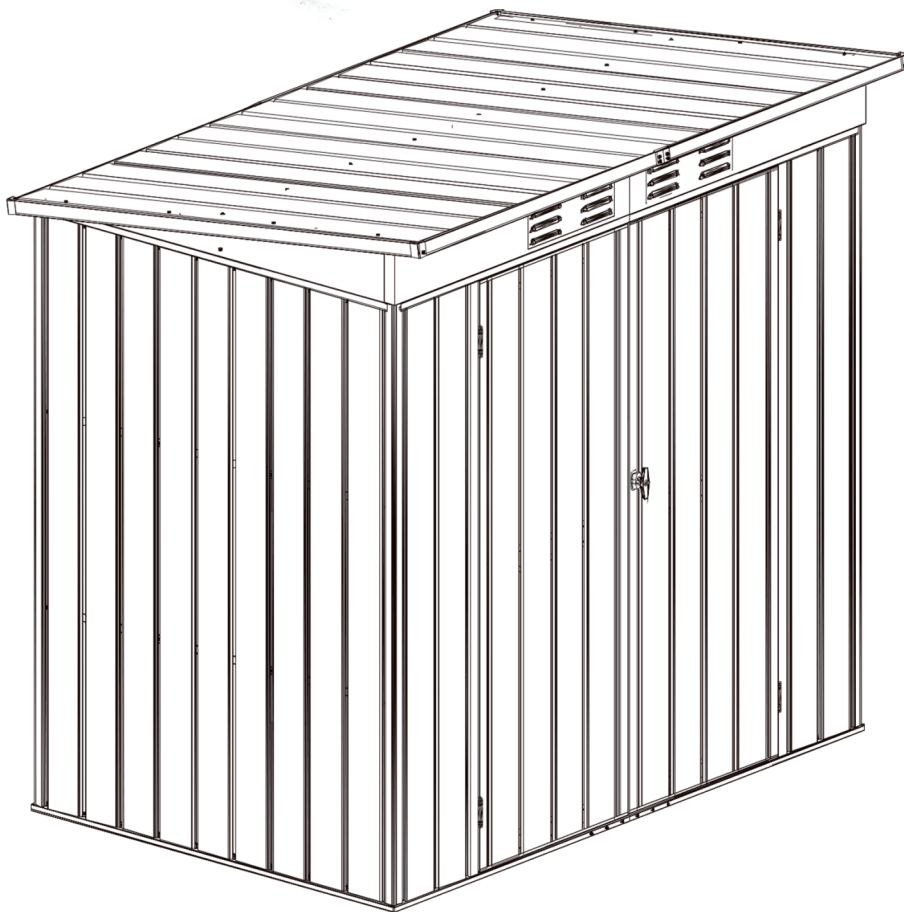# 6'×4' Tool Storage Shed

ASSEMBLY MANUAL

MODEL#: LGCF1601

Pre-assembly

1.Two or more people are required for assembly.

2.You will need one or more stepladders.

3. Wearing protective gloves is recommended.

4.You may need a safety hat.

5.Please use a Phillips screw driver.

6.For ease of construction, you may need a drill.

7.You may need a safety goggle.

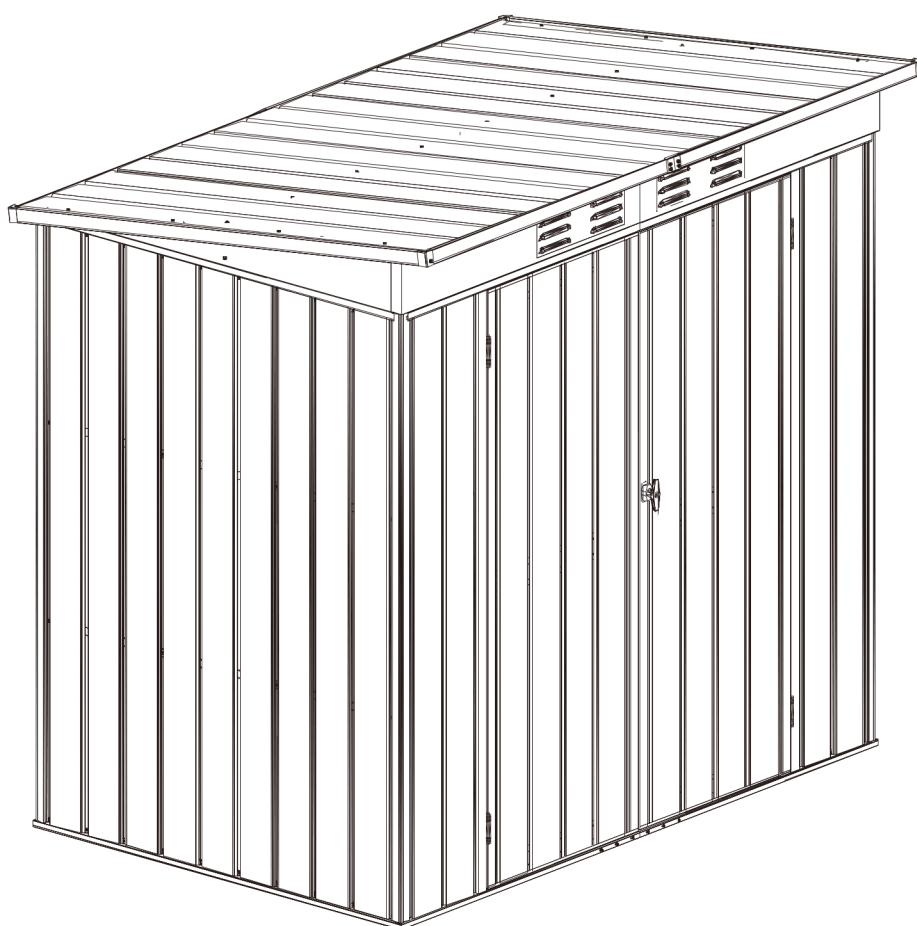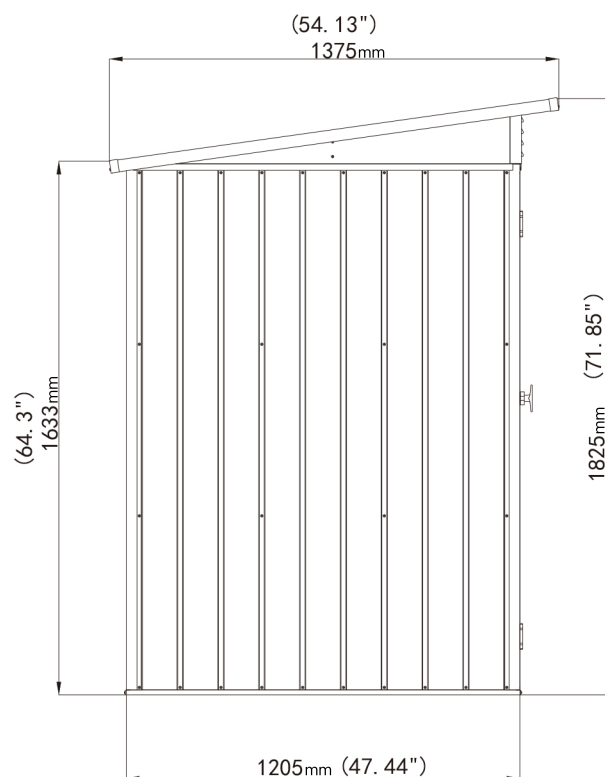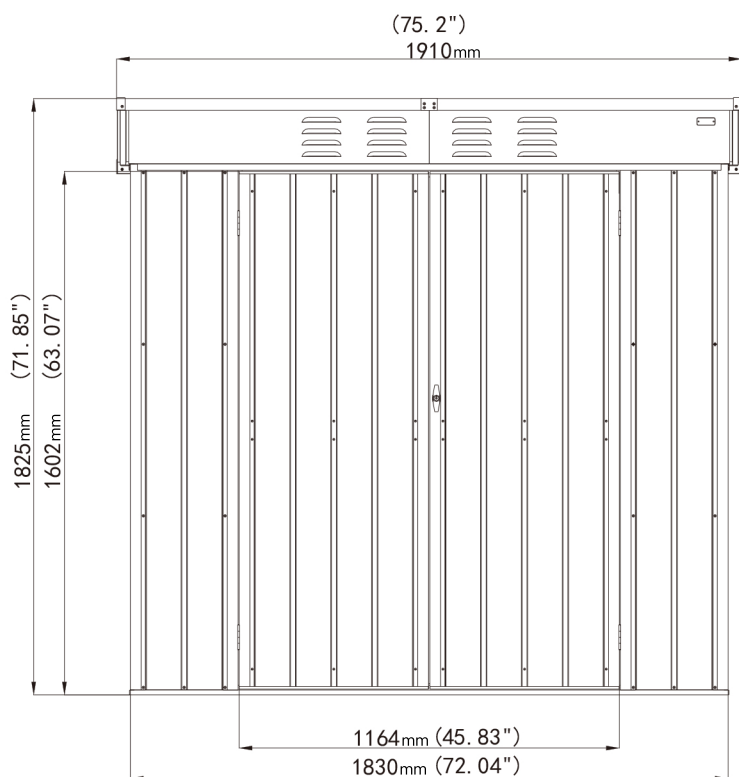8.Do not fully tighten screws prior to complete assembly.

Warning & Attention

-Try to assemble this product on the flat ground, otherwise it is difficult to carry out;

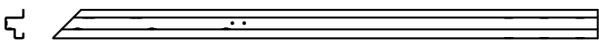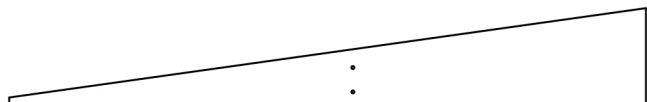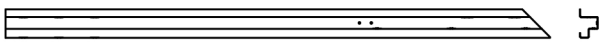-It would be much easier to assemble the product with three or more people;
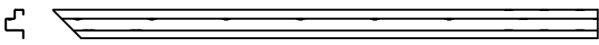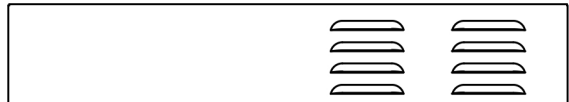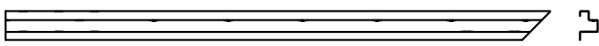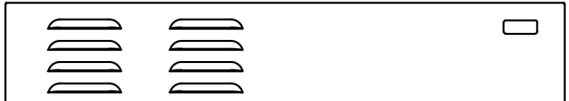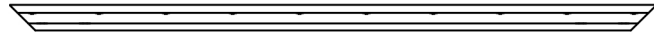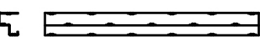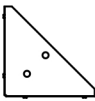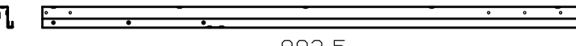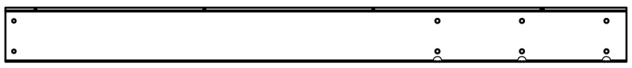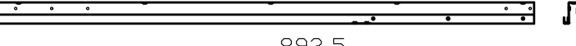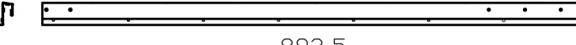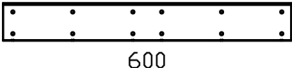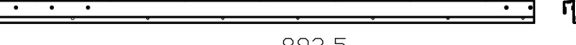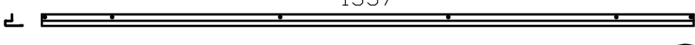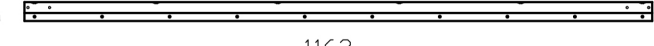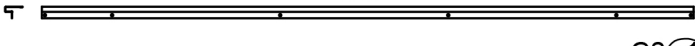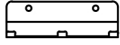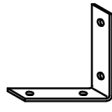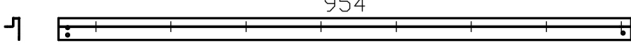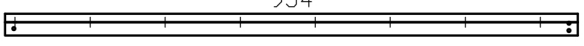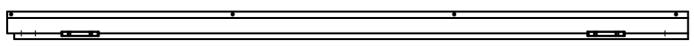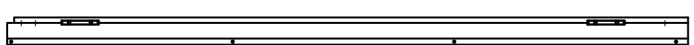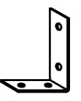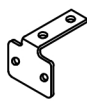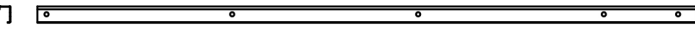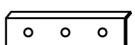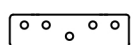
-After assembly, please check whether all screws are tightened, to prevent parts from falling apart.

⚠Use bolts to secure the frame to the ground to against the strong wind.

(75. 2")
1910mm

(54. 13")
1375mm

(71. 85")
1825mm
(63. 07")
1602mm

(64. 3")
1633mm

(71. 85")
1825mm

1164mm (45. 83")
1830mm (72. 04")

1205mm (47. 44")

1601-00

The manual will assist you during the whole process of assembling.
Make sure you have all the parts & hardware as list 1 and list 2 shown;
Prepare the level ground for installation.

916 — A1 (x1)	1178,5 — D1 (x1)
916 — A2 (x1)	1178,5 — D2 (x1)
916 — A3 (x1)	919,9 — E1 (x1)
916 — A4 (x1)	919,9 — E2 (x1)
1207 — A5 (x2)	919,5 — E3 (x1)

A7 (x2)   A (x4)

919,5 — E4 (x1)

893,5 — B1 (x1)	D3 (x2) 600 — E5 (x1)
893,5 — B2 (x1)	1357 — G1 (x1)
893,5 — B3 (x1)	1357 — G2 (x1)
893,5 — B4 (x1)	954 — G3 (x2)
1162 — B5 (x2)	954 — G4 (x2)

B7 (x2)   B8 (x1)   B (x4)

G5 (x2)   G6 (x2)   G7 (x2)

1608,5 — C (x4)	887 — H3 (x2)
1609 — C1 (x1)	887 — H4 (x2)
1609 — C2 (x1)	1149 — H5 x4

C3 (x2)   C4 (x2)

H7 (x2)   Y (x4)   Z (x8)

1601–list 1

1608 J (x6)	1608 J2 (x3)	1608 J1 (x3)

579 M4(x1)

579 M5(x1)

579 M6(x1)

579 M7(x2)

579 M8(x1)

M9(x1)　　　M10(x1)

1357 K4(x1)

1357 K3(x1)

1357 K2(x2)

1357 K1(x1)

🔩	⊙		4x10	1# (x158)
🔩	⊙ ⬡		M4x6	2# (x106)
🔩	⊙ ⊙ ⬡		M4x8	3# (x32)
🔩		▭	4x22	5# (x8)
🔩	⊙ ⬡		M4x8	8# (x8)
🔩	⊙	▭	4x12	9# (x46)
🔩			M4x8	10# (x24)
🔩	⊙		4x16	12# (x28)
🔩	⬡		M4x8	15# (x9)

1582 M (x2)

1582 M1(x2)

1582 M2(x1)

1582 M3(x1)

Hole position correction drill

Hexagonal socket wrench

Cross screwdriver

Hand Gloves

1601–list 2

Hole position correction drill

✕
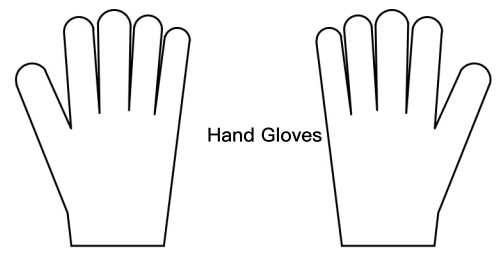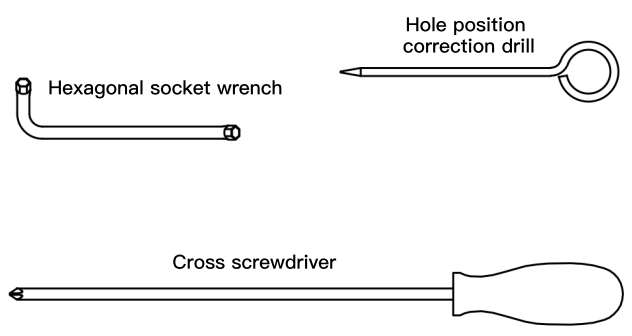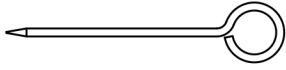
Correct the screw holes by
hole position correction drill

✓
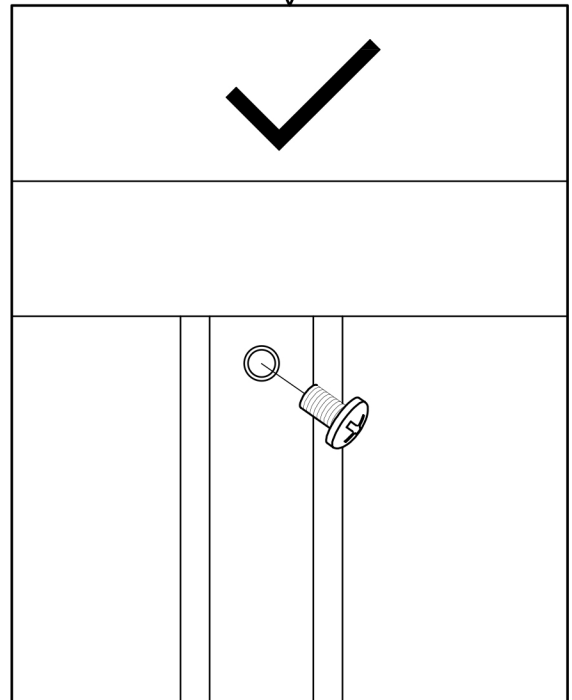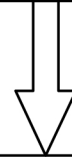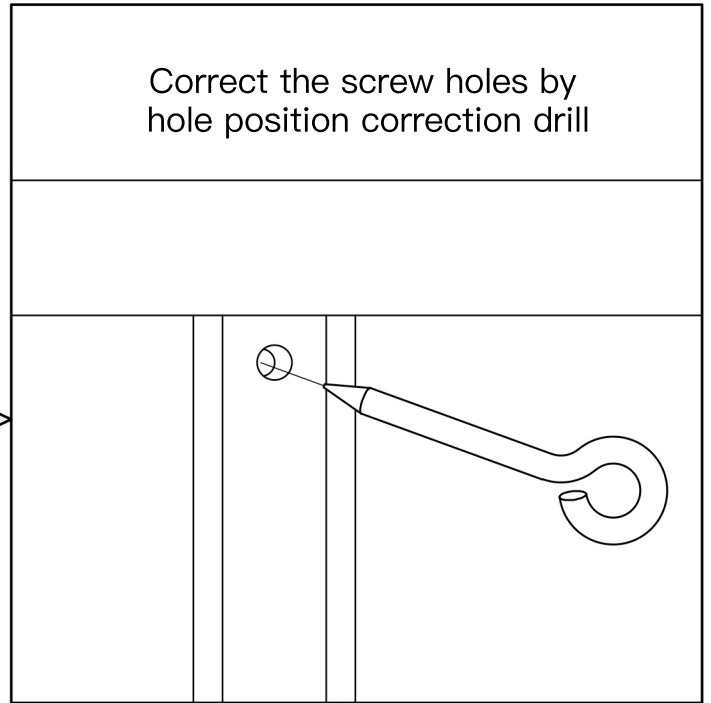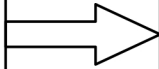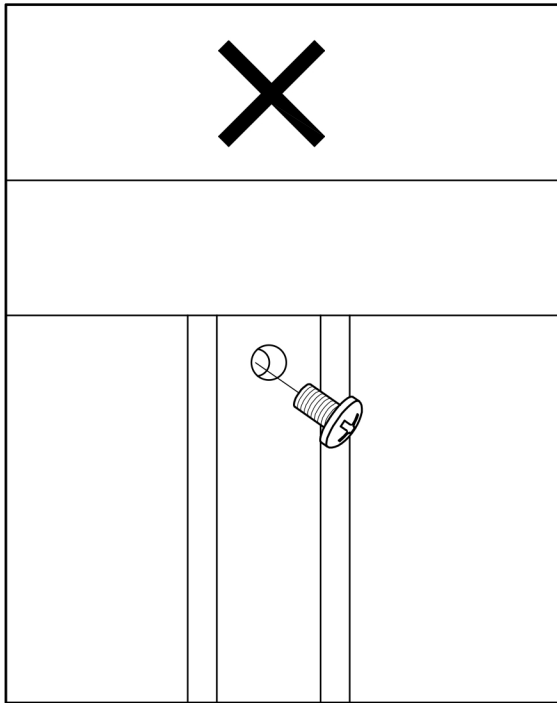
If the screw holes are
not symmetrical,
you can use this tool
to correct the hole position.

A3 (x1)   A4 (x1)   A5 (x2)

A1 (x1)   A2 (x1)   A7 (x2)   1# (x24)

Plastic Gaskets

A3   ①   A4

A5   A5

①

A1   A2

1# 1# 1#   1# 1# 1#

A7

1# 1# 1#   1# 1# 1#
A1／A4   A2／A3
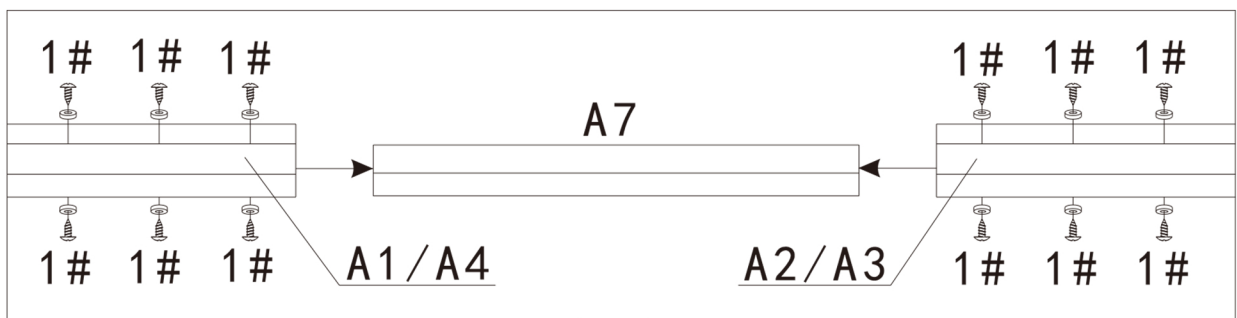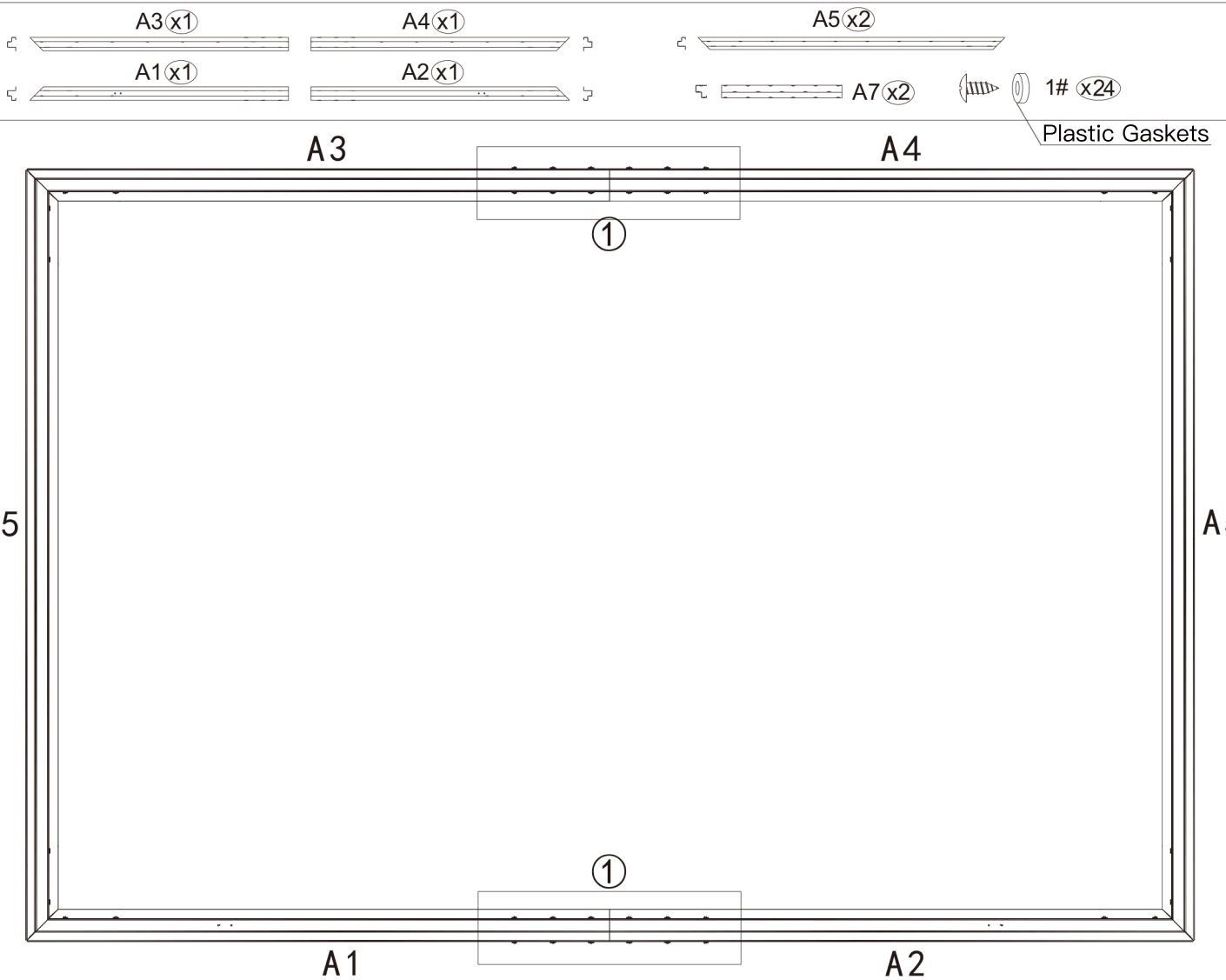
1. Firstly, use part#A7 to connect part#A1(A4) and part#A2(A3) respectively
and then form the bottom frame with part#A5 and fix by screws 1# and gaskets.

A1／A4   A2／A3

1#   1#   1#   ①   1#   1#   1#
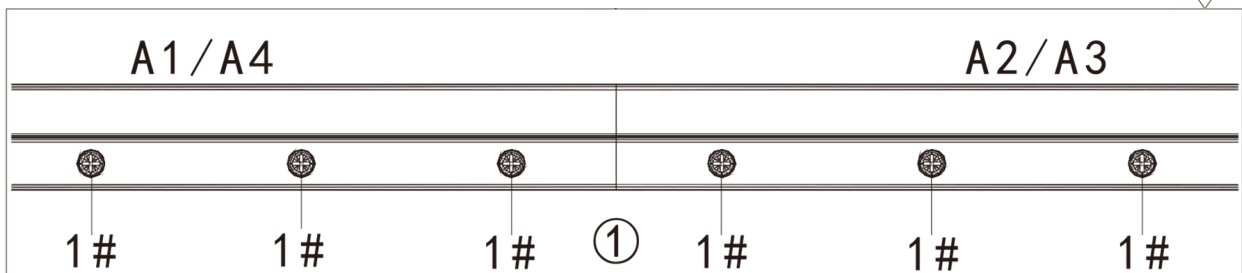
⚠ Attention: four corners MUST been right angles and check if the
two diagonal distance of square is equal by tape measure

01
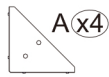
2. Fix the corners with part#A and fasten with screws 1# and gaskets.

1#

1#

1#

A
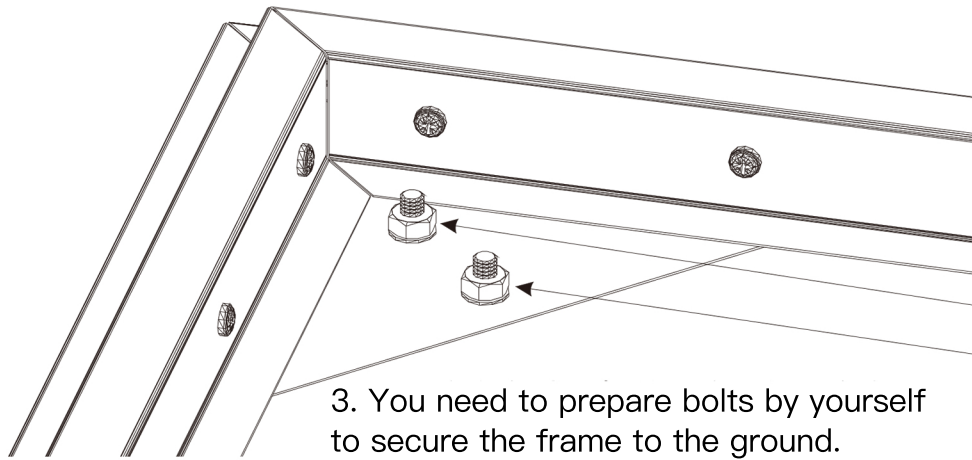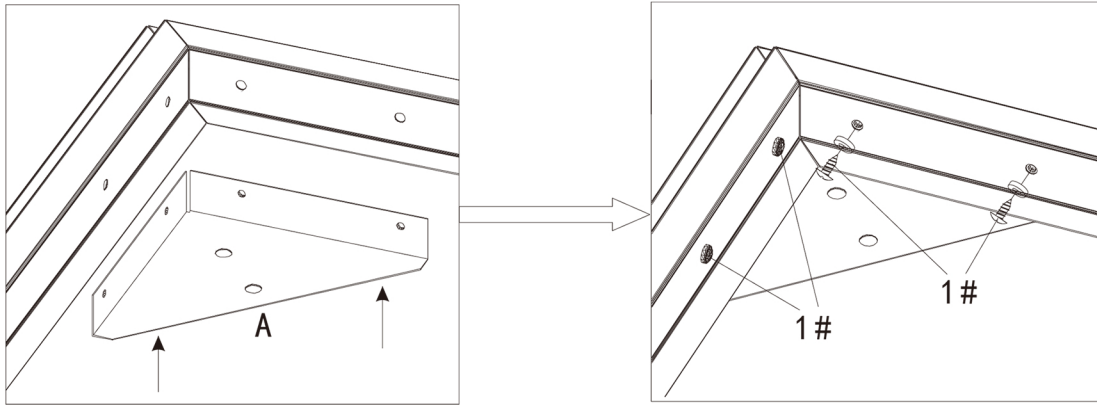
M6-8pcs

3. You need to prepare bolts by yourself to secure the frame to the ground.

①
A1   9#   C3

②
C3   9#   A2
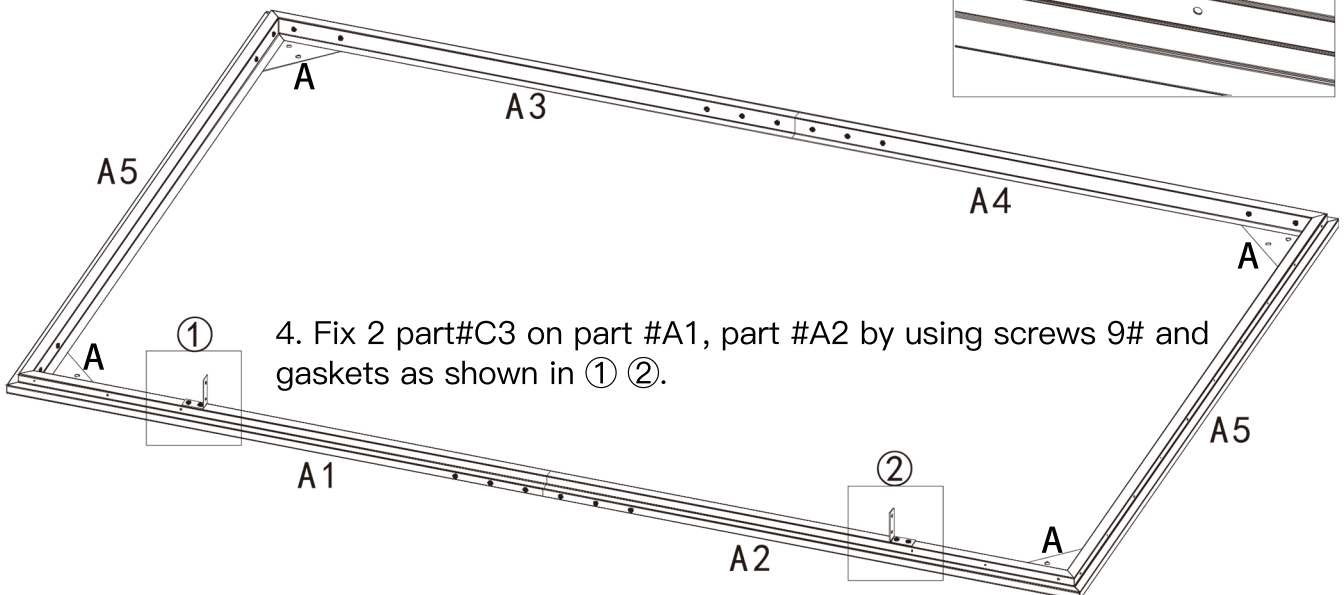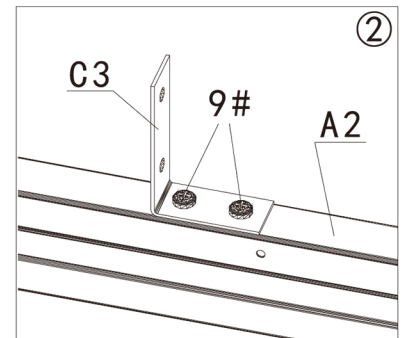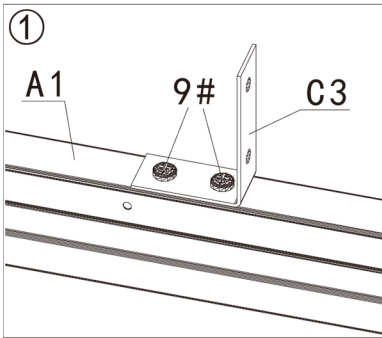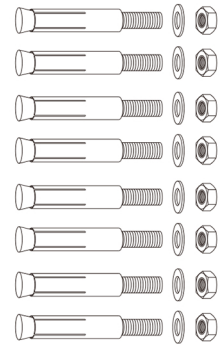
A
A3
A5
A4
A
A5
①
A
4. Fix 2 part#C3 on part #A1, part #A2 by using screws 9# and gaskets as shown in ① ②.
②
A1
A2
A

Plastic Gaskets

J (x2)   J2 (x2)   C1 (x1)   C2 (x1)   1# (x12)

C (x2)   2# (x8)   3# (x4)

① ② Steel Gaskets   2 Steel Gaskets

Section View ①

J

C   2#   J2   2#   C1

Section View ②

C2   2#   J2   2#   C   J
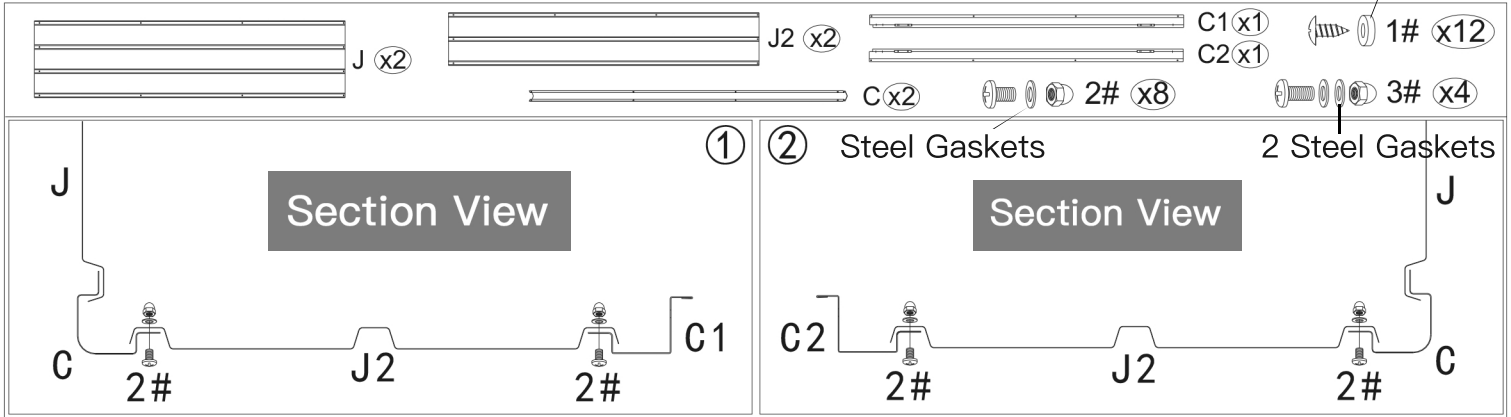
Step 1: Install part #C/J2/C1 with screws 2#, gaskets and nuts as shown in ①.

Step 2: Place the assembled wall (C/J2/C1) on the bottom frame(A1), using 3 screws 1# and gaskets to fix.
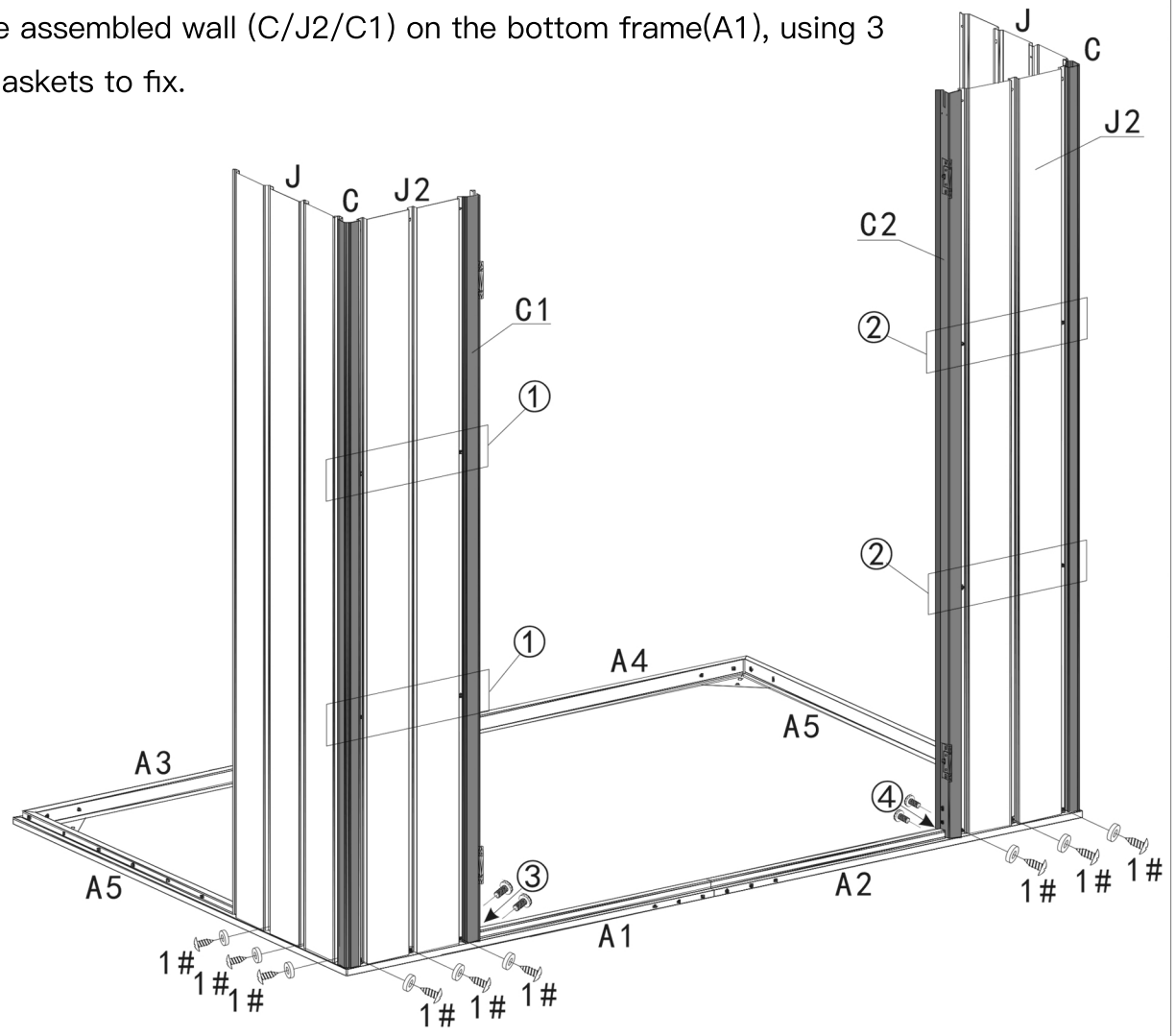
Step 3: Place part#J on the bottom frame(A5), using 3 screws 1# and gaskets to fix.

Repeat the above procedures to assemble the another side.

Step 4: Fix the part #C3 to the part #C1(C2) with 2 screws 3#, gaskets and nuts each as shown in ③④.

③ C1   3#   C3   3#   A1

④ C2   3#   C3   3#   A2

Plastic Gaskets

J (x2)   J1 (x2)   H5 (x4)   1# (x14)

C (x2)   9# (x8)
Plastic Gaskets

①
C   J2
9#
J   H5

③
J2   C
9#
H5   J
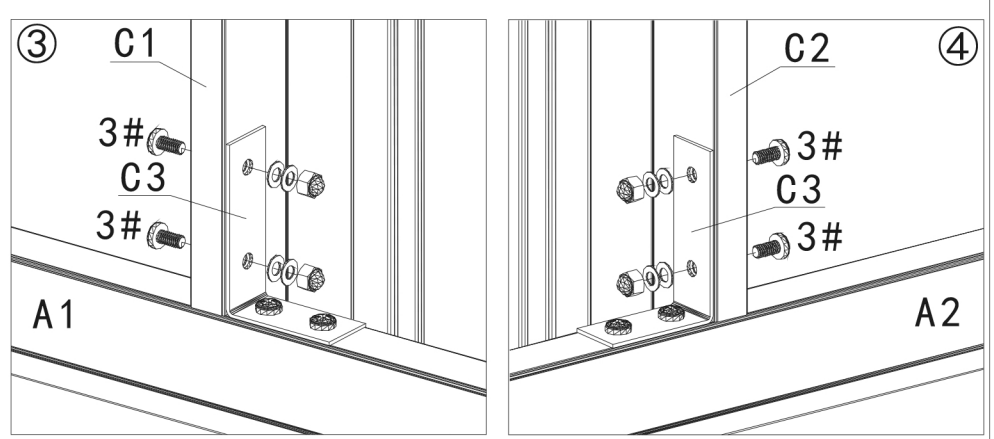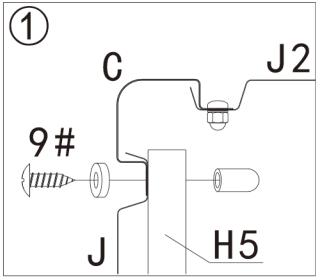
Step1: Place part #J/C/J1 on the bottom frame (A4/A5), using 7 screws 1# and gaskets to fix.

Front side

J   C   J1

J1   J   C

H5
③

H5
③

④

④

①

H5

①

H5

②

②

A5

1#   1#

A4

A3   1#

Back side

②
J   H5
9#
C   J1
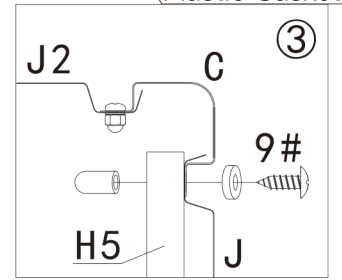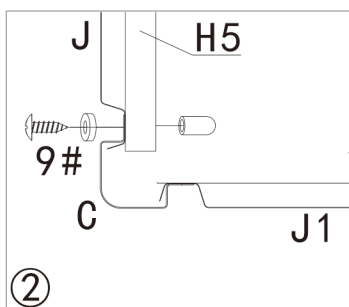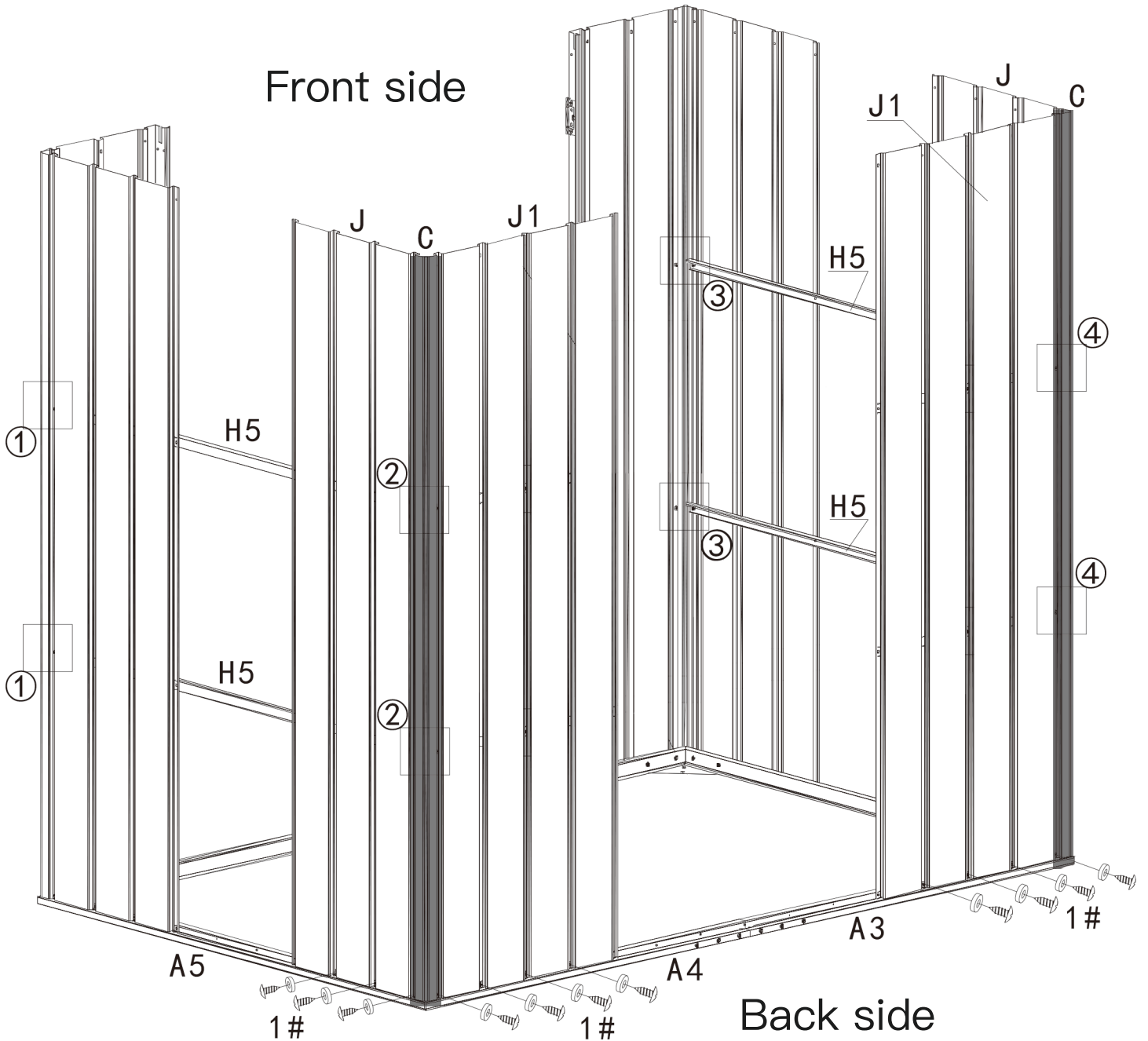
Step2: Installed 2 part#H5 with 4 screws 9# and gaskets, then put on the plastic caps as shown in ① ②.

Repeat the above procedures to assemble the another side as shown in ③ ④.

④
H5   J
9#
J1   C

04

H7 (x2)

H3 (x2)
H4 (x2)

3# (x4)
2 Steel Gaskets

9# (x8)
Plastic Gaskets

H3

3# 3#

H4

H7

H3/H4

H7

3#
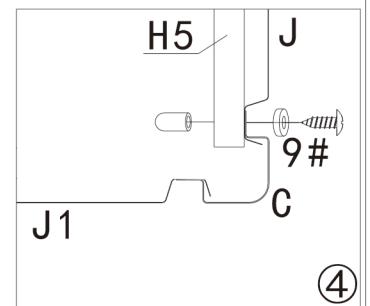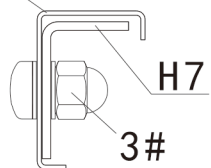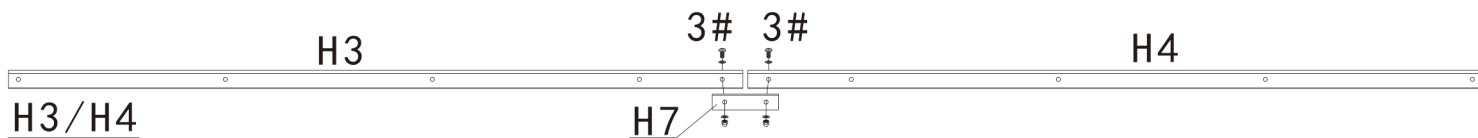
Use part#H7 to connect part#H3 and part#H4, and fix by screws 3#, gaskets and nuts.

Front side

H4

J

C

J1

J1

J

C

H5

H5

H3

①

②

③

②

H5

H5

①

H3

②

③

②

H4

A3

1#

A5

A4

Back side

1#

1#
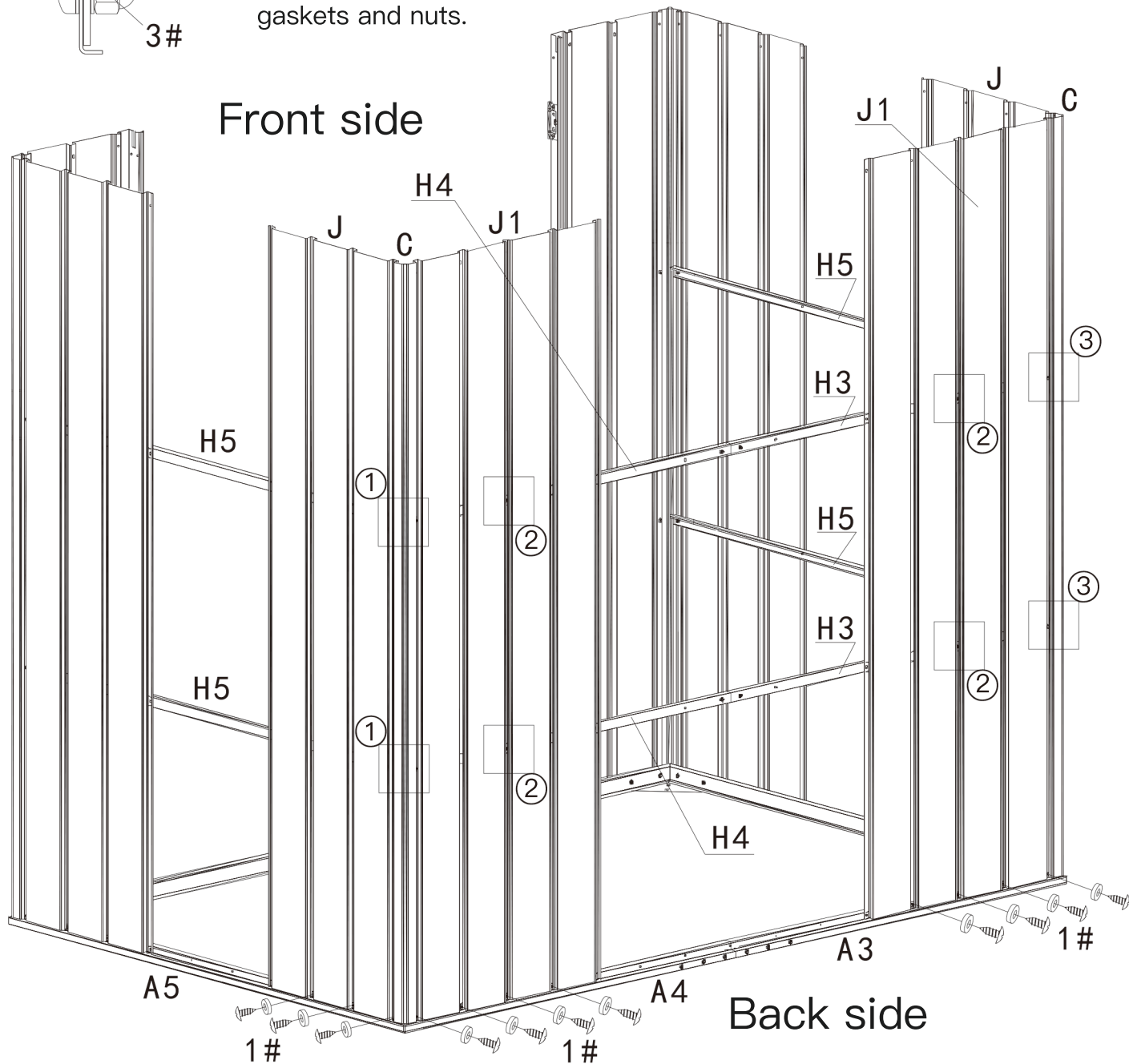
Installed 2 assembled part #H3/H4 with 8 screws 9# and gaskets, then put on the plastic caps as shown in ① ② ③.

J

H5

9#

H4

C

J1

9#

05   ①

J1

9#

Before

H3/H4

Plastic Cap

J1

H3/H4

9#

②

After

H5

J

H3

9#

H3

J1

C

9#

③

J (x2) J1 (x1) J2 (x1) 1# (x15) 9# (x16)

Plastic Gaskets

J

J

J1

J2

9# 9# 9# 9# 9# 9# 9# 9# 9# 9# 9# 9#

1# 1#
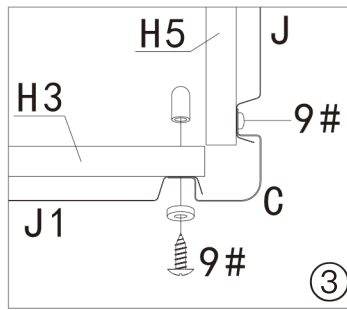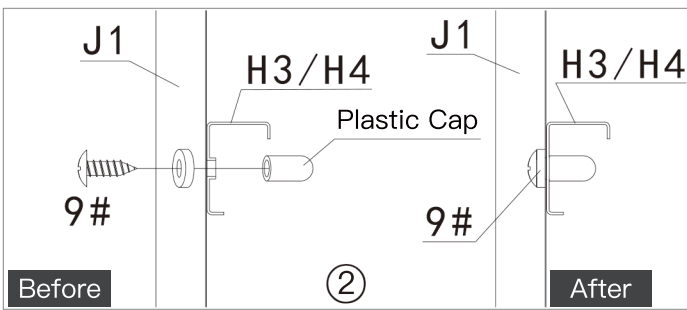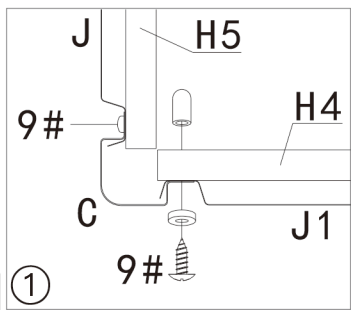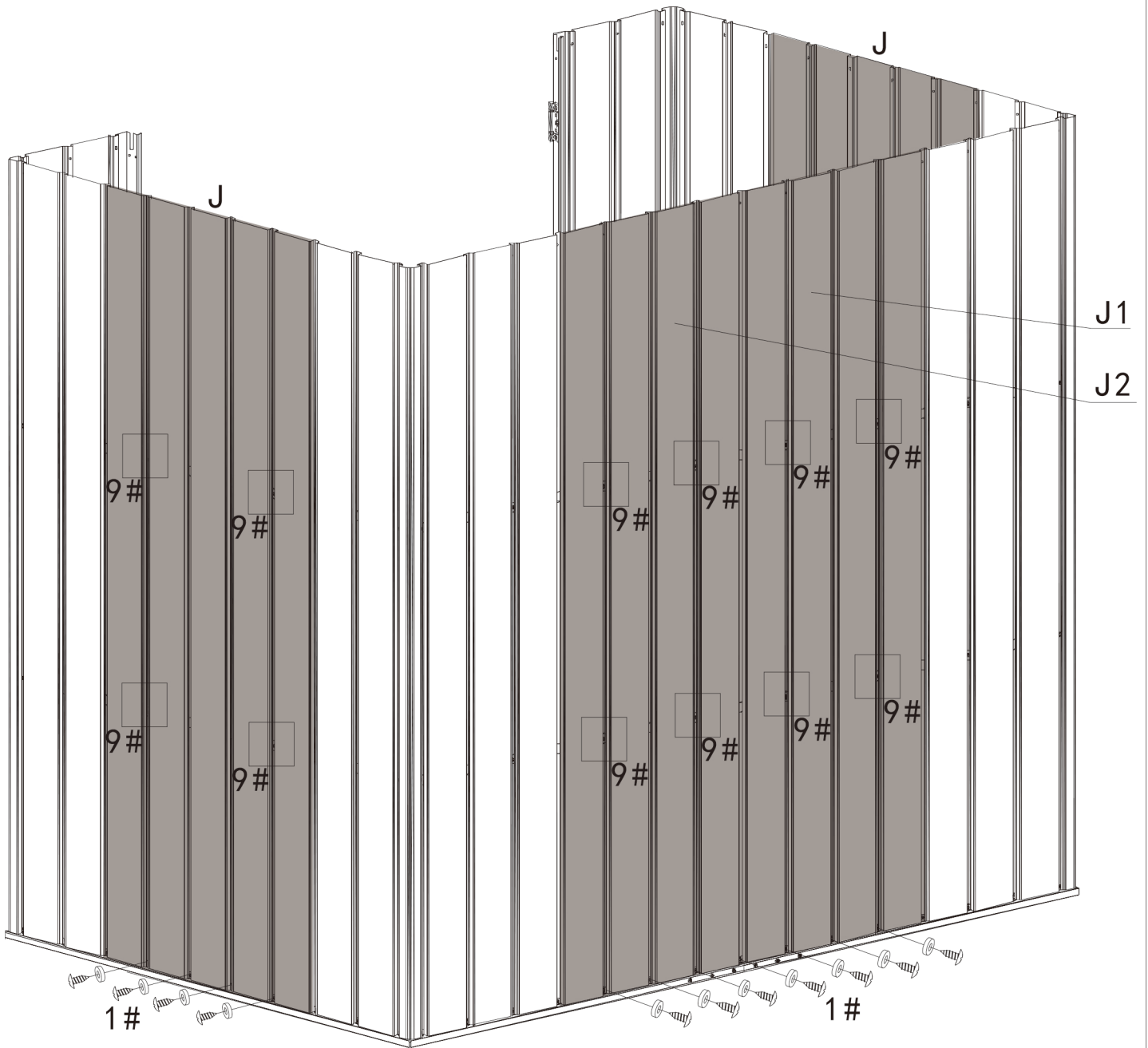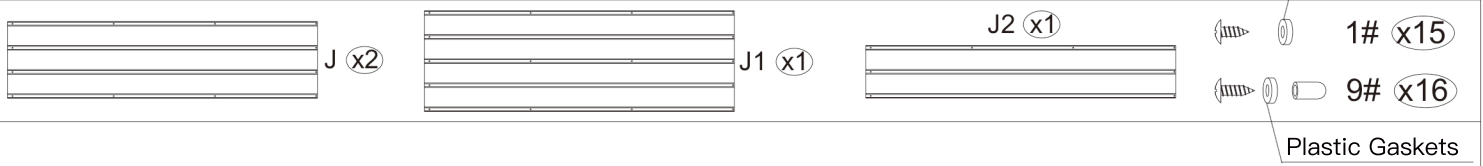
Install part#J1/J2: Use screws 1# and gaskets to fix them on the bottom frame.

Fix part #H3/H4/H5 to part#J1/J2 with screws 9# and gaskets, then put on the plastic caps.

Repeat the above procedures to assemble 2 part #J on side wall.

H3/H4/H5 H3/H4/H5

Plastic Cap

9# 9#

Plastic Cap

J/J1/J2 J/J1/J2

Before After

06

B3 (x1)

B4 (x1)

B5 (x2)

B1 (x1)

B2 (x1)

B7 (x2)

B8 (x1)

12# (x12)

Plastic Gaskets

B2

B5

① Front side

B1

B4

② Back side

B2

B3

B7

B5

B8

B1

B2

① B1

12#

12#

12#

12#

B8

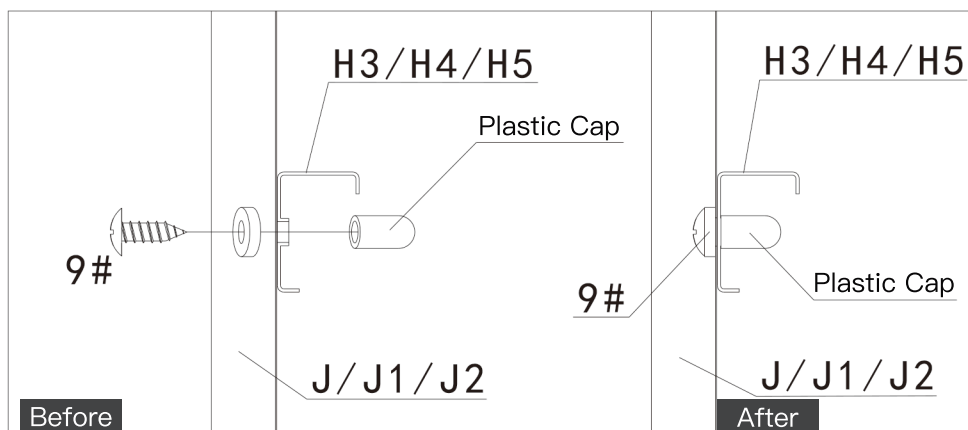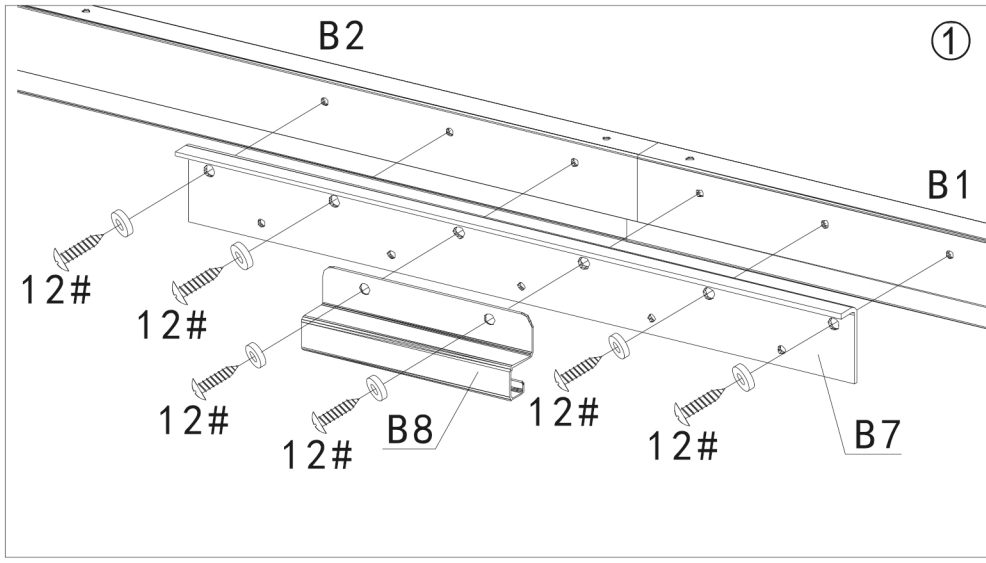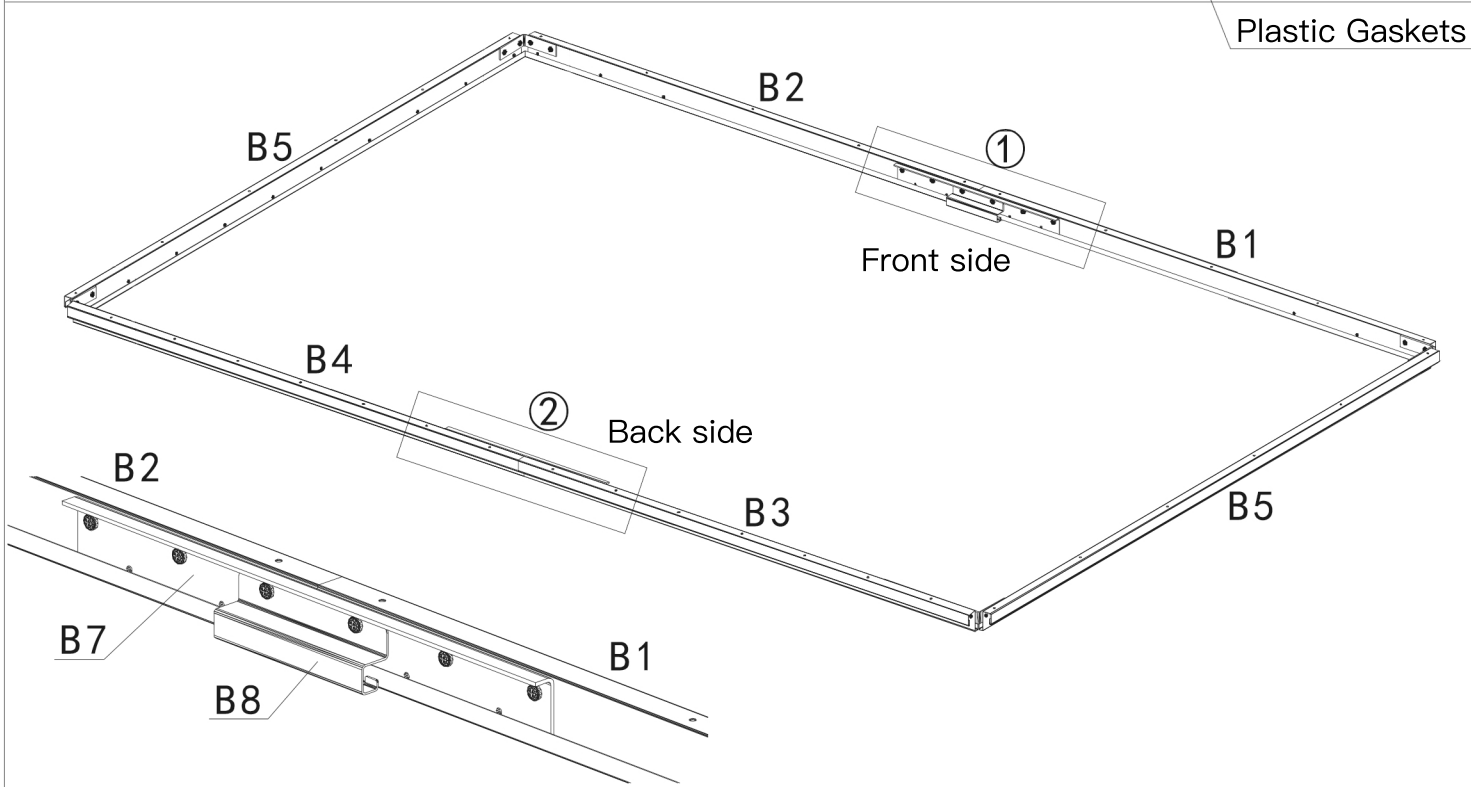12#

12#

B7
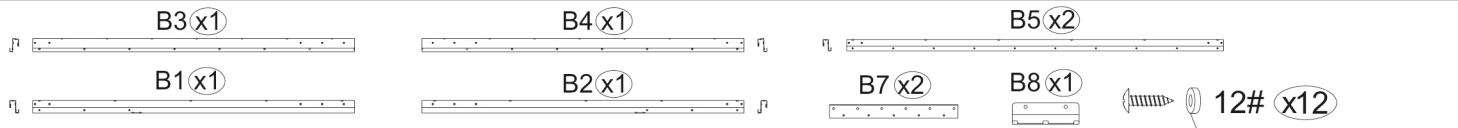
Firstly, connect part #B1 and part #B2;
Secondly, insert part #B7&B8 on the inside of part #B1/B2 with screws 12# and gaskets as shown in ①.

B3

②

B4

12#

12#

12#

12#

12#

12#

B7
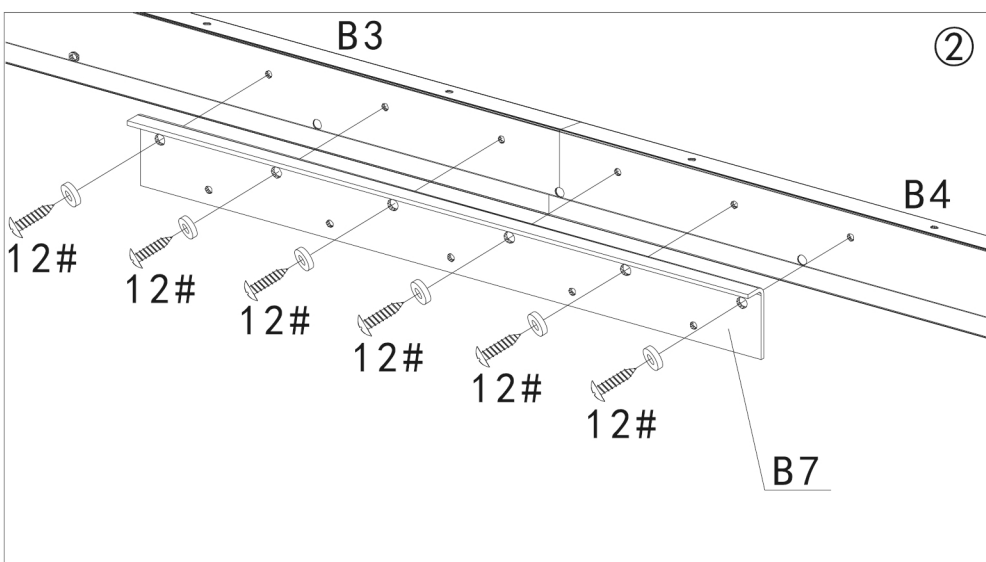
Insert part #B7 on the inside of part #B3/B4 with screws 12# and gaskets as shown in ②.

07

12# (x16) Plastic Gaskets	C4 (x2)	9# (x4) Plastic Gaskets	B (x4)
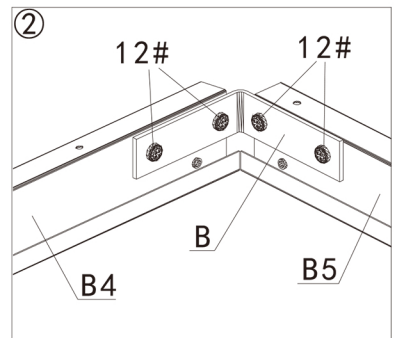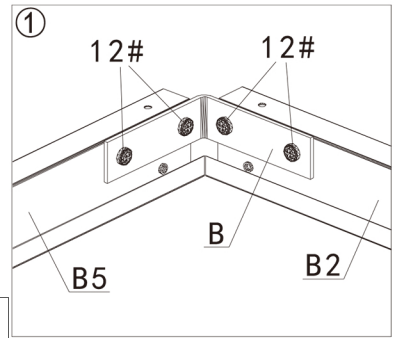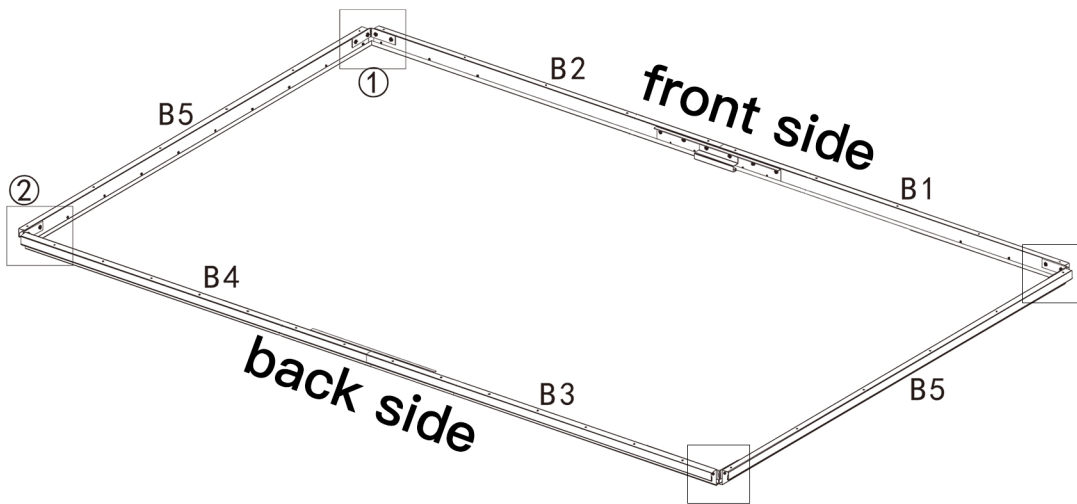
Enclose with part #B1/B2, part #B3/B4, 2 part #B5 according to the figure above, and the part #B connects the four corners, then fixed with screws 12# and gaskets as shown in ① ②.
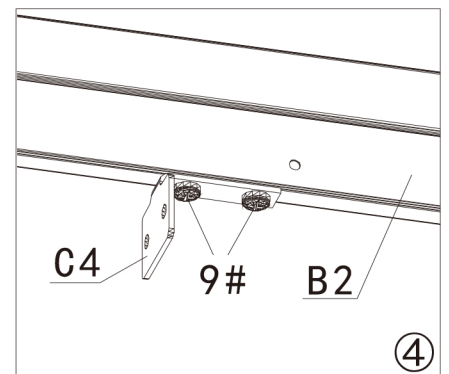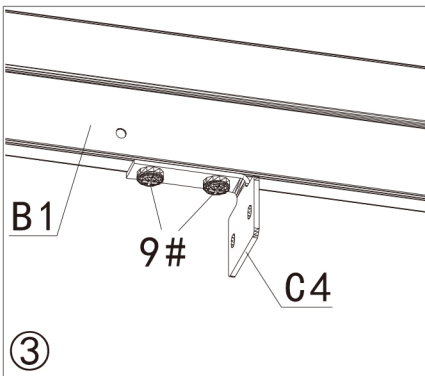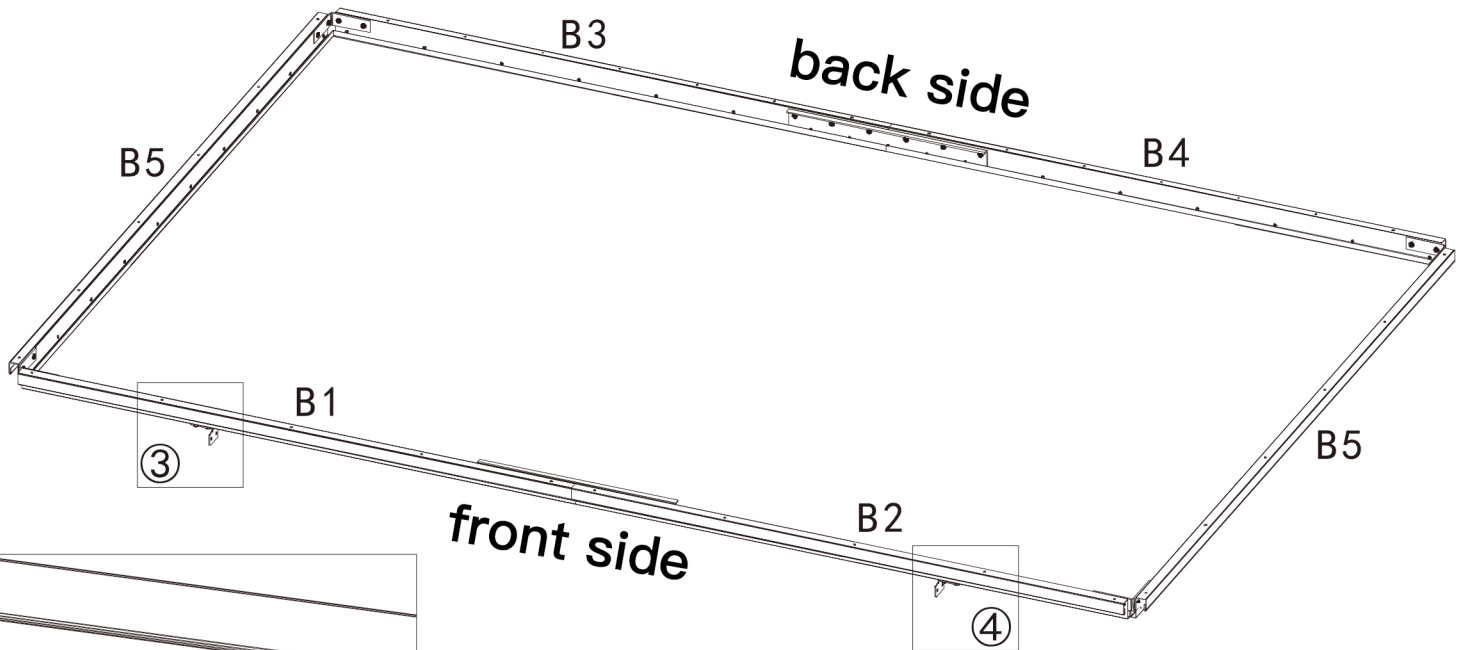
Fix 2 part #C4 on part #B1, part #B2 by screws 9# and gaskets as shown in ③ ④.

⚠️ **You can also install the top frame on each wall separately.**

08

①

B3/B4

1#

J1/J2

②

B1/B2/B5

1#

J/J2

Place the assembled beam (B1/B2, B3/B4, B5) on the upper end of the wall panel, and fix with the screws 1# and gaskets as shown in ①②.

B4

B5

B3

B5

④

③

B2

B1

C2

C1
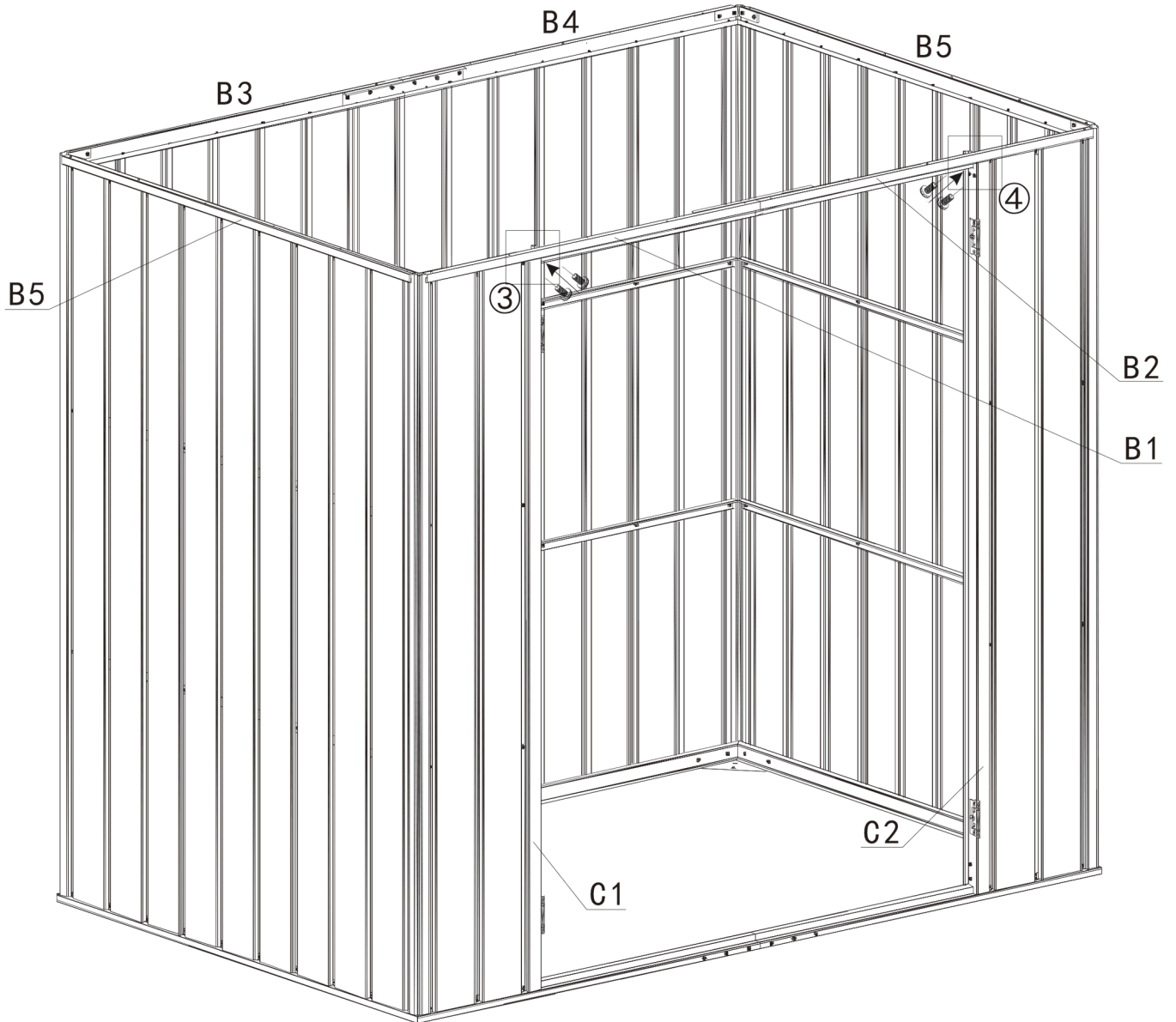
Fix the upper end of the part#C1/C2 with part#B1/B2 and part#C4 by using screws 3#, the nuts and gaskets are on the back side as shown in ③④.

③

B1

3#
3#

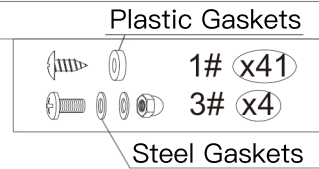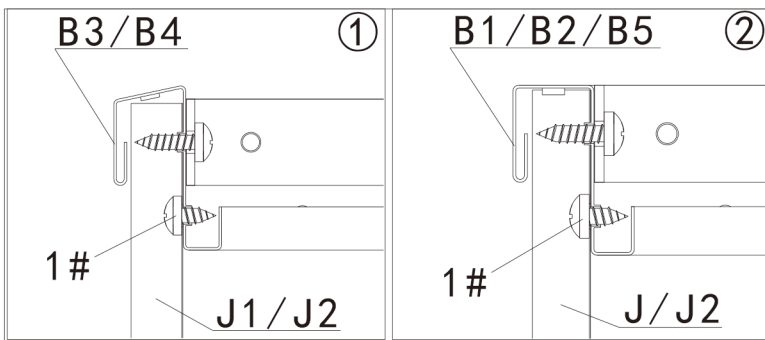C4

C1

Inside View

④

B2

3#
3#

C4

C2

Inside View

D1 (x1) D2 (x1) E4 (x1) E3 (x1)
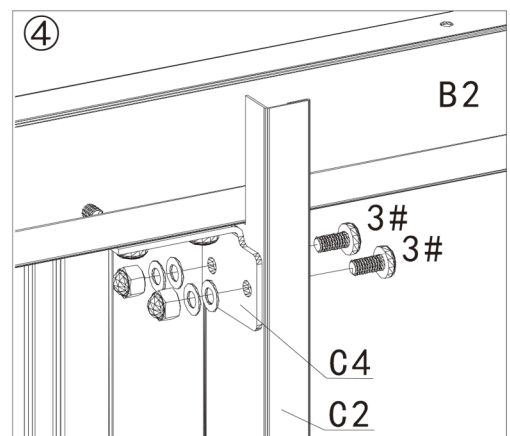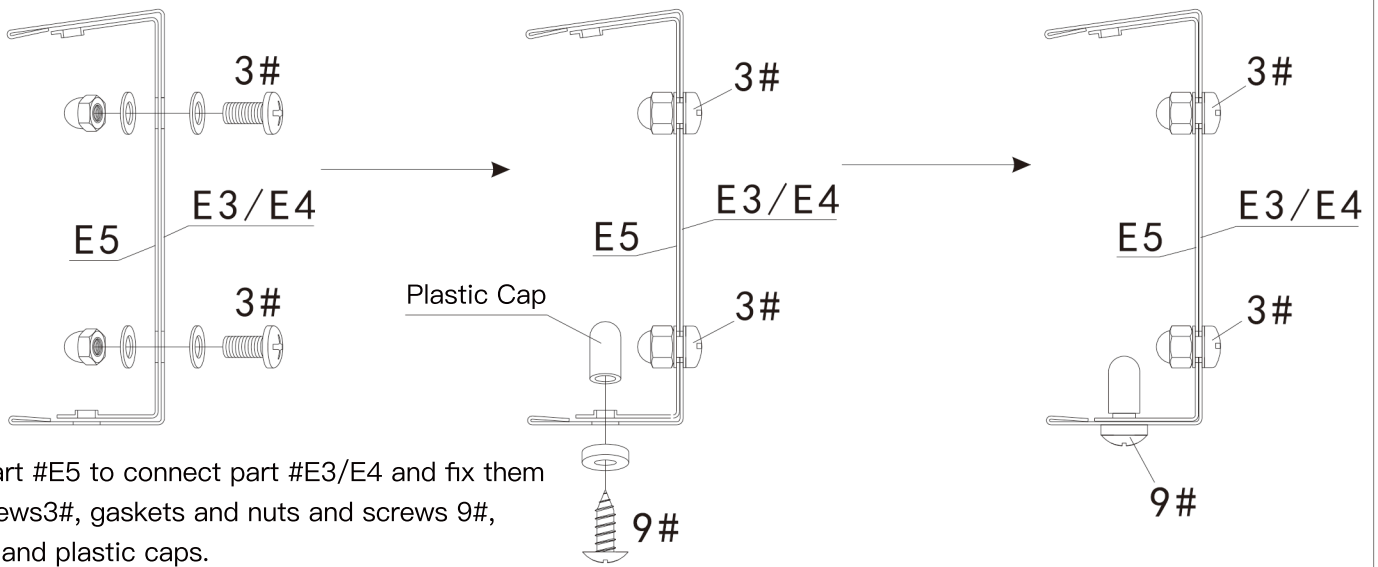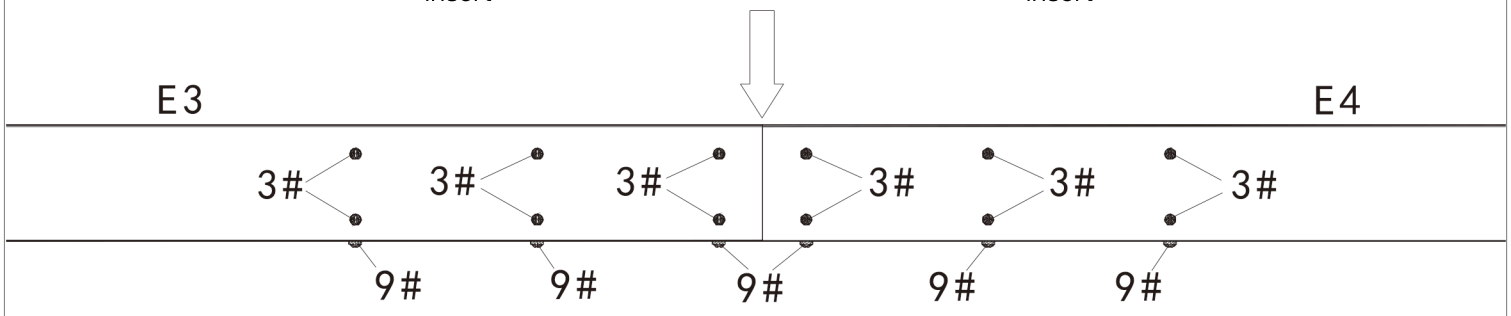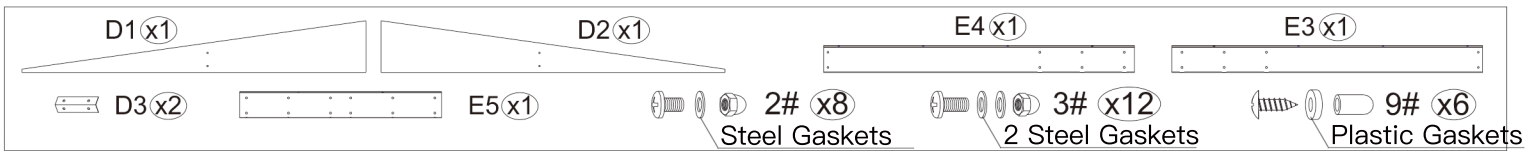
D3 (x2) E5 (x1) 2# (x8) Steel Gaskets 3# (x12) 2 Steel Gaskets 9# (x6) Plastic Gaskets

E3 E5 E4

⟹ Insert ⟸ Insert

E3 E4

3# 3# 3# 3# 3# 3#

9# 9# 9# 9# 9#

3# 3# 3#

E5 E3/E4 E5 E3/E4 E5 E3/E4

3# Plastic Cap 3# 3#

9# 9#
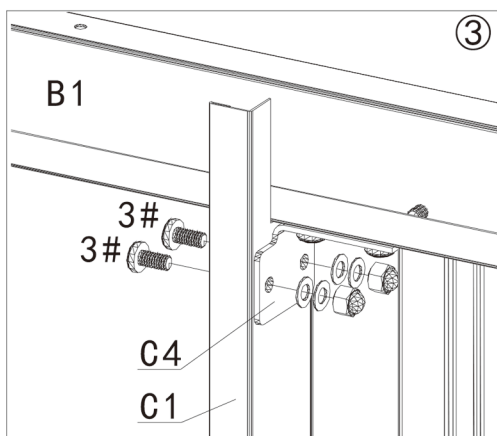
Insert part #E5 to connect part #E3/E4 and fix them
with screws3#, gaskets and nuts and screws 9#,
gaskets and plastic caps.

Use part #D3 to connect part #E3/E4 with D1&D2,
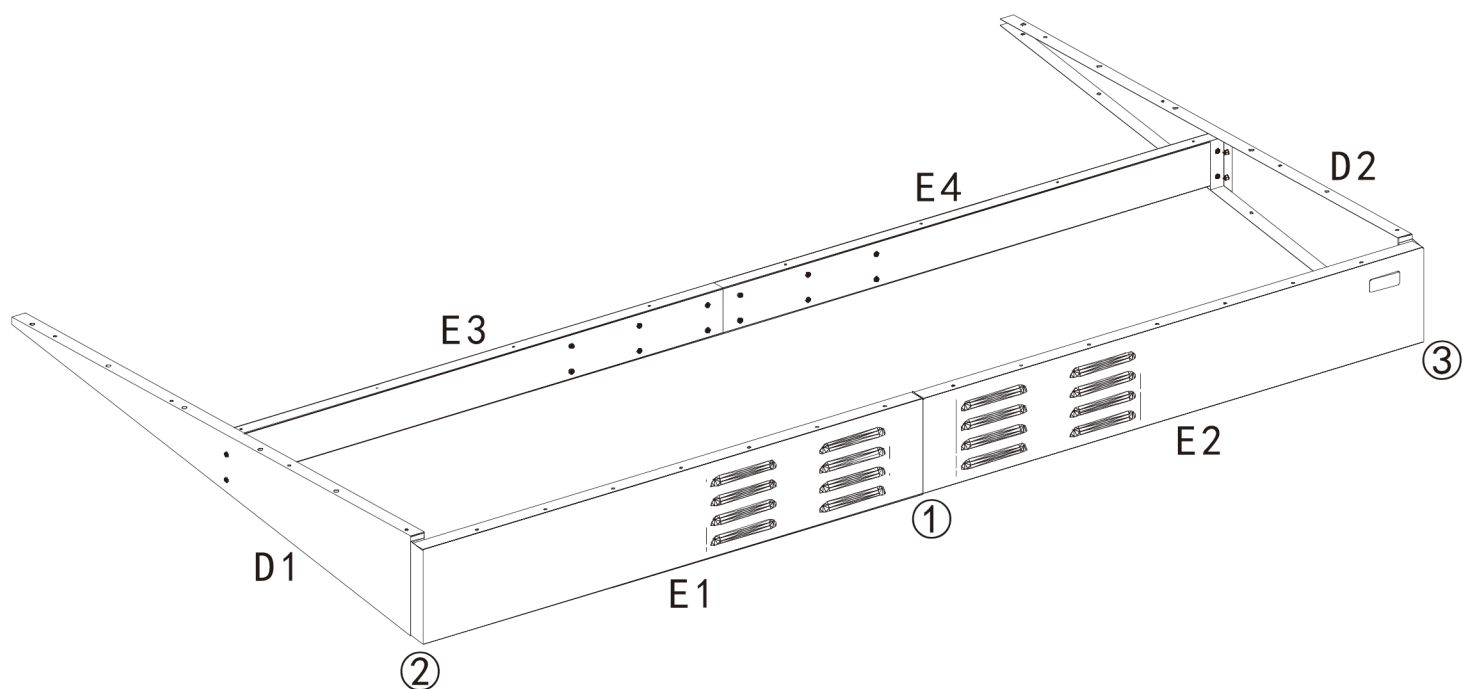and fix with screw 2#, gaskets and nuts as shown in ① ②.

②

E4

D2

E3

①

D1

① Blots ② Blots

2# 2# 2# 2#

Nuts Nuts

E3 E4

D1 D3 D3 D2
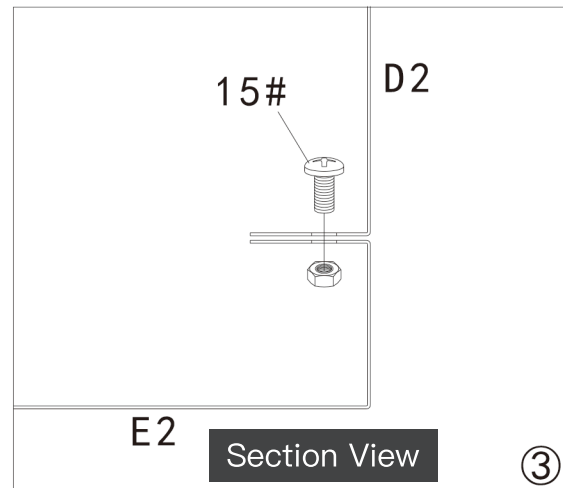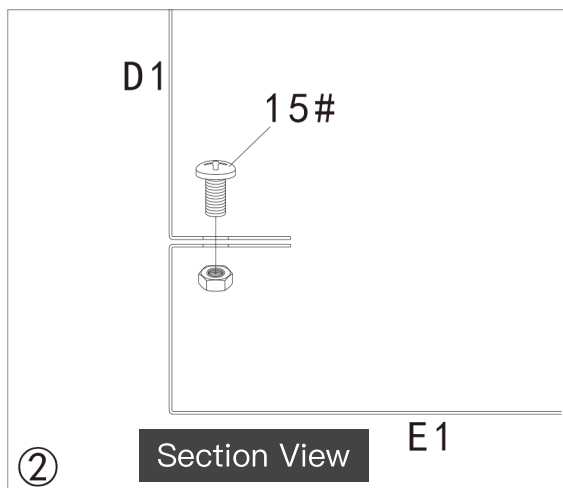
10
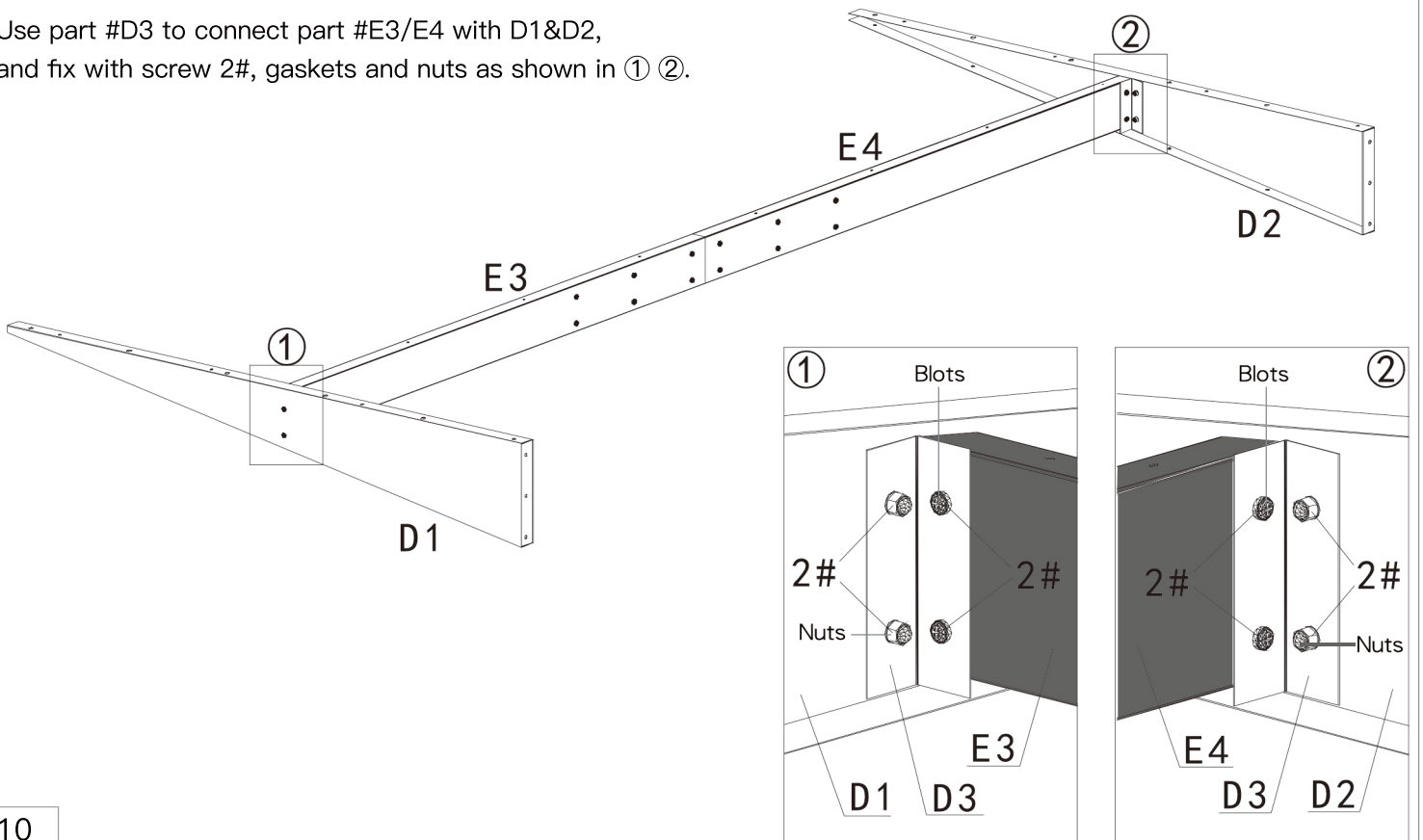
E1 (x1) E2 (x1) 15# (x9)
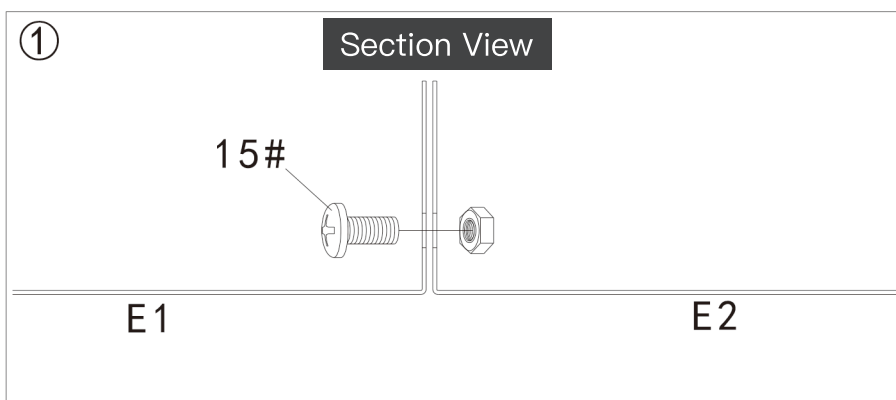

Install Top Frame:

Connect part #E1/E2 first, as shown in ①;

Then combine with part #D1 and part #D2 respectively, as shown in ②③.

① Section View

15#

E1   E2

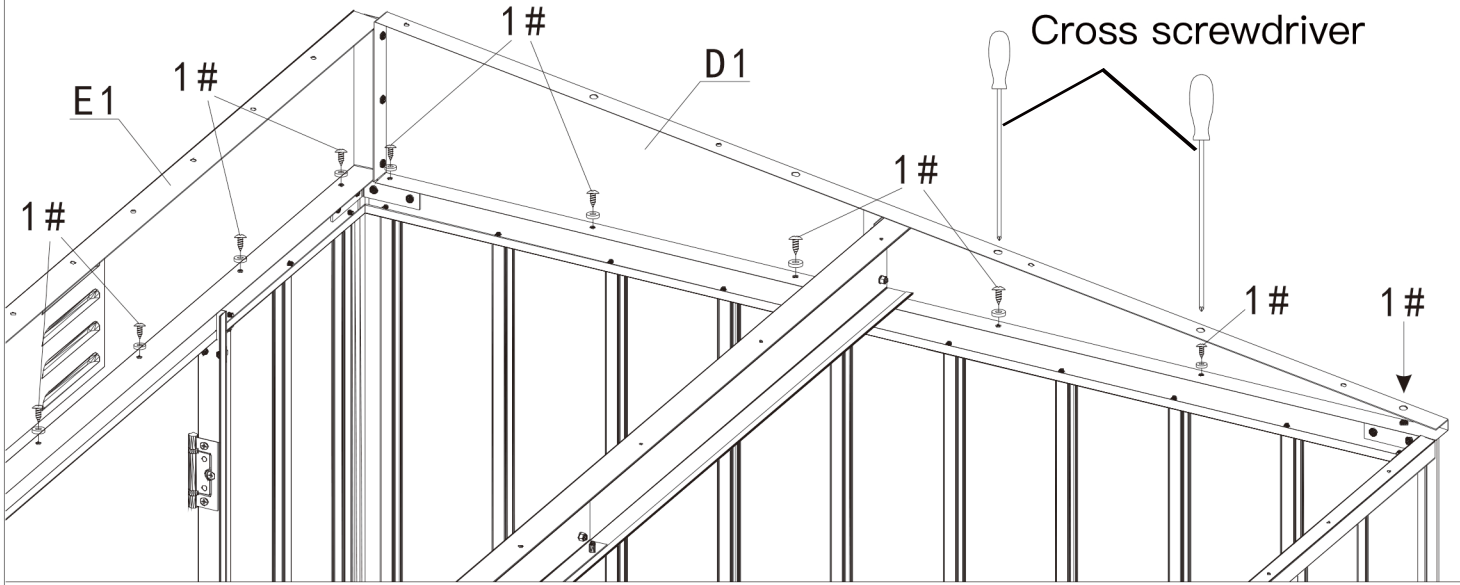② Section View

D1

15#

E1

③ Section View

D2

15#

E2

11

Put the top frame on beam (B1/B2),
using 22 screws1# and gaskets.

1# x22

Plastic Gaskets

Cross screwdriver

E1

1#

1#

D1

1#

1#

1#

1#
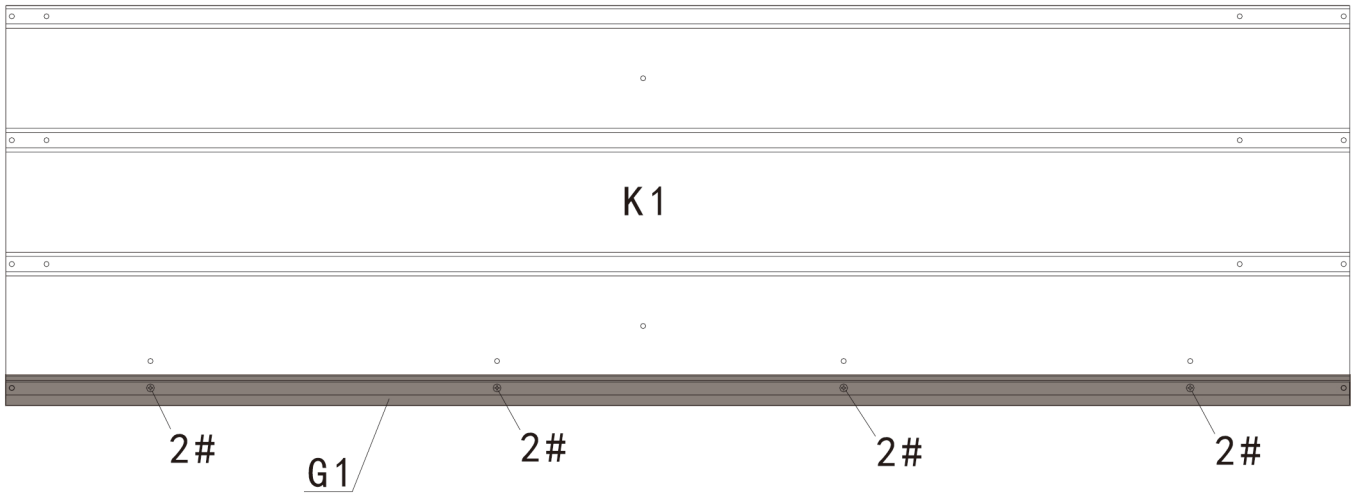
Install Top Frame

D2

E2

D1

E1

12

K1(x1)
G1(x1)

G2(x1)
K4(x1)
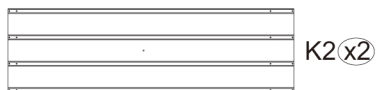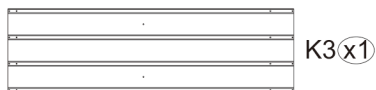
2# (x8)
Steel Gaskets

2#   G2   2#   2#   2#
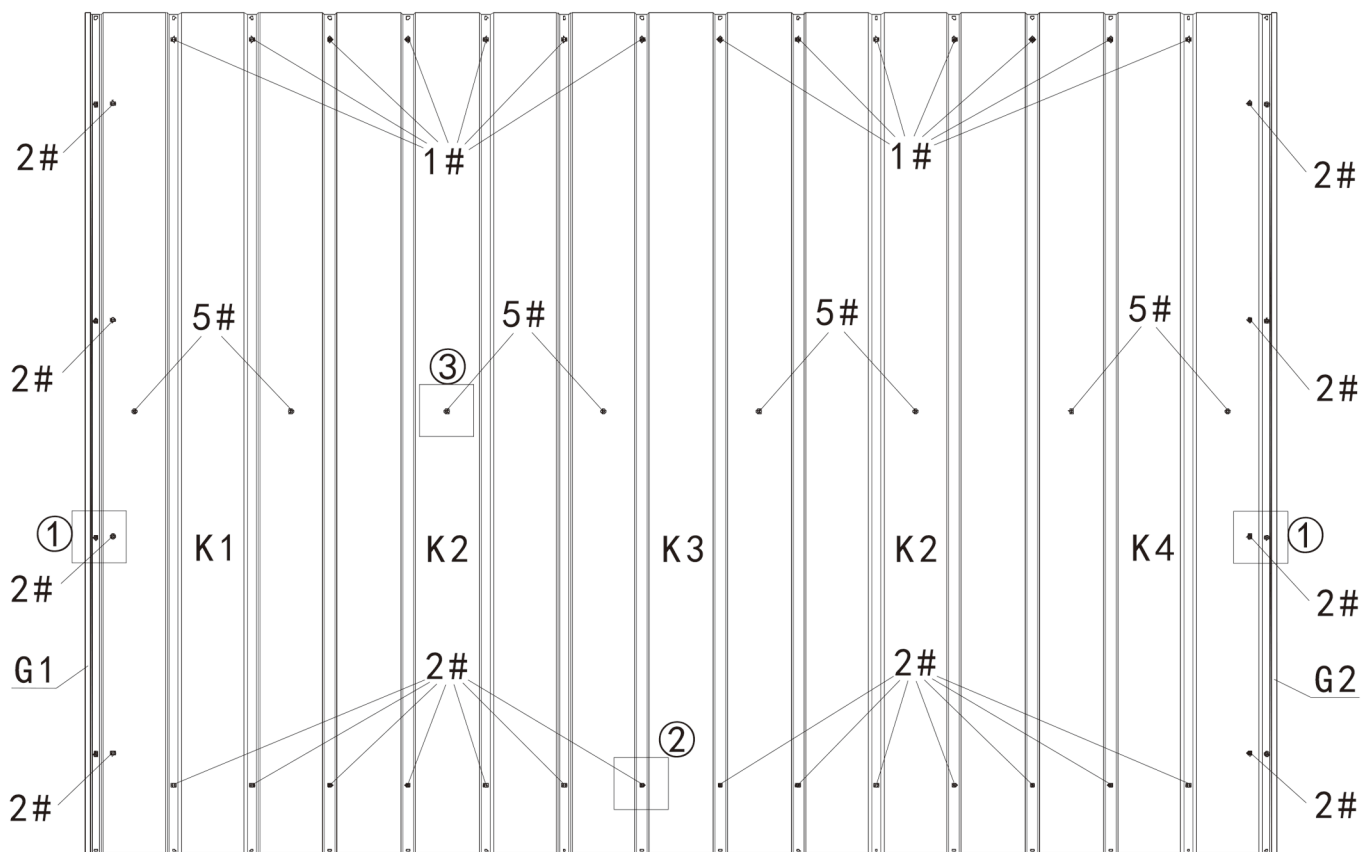
K4
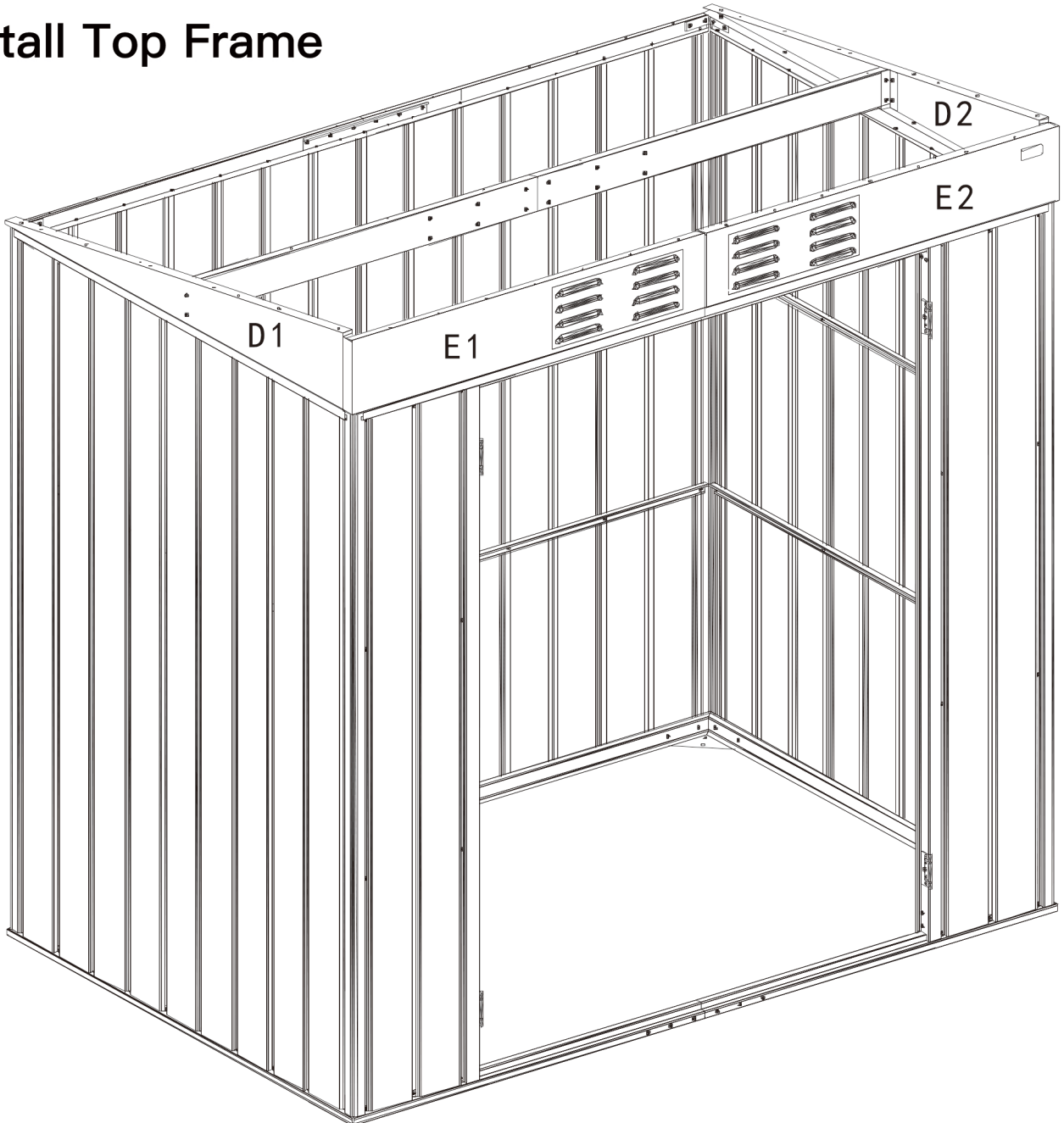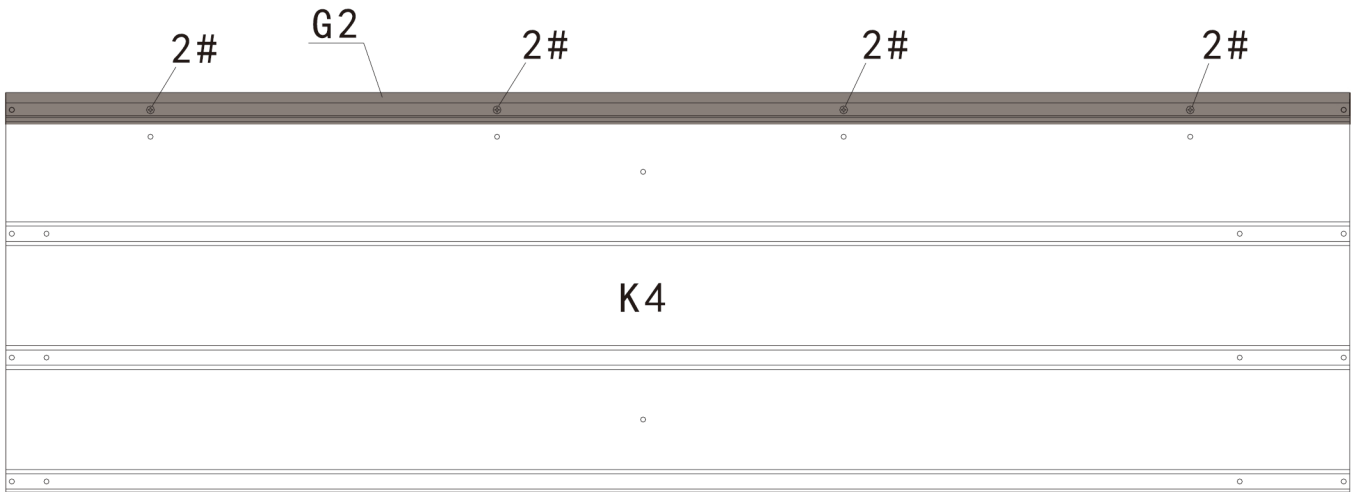
Assemble the TOP ROOF

Assemble the part#G1/G2 to the one side of part#K1/K4 with screws 2#, gaskets and nuts.

K1

2#   G1   2#   2#   2#

2#

K1/K4

G1/G2

Section View

13

Plastic Gaskets

K3 (x1)   K2 (x2)   Z (x8)   1# (x14)

2# (x22)   5# (x8)

Steel Gaskets

2#   1#   1#   2#

2#   5#   5#   5#   5#   2#

③

①   K1   K2   K3   K2   K4   ①

2#   2#

G1   2#   2#   G2

②

2#   2#
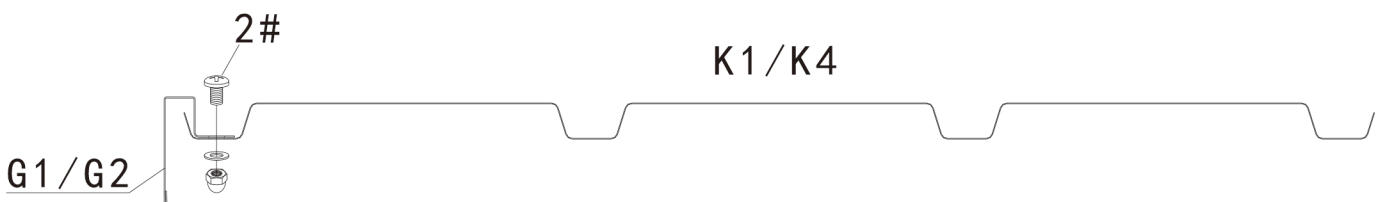
The roof panel part#K1/K2/K3/K4 is laid in order; the roof panel K1/K4 is fixed with G1/G2 & D1/D2 by using screws 2#, gaskets and nuts as shown in ①; the roof panel K1/K2 & K3/K4 are fixed with E1/E2 by using screws 2#, gaskets and nuts as shown in ②. Then fix with screw 1# and gaskets to part #B3/B4.

① 2#   K1/K4

G1
G2   D1/D2

② K1/K2
K3/K4   2#

E1/E2

③ K1/K2
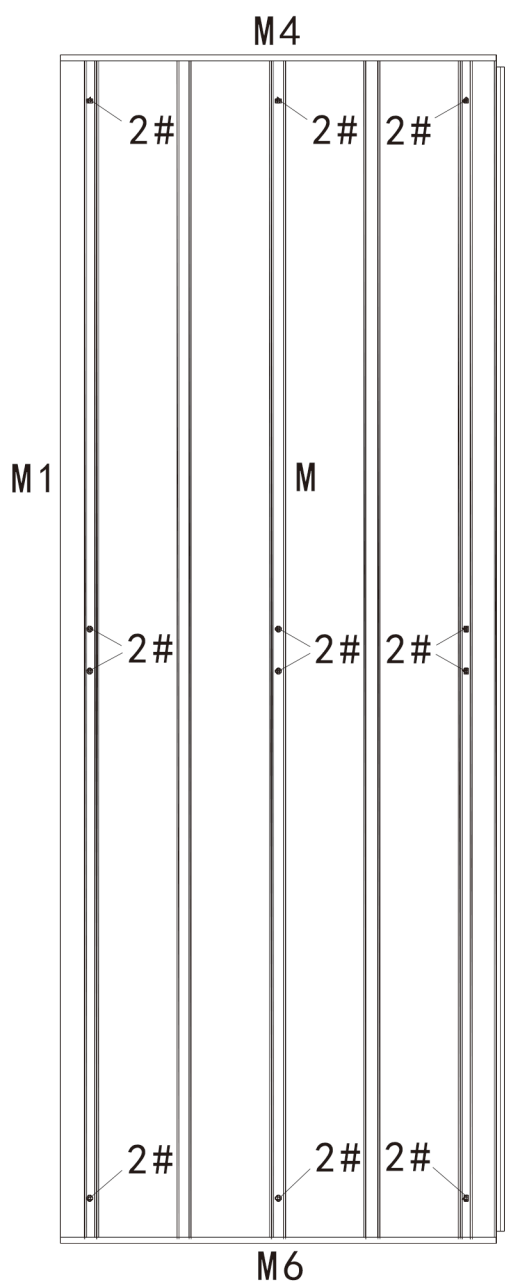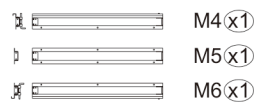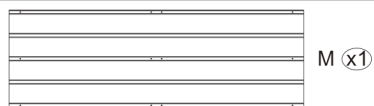K3/K4

5#   Z   5#   Z

Plastic Cap

E3/E4   E3
E4
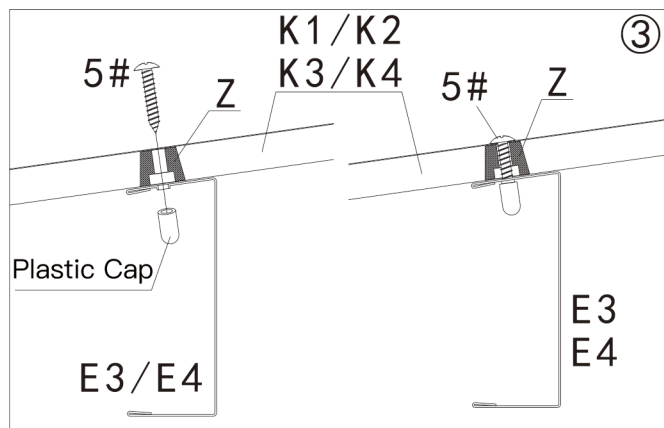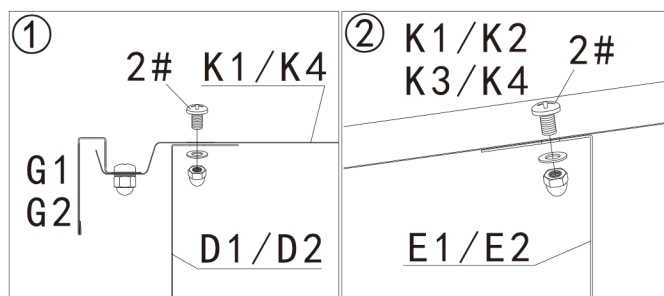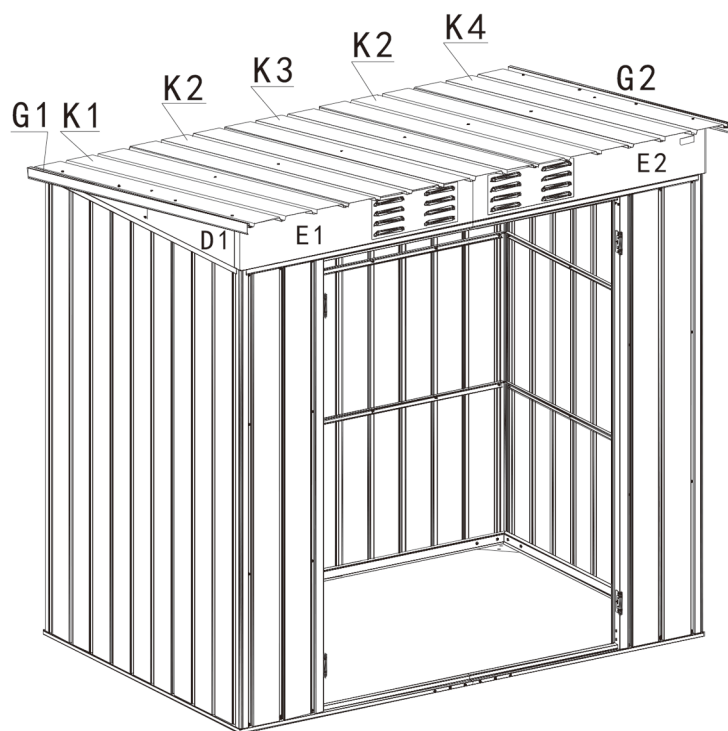
Part #Z shall be inserted at the fixed position of K1/K2 &K3/K4 and E3/E4 to prevent rainwater intrusion as shown in ③.

14

Parts list:
- G4 (x2)
- G3 (x2)
- 2# (x36) — Steel Gaskets
- 3# (x8) — 2 Steel Gaskets
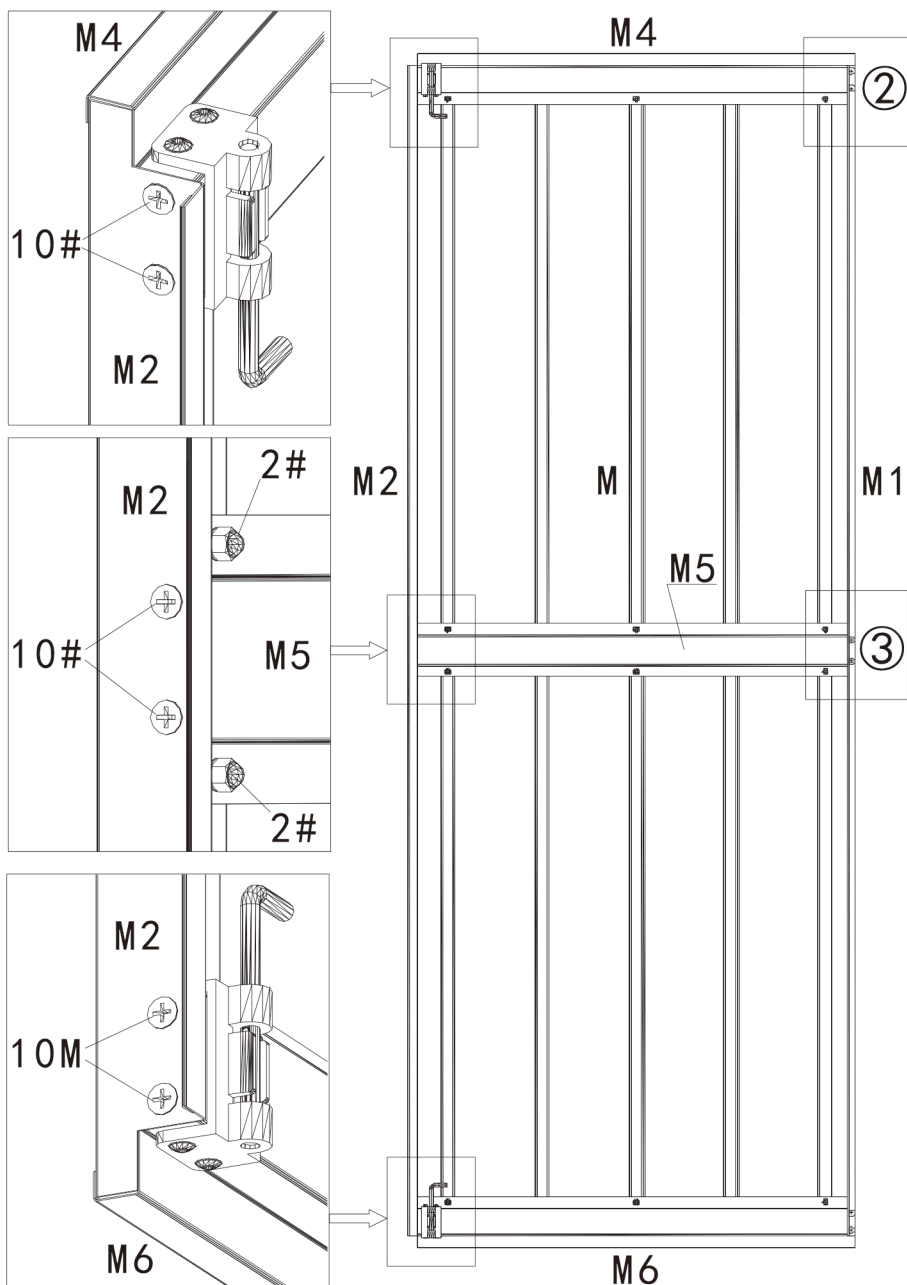- G5 (x2)
- G6 (x2)
- G7 (x2)
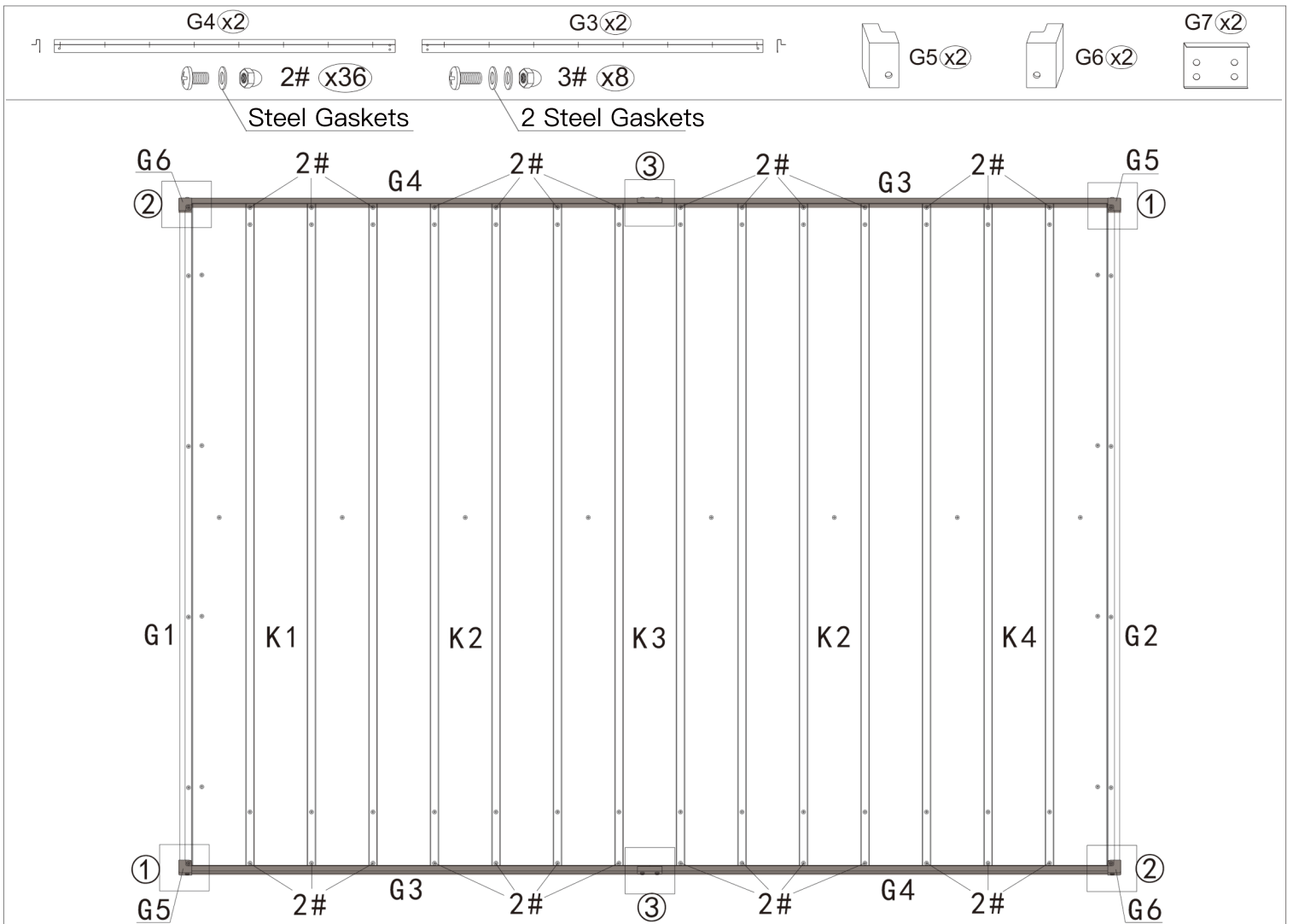
1. Install part #G3/G4 on both ends of the roof first;

Install part #G7 at the joint of part #G3/G4, and fix it with 2# screws, as shown in ③.

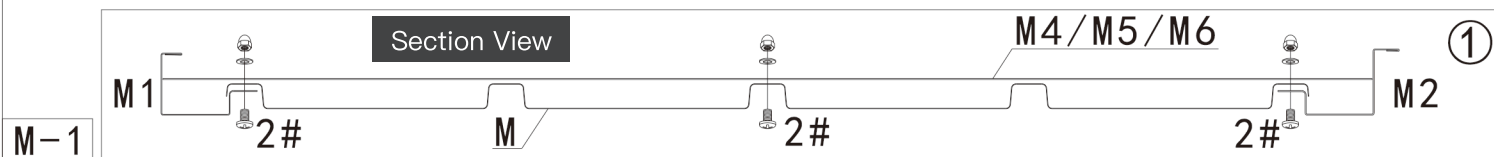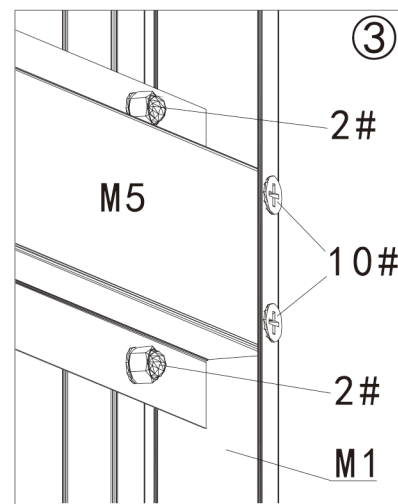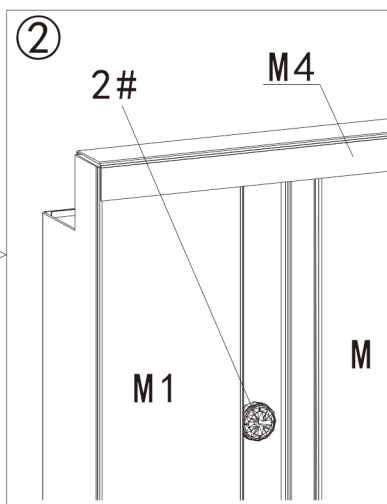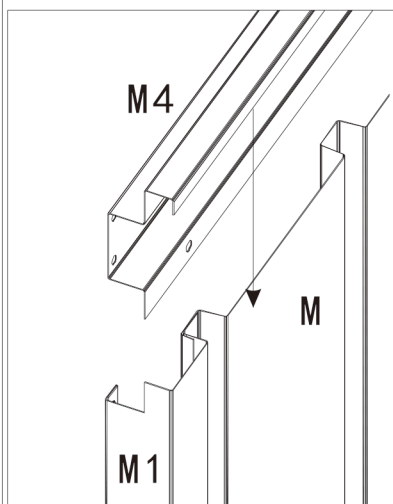③ Part #G7 is used to cover the gap between part #G3 and part #G4
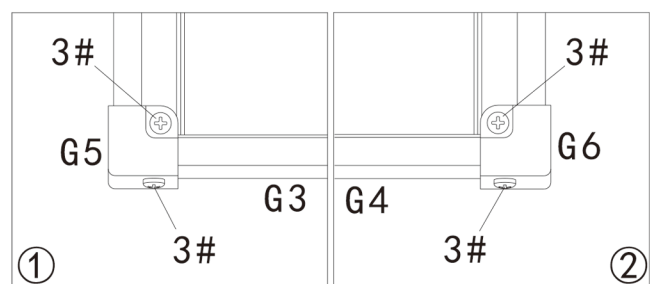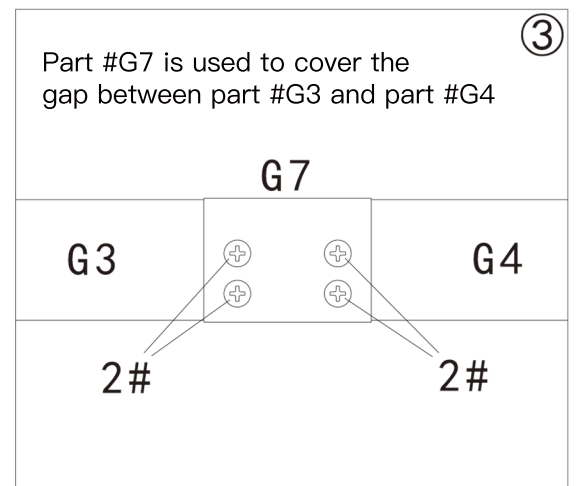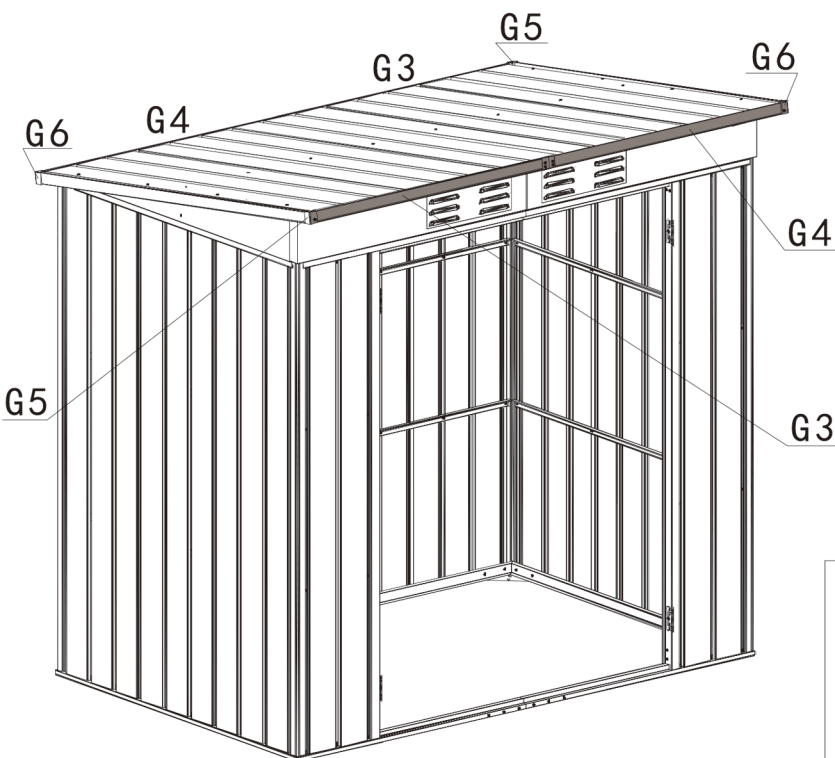
2. Part #G5/G6 is inlaid at the four corners and fixed with screws 3#, gaskets and nuts as shown in ①②.

15

Steel Gaskets

M (x1) M1 (x1) M2 (x1) M4 (x1) M5 (x1) M6 (x1) 2# (x12) 10# (x12)

M4

2# 2# 2#

M1 M M2

2# 2# 2#

2# 2# 2#

M6

The front side of the left door

M4

10#

M2

M2 2#

10# M5

2#

M2

10M

M6

M4

②

M2 M M1

M5

③

M2 M6

The back side of the left door

M4

M

M1

M1

②

2# M4

M1 M

③

2#

M5

10#

2#

M1

Section View

M4/M5/M6 ①

M1 M 2# M 2# M2 2#

M-1
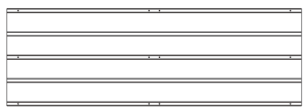
Steel Gaskets

M (x1)　　　M1 (x1)　　M3 (x1)　　M7 (x2)　　M8 (x1)

M9 (x1)　　M10 (x1)　　2# (x12)　　10# (x12)

③

10#
M7
2#

④

2#
10#
M8
2#

⑤

2#
10#
7#

M7

③　　　　③

④　　　　④

M
M8
M1
M3

⑤　　　　⑤

M7
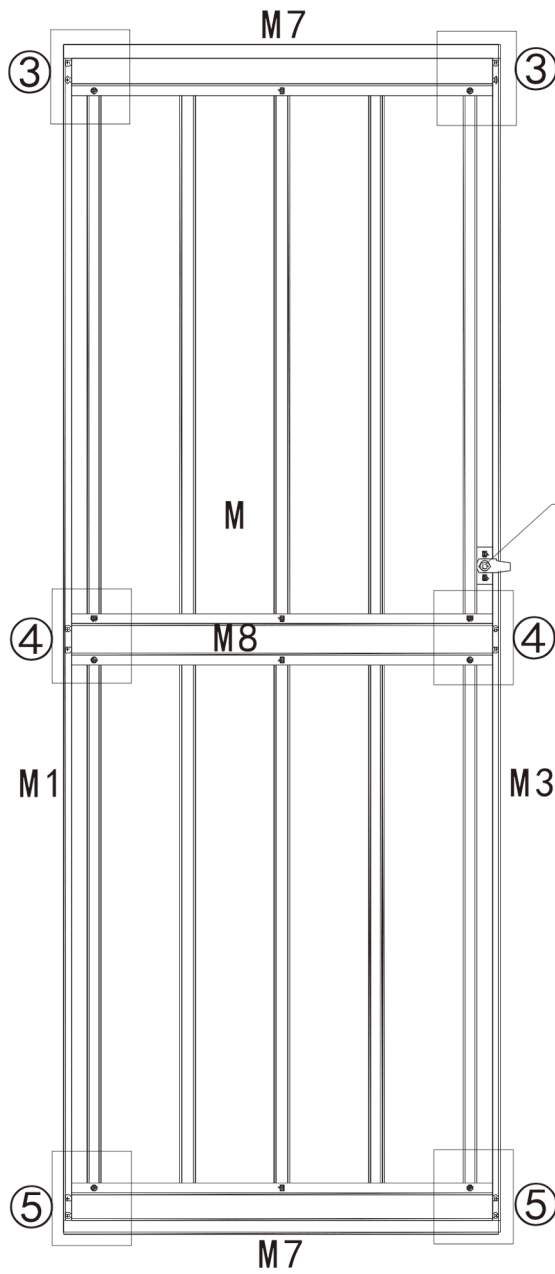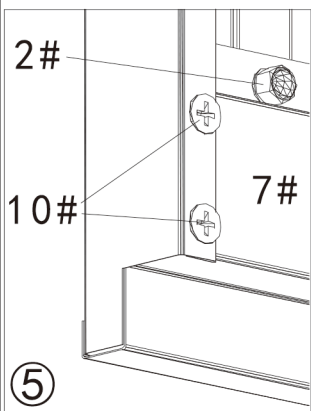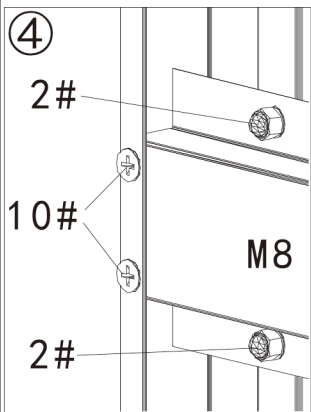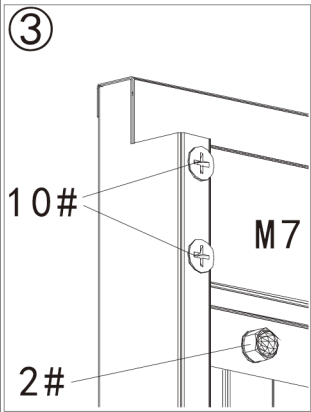
The back side of the right door

M7
2#　　2#　　2#

M9
2#　　2#　　2#

M
M3　　　　　M1

2#　　2#　　2#

M7
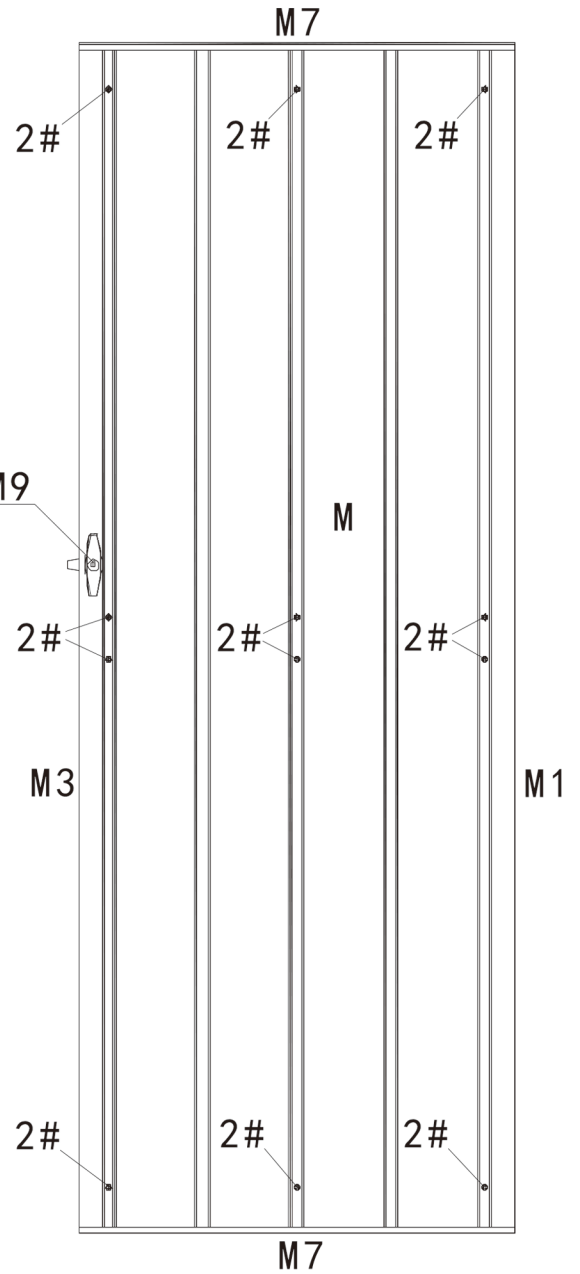
The front side of the right door

②

M7
M

M1
M3

M10

⑥

M9

①

Section View
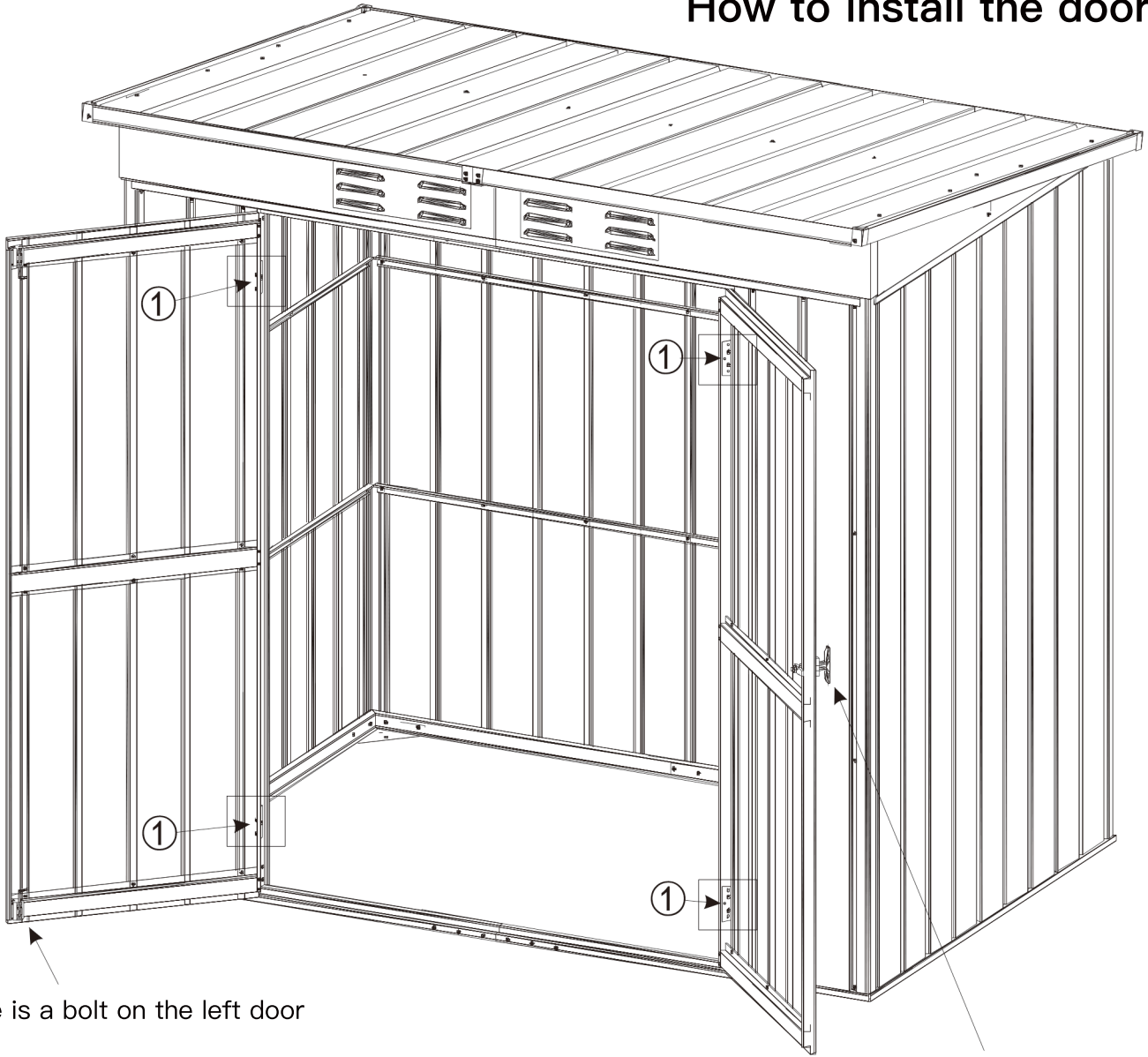
M3

2#　　M　　2#

M7/M8

2#

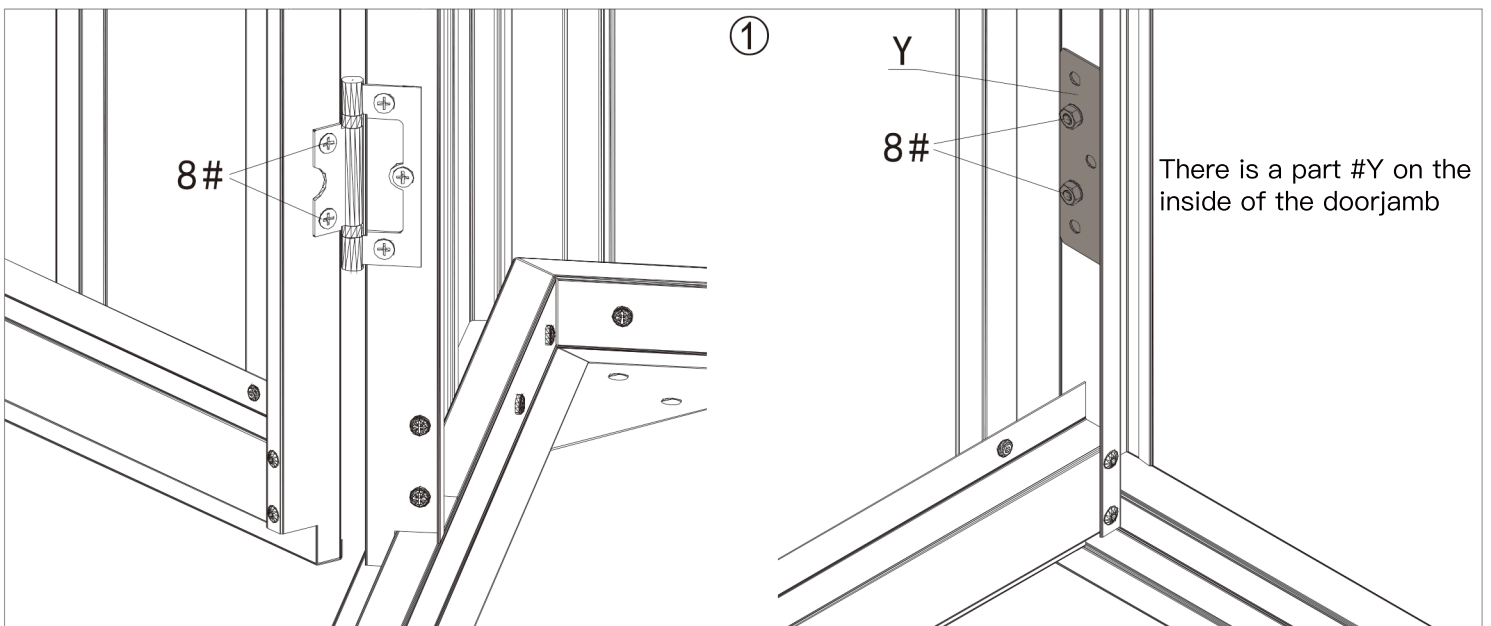M1

M-2
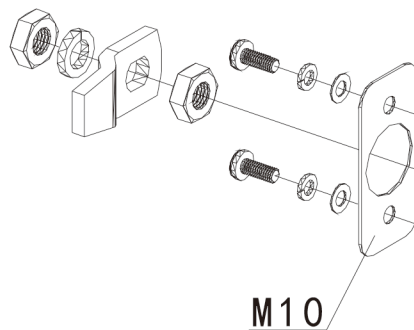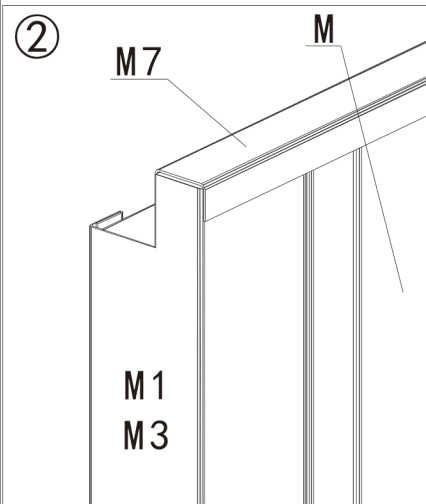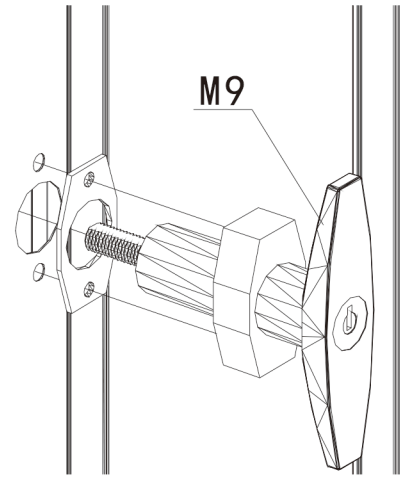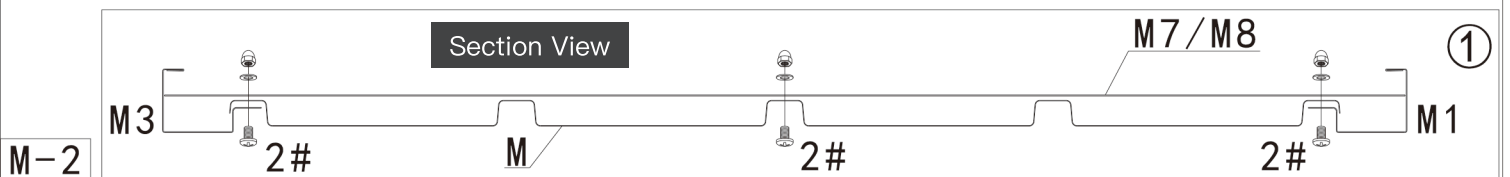
Y (x4)　　8# (x8)
Steel Gaskets

How to install the door
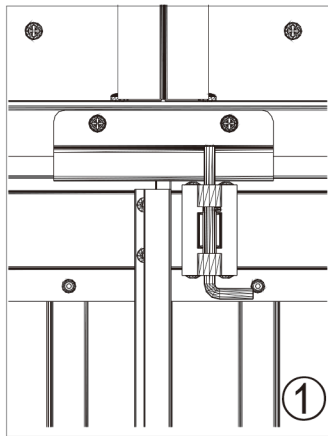
① ① ① ① ①

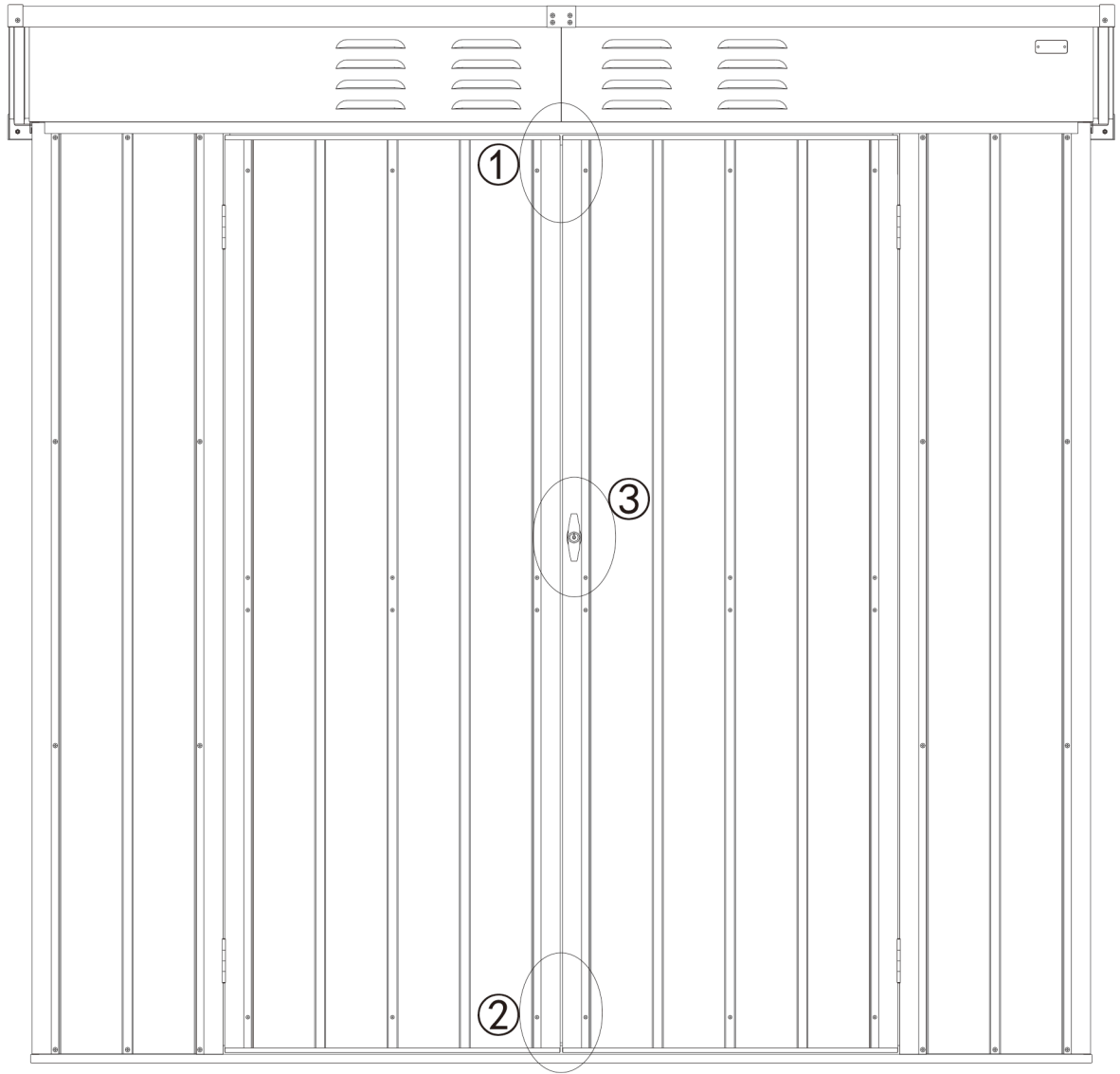There is a bolt on the left door

There is a handle on the right door

Fix the hinge (part#Y) to the left/right door by screws 8#, gasket and nut as shown in ①.

①

Y
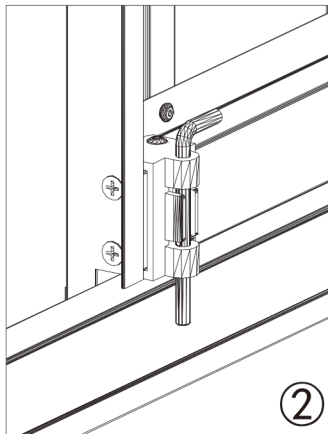
8#

8#

There is a part #Y on the inside of the doorjamb

Insert the bolt and lock the door

Open the door: insert the key, rotate 180°counterclockwise, and rotate the handle counterclockwise to open the door.

Lock the door: close the door, insert the key, rotate the handle clockwise, then rotate the key 180° clockwise and pull the key out.

Insert the bolt and locks the door

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