a heavy snowfall.

Make sure all screws are tightened before use. Repeat to confirm all screws, buckles and straps are tightened every 90 days.

Please keep all screws loose during the assembly process and tighten them after completing the installation.

Do not use or store objects in the Metal Shed with open flames or flammable chemicals.

Please note that some parts have sharp edges and should be handled with gloves.

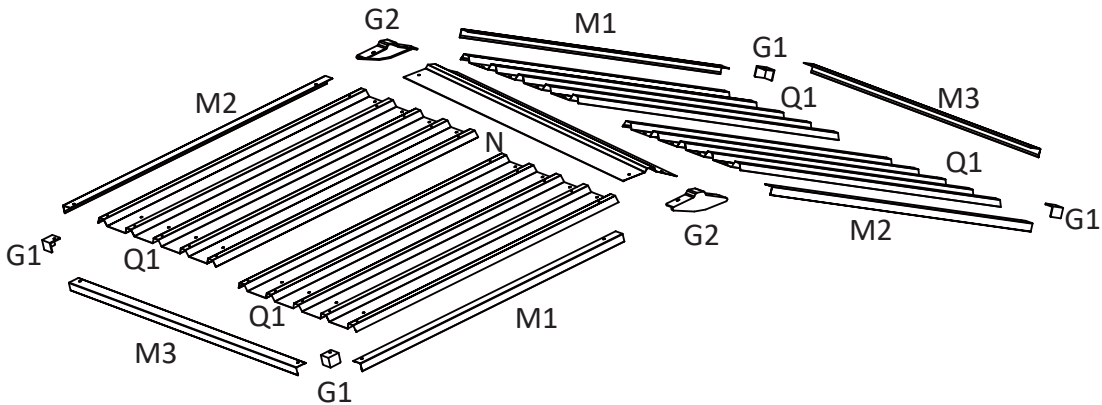
If any parts are missing, broken, damaged or worn, discontinue use of the product until repairs are made or factory replacement parts are installed.

Failure to install the product according to the manufacturer's instructions may void the warranty policy for this product.

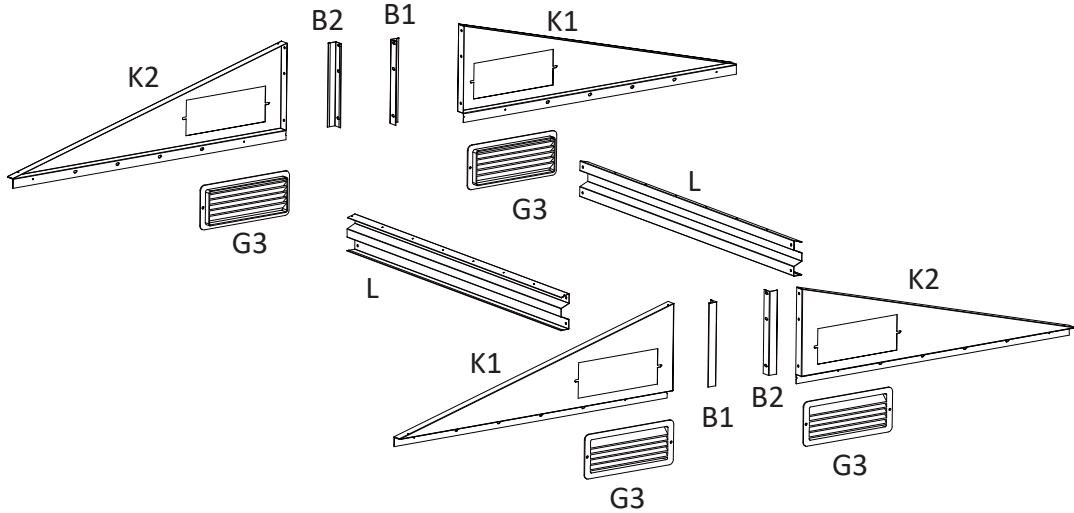
PARTS

Before installation, please place the parts in the position as shown in the figure below.

Shed top panels	
No.	Qty.
G1	4
G2	2
M1	2
M2	2
M3	2
Q1	4
N	1



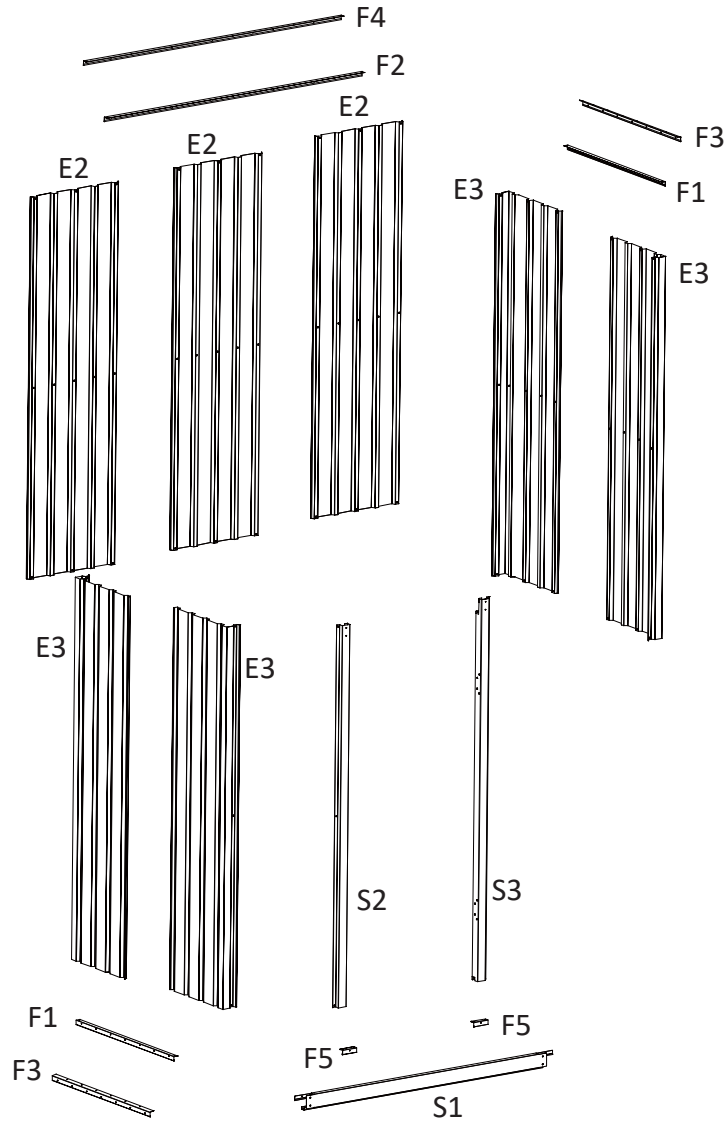
Shed top frame	
No.	Qty.
G3	4
B1	2
B2	2
K1	2
K2	2
L	2



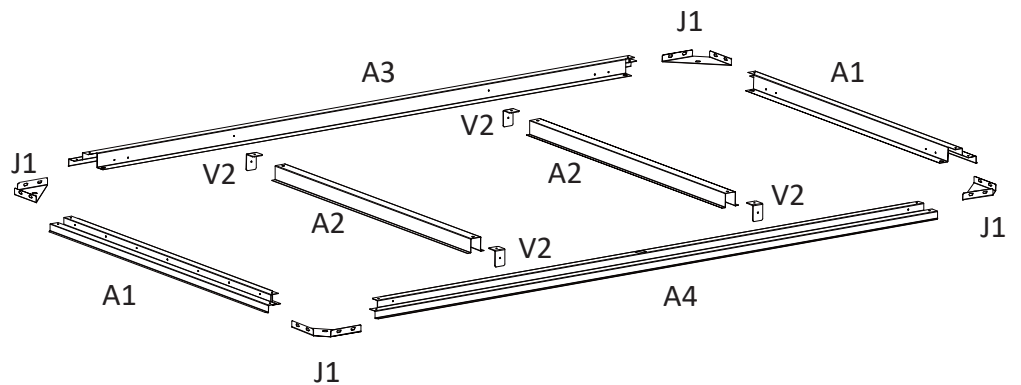
PARTS

Before installation, please place the parts in the position as shown in the figure below.

Shed Side Frames & Panels	
No.	Qty.
F1	2
F2	1
F3	2
F4	1
F5	2
S1	1
S2	1
S3	1
E2	3
E3	4



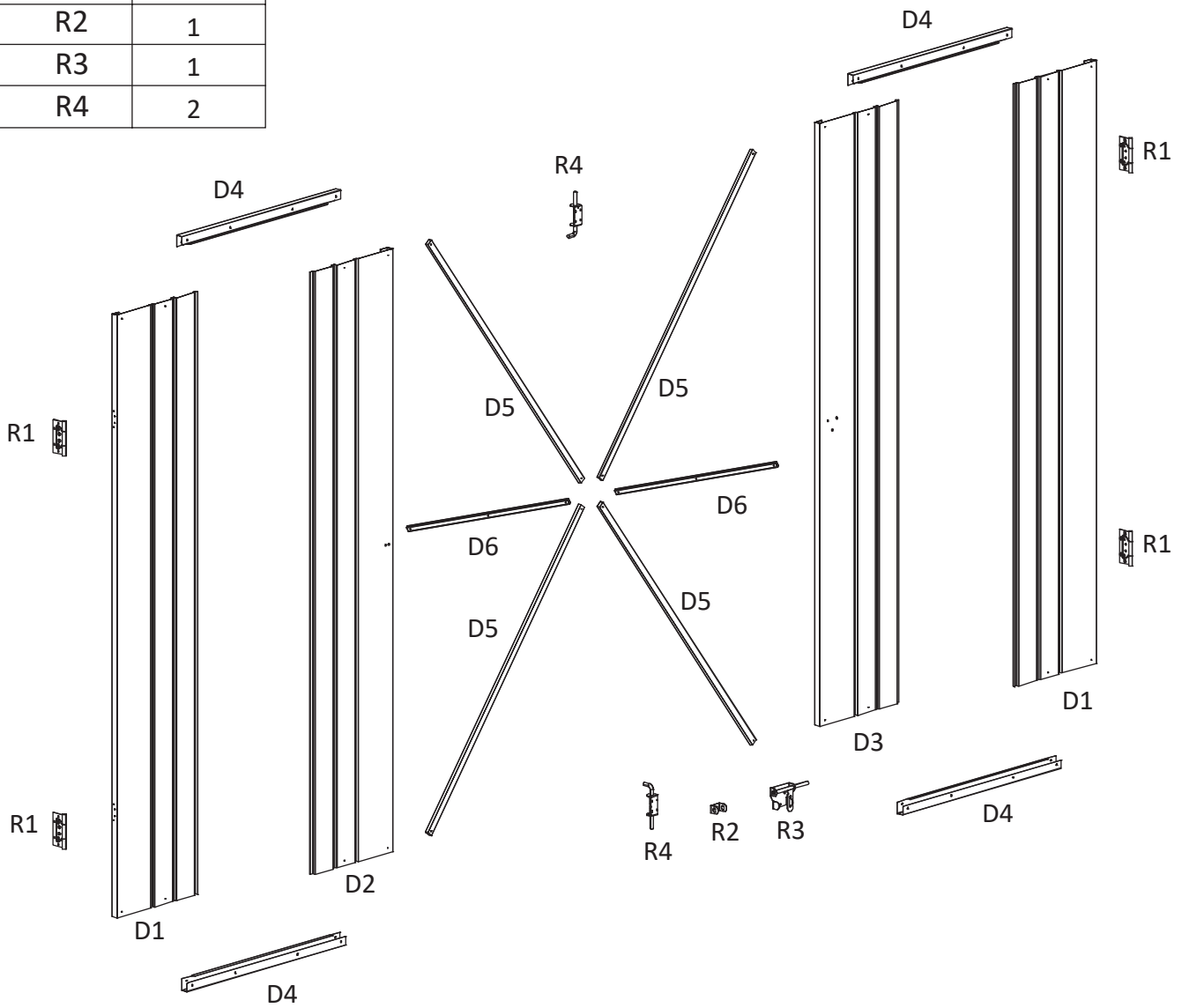
Shed base	
No.	Qty.
A1	2
A2	2
A3	1
A4	1
V2	4
J1	4



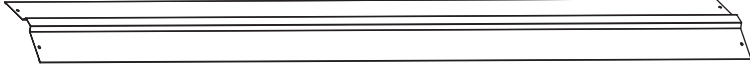
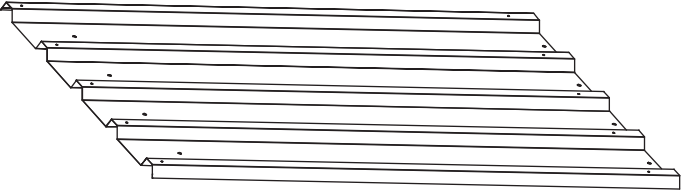
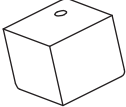




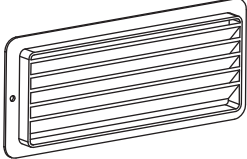


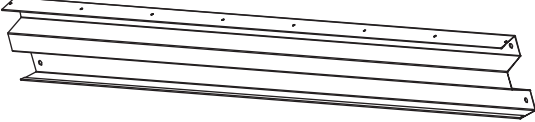
PARTS

Before installation, please place the parts in the position as shown in the figure below.

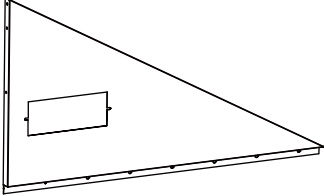
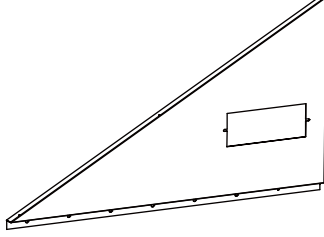


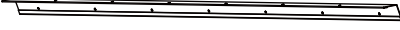



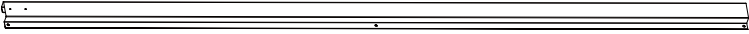
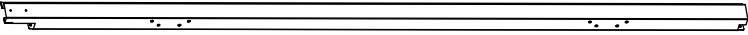
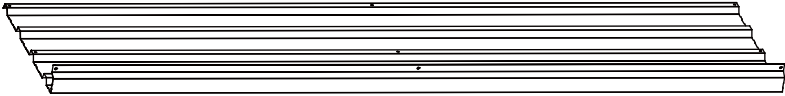
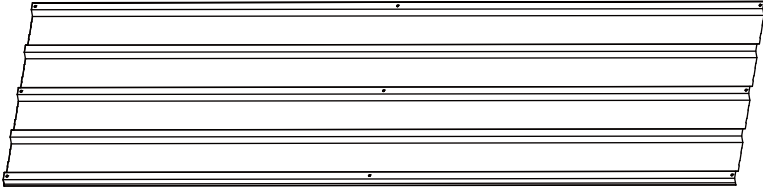
Door	
No.	Qty.
D1	2
D2	1
D3	1
D4	4
D5	4
D6	2
R1	4
R2	1
R3	1
R4	2




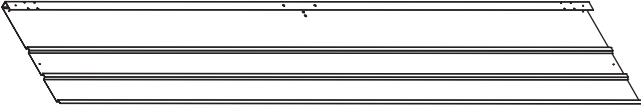
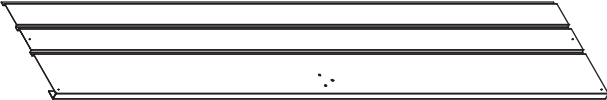





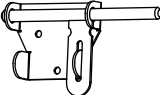
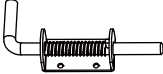





Parts list

NO.	Qty	Part Image
N	1	
Q1	4	
G1	4	
G2	2	
M1	2	
M2	2	
M3	2	
G3	4	
B1	2	
B2	2	
L	2	






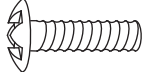






Parts list

NO.	Qty	Part Image
K1	2	
K2	2	
F1	2	
F2	1	
F3	2	
F4	1	
F5	2	
S1	1	
S2	1	
S3	1	
E3	4	
E2	3	

Parts list

NO.	Qty	Part Image
D1	2	
D2	1	
D3	1	
D4	4	
D5	4	
D6	2	
R1	4	
R2	1	
R3	1	
R4	2	
A1	2	
A2	2	
A3	1	
A4	1	
V2	4	

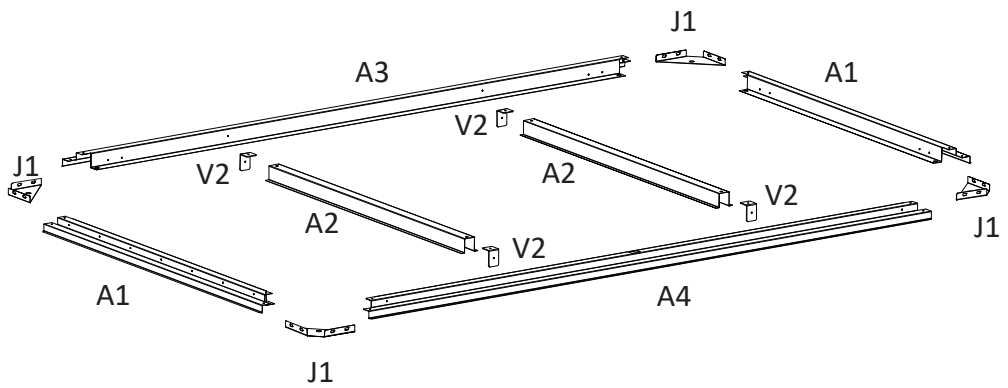
Hardware

Part	Description	Qty	Extra	Part Image
H1	M4*10mm bolt	220	45	
H2	M4*15mm bolt	14	3	
H3	M4 nut	14	3	
H4	M4.2*16mm bolt	16	5	
H5	M5*12mm bolt	16	4	
H6	M5 nut	21	3	
H7	M5*10mm bolt	5	1	
H8	M4*10mm bolt	4	4	
T1	Washer	216	24	
T2	Screw Cover	250	26	
J1	Corner Base	4	0	
J2	Stake	4	0	
J3	Expansion Bolt	4	0	


Base Exploded View

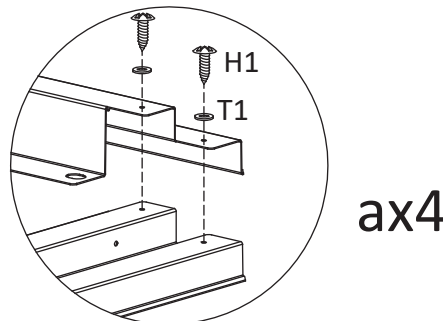
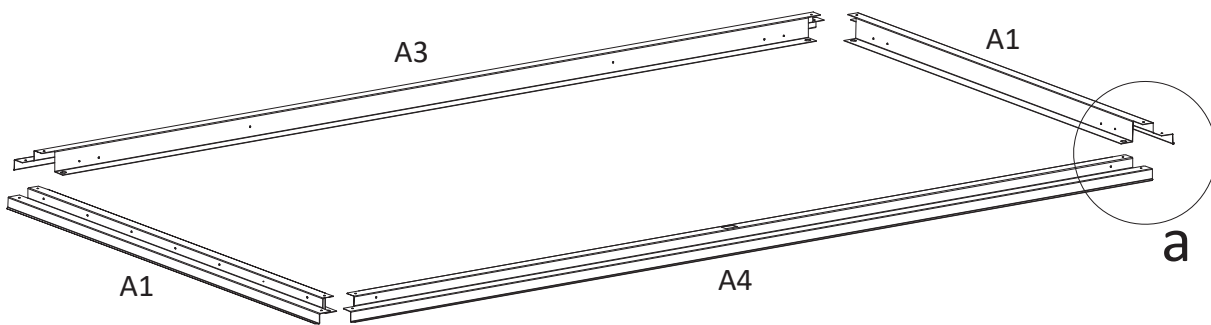
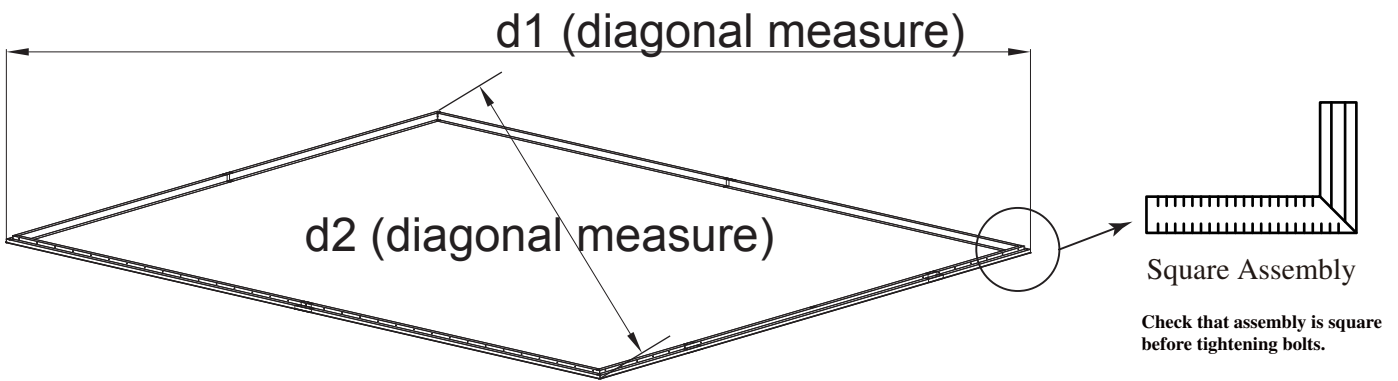
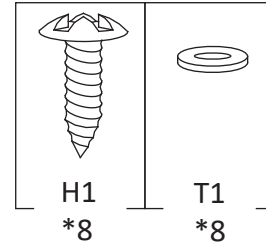
Before installation, please place the parts in the position as shown in the figure below.

Shed base	
No.	Qty.
A1	2
A2	2
A3	1
A4	1
V2	4
J1	4



Step.1

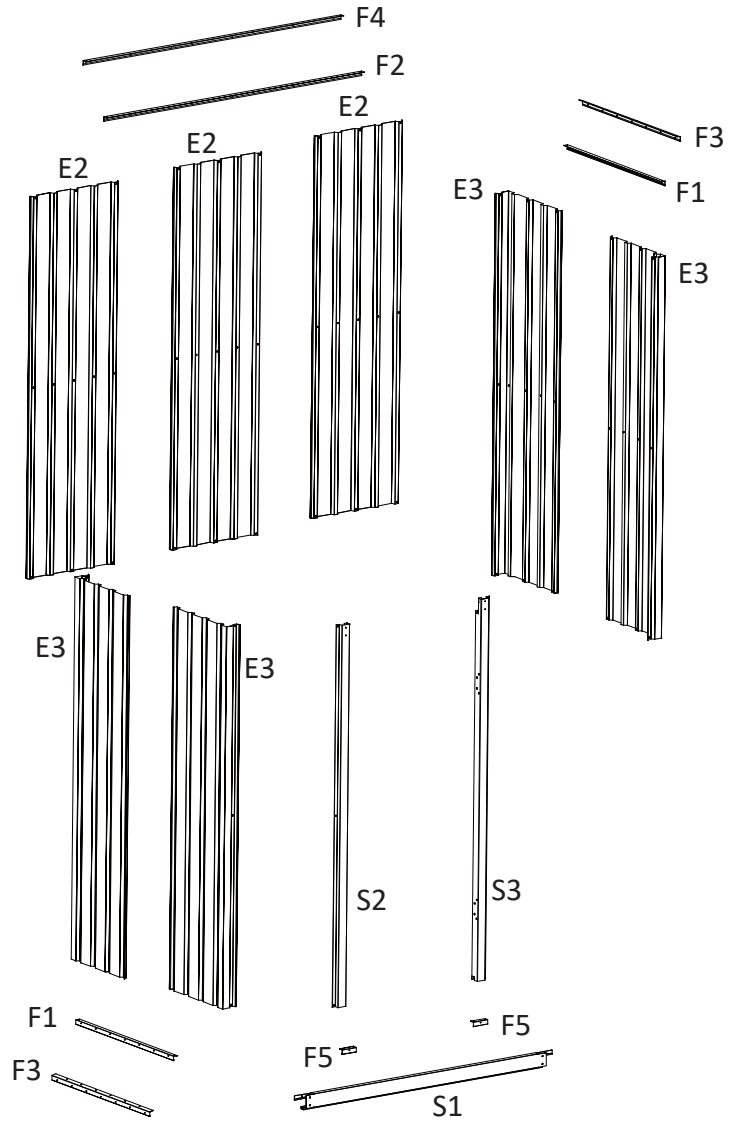
	A1*2
	A3*1
	A4*1



Note: Find the corresponding numbered parts and install them as shown in the picture. The shed base must be BOTH square AND level or the holes will not align. Make sure d1 equal to d2, when diagonal measurements are equal, the frame is square. (This is for avoiding misalignment of the doors or holes during the installation).

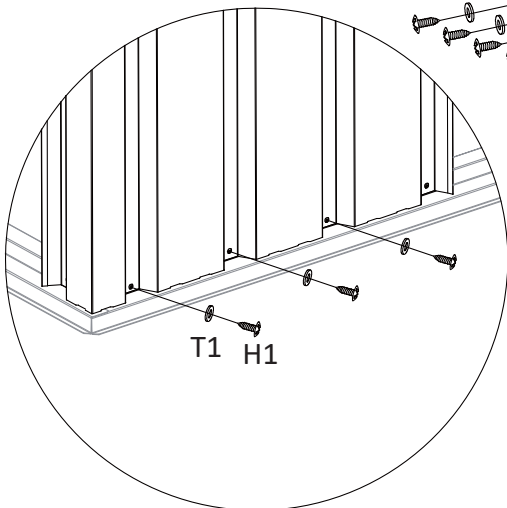
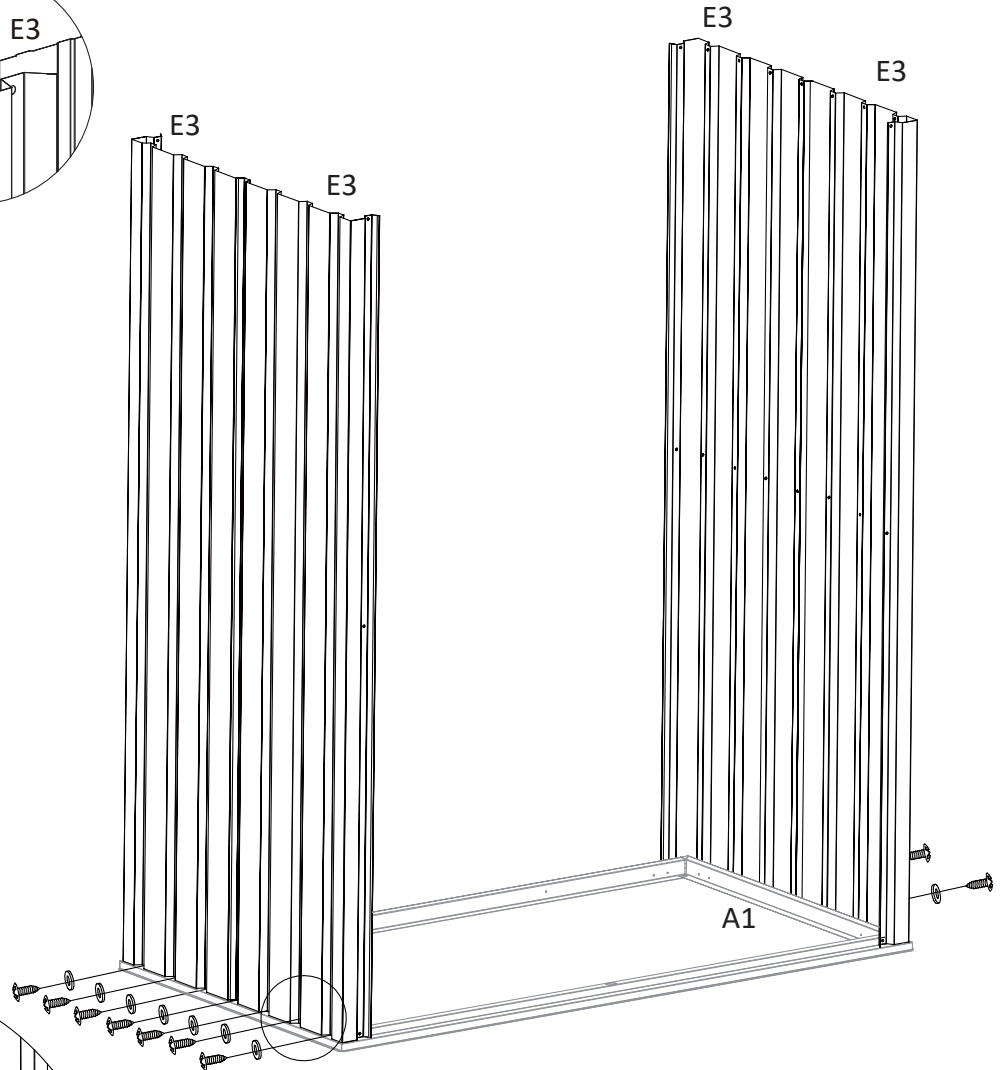
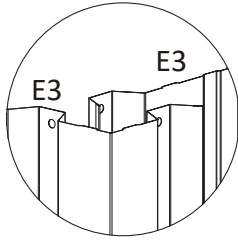
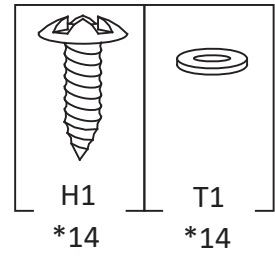
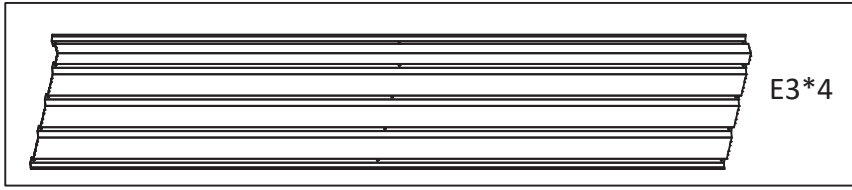
Frame Exploded View Before installation, please place the parts in the position as shown in the figure below.

Shed Side Frames & Panels	
No.	Qty.
F1	2
F2	1
F3	2
F4	1
F5	2
S1	1
S2	1
S3	1
E2	3
E3	4






Note: The black / brown side should be facing out.

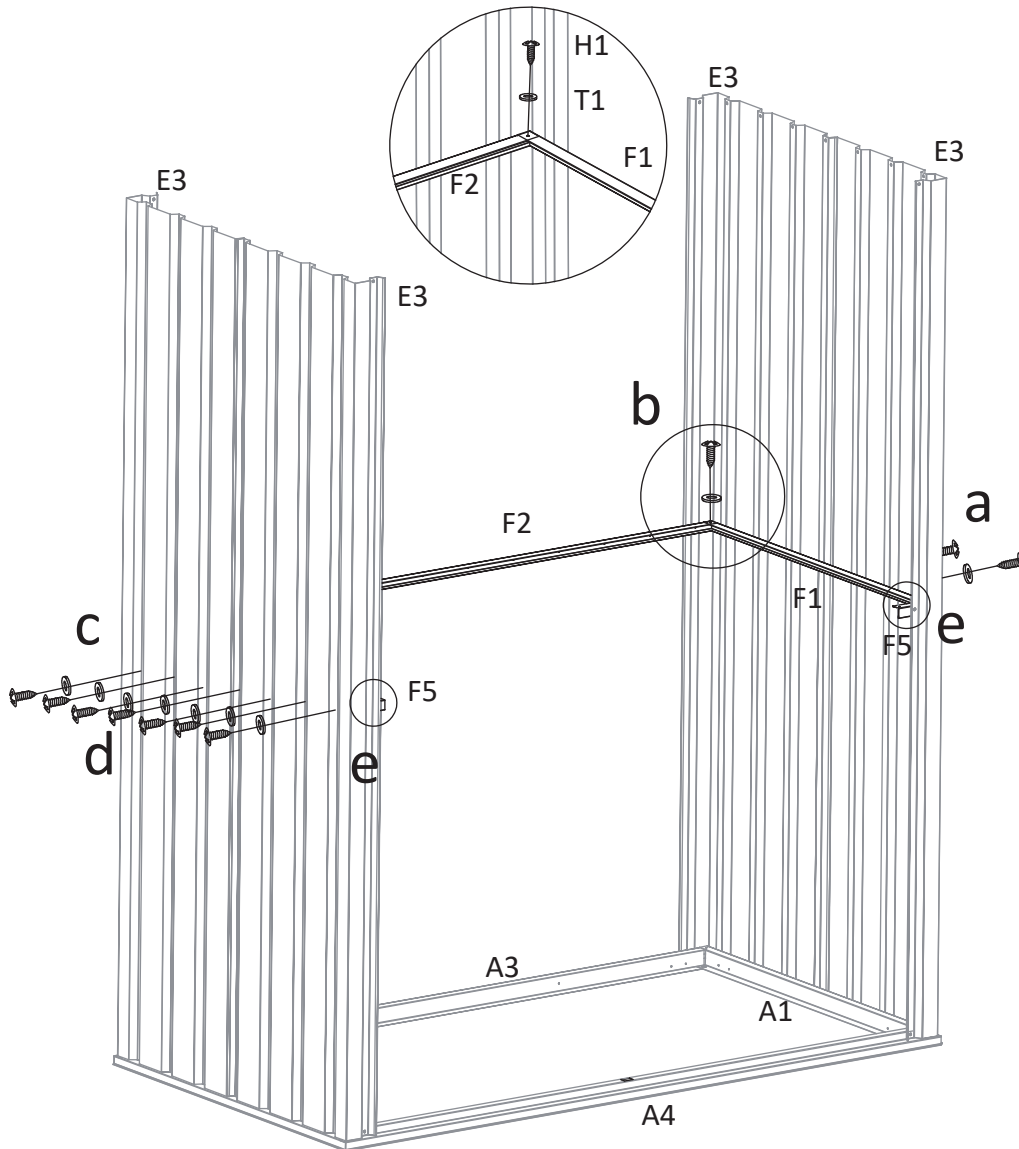
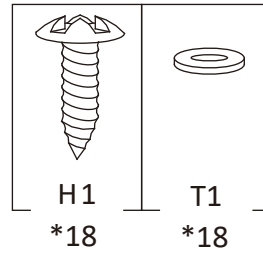
Step.2



Attach E3 to A1 using bolts (H1) and washers (T1).

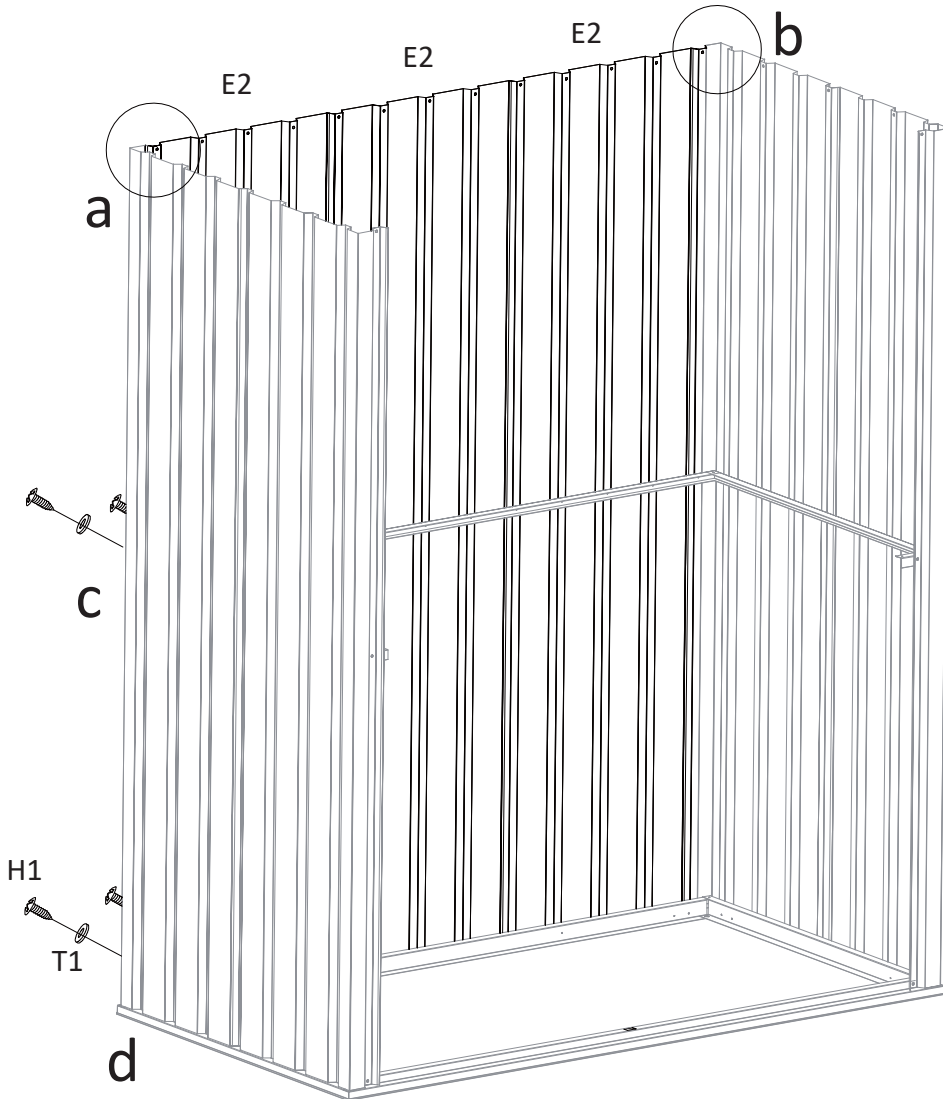
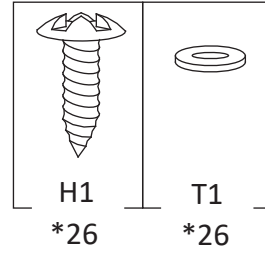
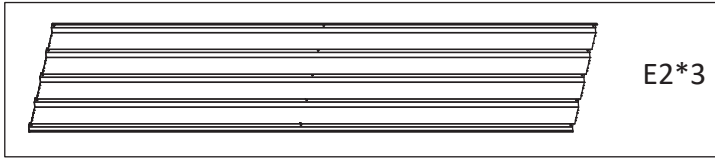
Step.3

	F1*2
	F2*1
	F5*2

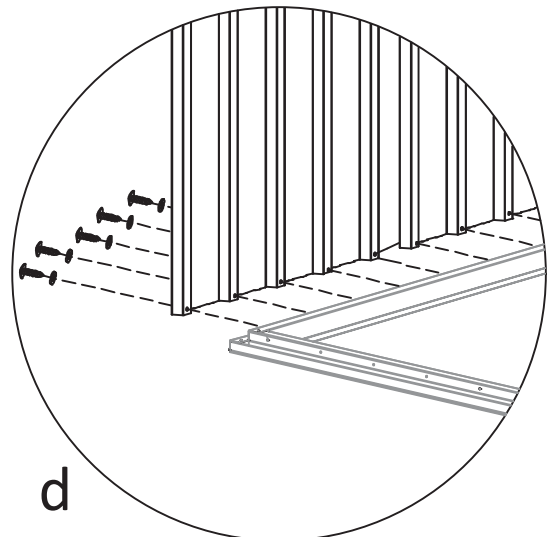
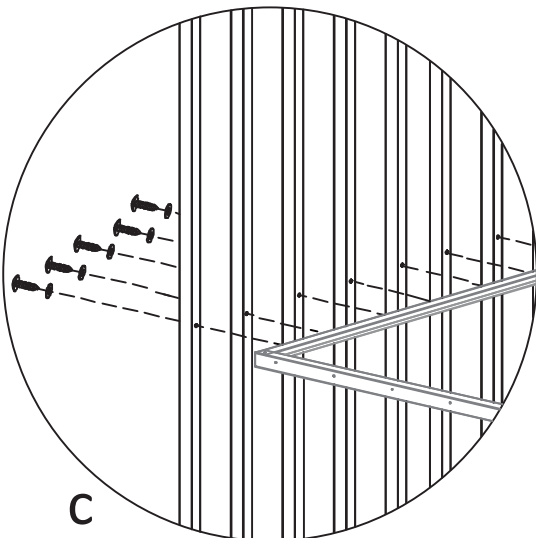
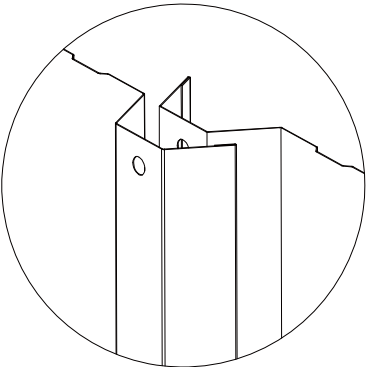
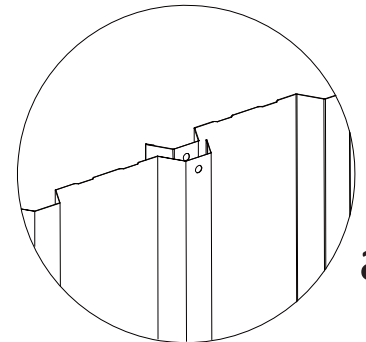


- a: Attach E3 to F1 using seven bolts (H1) and seven washers (T1).
- b: Attach F2 to F1 using one bolt (H1) and one washer (T1).
- c: Attach F1 to F2 using one bolt (H1) and one washer (T1).
- d: Attach E3 to F1 using seven bolts (H1) and seven washers (T1).
- e: Attach F5 to F1 using two bolts (H1) and two washers (T1).


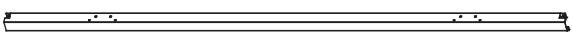
Step.4

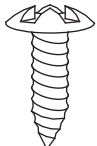



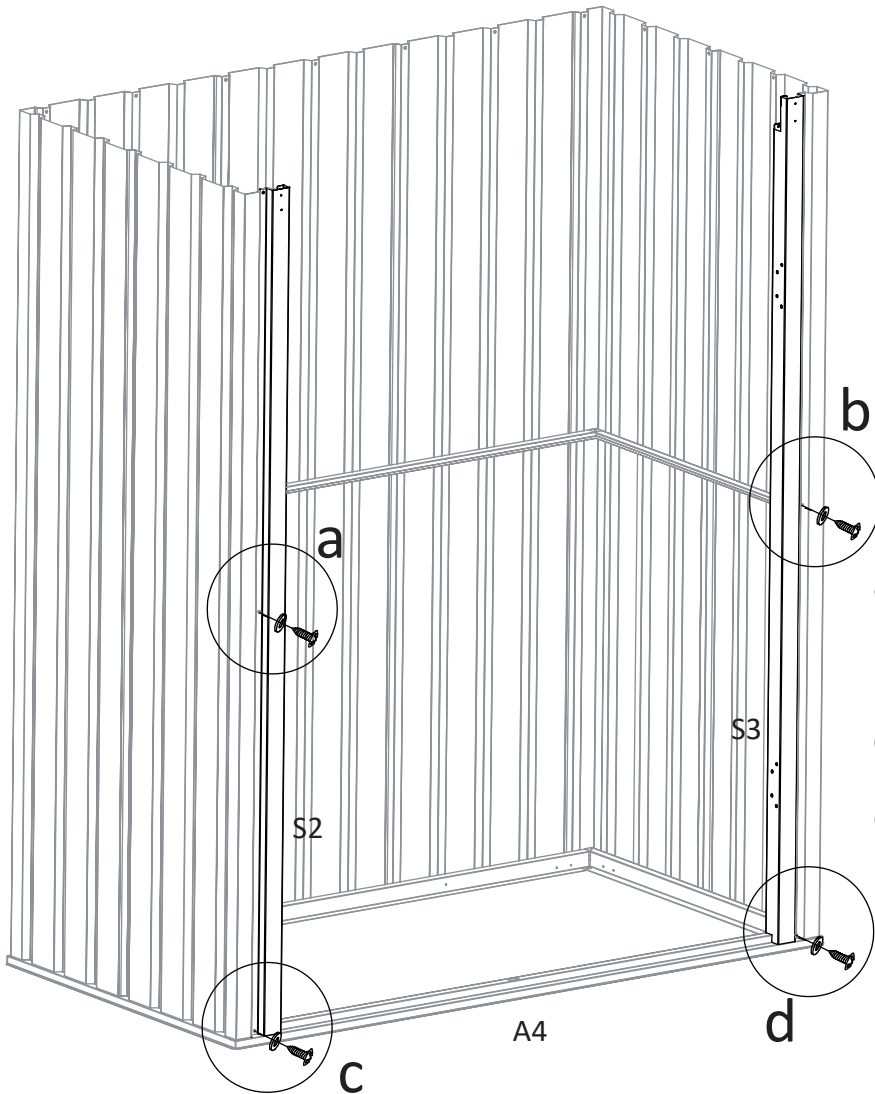
c: Attach E3 and E2 to F2 using thirteen bolts (H1) and thirteen washers (T1).
 d: Attach E3 and E2 to A3 using thirteen bolts (H1) and thirteen washers (T1).



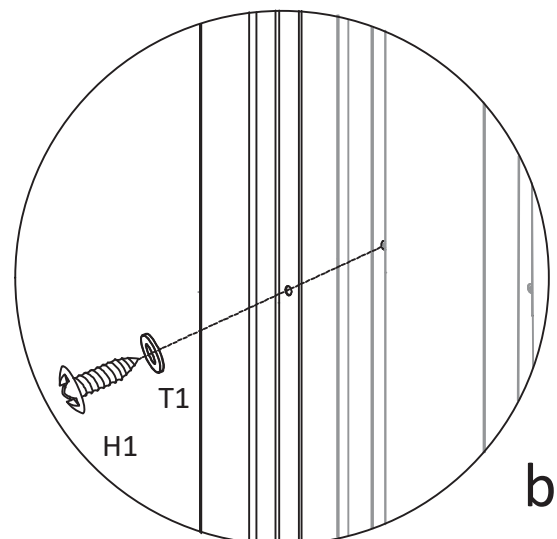
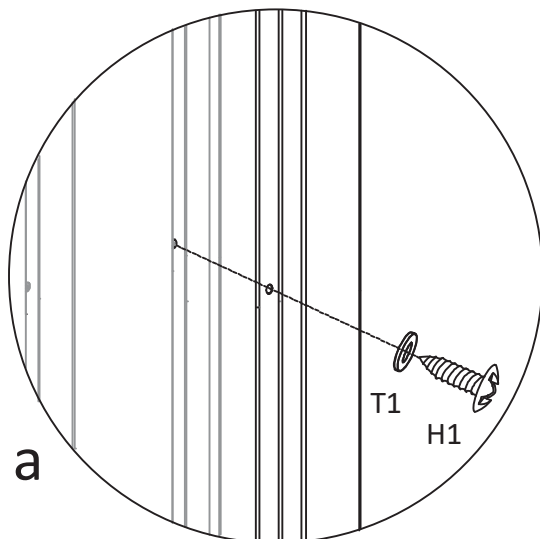
Step.5

	S2*1
	S3*1

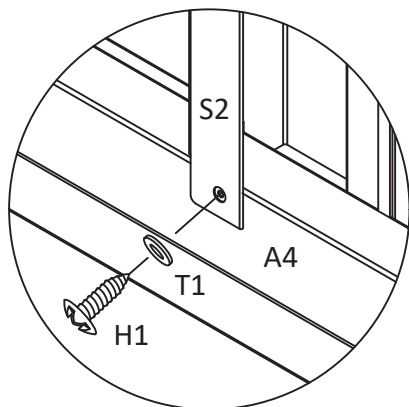
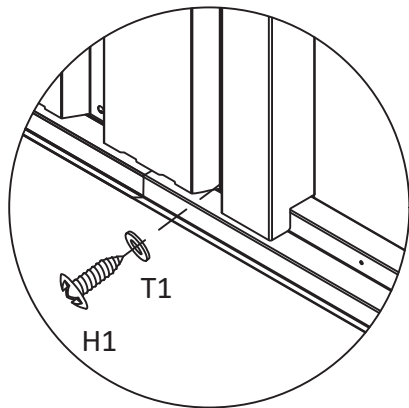
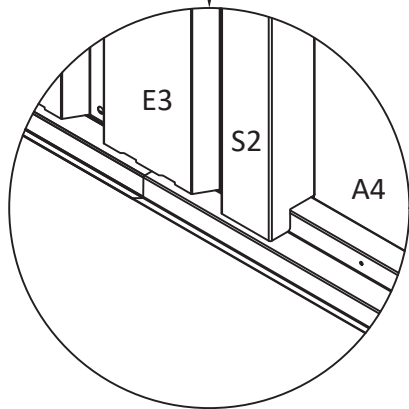
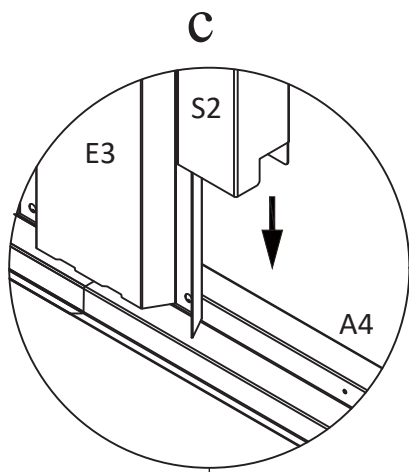
	
H1 *6	T1 *6



- a: Attach S2 and E3 to F5 using one bolt (H1) and one washer (T1).
- b: Attach S3 and E3 to F5 using one bolt (H1) and one washer (T1).
- c: Attach S2 and E3 to A4 using two bolts (H1) and two washers (T1).
- d: Attach S3 and E3 to A4 using two bolts (H1) and two washers (T1).



Step.5-2

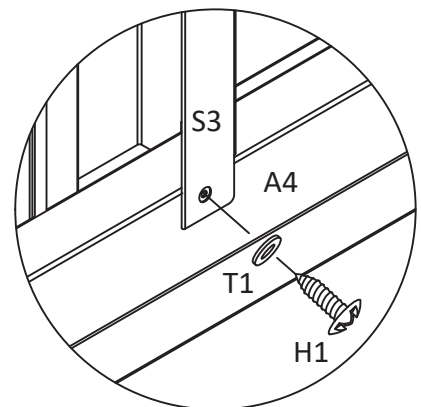
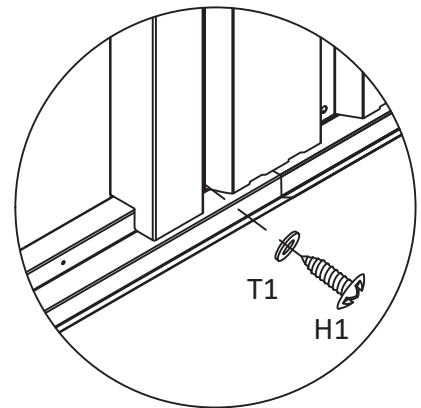
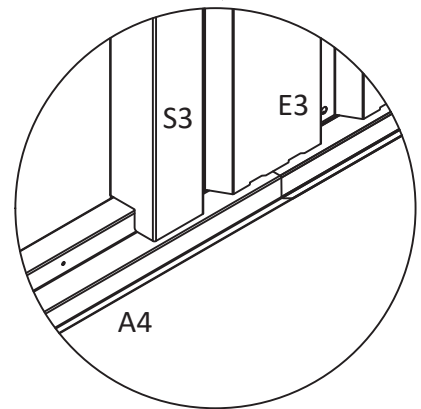
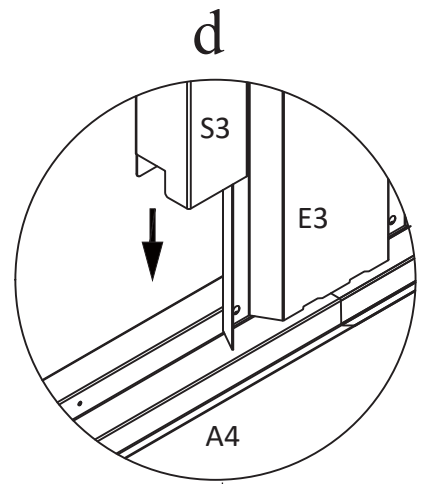


outside

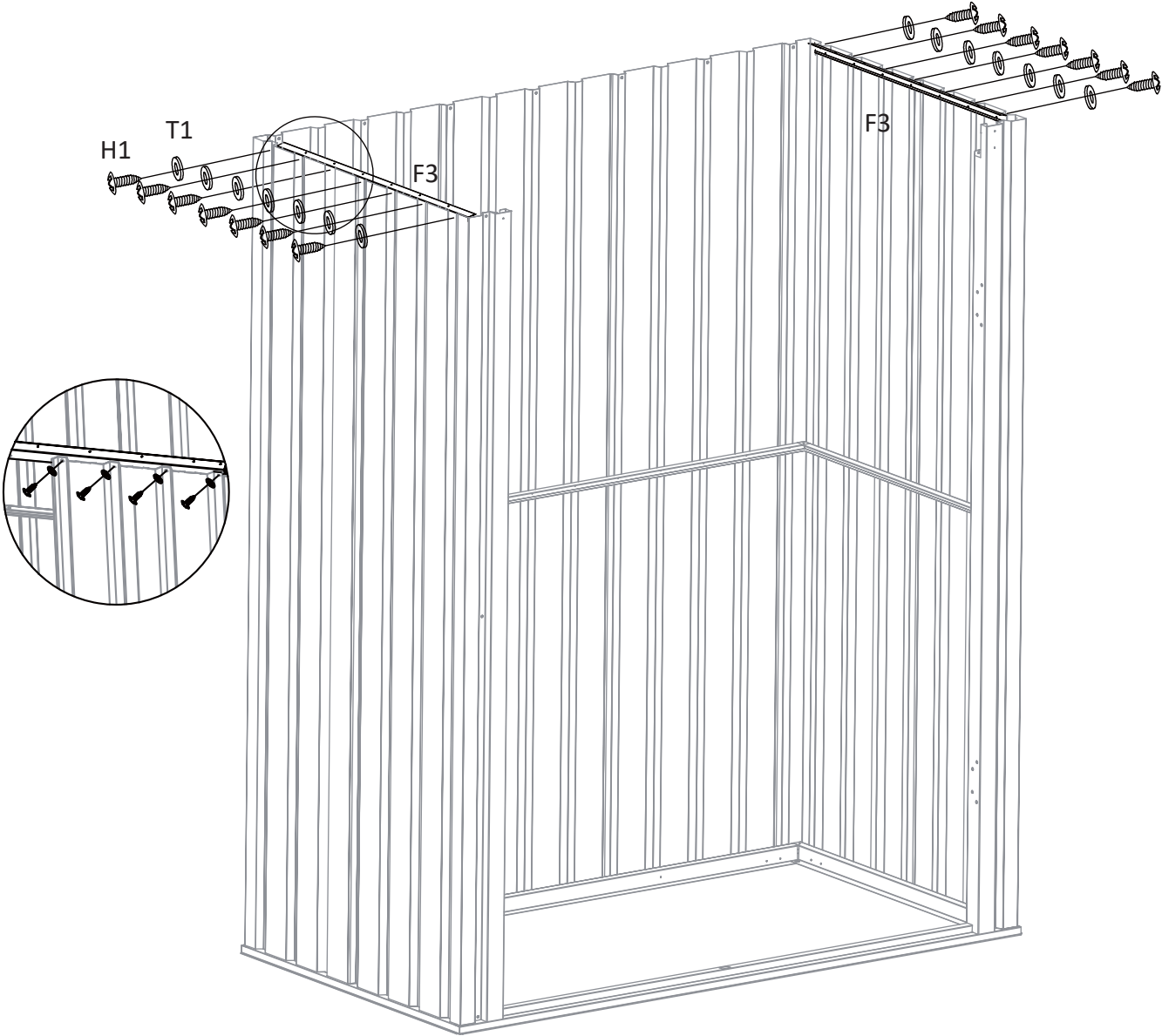
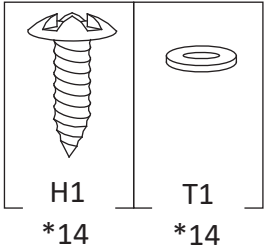
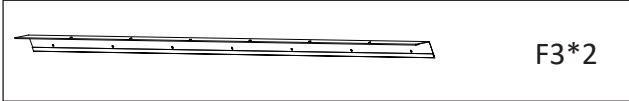
outside

outside

inside
(attach S2/S3 to A4)

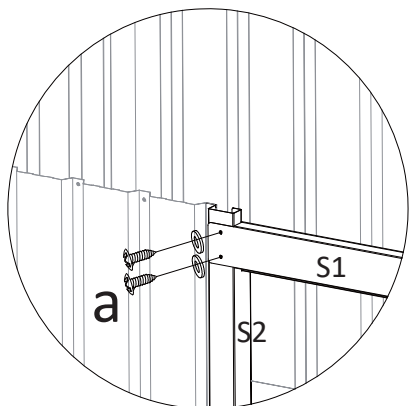
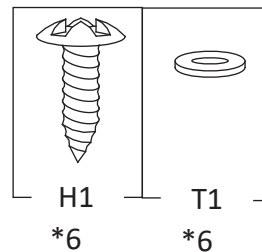


Step.6

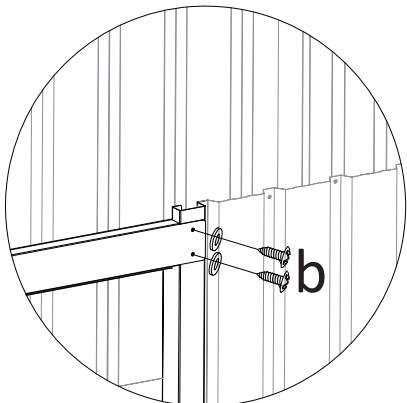


Attach E3 to F3 using fourteen bolts (H1) and fourteen washers (T1).

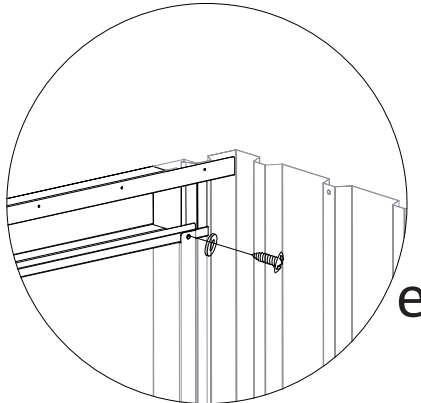
Step.7



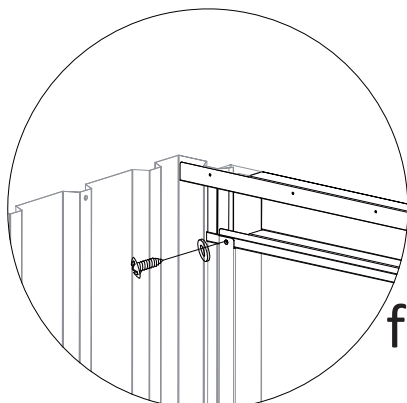
outside



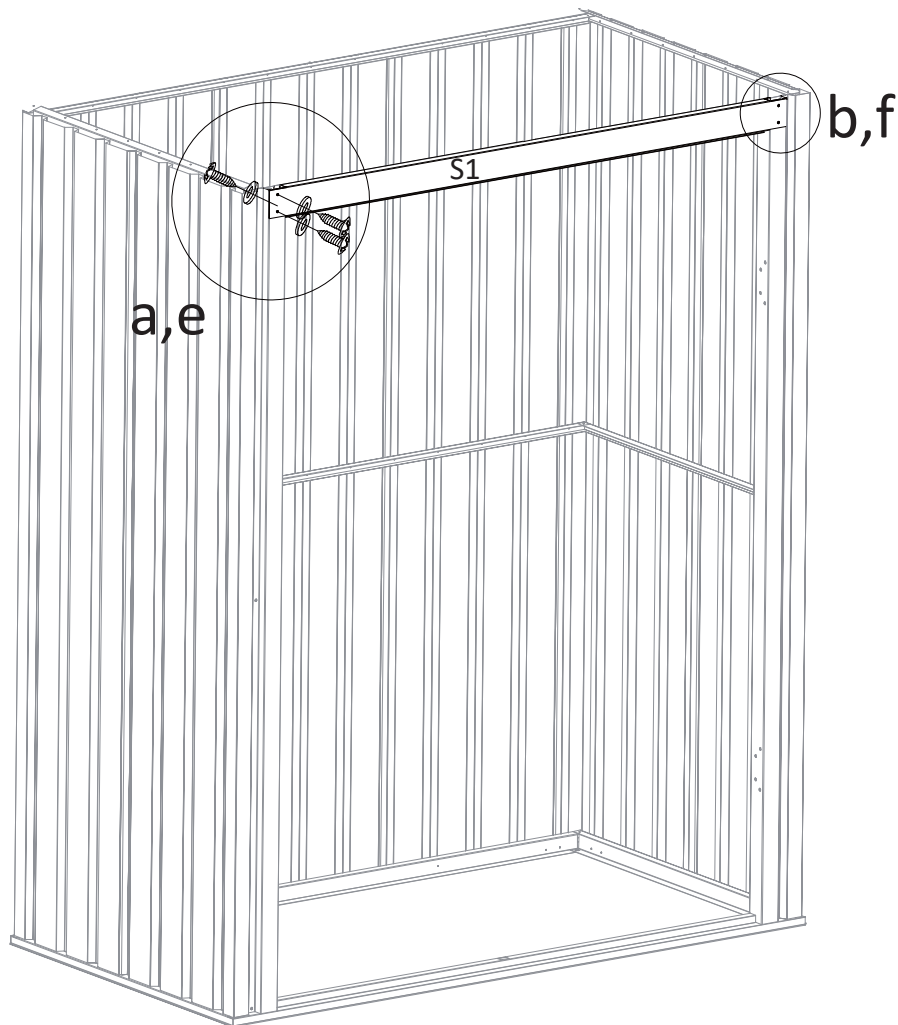
outside



inside



inside



a: Attach S1 to S2 using two bolts (H1) and two washers (T1).

b: Attach S1 to S3 using two bolts (H1) and two washers (T1).

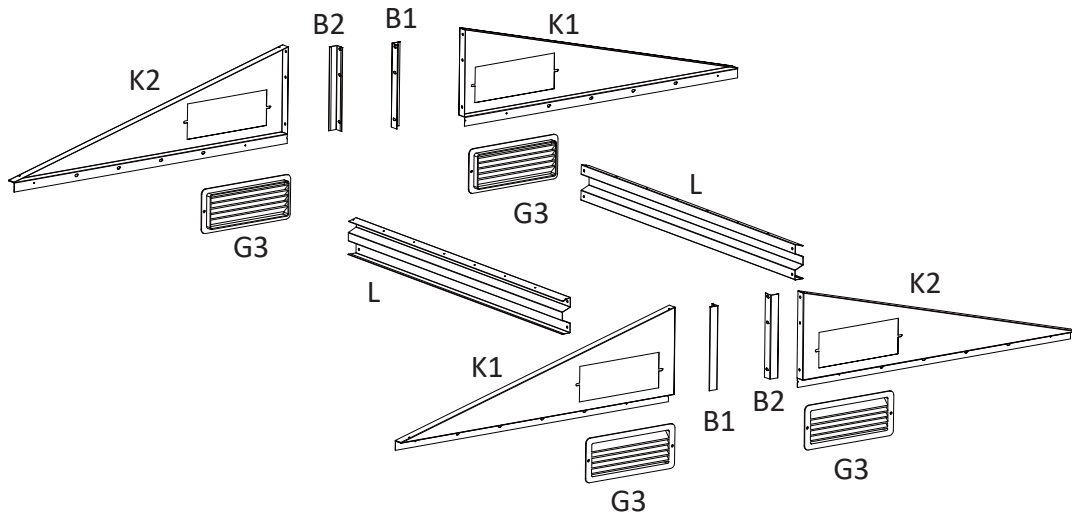
e: Attach S2 to S1 using one bolt (H1) and one washer (T1).

f: Attach S3 to S1 using one bolt (H1) and one washer (T1).

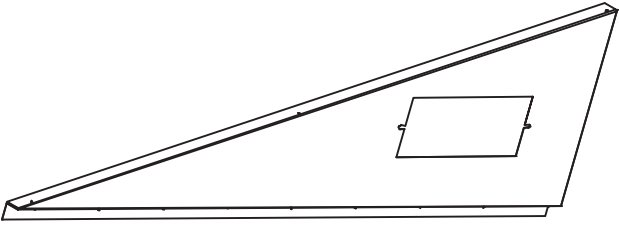
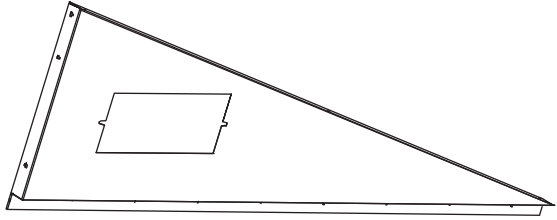



Triangular Panel Exploded View



Before installation, please place the parts in the position as shown in the figure below.

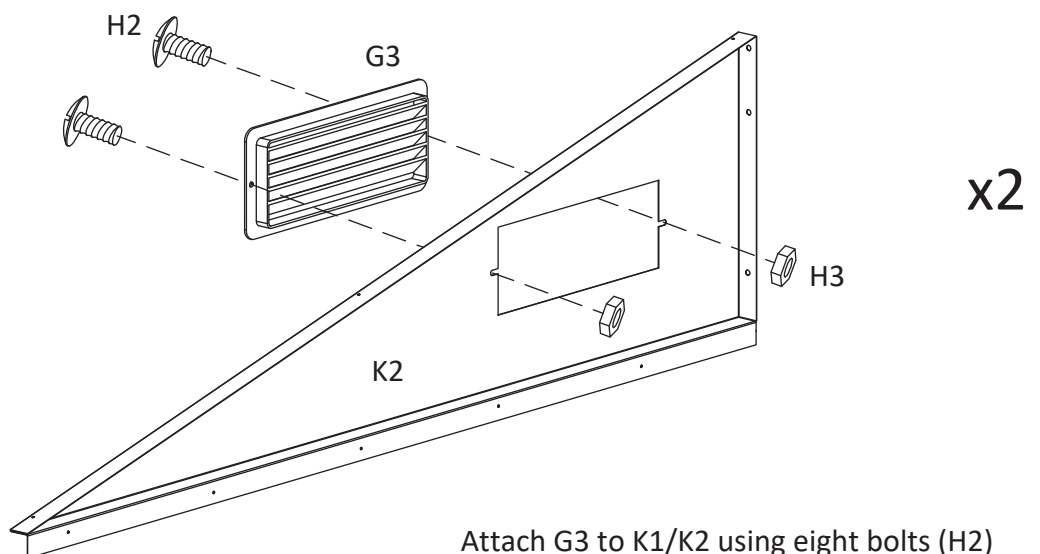
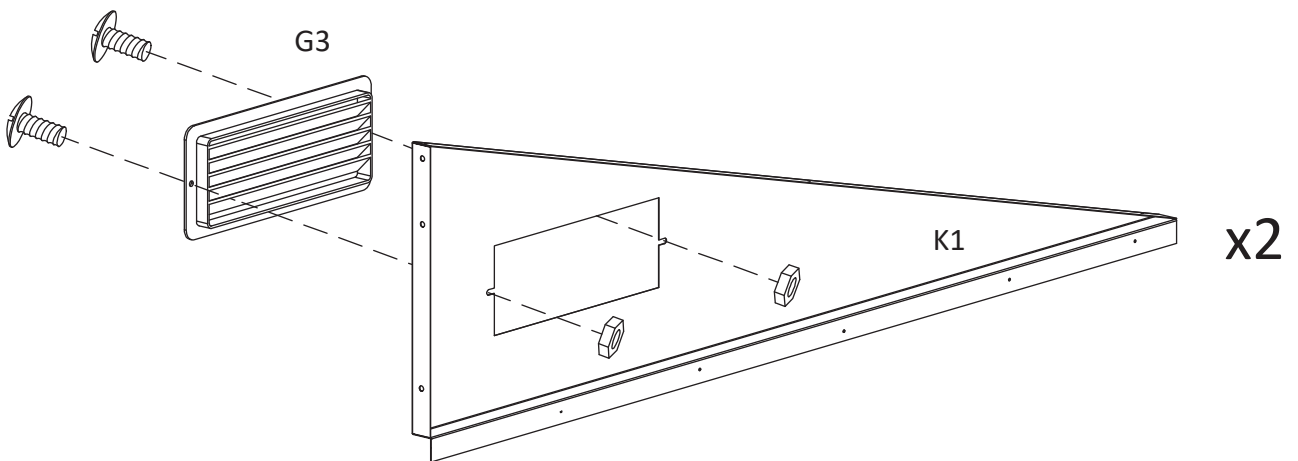
Shed top frame	
No.	Qty.
G3	4
B1	2
B2	2
k1	2
K2	2
L	2



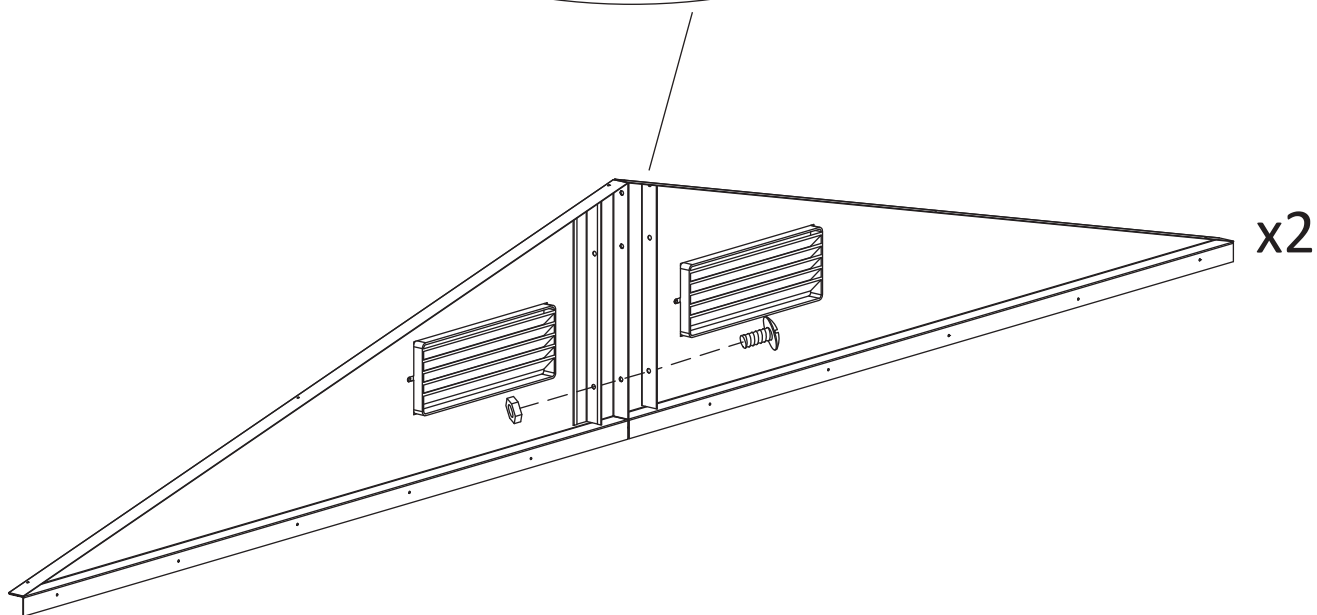
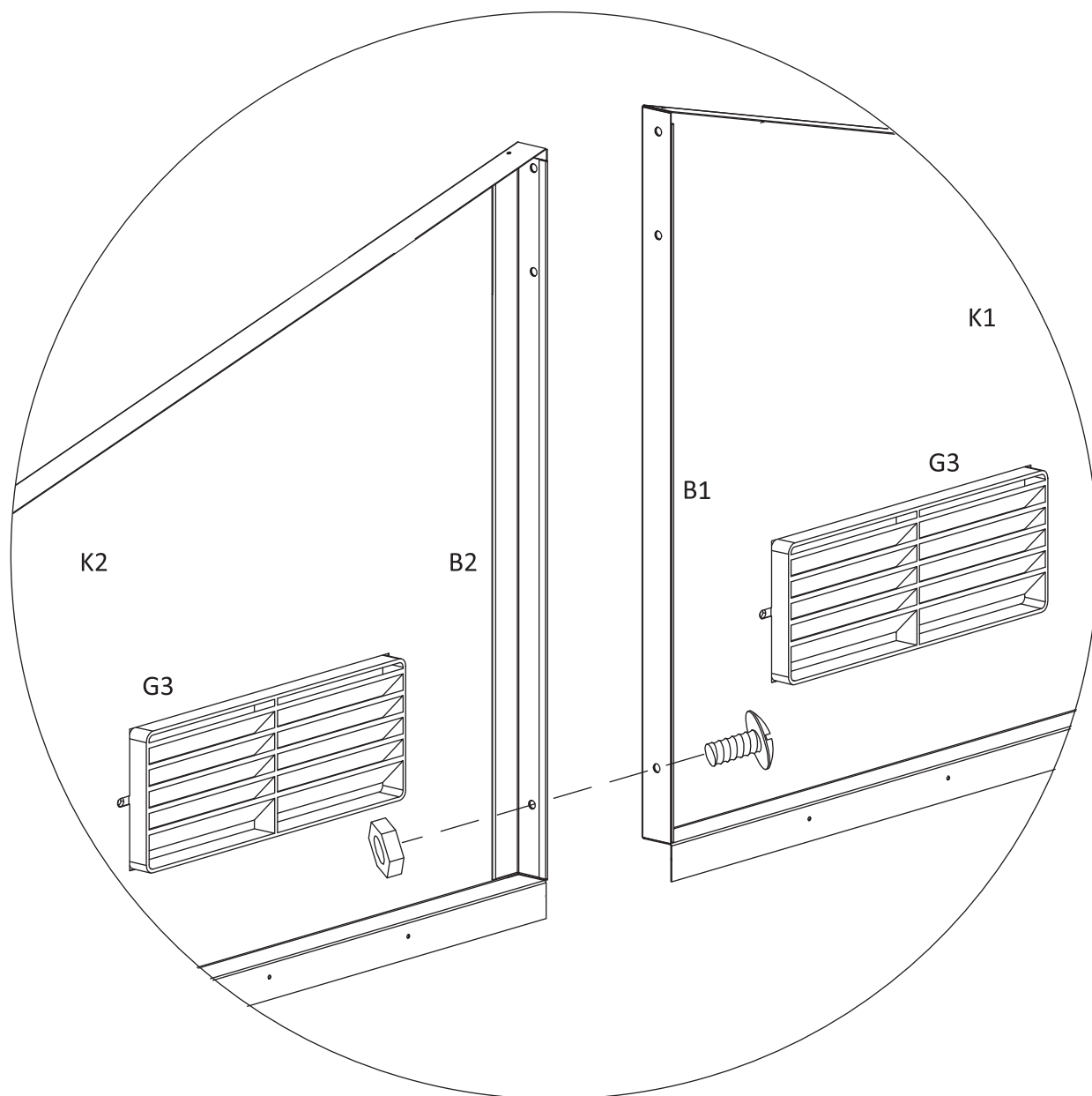
Step.8

	K1*2
	K2*2
	B1*2
	B2*2
	G3*4

	
H2 *10	H3 *10

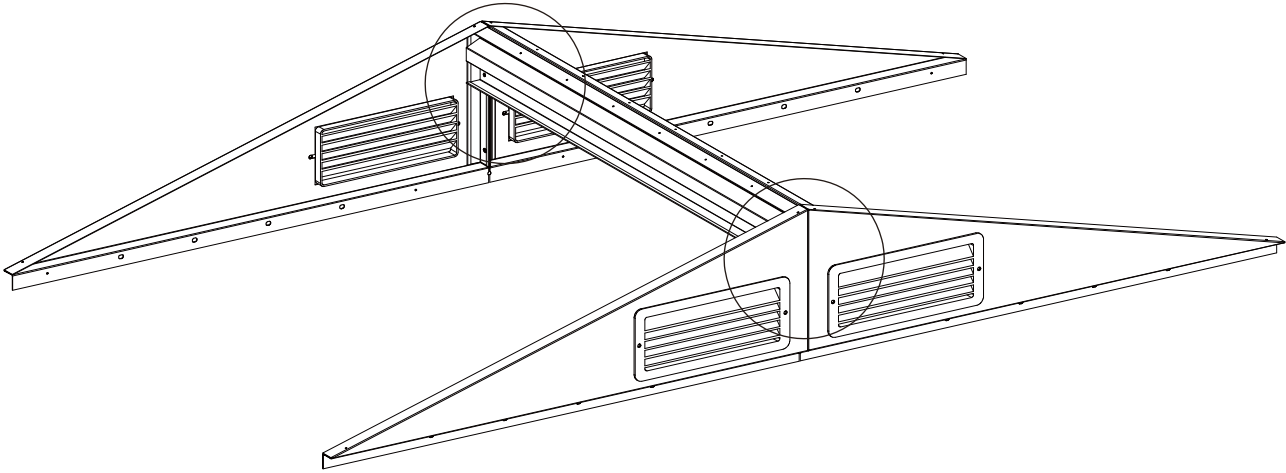
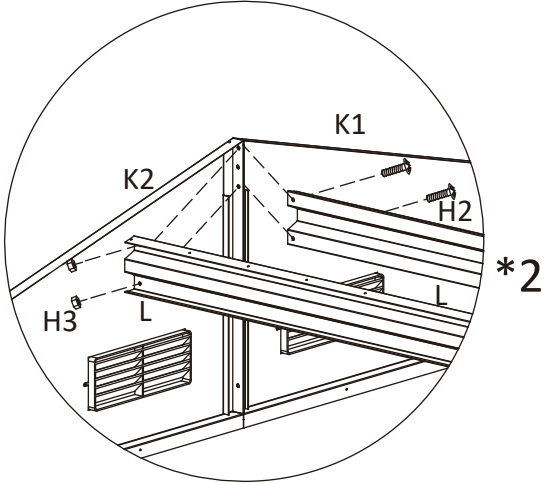
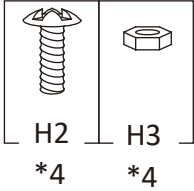
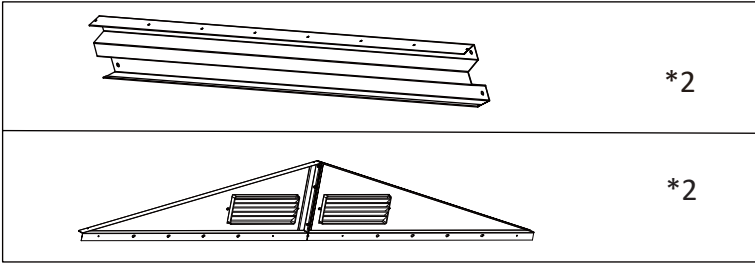


Attach G3 to K1/K2 using eight bolts (H2) and eight nuts (H3).



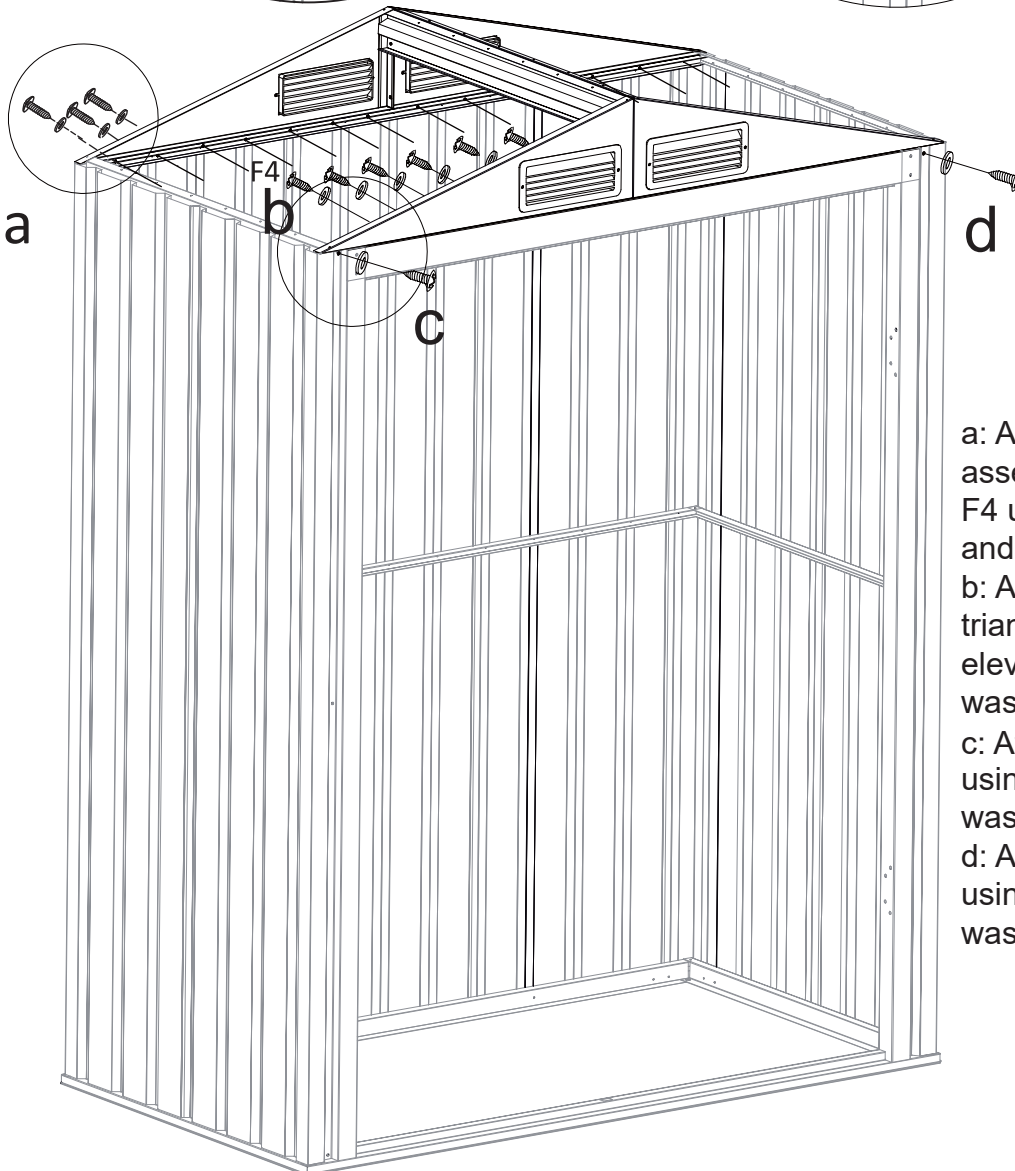
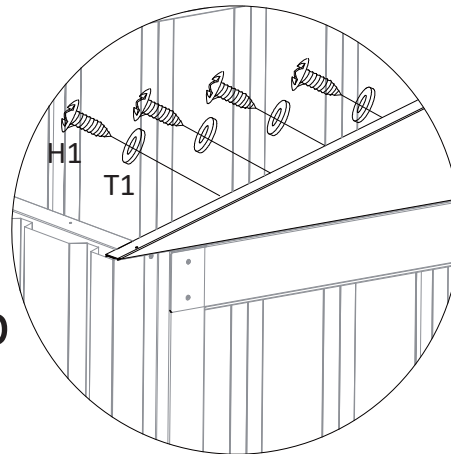
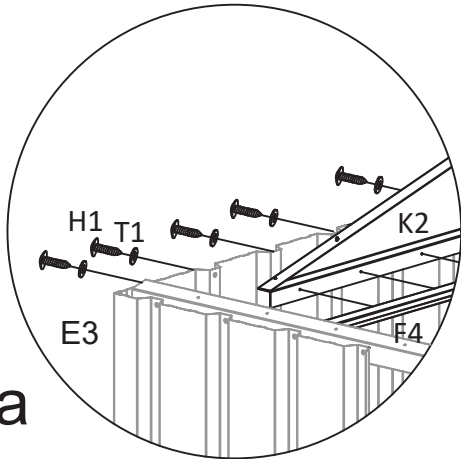
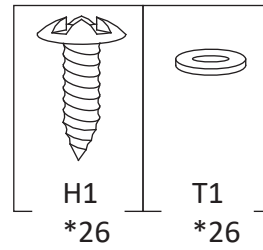
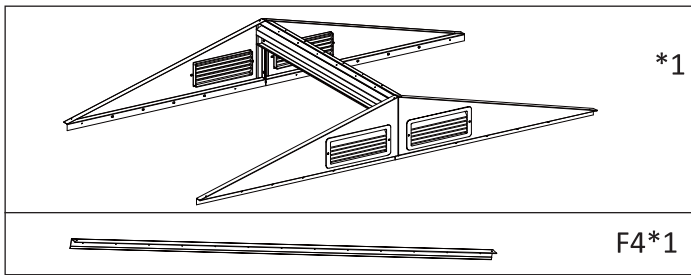
Attach K1 to K2 using two bolts (H2) and two nuts (H3).

Step.9



Attach L, K1, K2 and L using four bolts (H2) and four nuts (H3).

Step.10

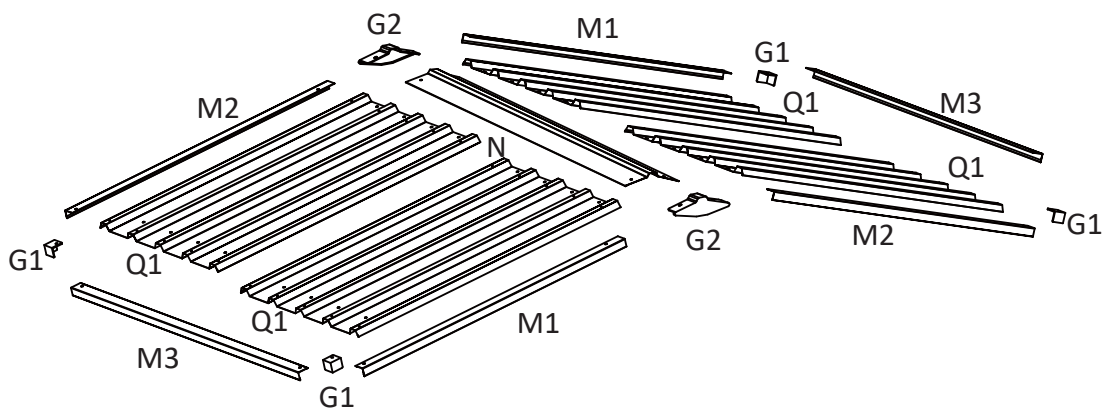


- a: Attach E2, E3 and assembled triangular top to F4 using thirteen bolts (H1) and thirteen washers (T1).
- b: Attach the assembled triangular top to S1 using eleven bolts (H1) and eleven washers (T1).
- c: Attach S2, E3 and S1 to K1 using one bolt (H1) and one washer (T1).
- d: Attach S3, E3 and S1 to K2 using one bolt (H1) and one washer (T1).

Top panels Exploded View



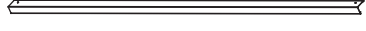

Before installation, please place the parts in the position as shown in the figure below.

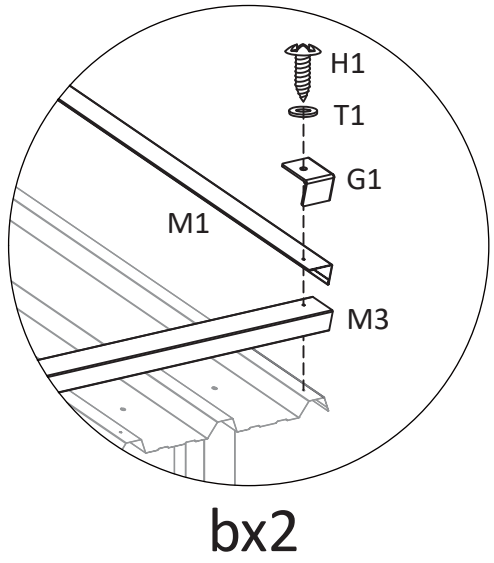
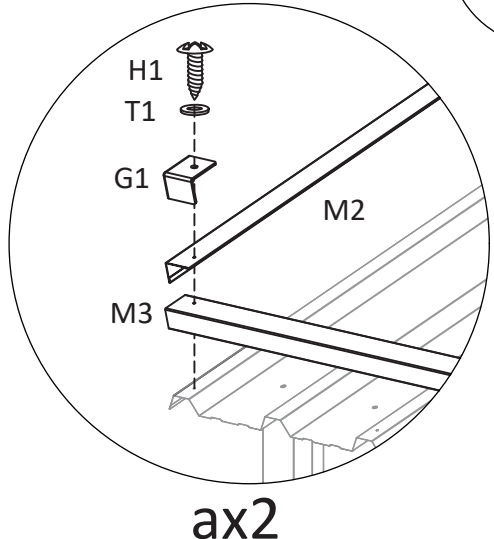
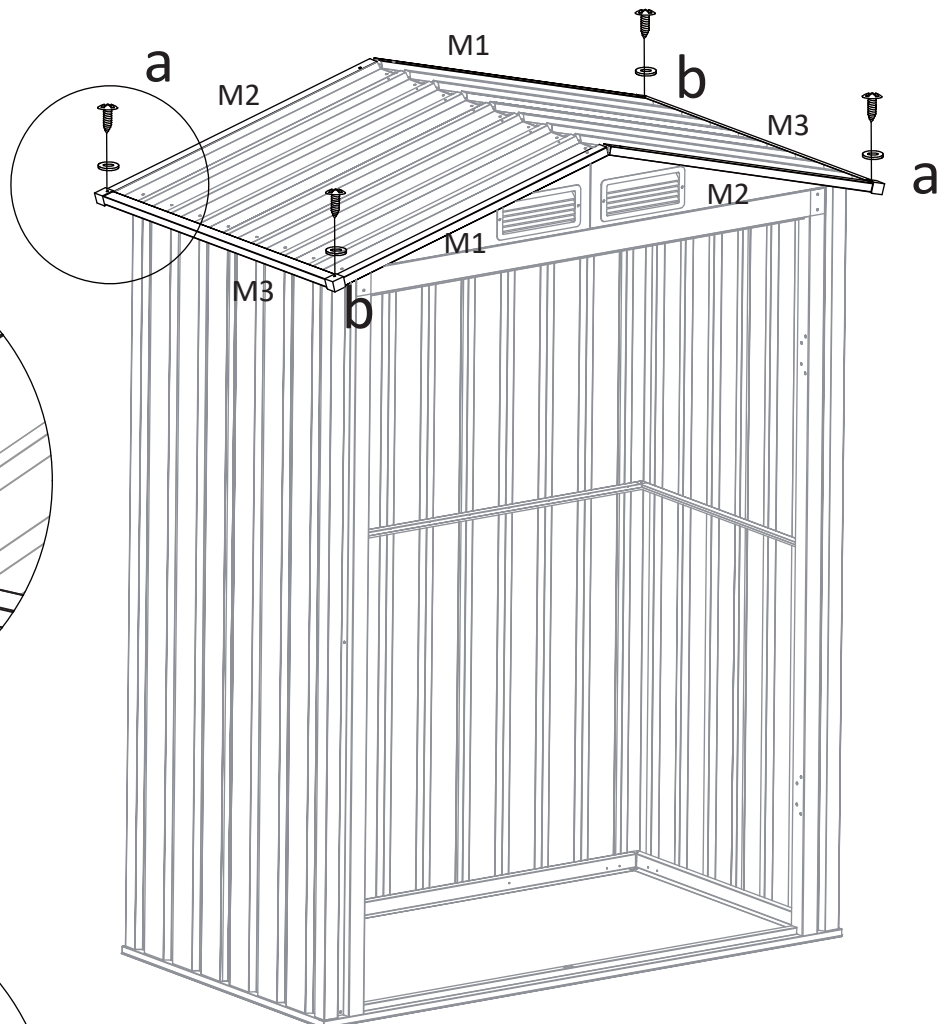
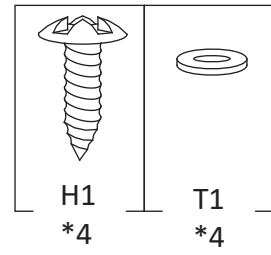
Shed top panels	
No.	Qty.
G1	4
G2	2
M1	2
M2	2
M3	2
Q1	4
N	1



Note: The black side should be facing out.



Step.12

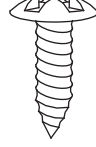

	M1*2
	M2*2
	M3*2
	G1*4

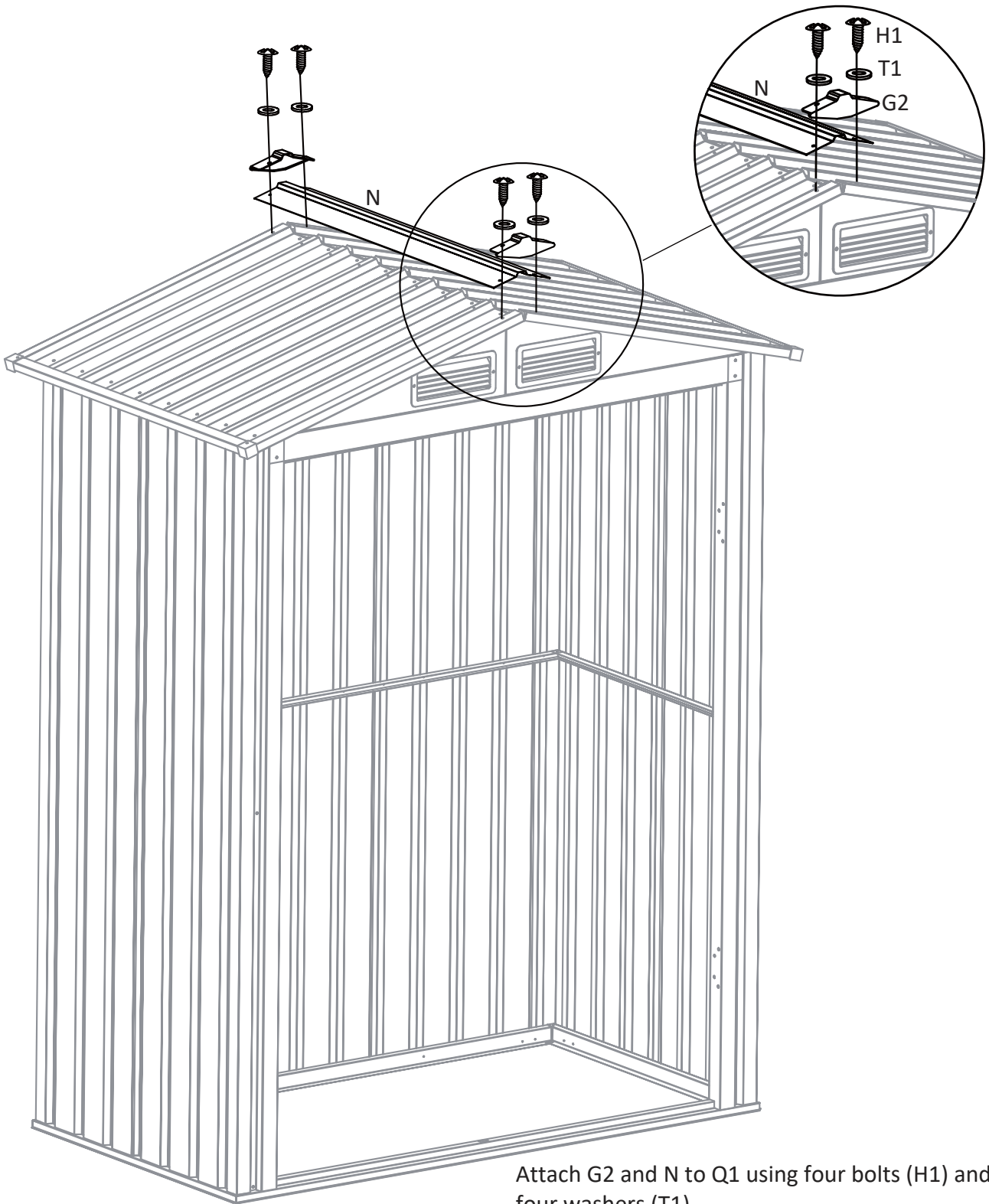


a: Attach G1, M2 and M3 to Q1 using two bolts (H1) and two washers (T1).
 b: Attach G1, M1 and M3 to Q1 using two bolts (H1) and two washers (T1).

Step.13

	N*1
	G2*2

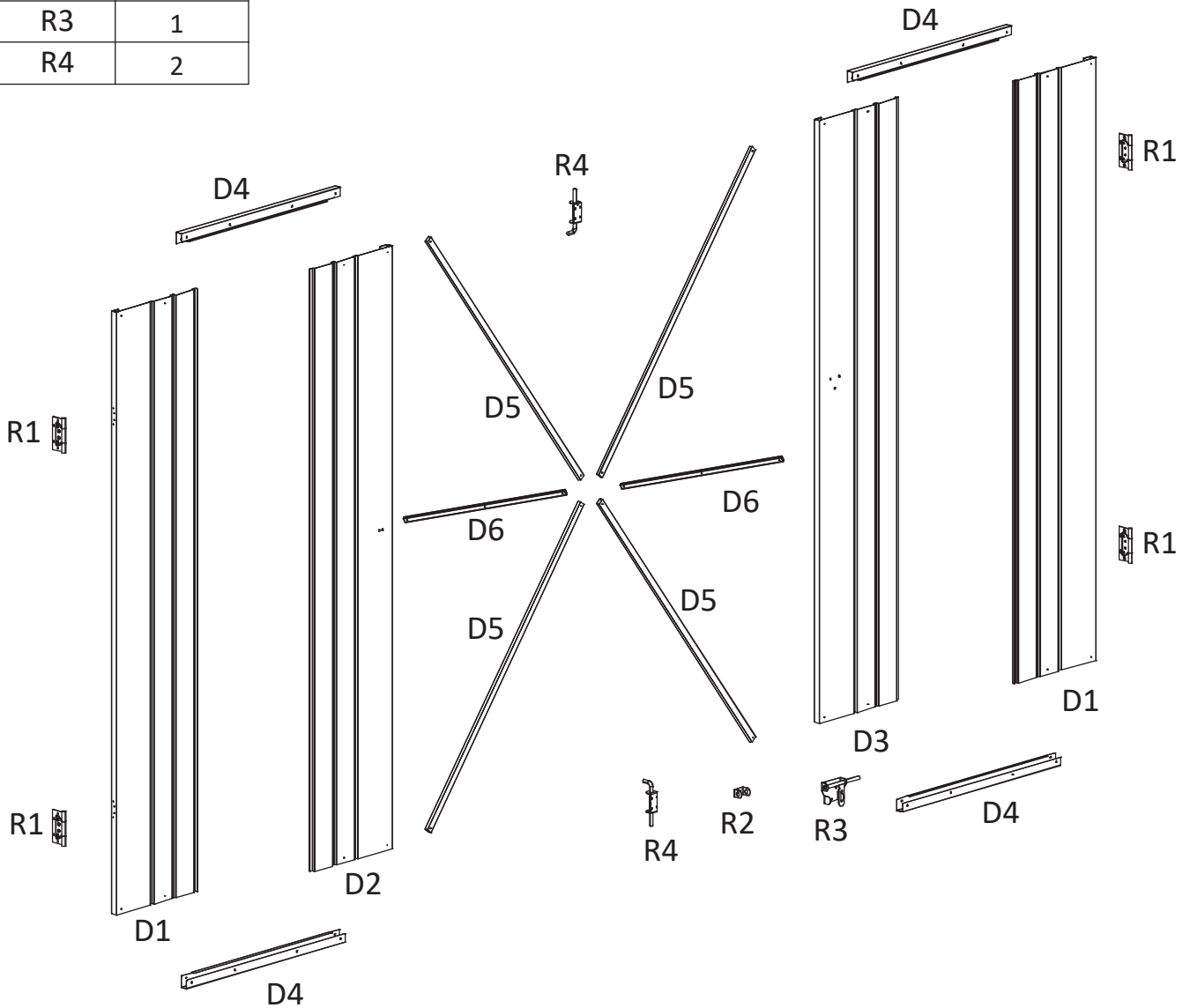
	
H1 *4	T1 *4



The Door Exploded View

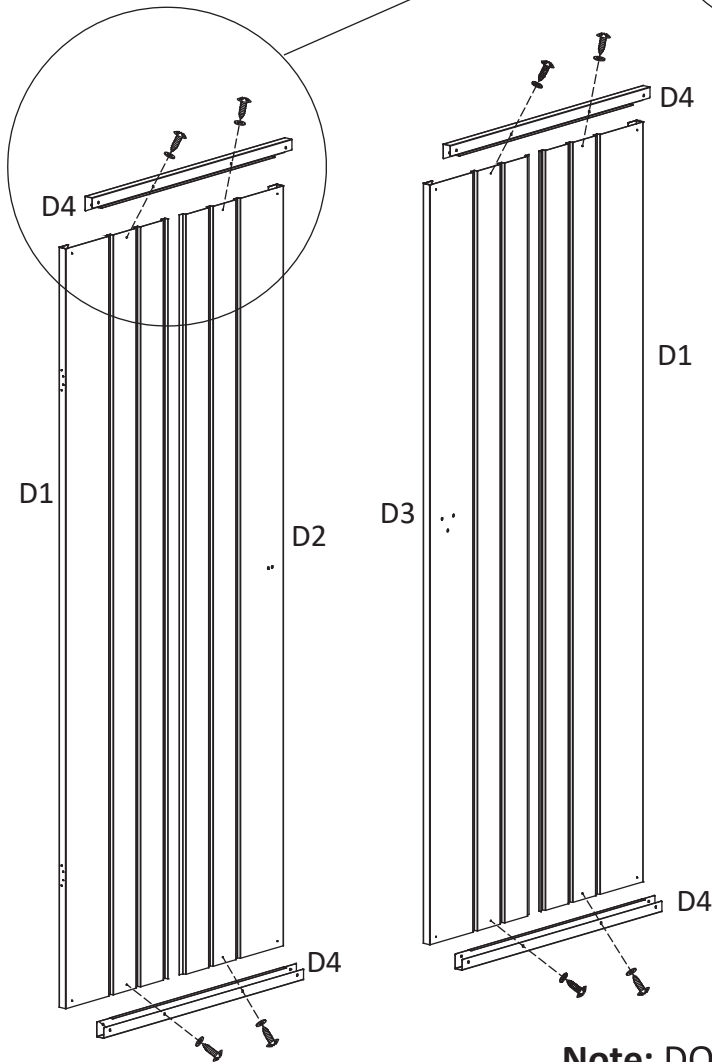
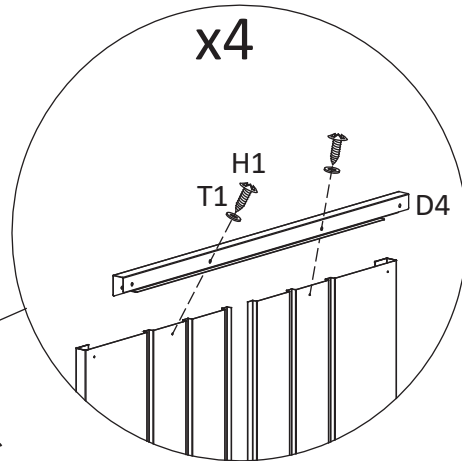
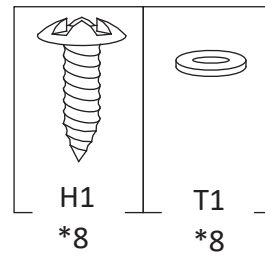
Before installation, please place the parts in the position as shown in the figure below.

Door	
No.	Qty.
D1	2
D2	1
D3	1
D4	4
D5	4
D6	2
R1	4
R2	1
R3	1
R4	2



Step.14

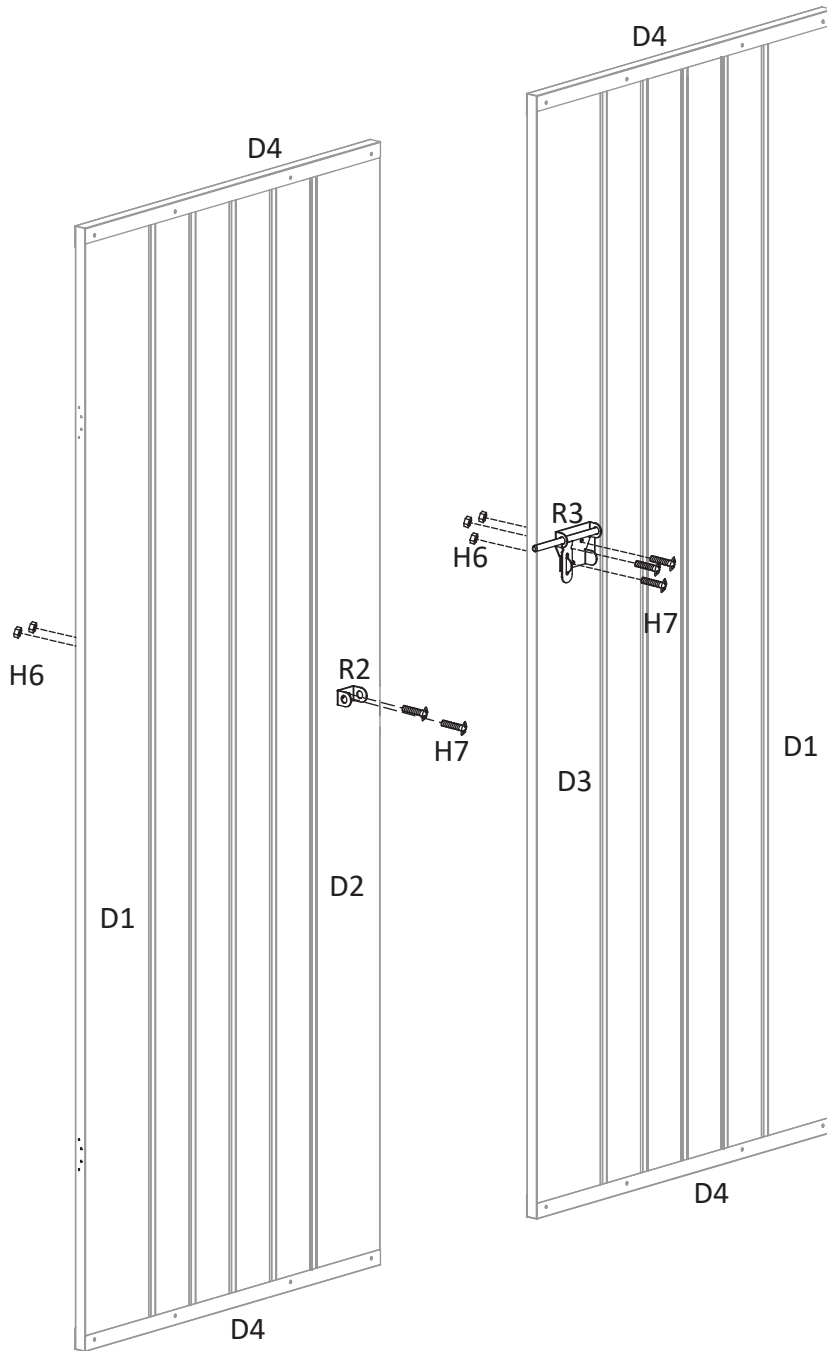
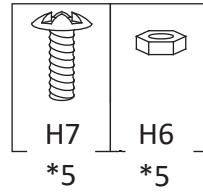
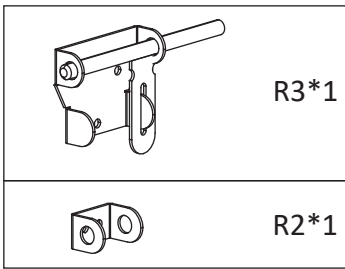
	D1*2
	D2*1
	D3*1
	D4*4



Attach D1, D2 and D4 using four bolts (H1) and four washers (T1).
 Attach D1, D3 and D4 using four bolts (H1) and four washers (T1).




Note: DO NOT tighten the bolts at this step.

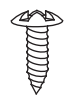

Step.15



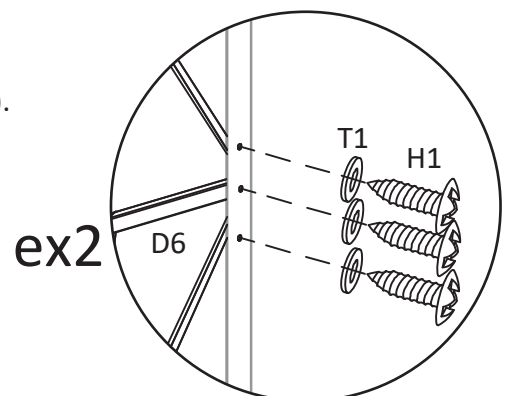
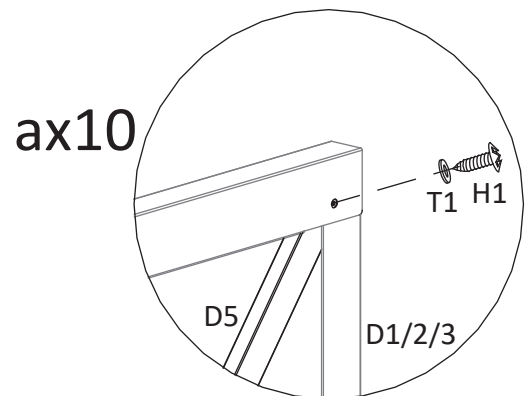
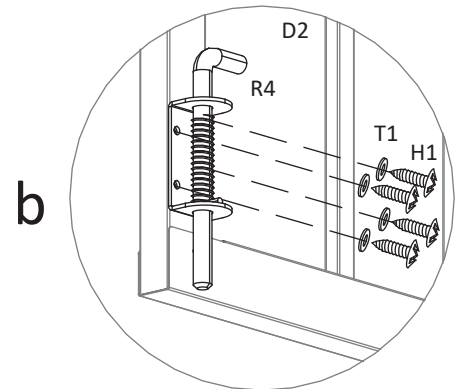
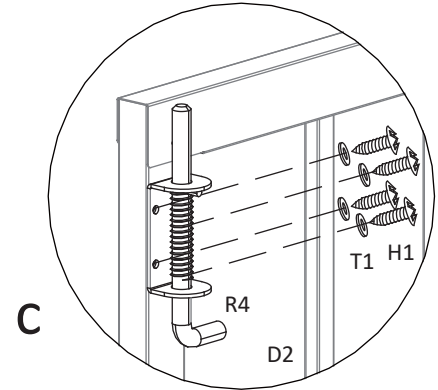
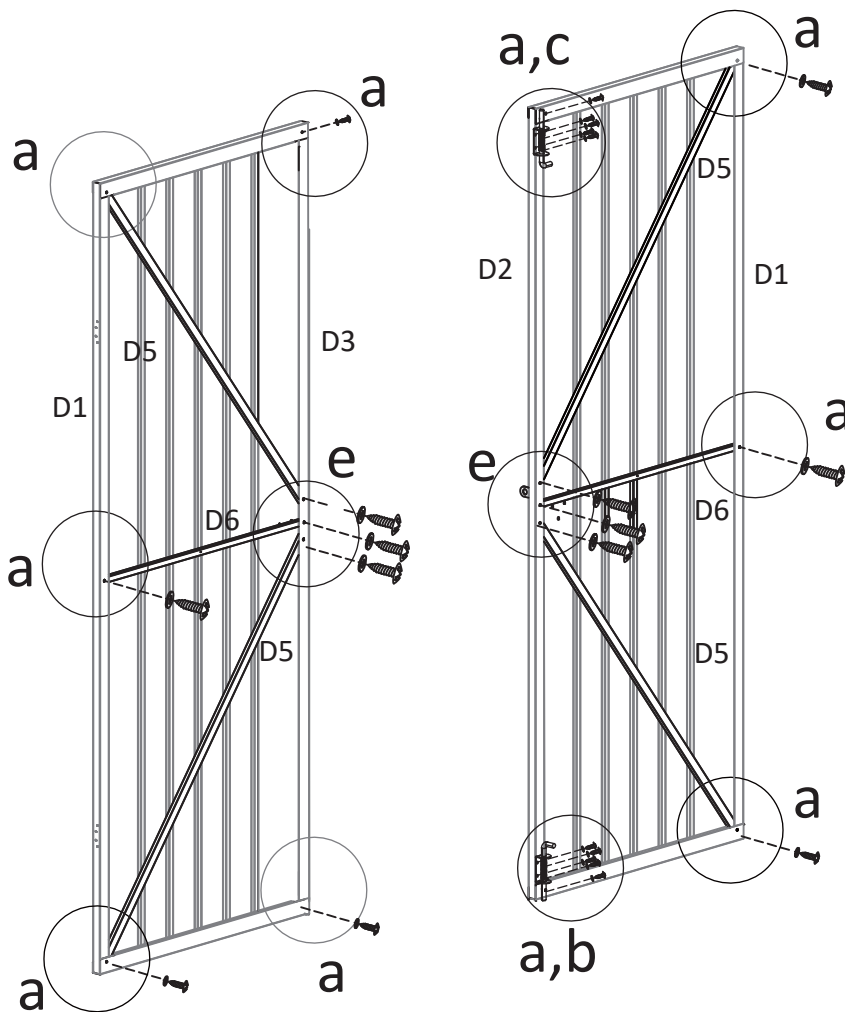
Attach R2 to D2 using two bolts (H7) and two nuts (H6).
Attach R3 to D3 using three bolts (H7) and three nuts (H6).

Step.16

	D5*4
	D6*2
	R4*2

	
H1	T1
*34	*34

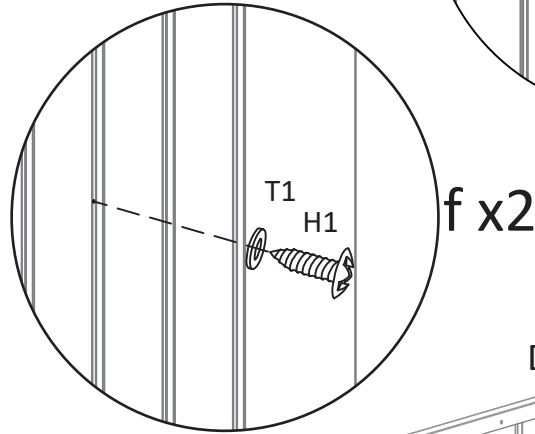
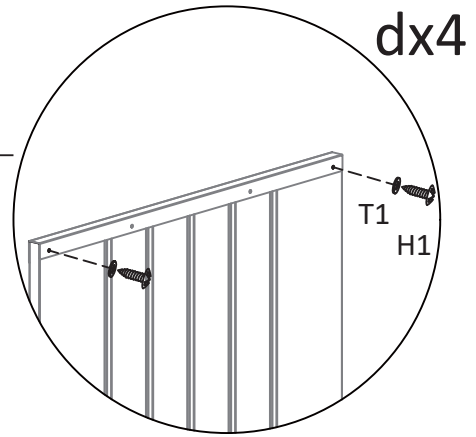
inside of door



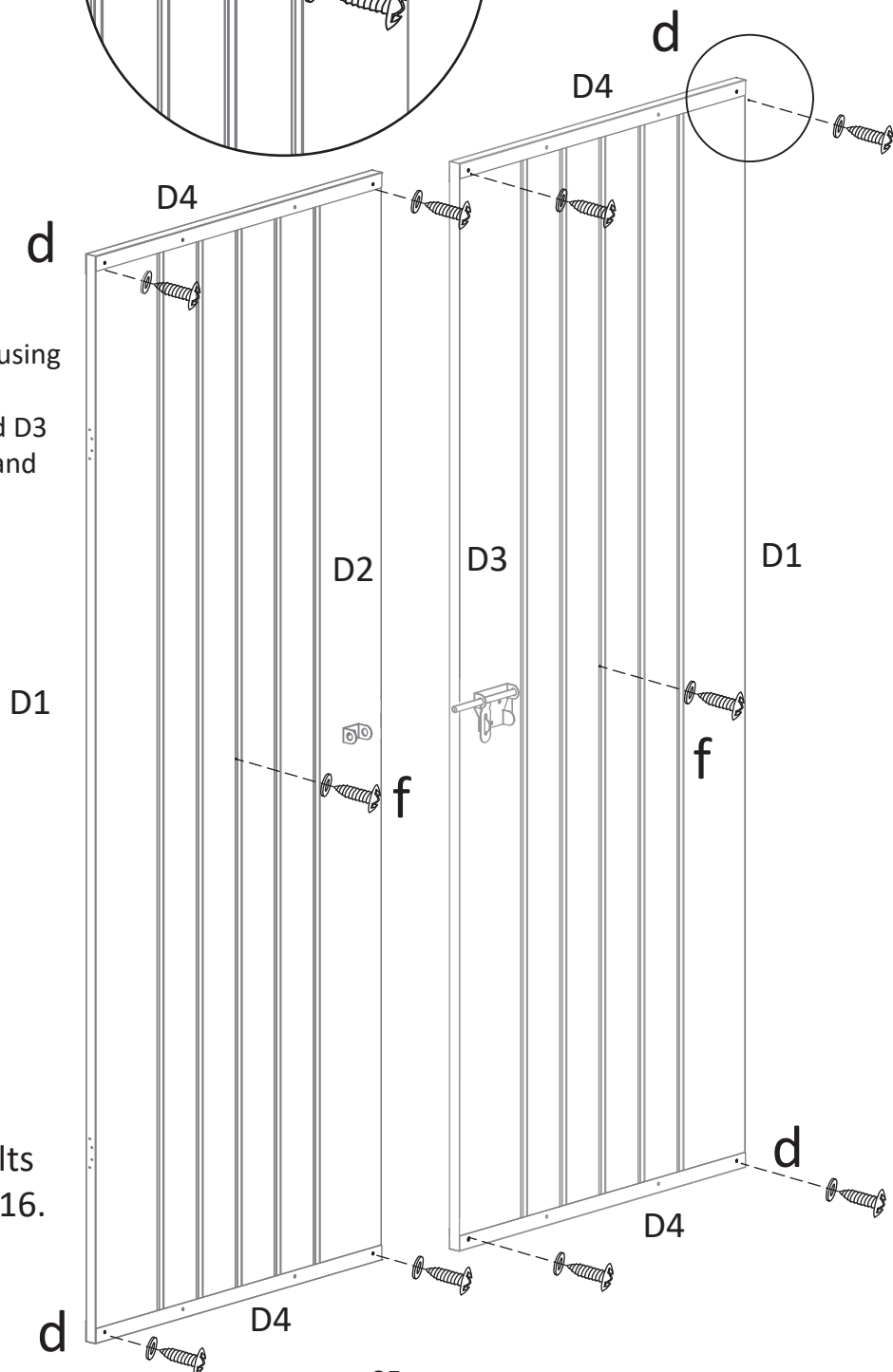
- a: Attach D4, D1 to D5 using four bolts (H1) and four washers (T1). Attach D4 to D2/D3 using four bolts (H1) and four washers (T1). Attach D1 to D6 using two bolts (H1) and two washers (T1).
- b: Attach R4 to D2 using four bolts (H1) and four washers (T1).
- c: Attach R4 to D2 using four bolts (H1) and four washers (T1).
- e: Attach D2 to D5/D6 using three bolts (H1) and three washers (T1), attach D3 to D5/D6 using three bolts (H1) and three washers (T1).

outside of door

outside of door: attach D4 to D1/D2/D3 using eight bolts (H1) and eight washers (T1).

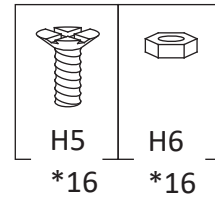
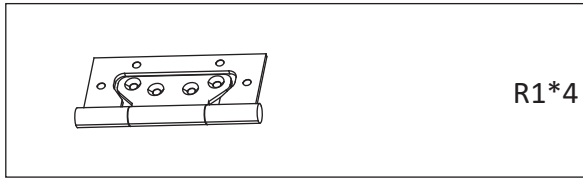


f: Attach D1 and D2 to D6 using one bolt (H1) and one washer (T1), attach D1 and D3 to D6 using one bolt (H1) and one washer (T1).

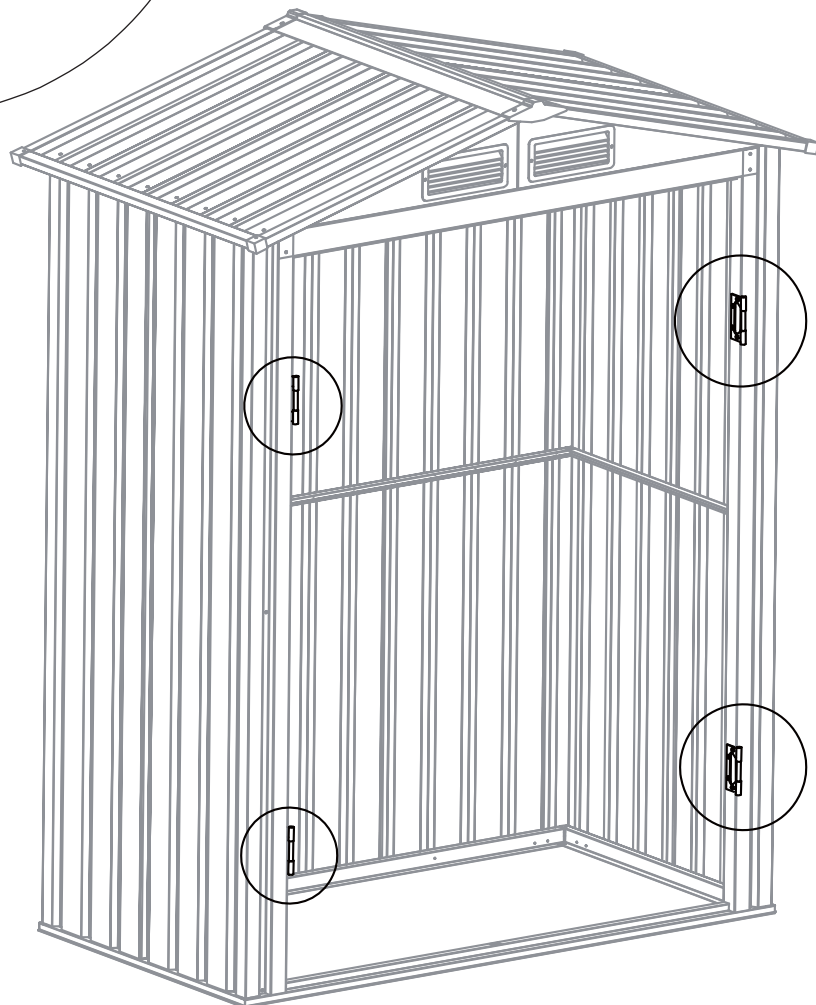


Note: Tighten the bolts from step 14 to step 16.

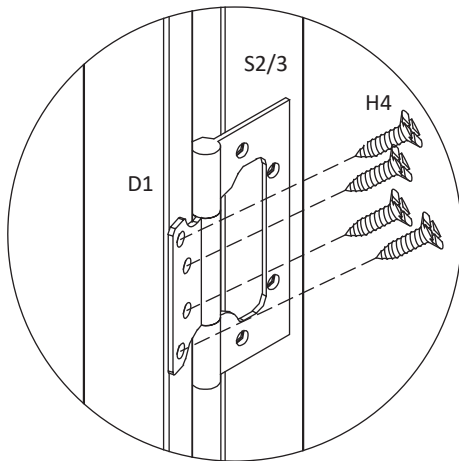
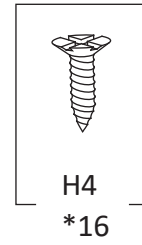
Step.17



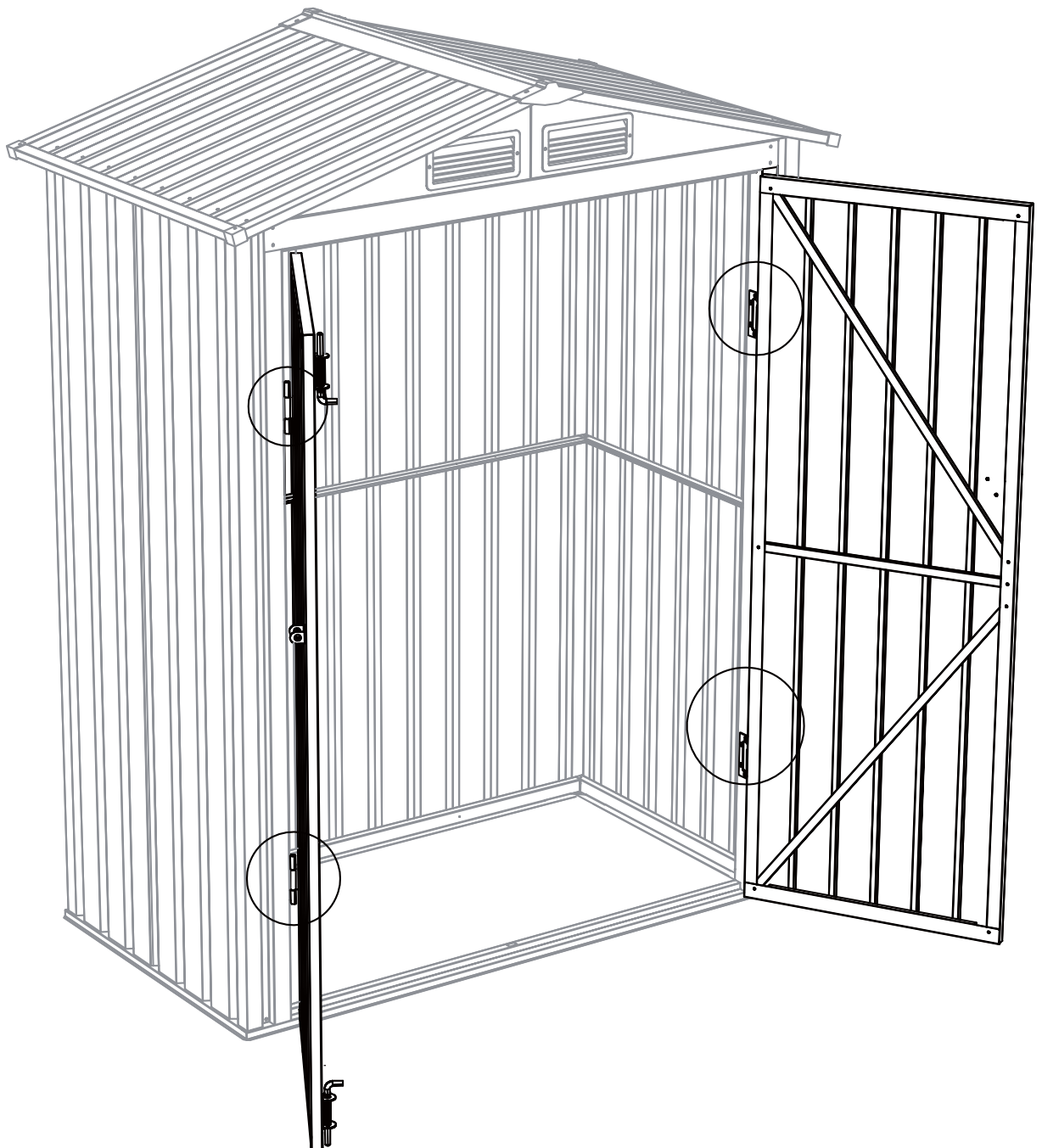
Attach R1 to S2 using four bolts (H5) and four nuts (H6).
Attach R1 to S3 using four bolts (H5) and four nuts (H6).



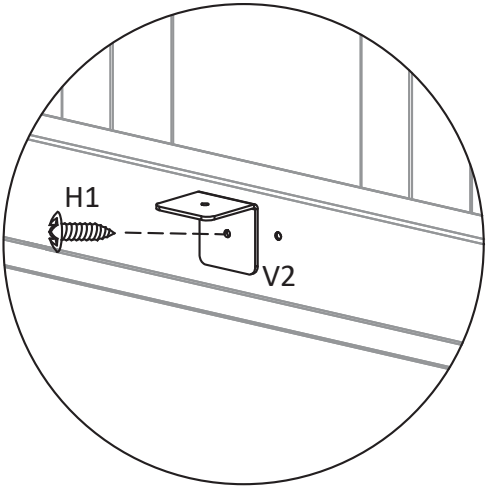
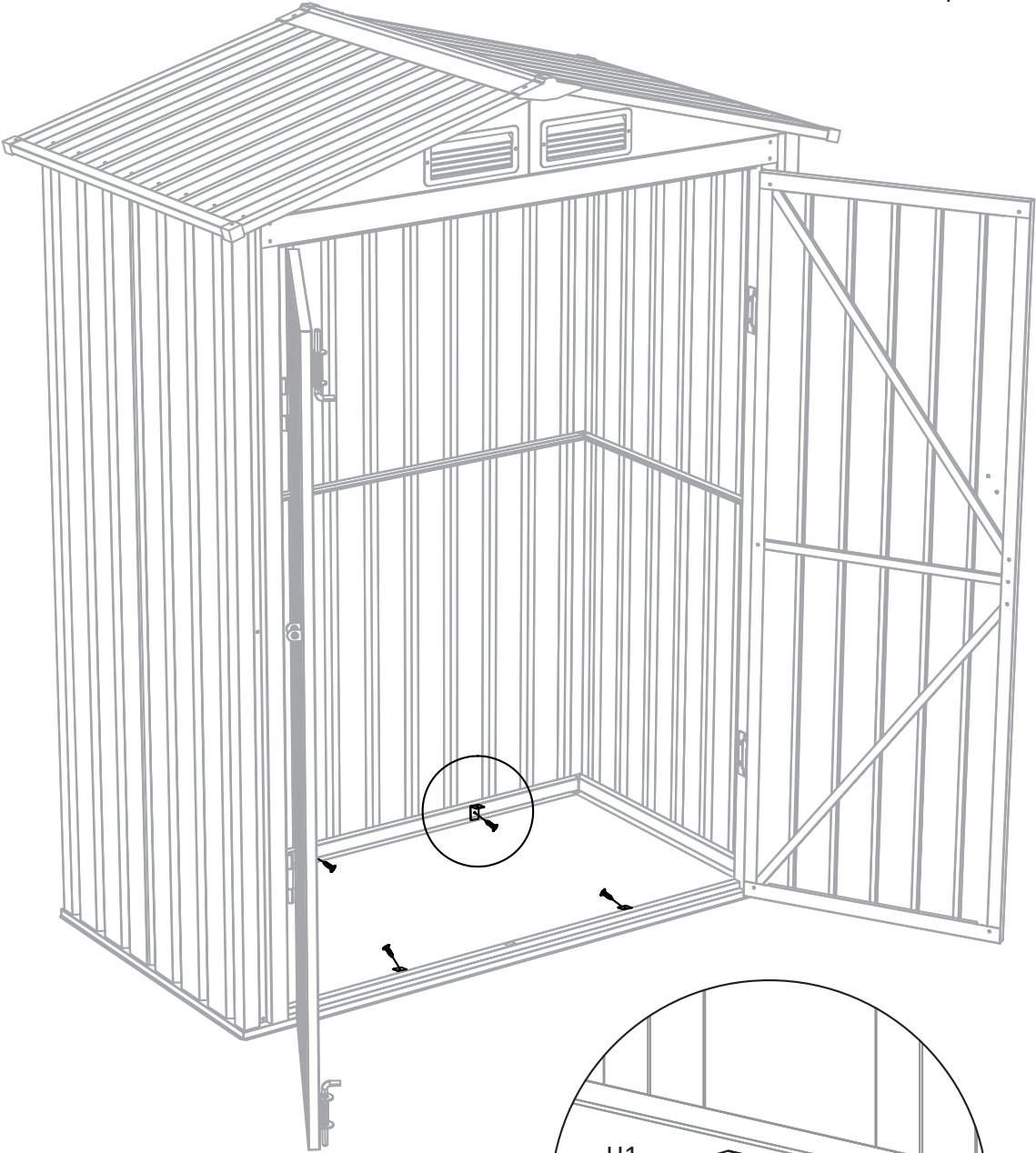
Step.18



Attach assembled door with S2 using four bolts (H4).
Attach assembled door with S3 using four bolts (H4).



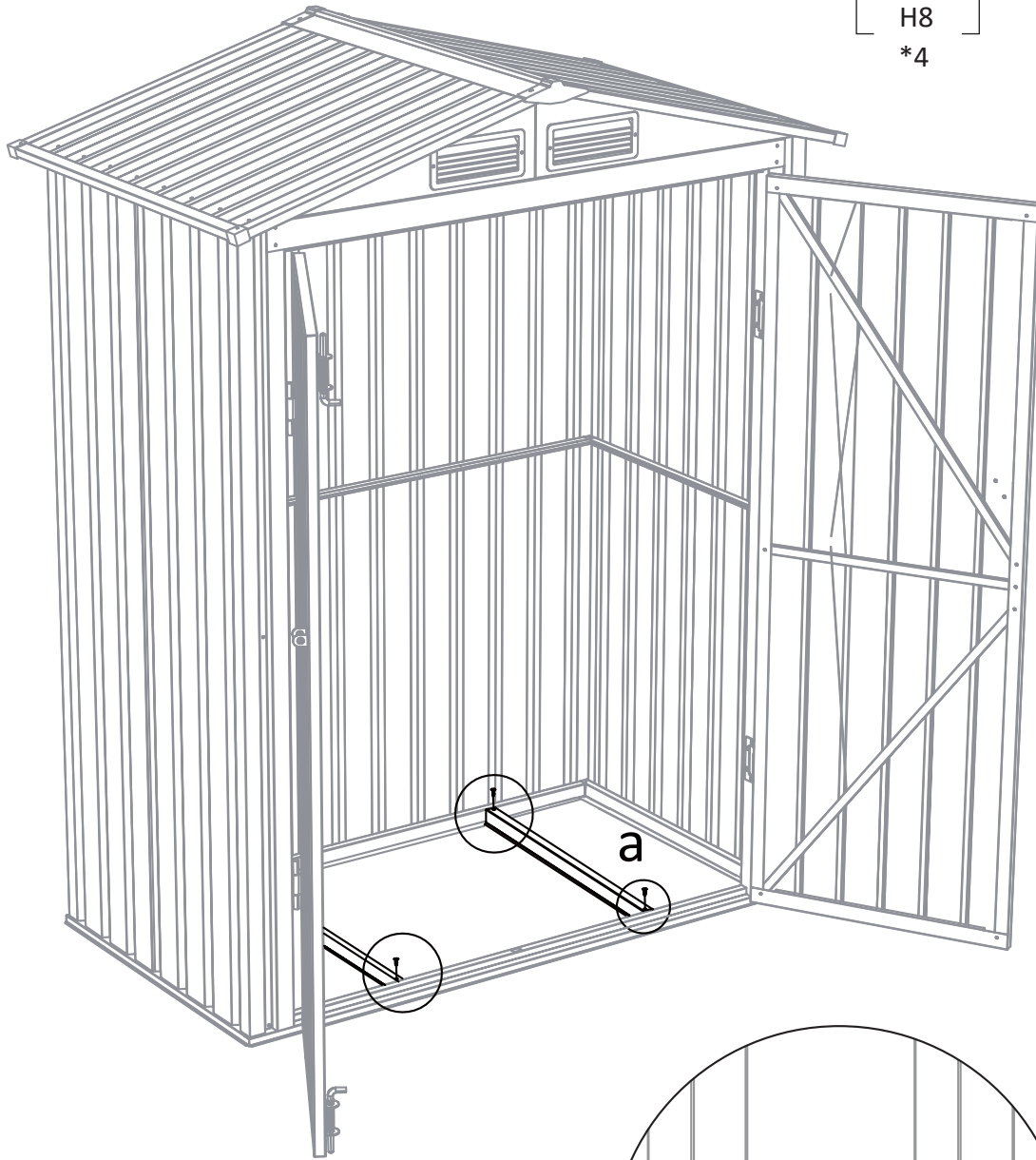
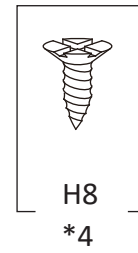
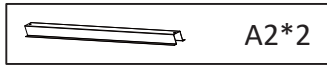
Step.19



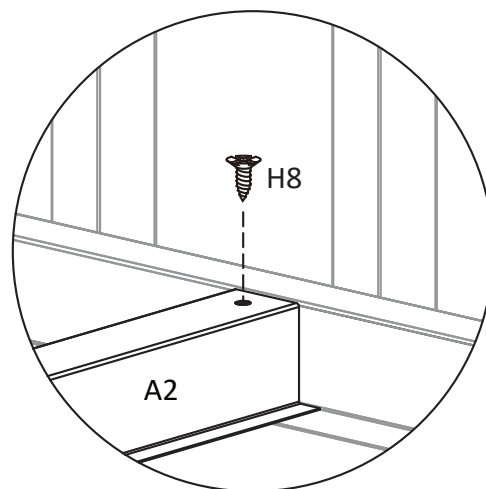
x4

Attach V2 to A3/A4 using four bolts (H1).

Step.20

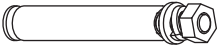
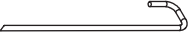





x4

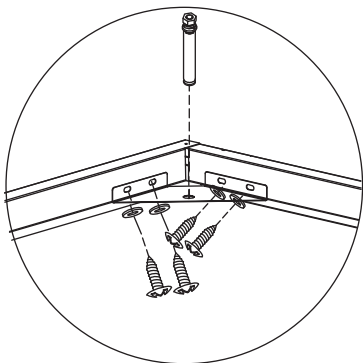
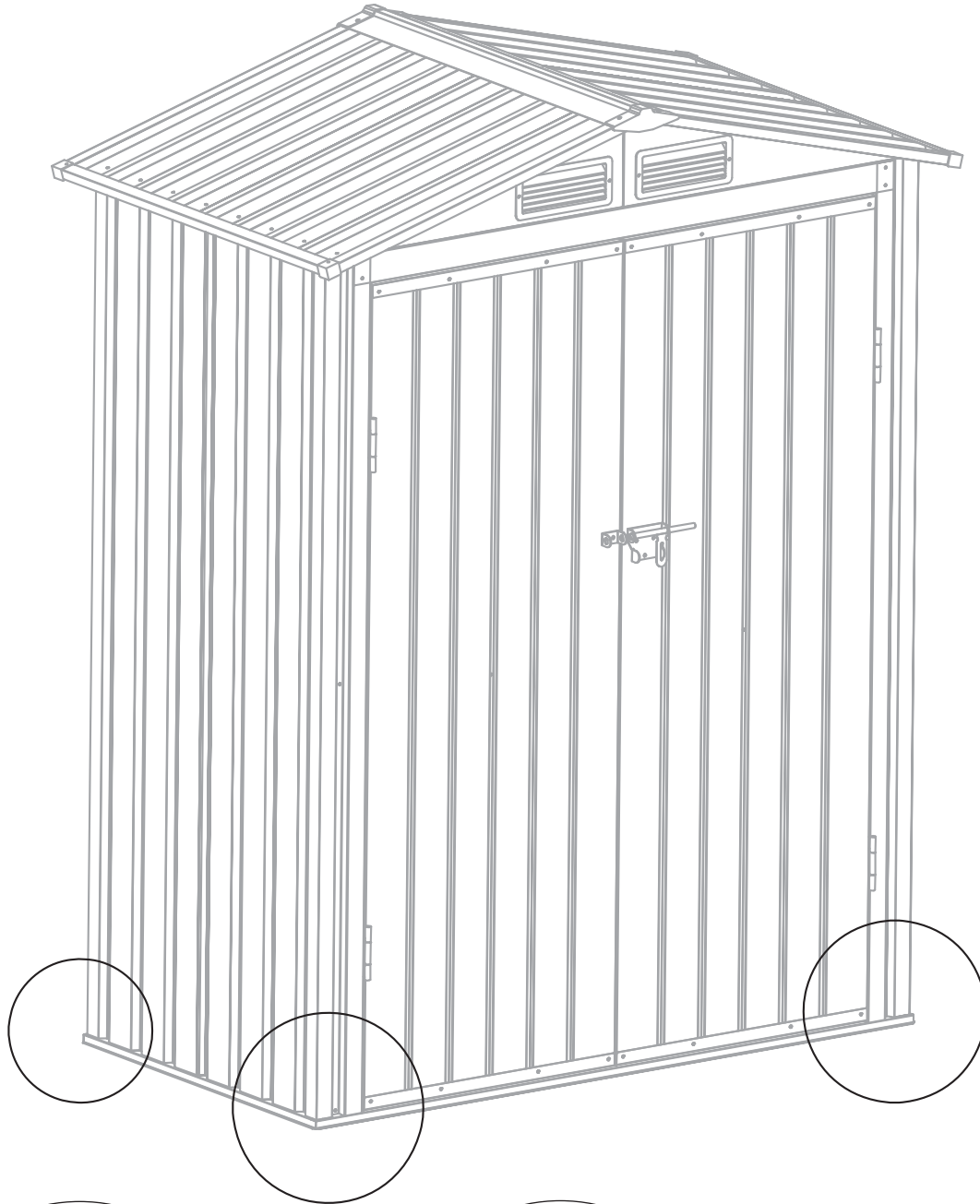


Attach A2 to V2 using four bolts (H8).

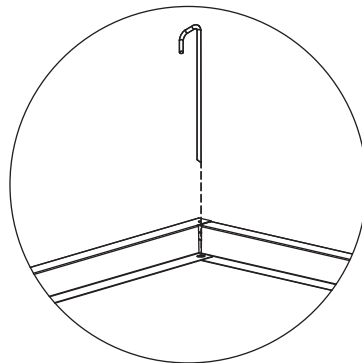
Step.21

	J3*4
	J2*4
	J1*4

	
H1 *16	T1 *16



or



x4

After assembly, fix the shed to the ground.