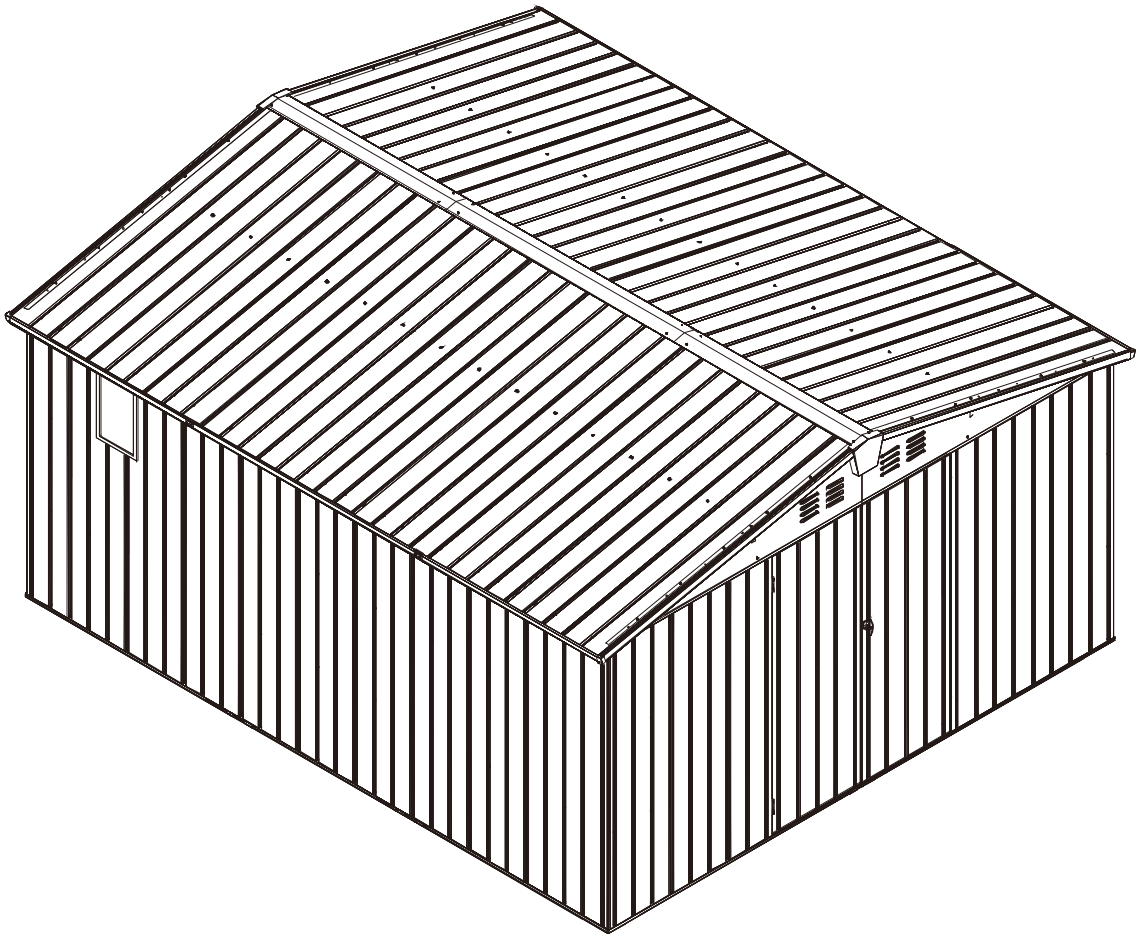# 11'×12.5' Tool Storage Shed

# ASSEMBLY INSTRUCTIONS



## MODEL#: LGCF1621A

Missing part? Damaged? Contact us via email at

service@domioutdoorliving.com

www.domioutdoorliving.com

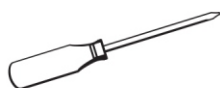# Pre-assembly

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.
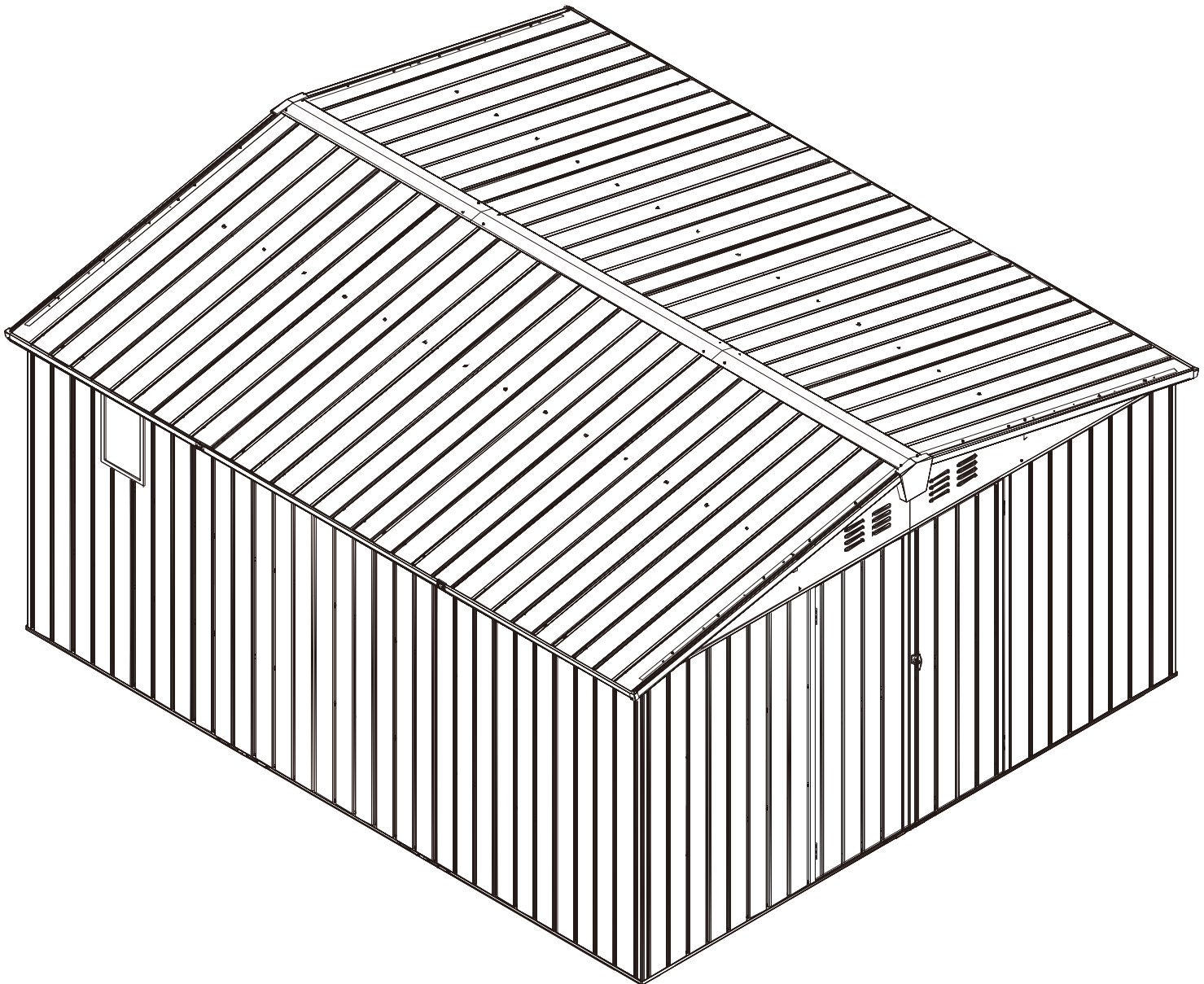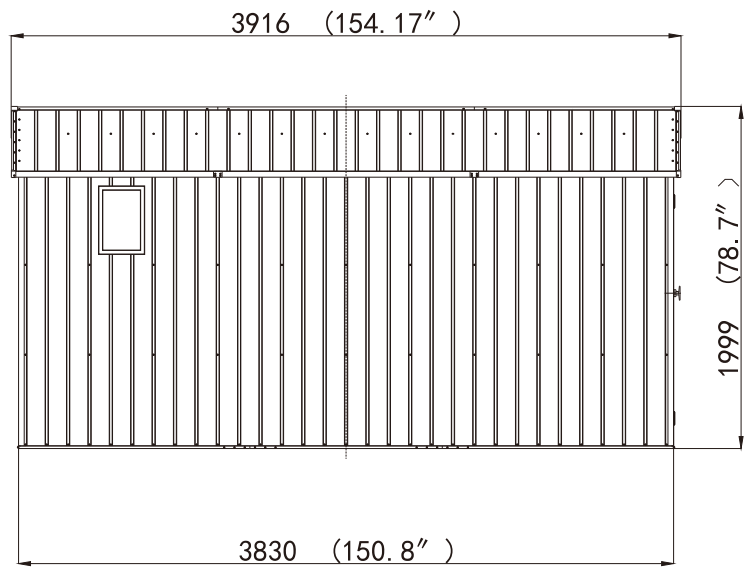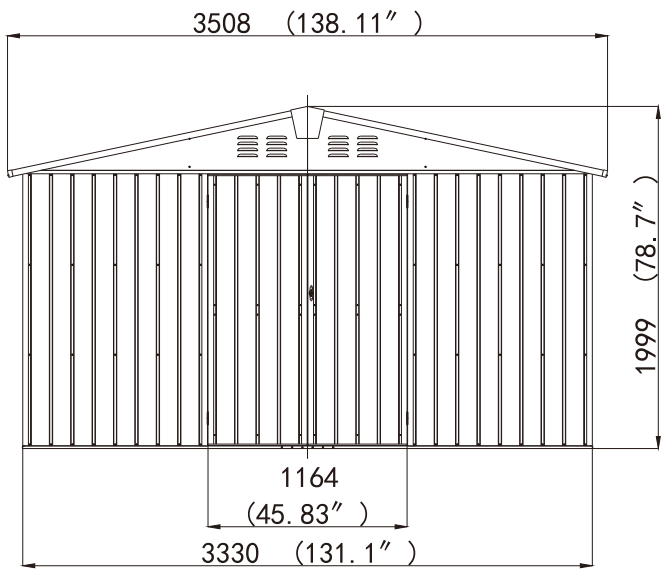
# Warning & Attention

-Try to assemble this product on the flat ground, otherwise it is difficult to carry out;
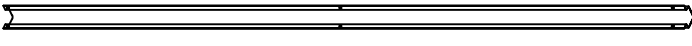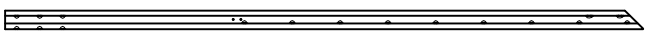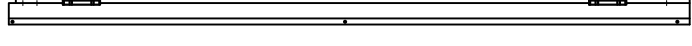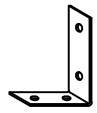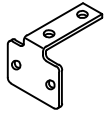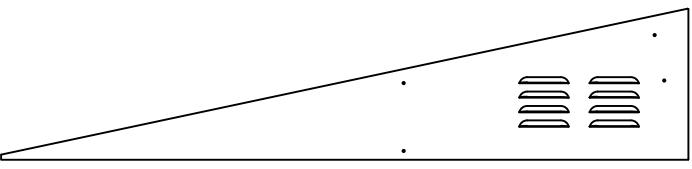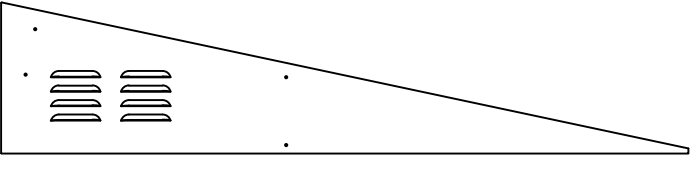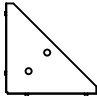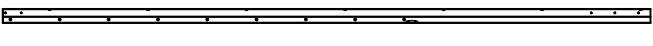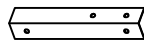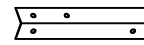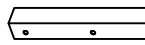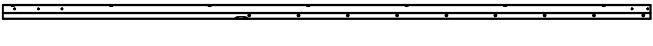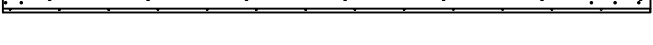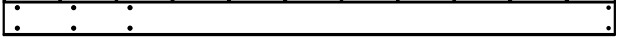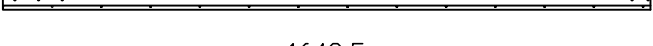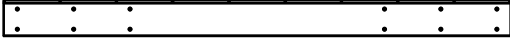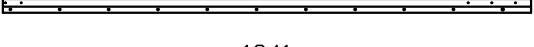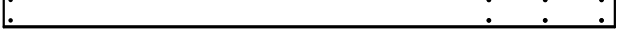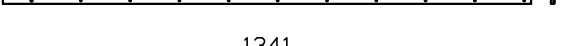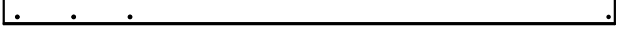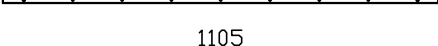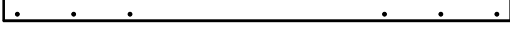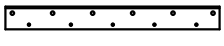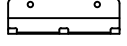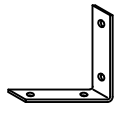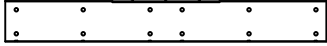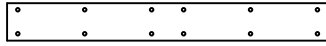
-It would be much easier to assemble the product with three or more people;

-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.

🏠 Please stand inside the shed frame when installing the panels for convenience.

3508 (138.11″)

1999 (78.7″)

1164
(45.83″)

3330 (131.1″)

3916 (154.17″)

1999 (78.7″)

3830 (150.8″)

| | | | |
|---|---|---|---|
| 1666 | A1(x1) | 1608,5 | C(x4) |
| 1666 | A2(x1) | 1609 | C1(x1) |
| 1666 | A3(x1) | 1609 | C2(x1) |
| 1666 | A4(x1) | C3(x2) | C4(x2) |
| 1354 | A5(x2) | | |
| 1354 | A6(x2) | 1665 | D1(x2) |
| 1125 | A8(x2) | | |
| A7(x6) | A(x4) | 1665 | D2(x2) |
| 1643,5 | B1(x1) | D3(x2) D4(x2) | D(x4) |
| 1643,5 | B2(x1) | 1357 | E1(x2) |
| 1643,5 | B3(x1) | 1357 | E2(x2) |
| 1643,5 | B4(x1) | 1125 | E7(x2) |
| 1341 | B5(x2) | 1357 | E3(x2) |
| 1341 | B6(x2) | 1357 | E4(x2) |
| 1105 | B9(x2) | 1125 | E8(x2) |
| B7(x6) B8(x1) B(x4) | | 600 E5(x8) | 600 E6(x2) |

List-1

| Part | Dimension | Qty |
|------|-----------|-----|
| F | 1187,5 | x2 |
| F3 | 1500 | x1 |
| F1 | | x2 |
| F2 | | x2 |
| G1 | 1772 | x2 |
| G2 | 1772 | x2 |
| G3 | 1204 | x2 |
| G4 | 1204 | x2 |
| G8 | 1500 | x2 |
| G5 | | x2 |
| G6 | | x2 |
| G7 | | x4 |
| H1 | 1051 | x1 |
| H2 | 1051 | x1 |
| H3 | 1637 | x1 |
| H4 | 1637 | x1 |
| H5 | 1324,5 | x2 |
| H6 | 1324,5 | x2 |
| H8 | 1125 | x2 |
| H7 | | x5 |
| Y | | x4 |
| Z | | x96 |
| J | 1608 | x24 |
| J1 | 1608 | x6 |
| J2 | 1608 | x2 |
| K2 | 1777 | x2 |
| K4 | 1777 | x2 |
| K6 | 1777 | x2 |
| K8 | 1777 | x2 |
| K7 | 1777 | x4 |
| K5 | 1777 | x2 |
| K3 | 1777 | x2 |
| K1 | 1777 | x2 |

List-2

1582

M (x2)

1582

M1 (x2)

1582

M2 (x1)
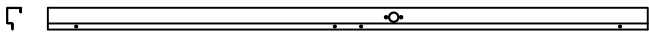
1582

M3 (x1)
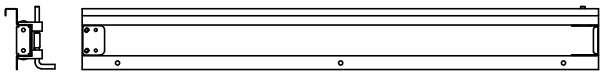
579

M4 (x1)
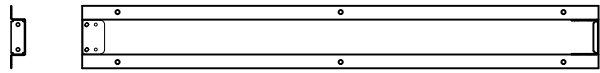
579

M5 (x1)
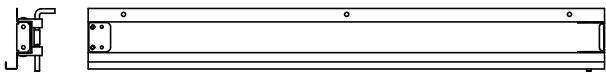
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M6 (x1)
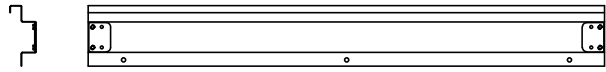
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M7 (x2)
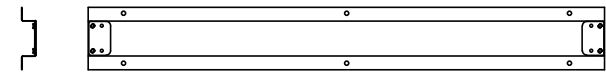
579

M8 (x1)
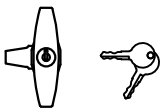
M9 (x1)
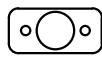
M10 (x1)
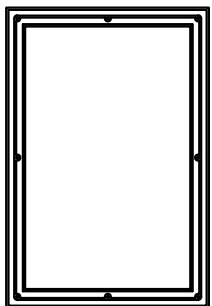
N (x2)
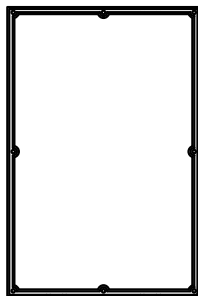
N1 (x2)
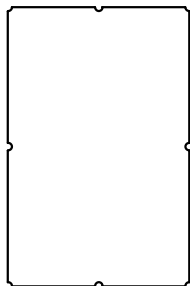
N2 (x2)
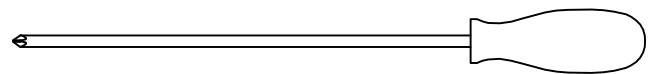
Cross Screwdriver
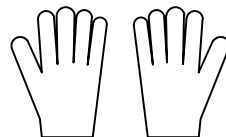
Gloves
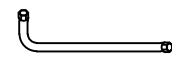
Hexagonal
Socket Wrench

Hole Position
Correction Drill

List-3

Hole position correction drill

✕
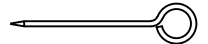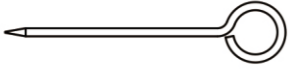
Correct the screw holes by hole position correction drill

✓
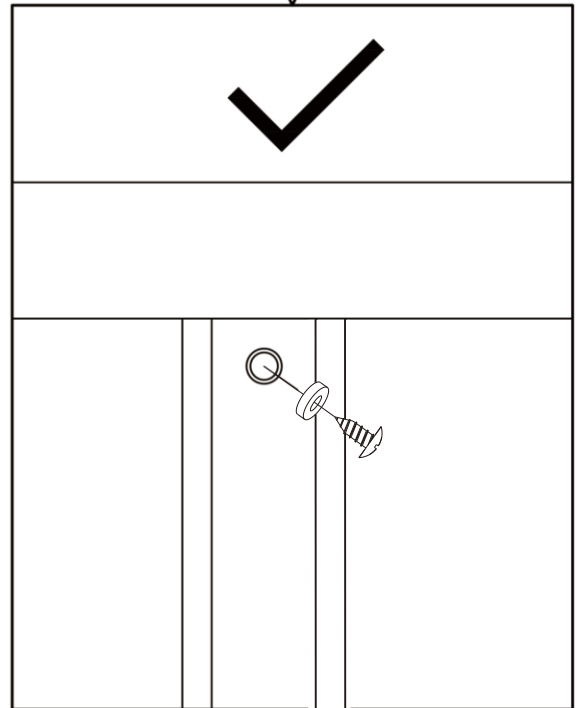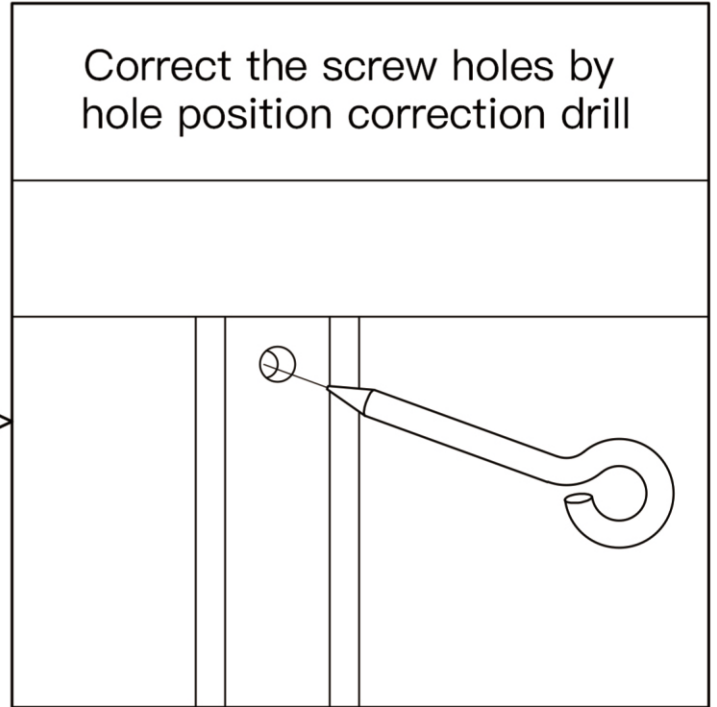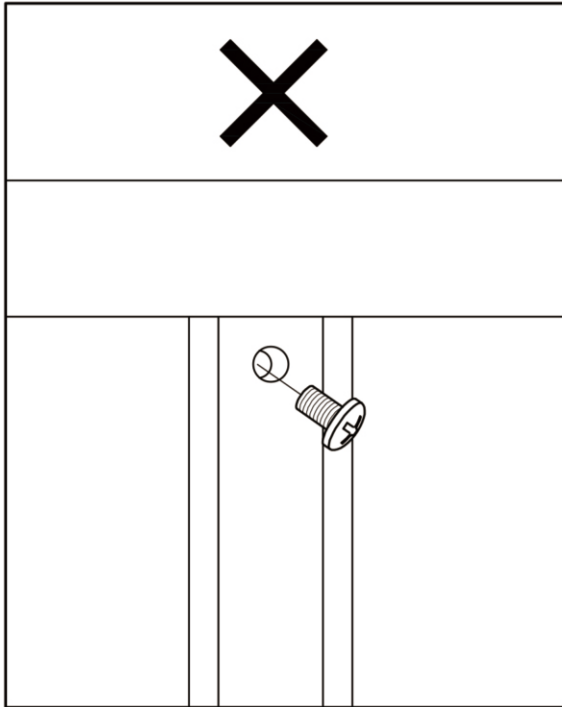
If the screw holes are

not symmetrical,

you can use this tool

to correct the hole position.

# Part 1

| | | | |
|---|---|---|---|
| 🔩 ⭕ | 4x10 | 1# | x302 |
| 🔩 ⭕⭕ ◖ | M4x8 | 3# | x18 |
| 🔩 ⭕ ▢ | 4x12 | 9# | x51 |
| 🔩 ⭕ | 4x16 | 12# | x52 |
| 🔩 | ST3.5x16 | 13# | x16 |

## Bottom frame,wall panel and top frame assembly

A3 (x1)  A4 (x1)  A5 (x2)  A6 (x2)

Plastic Gaskets

A1 (x1)  A2 (x1)  A8 (x2)

A7 (x6)  1# (x72)

A3  A4

①

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

A7

A5  A6

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

A8  A8

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

①
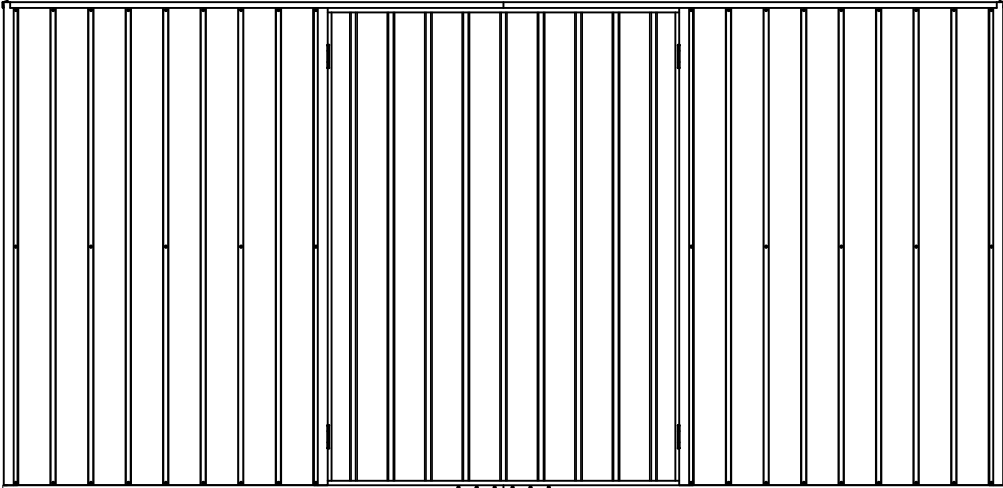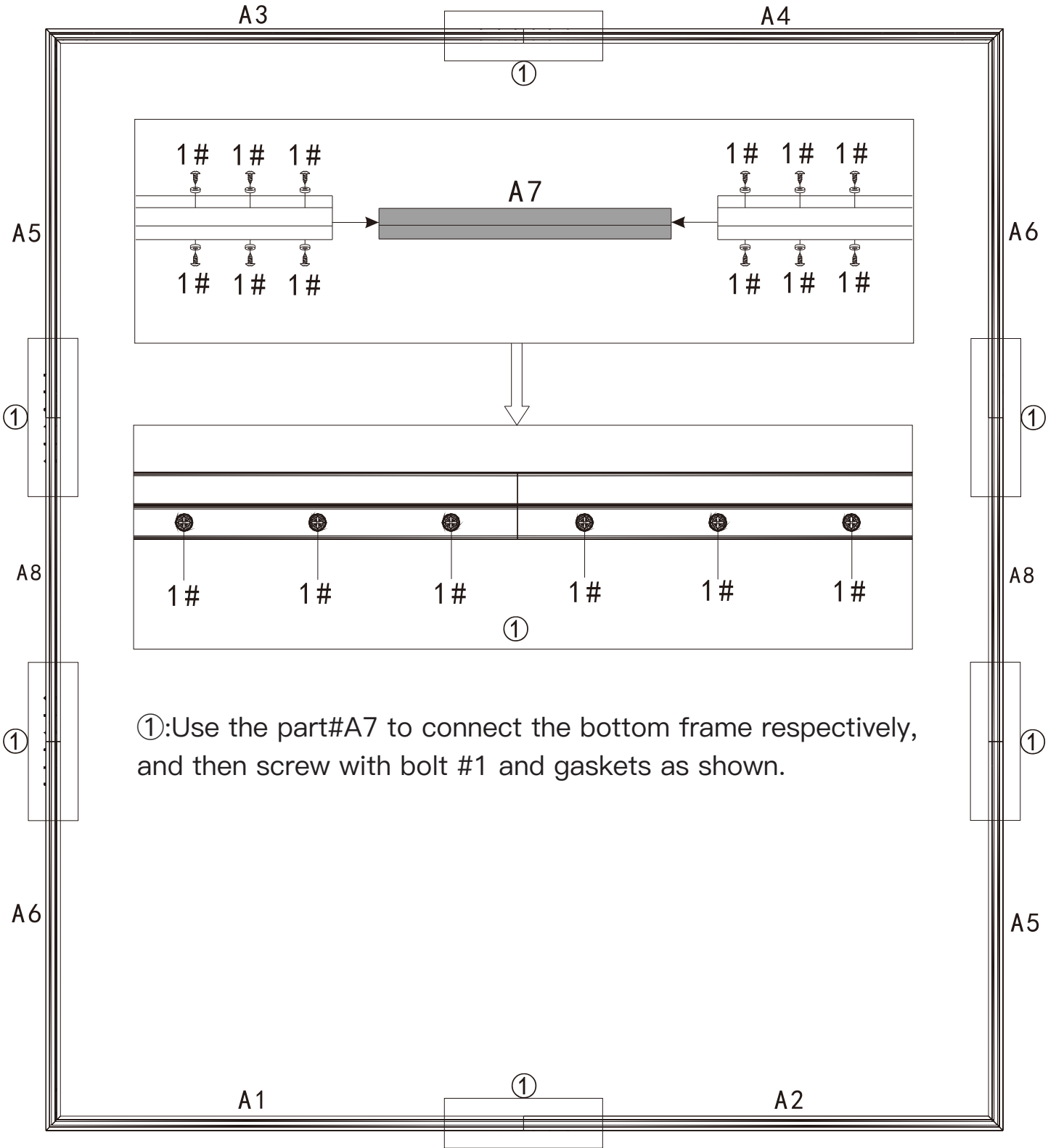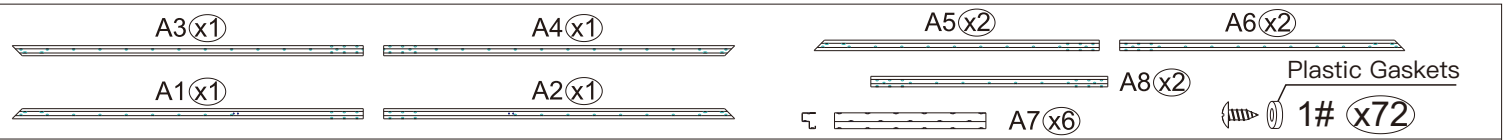
①:Use the part#A7 to connect the bottom frame respectively, and then screw with bolt #1 and gaskets as shown.

A6  A5

A1  ①  A2

A(x4)  C3(x2)  9# (x4) Plastic Gaskets  1# (x16) Plastic Gaskets

①:Insert part #A to the corners.
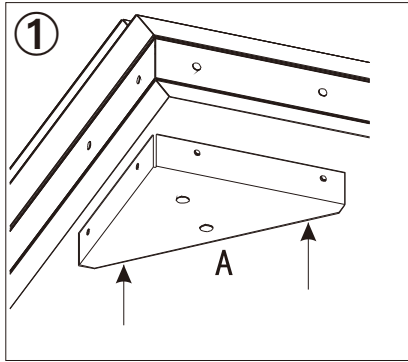
② :Fix with 4 bolts #1 & gaskets.

① A

② 1#
1#
A
1#
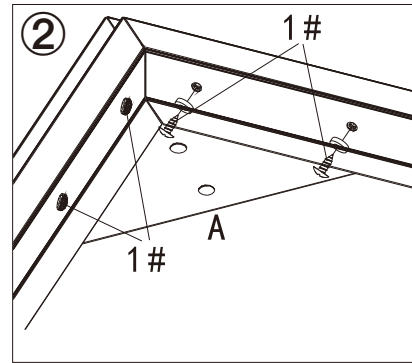
③
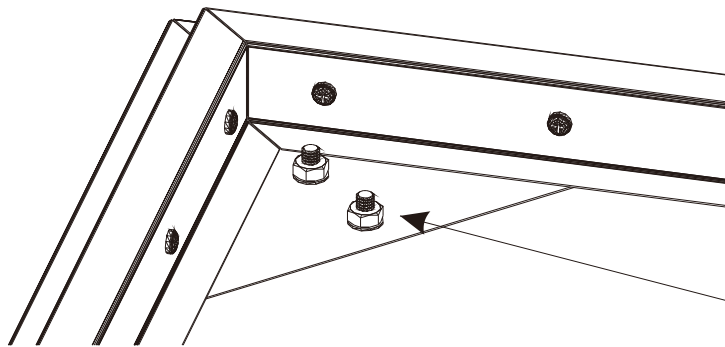
M6-8pcs
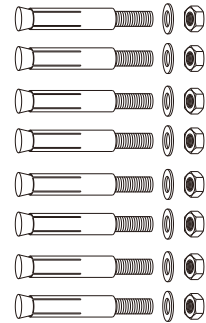
③:You need to prepare bolts by yourself to secure the frame to the ground.

④
A1   9#   C3
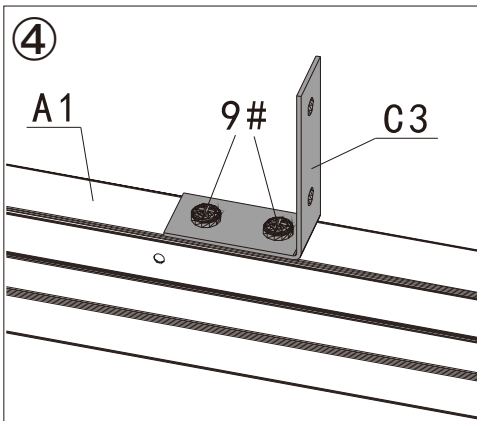
④/⑤: Fix 2 part#C3 on part #A1, part #A2 by using 4 bolts 9# and gaskets.

⑤
C3   9#   A2

①②③

A5   A3
A8         A4
A6              A6
④        A8
A1         A5
⑤
A2

02

C (x2)
C1 (x1)
C2 (x1)
J (x2)
J1 (x4)
H1 (x1)
H2 (x1)
1# (x24)
9# (x10)
3# (x4)

①

**Section View**

J
★
H2
J1
J1
C
9#   9#   9#   9#   9#
C1
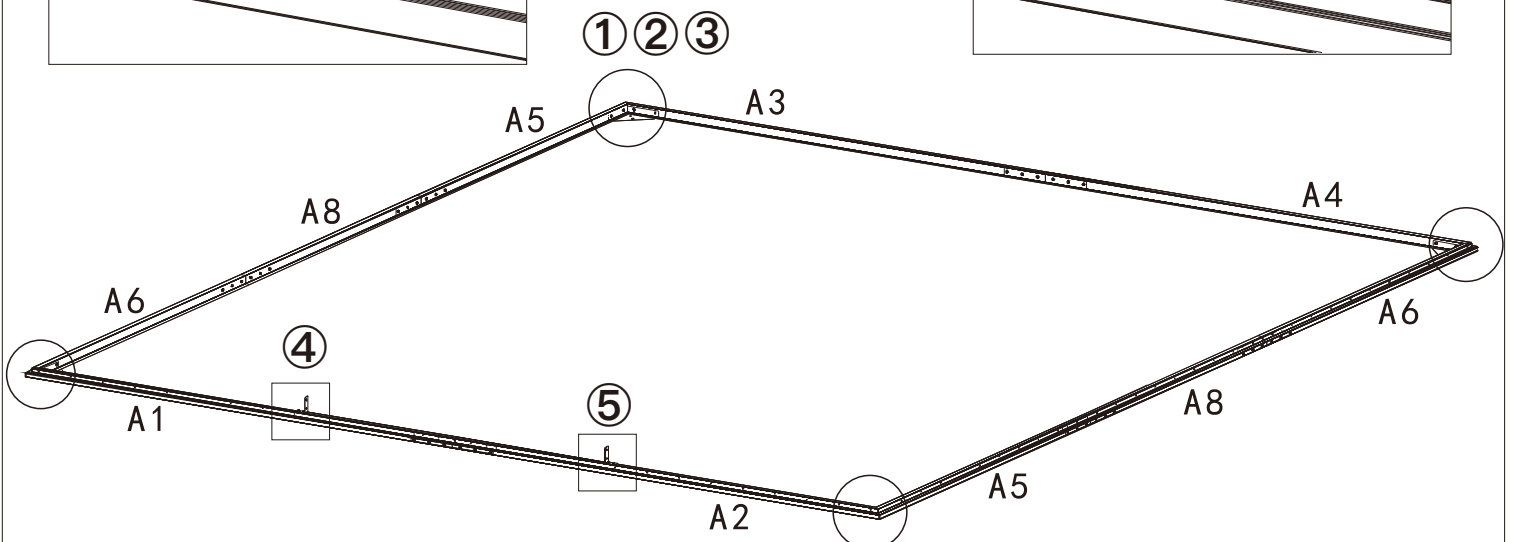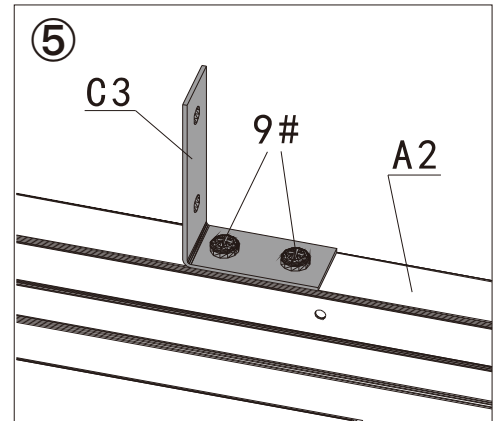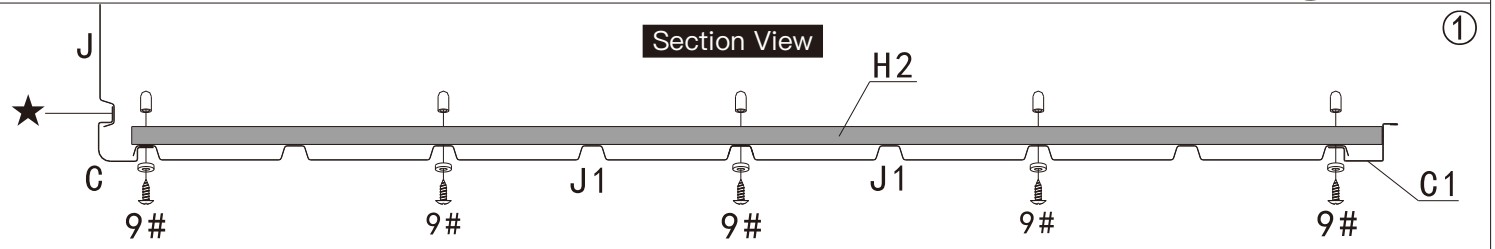
①: Use 5 bolts 9#, gaskets and caps to connect part #H2 with part #C/J1/J1/C1 to form a front side wall panel.

②

**Section View**

H1
J
★
C2
J1
J1
C
9#   9#   9#   9#   9#
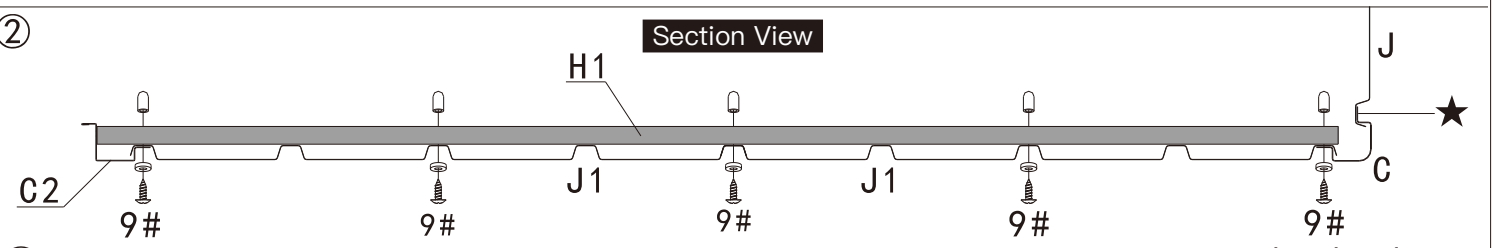
②: Use 5 bolts 9#, gaskets and caps to connect part #H1 with part #C2/J1/J1/C to form a front side wall panel.

Place the assembled front side wall panel (#C/J1/J1/C) on the bottom frame(#A1), using 9 bolts 1# and gaskets to fix.

A4
A6
A3
A5
A8
A6
A1
A2
C2
J1
J1
J
C
J
C
J1
J1
C1
①
②
★
1#
1#
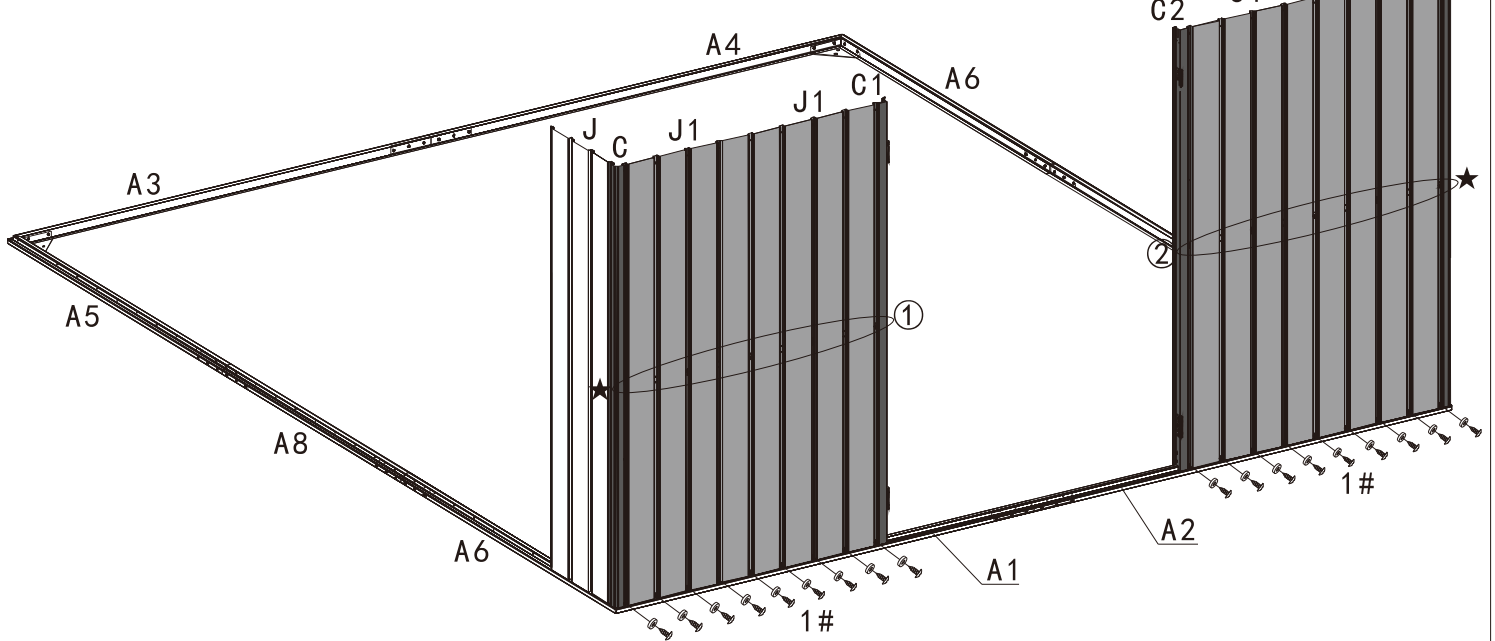
Place the assembled front side wall panel (#C2/J1/J1/C) on the bottom frame(#A2), using 9 bolts 1# and gaskets to fix.

**Back View**

**Side View**

H1/H2
Plastic Cap
9#
J1

J1   H1 J1
9#   9#   9#   9# 9#
C2

J1      J1
H2
9#   9#   9#   9# 9#
C1

03

**Section View** ①

J  H2  C1
★  C  J1  J1
9#  9#  9#  9#  9#

② **Section View**

H1  J
C2  J1  J1  C  ★
9#  9#  9#  9#  9#
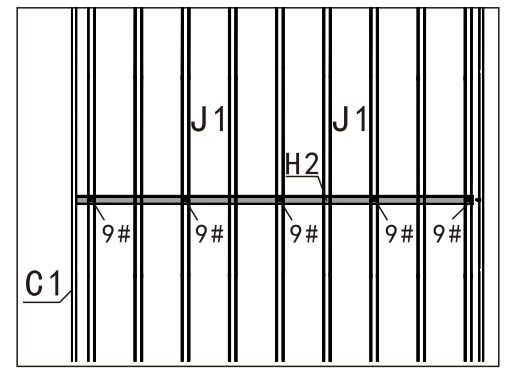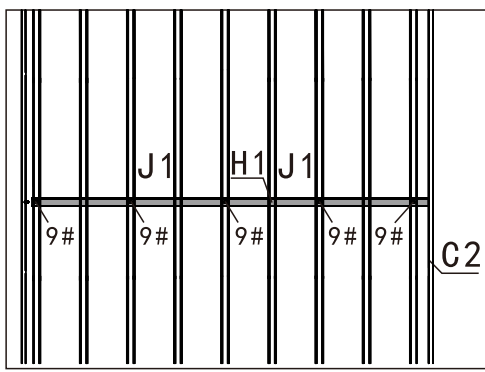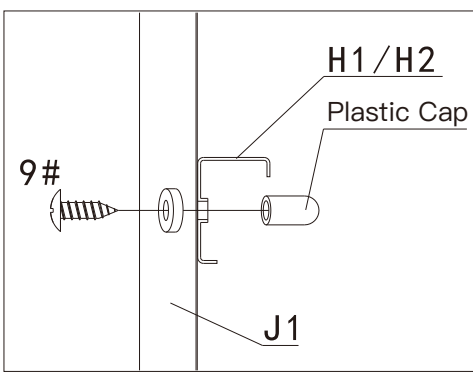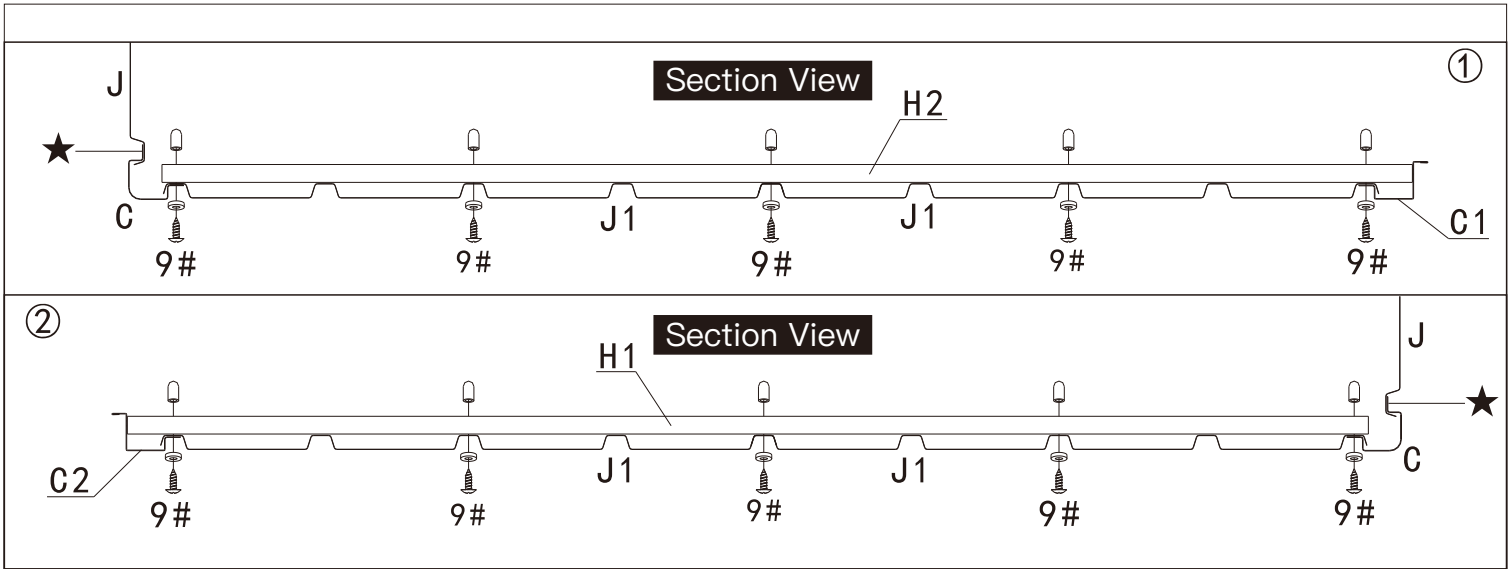
Place part #J on the bottom frame(#A6), using 3 bolts 1# and gaskets to fix.

⚠ **Attention:** To ensure the stability of the wall panel(#J) during assembly, you can temporarily reinforce this position(☆) with bolts 2#, and replace it with other correct bolts when the next installation is made.

**Repeat the above procedures to assemble the other side.**

A4  C1  A6  J  J1  J1  C
A3  J  C  J1  J1  C2  J1
A5  ★  ①  ②
A8  ④
A6  ③  A2
1#  A1

**Inside View**

③  C1
3#  C3
3#
A1
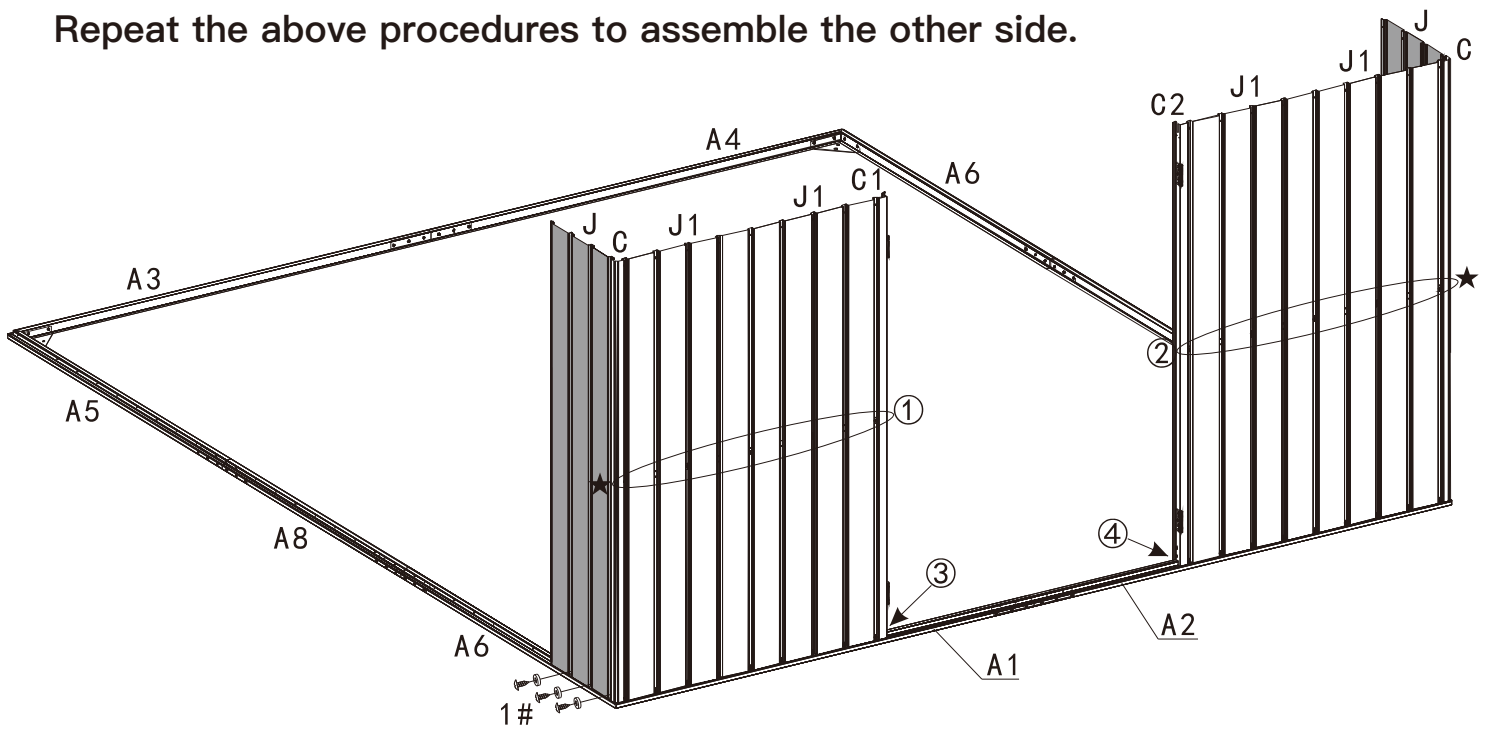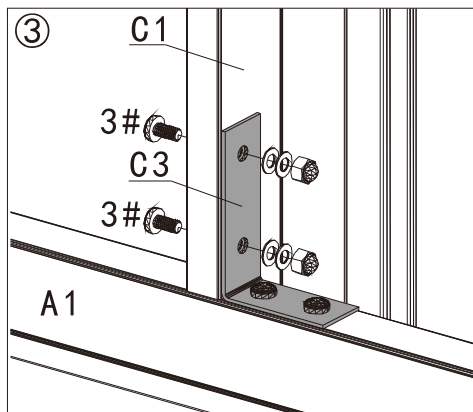
③: Fix part #C3 to part #C1 with 2 bolts 3#, 4 gaskets and 2 nuts.

④: Fix part #C3 to part #C2 with 2 bolts 3#, 4 gaskets and 2 nuts.

**Inside View**

④  C2
3#  C3  3#
A2

04

H3 (x1)  H4 (x1)  H7 (x5)

H5 (x2)  H6 (x2)  3# (x20)

H8 (x2)

3#  3#

H3  H4

H7

3#  3#

H5/H8  H8/H6

H7
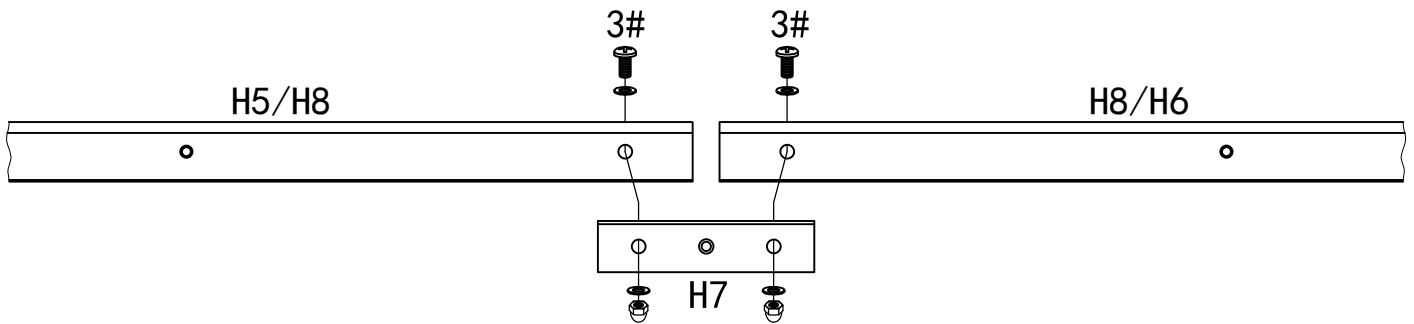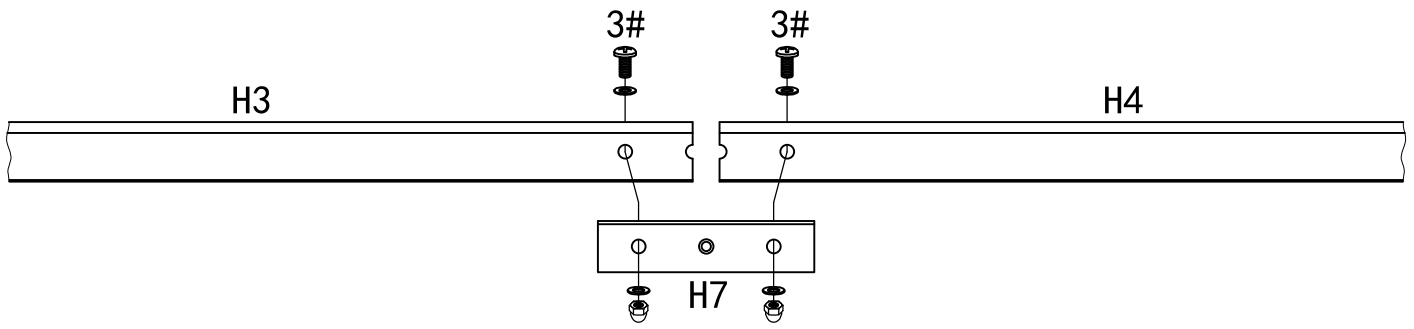
Use part#H7 to connect part #H3 and part #H4, and fix with bolts 3#, gaskets and nuts.

**Repeat the above procedures to connect part #H5 with part #H8/part #H8 with part #H6.**

H3/H4
H5/H6/H8

3#  H7

Side View

H3  H4

H7

X1

H5  H8  H6

H7  H7

X2

05

J2 (x2)

N (x2)

N1 (x2)

N2 (x2)

13# (x16)

J2

N

N2
N1

13#

13#

13#

13#

13#

13#

13#

13#

J2
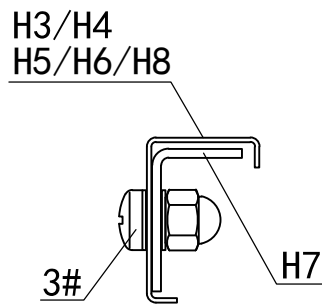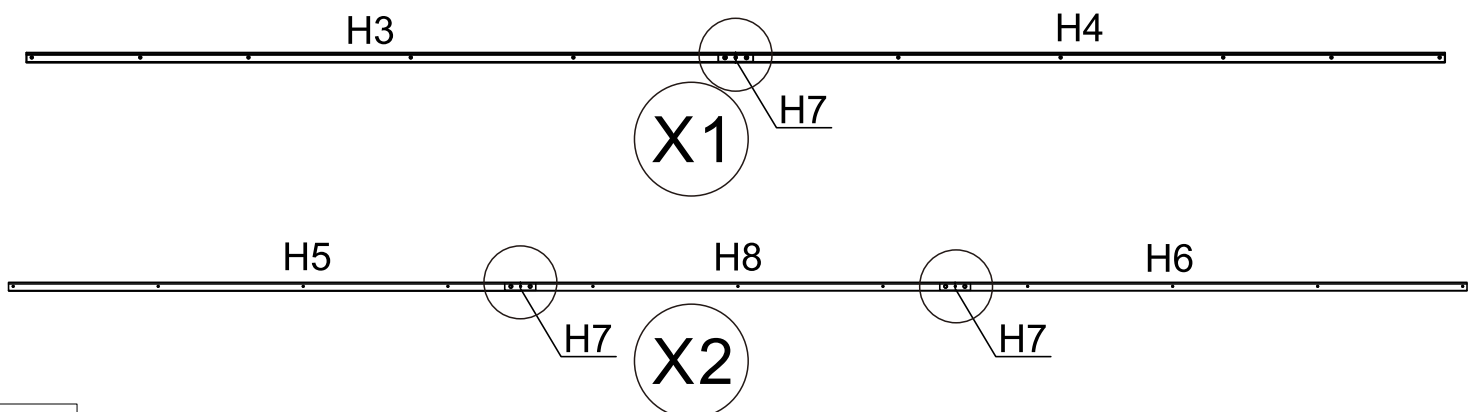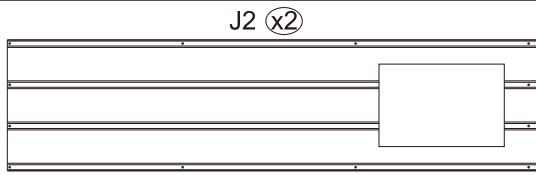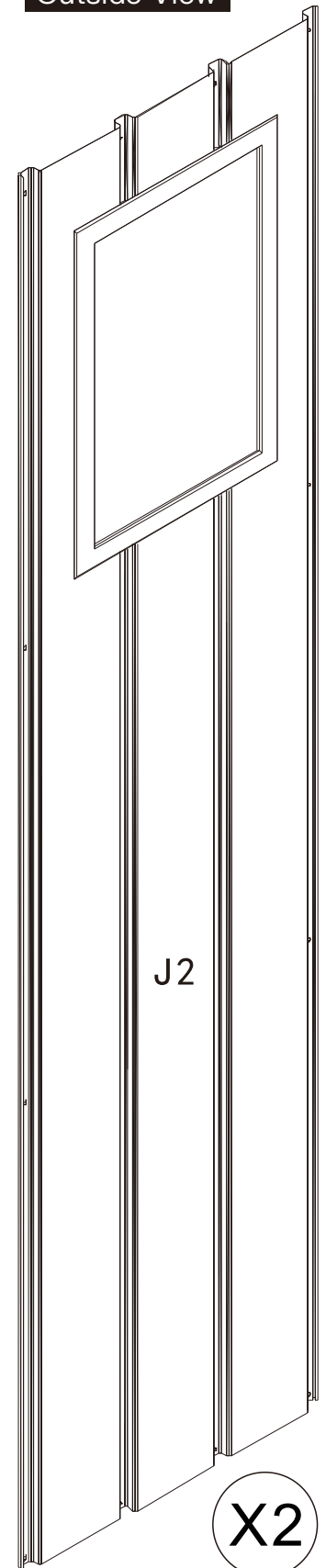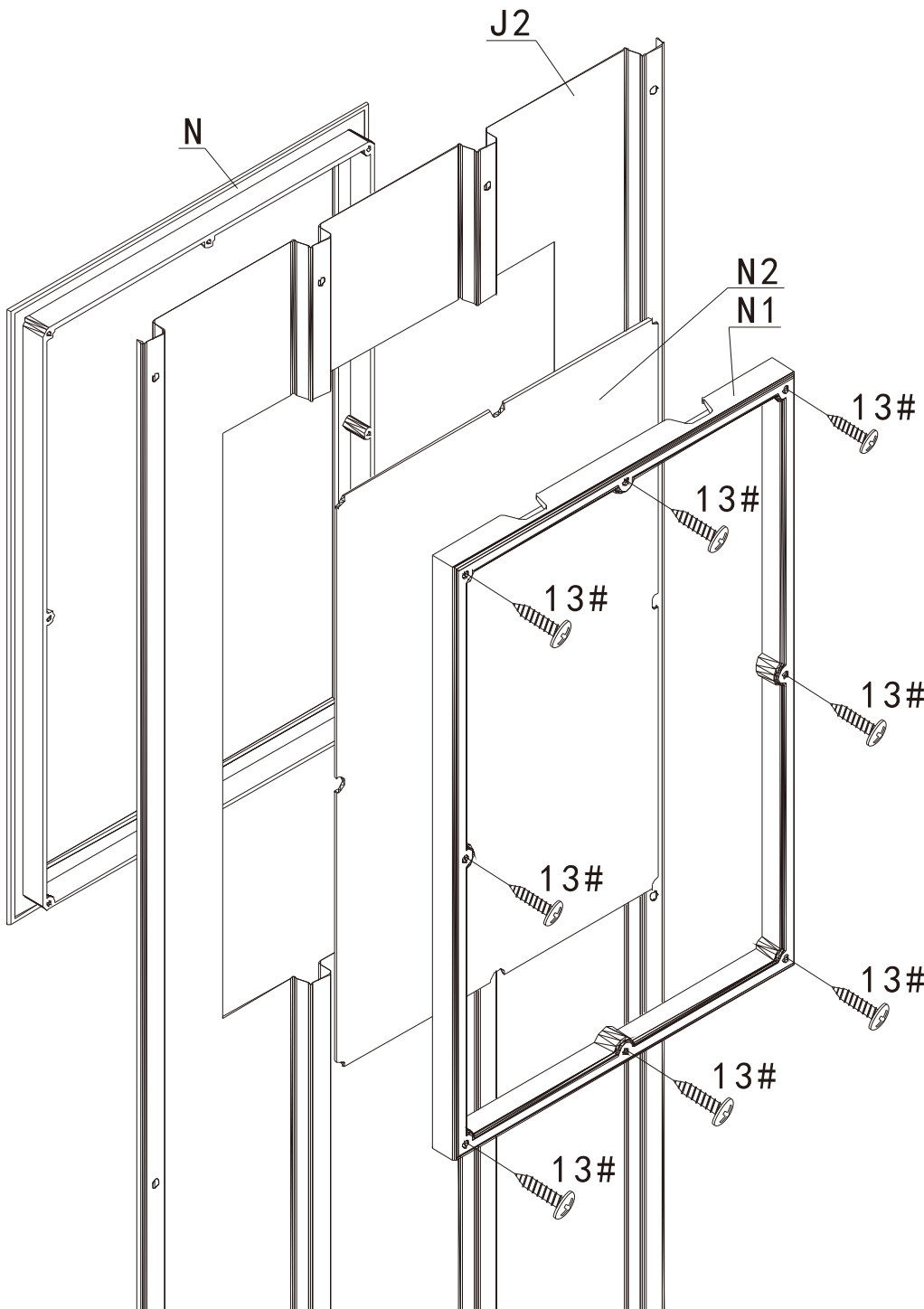
**Side Window Assembly:**

Insert part #N to the wall panel #J2 (from outside to inside),
place transparent board #N2, use 8 bolts #13 to fix
part #N1 & part #N (from inside to outside).
**Repeat the above procedures to assemble another side window.**

X2

06

J x2    C x2    1# x12
9# x4
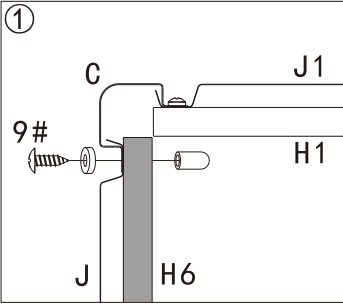
① Place part #J2/J/C on the bottom frame #A6, using 6 bolts 1# and gaskets to fix.

C    J1
9#    H1
J    H6

②
J1    C
H2    9#
H5    J

①: Use 1 bolt 9# and gasket to install support tubes(H6+H8+H5) to wall panel #J, then put on the plastic caps.

J

Front Side

②
H5
H8
H6

J2
J
C
J1

①

④
⑤

J2
J    C    J1
H6

H5

H3

J
H6

H4

⑤

A5
H8

⑤
③

A8

Back Side

A6
A4
A3

1#

1#    1#

Side View

⑤
H3/H4
H5/H6
9#
9# Plastic Cap
J/J1/J2    J/J1/J2

H3/H4
H5/H6
9#
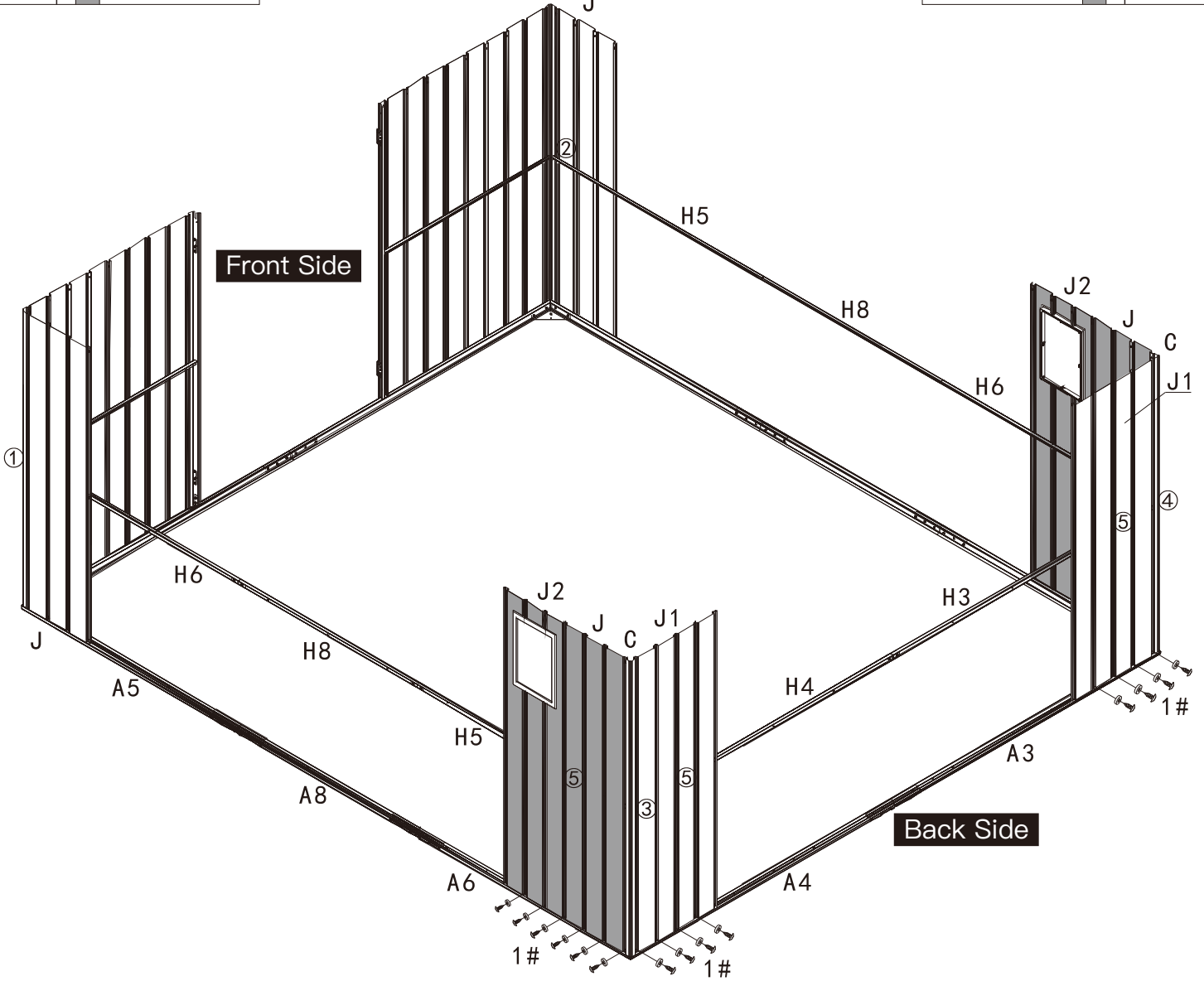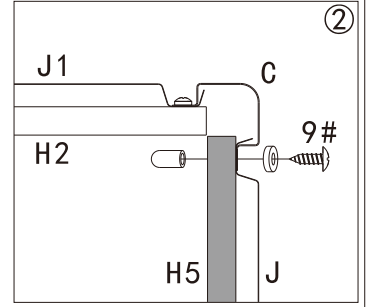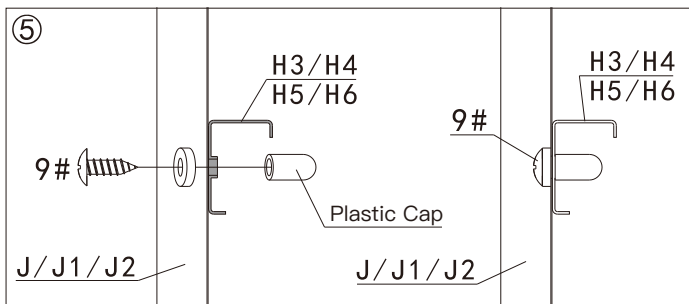
⑤: Use 1 bolt 9# and gasket to install support tubes(H6+H8+H5) to wall panel #J2, then put on the plastic caps.

**Repeat the above procedures to assemble another side.**
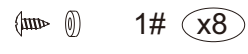
| | | | |
|---|---|---|---|
| J1 (x2) | 1# (x8) | | |
| | 9# (x6) | | |

Place part #J1 on the bottom frame #A4, using 4 bolts 1# and gaskets to fix.
Place part #J1 on the bottom frame #A3, using 4 bolts 1# and gaskets to fix.
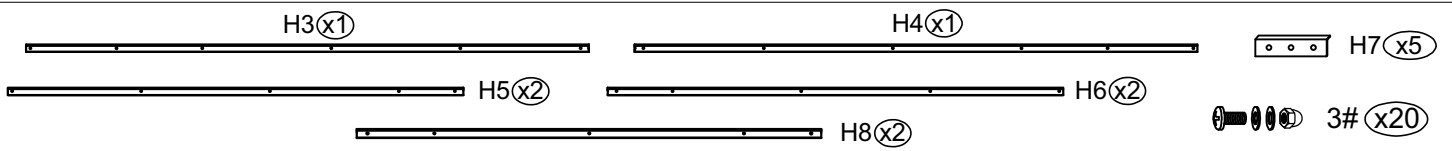


Front Side

Back Side
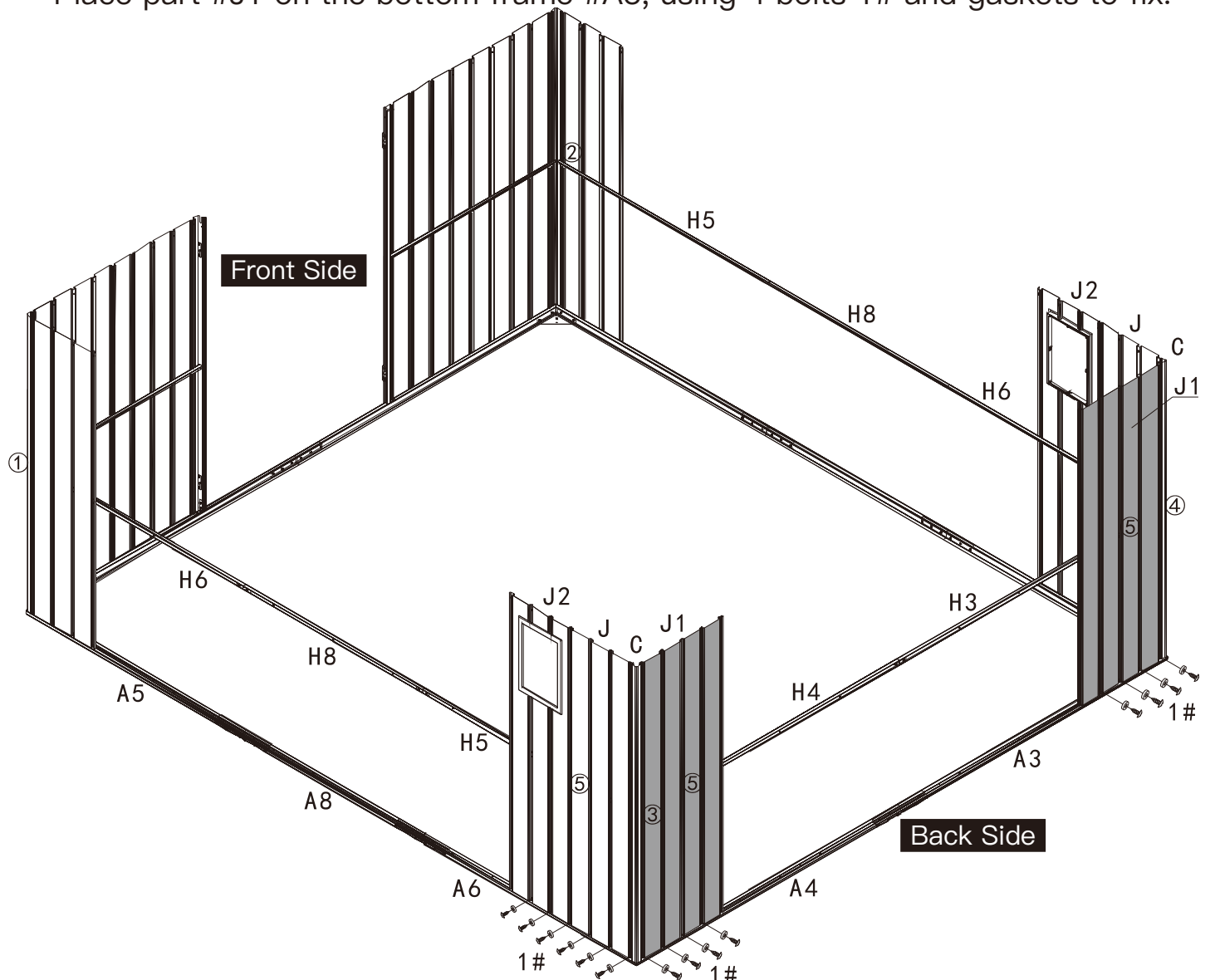
Section View
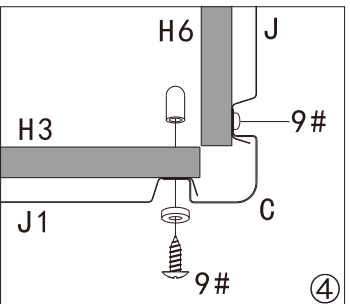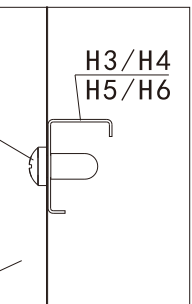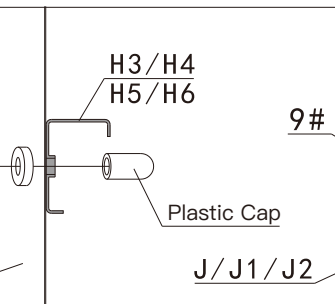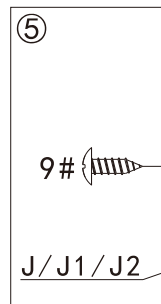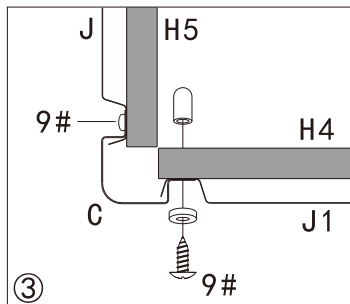
③: Use 2 bolts 9# and gaskets to install 1 support tube(H6+H8+H5) & support tube(H4+H3) to part #C, then put on the plastic caps.

⑤: Use 2 bolts 9# and gaskets to install 1 support tube(H4+H3) to 2 wall panel #J1, then put on the plastic caps.

④: Use 2 bolts 9# and gaskets to install 1 support tube(H4+H3) & support tube (H6+H8+H5) to part #C, then put on the plastic caps.

08

J ×20    1# ×63    9# ×23



Side View

① H3/H4 H5/H8/H6

Plastic Cap

9# 

J / J1 / J2

Side View

② H3/H4

Plastic Cap

9#

H7

J
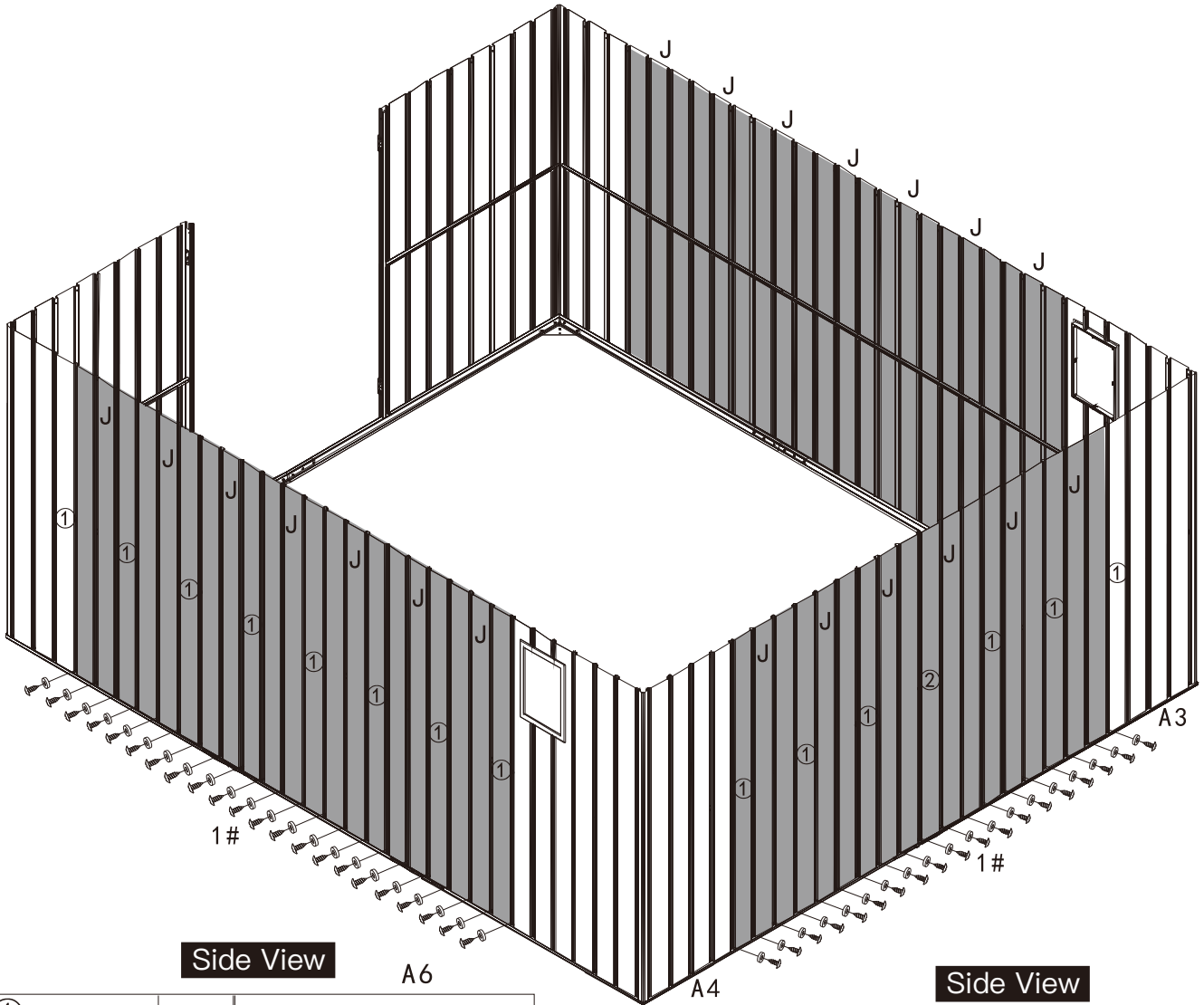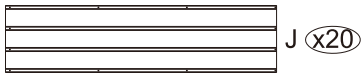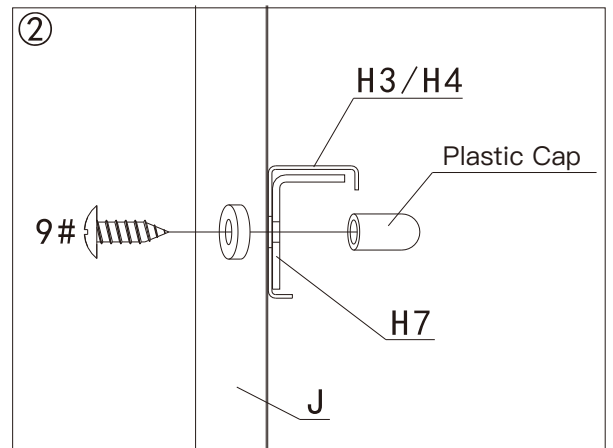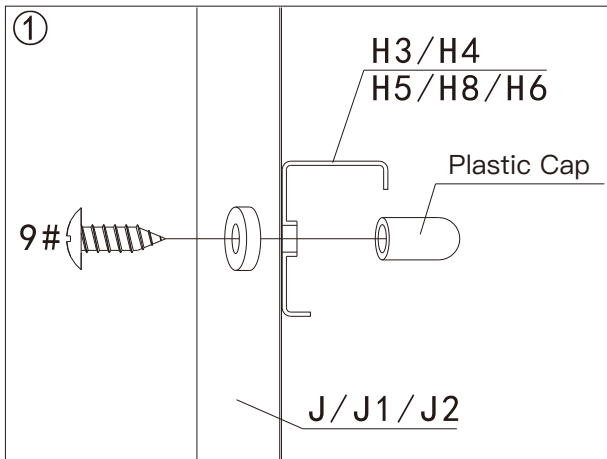
Use 22 bolts 1# and gaskets to fix 7 part #J on the bottom frame(A5 & A8 & A6).

①/②: Use 8 bolts 9# and gaskets to fix 7 part #J with 1 support tube(H6+H8+H5) , then put on the plastic caps to form a whole side wall.

**Repeat the above procedures to assemble another side wall.**

Use 19 bolts 1# and gaskets to fix 6 part #J on the bottom frame(A4 & A3).

①/②: Use 7 bolts 9# and gaskets to fix 6 part #J with 1 part#(H3+H4), then put on the plastic caps to form a whole back wall.

B3(x1)  B4(x1)  B5(x2)  B6(x2)

B1(x1)  B2(x1)  B9(x2)

B7(x6)  B8(x1)  12# (x36)

B3  B4

B5  B6
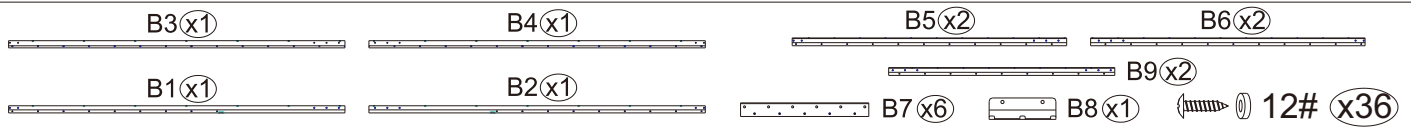
## Top Frame Assembly

①: Connect part #B1 & #B2, insert part #B7 & #B8 on the inside of part #B1/B2, fix with 6 screws 12# and gaskets

②: Connect part #B3 & #B4, insert part #B7 on the inside of part #B3/B4, fix with 6 bolts 12# and gaskets.

③: Connect part #B6 & #B9/#B9 & #B5, insert part #B7, fix with 6 bolts 12# and gaskets.

③  ③

B9  B9

B6  B5

②

①

B2

12#
12#
12#
12#
12#
B8

B1
12#
12#
B7

B1  ①  B2

②
B3
B4
12#
12#
12#
12#
12#
12#
B7

③
B6/B9
B9/B5
12#
B7
12#

B ⓧ4    C4 ⓧ2    9# ⓧ4 Plastic Gaskets    12# ⓧ16 Plastic Gaskets
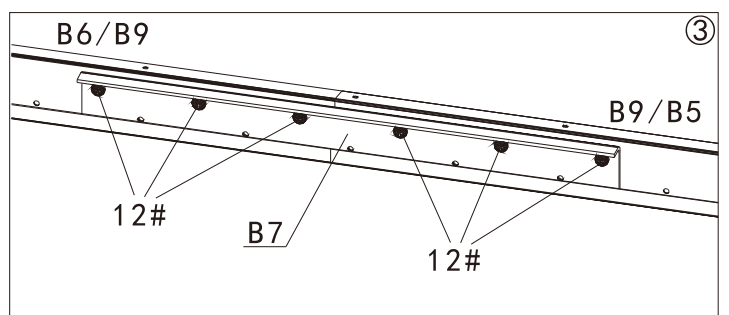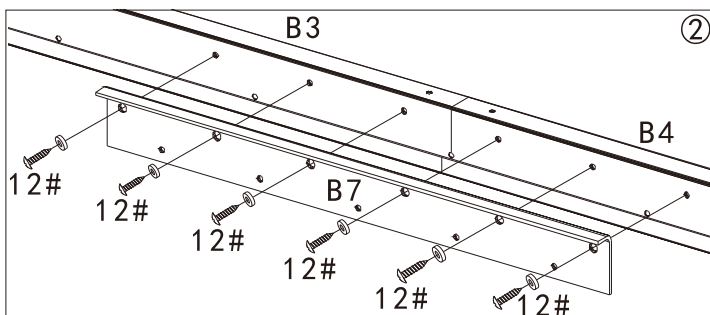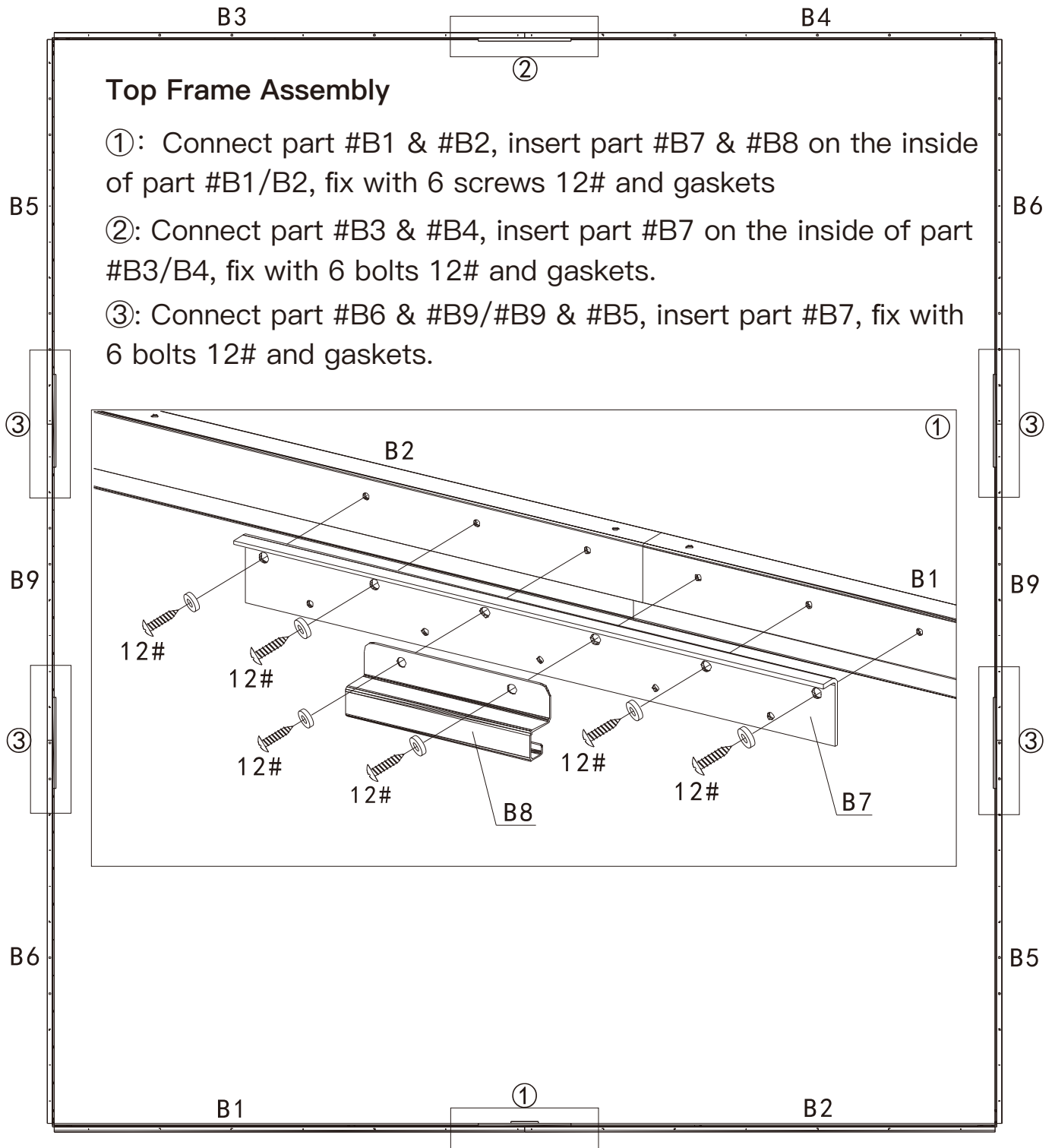
①/②: Use #part #B to connect part #B5 & #B3, part #B4 & #B6, part #B5 & #B2, part #B1 & #B6, fix with 16 bolts 12# and gaskets.

12#    12#
B5    B3
B
①

12#    12#
B1    B6
B
②

B5    B3
B9    B4
B6    B6
B1    B9
③    B5
④    B2

B1
9#
C4
③

C4
9#
B2
④
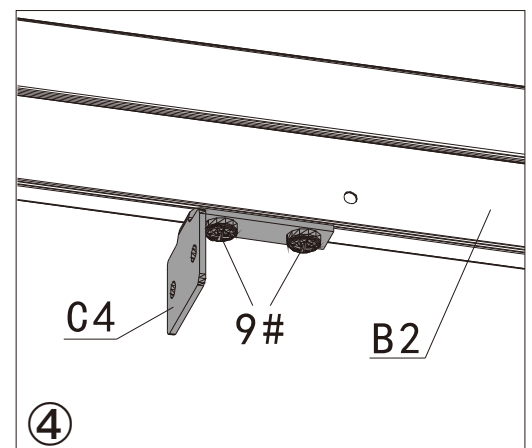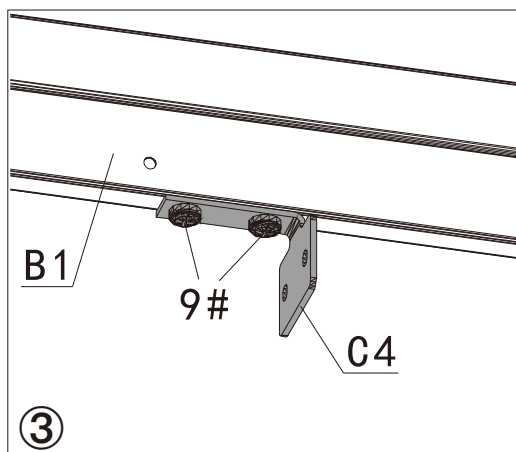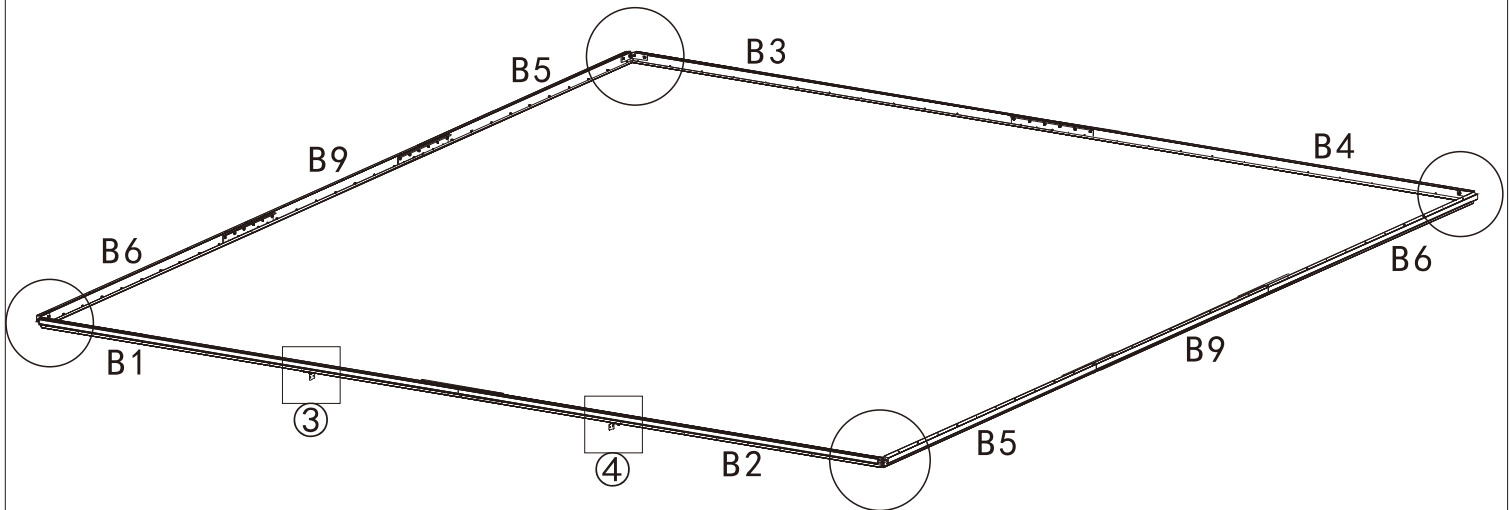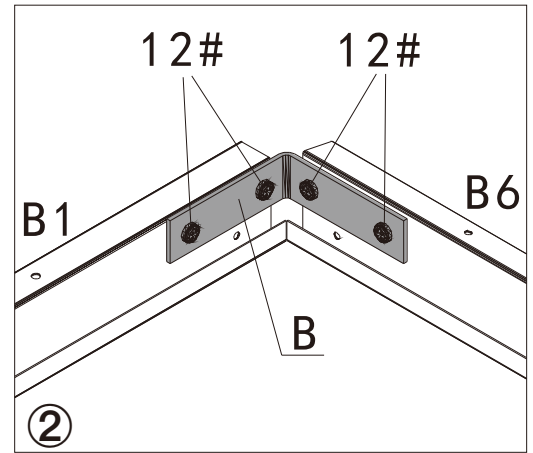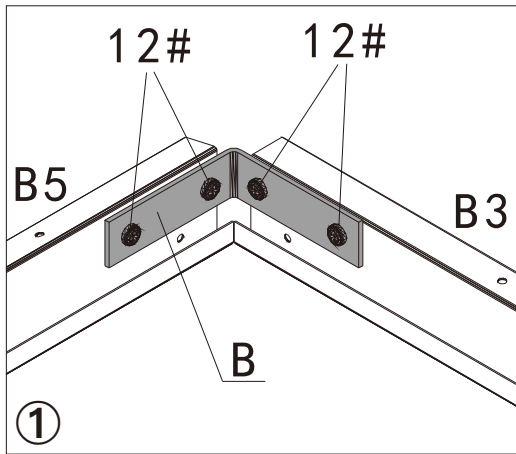
③/④: Fix 2 part #C4 on part #B1, part #B2 by 4 bolts 9# and gaskets.

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

1# ⊗x107
3# ⊗x4

1#
J / J2

1#
J / J1
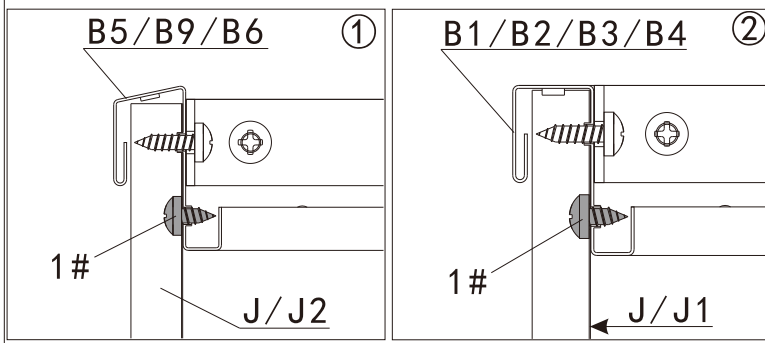
①/②: Place the assembled frame on the upper end of the wall panel, and fix with 107 bolts 1# and gaskets.

B4    B6

B9

B3

B5

B5

B9

B2

④

B6    B1    ③

C2

C1
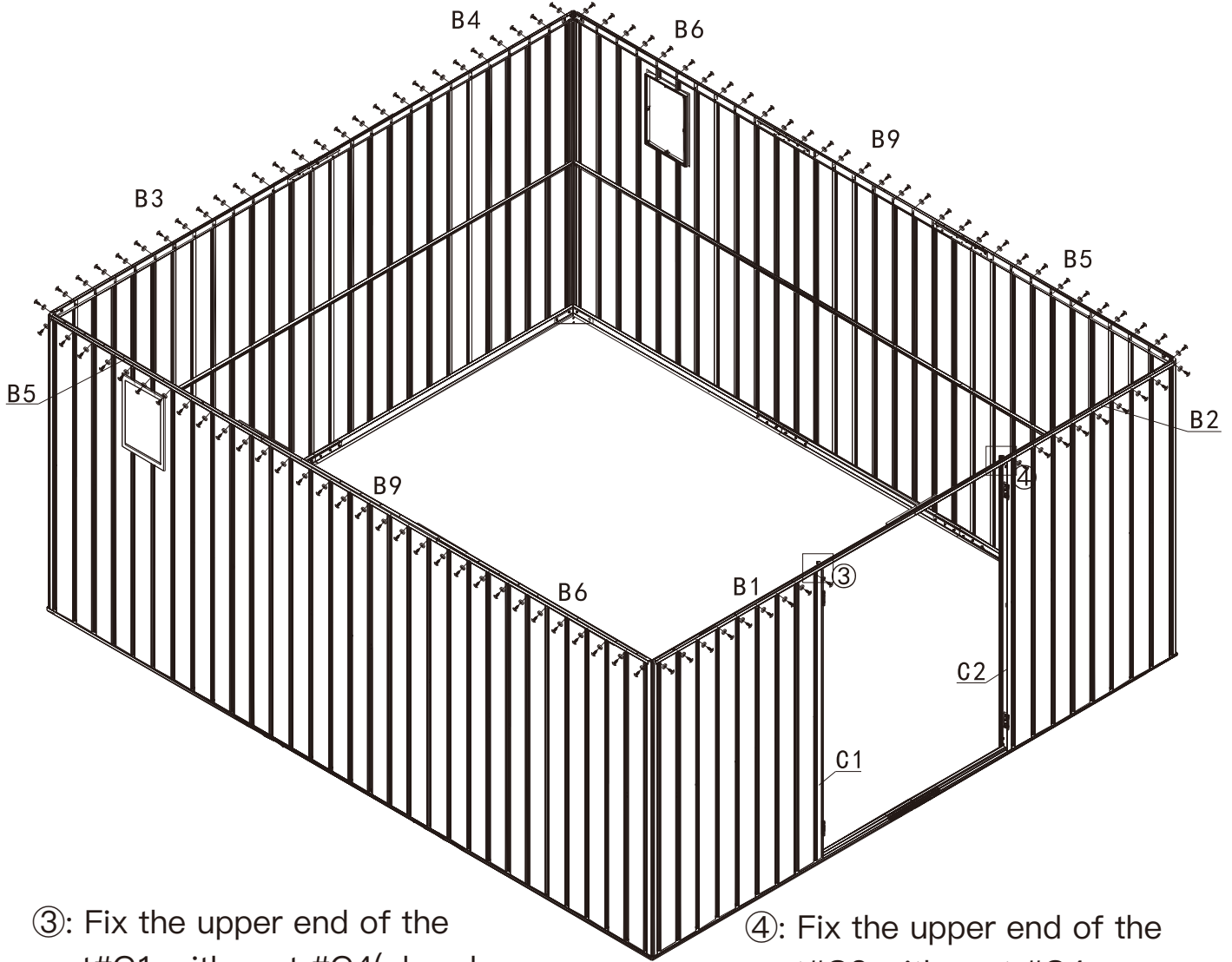
③: Fix the upper end of the part#C1 with part #C4(already assembled on part#B1) by using bolts 3#, the gaskets and nuts are on the back side.
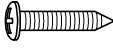
④: Fix the upper end of the part#C2 with part #C4 (already assembled on part#B2) by using bolts 3#, the gaskets and nuts are on the back side.

③
B1

3#
3#

Inside View

④
B2

3#
3#

C4
C1

C4
C2

12
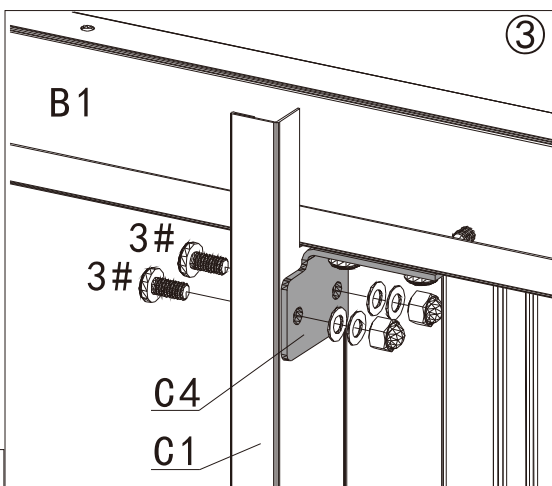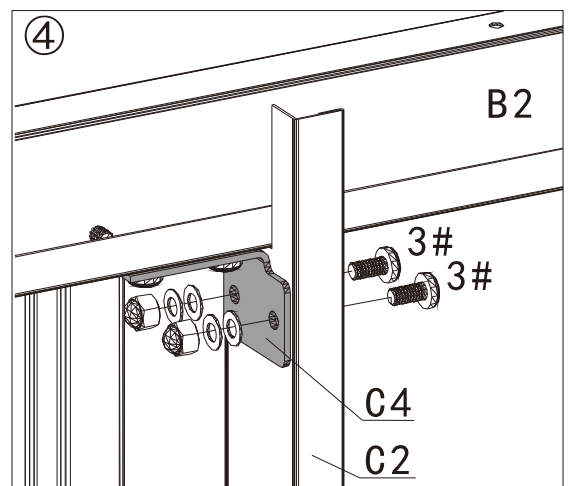
# Part 2

| | | | |
|---|---|---|---|
| 🔩 ⬭ | 4x10 | 1# | (x88) |
| 🔩 ◦ ⬭ | M4x6 | 2# | (x136) |
| 🔩 ◦◦ ⬭ | M4x8 | 3# | (x70) |
| 🔩 ▭ | 4x20 | 4# | (x60) |
| 🔩 ▭ | 4x22 | 5# | (x28) |
| 🔩 ◦◦ ⬭ | M4x10 | 6# | (x24) |
| 🔩 | ST4.2x22 | 7# | (x8) |
| 🔩 ⬭ ▭ | 4x12 | 9# | (x48) |
| 🔩 ◦◦ ⬭ | M4x20 | 11# | (x8) |

## Top beam and roof assembly
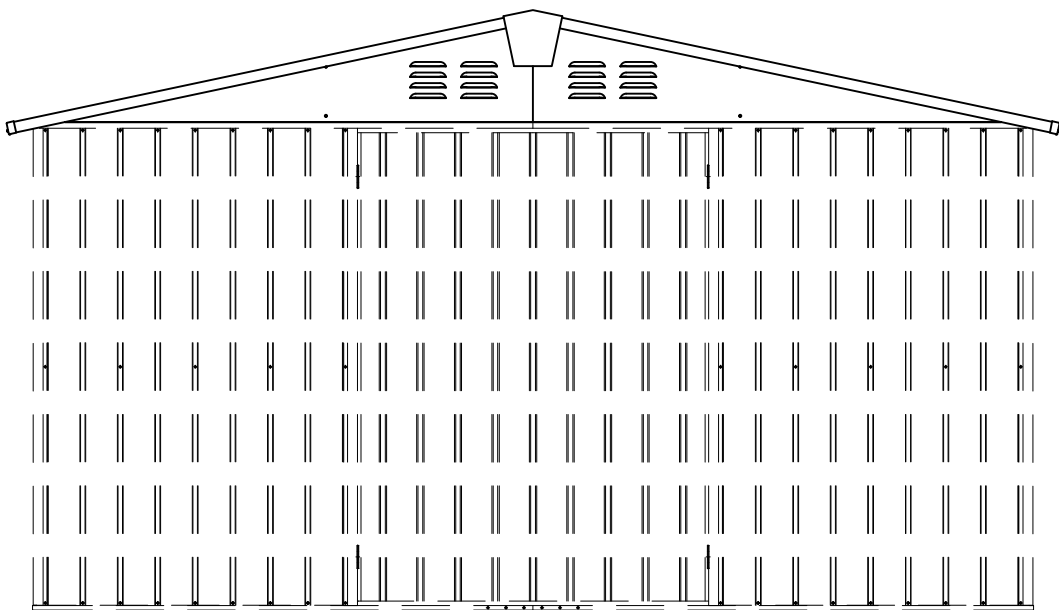
E1(x2)  E7(x2)  E2(x2)  9# (x48)

E3(x2)  E8(x2)  E4(x2)  3# (x48)

E5(x8)  E6(x2)  6# (x24)

## Connection of the middle top beam (part #E1*2/E2*2/E5*4/E6*2/E7*2)

E1

E2

E7

E7

E5

E5

E2

E1

E6

E1/E7/E2

E1/E7/E2

6#

6#

E5

E5

E5

E5

Plastic Cap

Section View

E1/E7/E2

E1/E7/E2

9#

9#
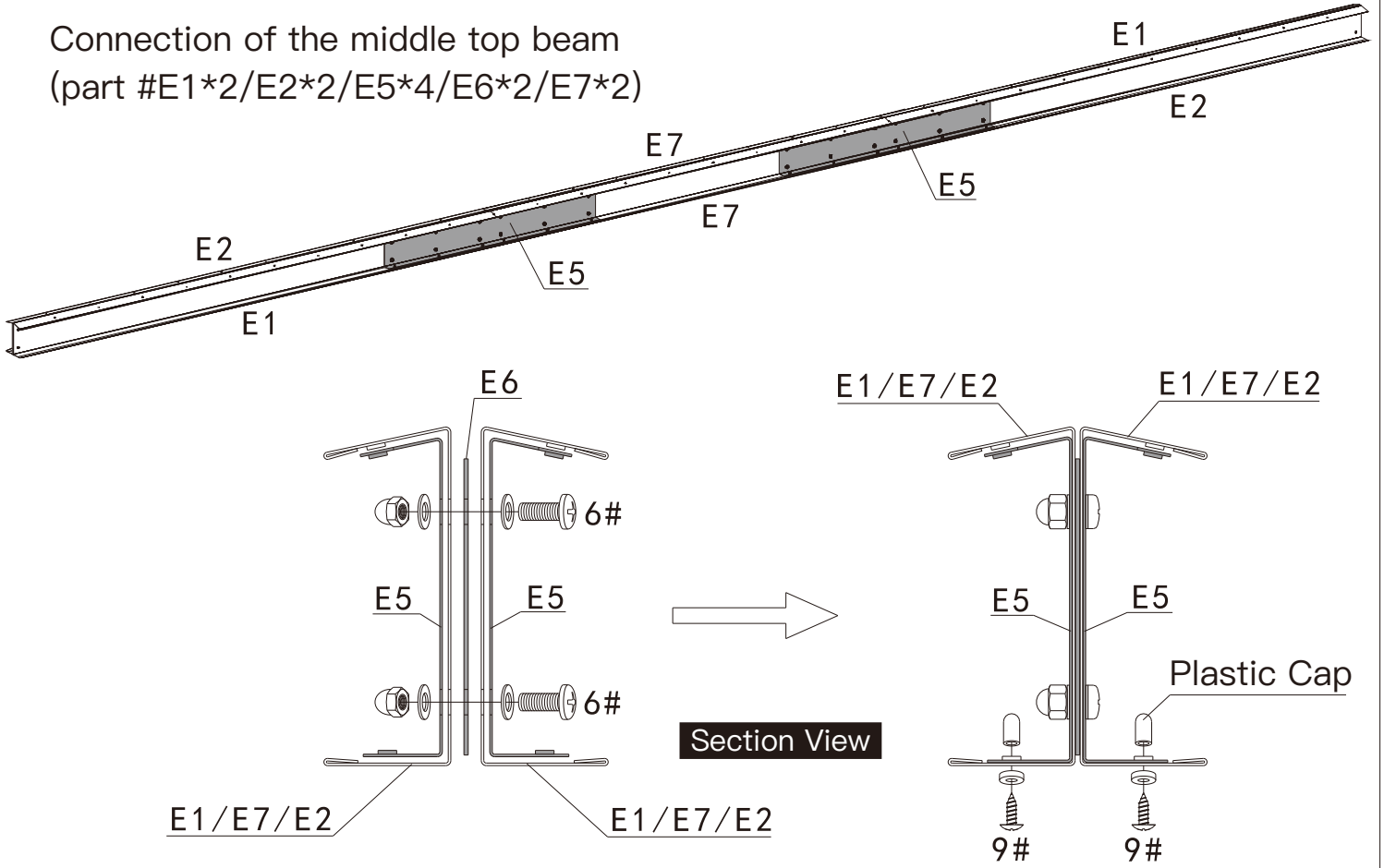
## Connection of the 2 side top beam (part #E3/E8/E4/E5*2)

X2

E4

E8

E5

E3

E5

E3/E8/E4

3#

3#

E5

E5

E3/E8/E4

3#

3#

Plastic Cap

Section View

9#

13

D1 (x2)   D2 (x2)   D (x4)   3# (x10)

D1
E4
E2
E1
D
①
D2
E3
E8
E7
E7
E8
E1
E2
E4
E3
D2
D1

D1
3#
E2
E1
D2
3#
D D
3#
①
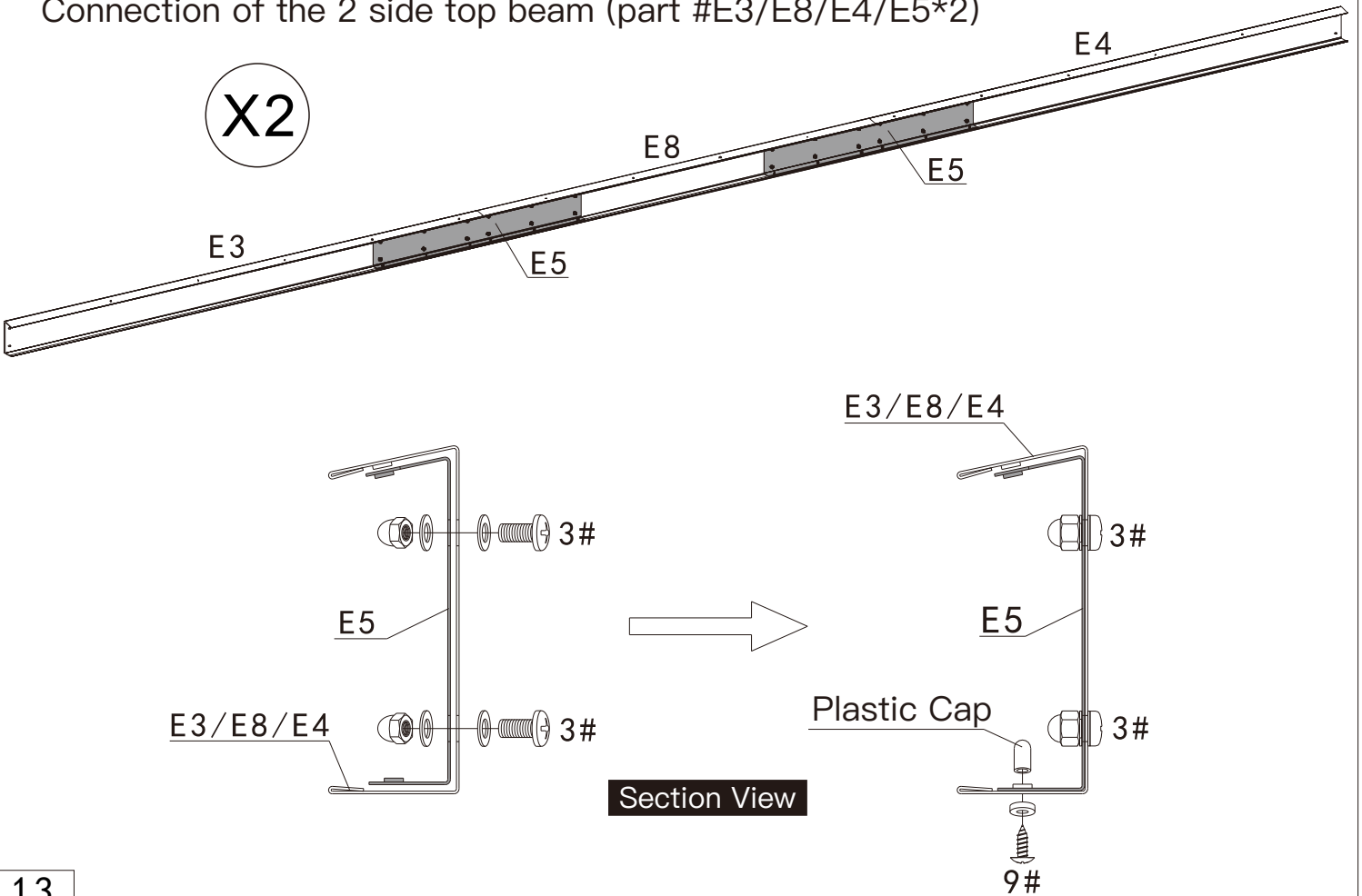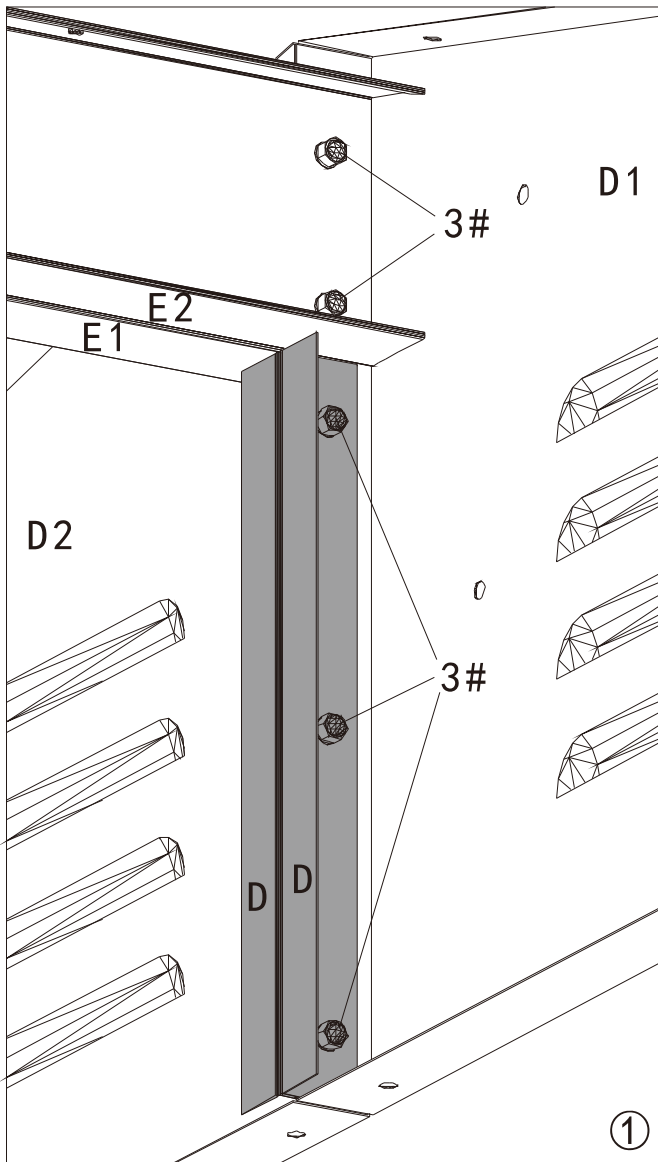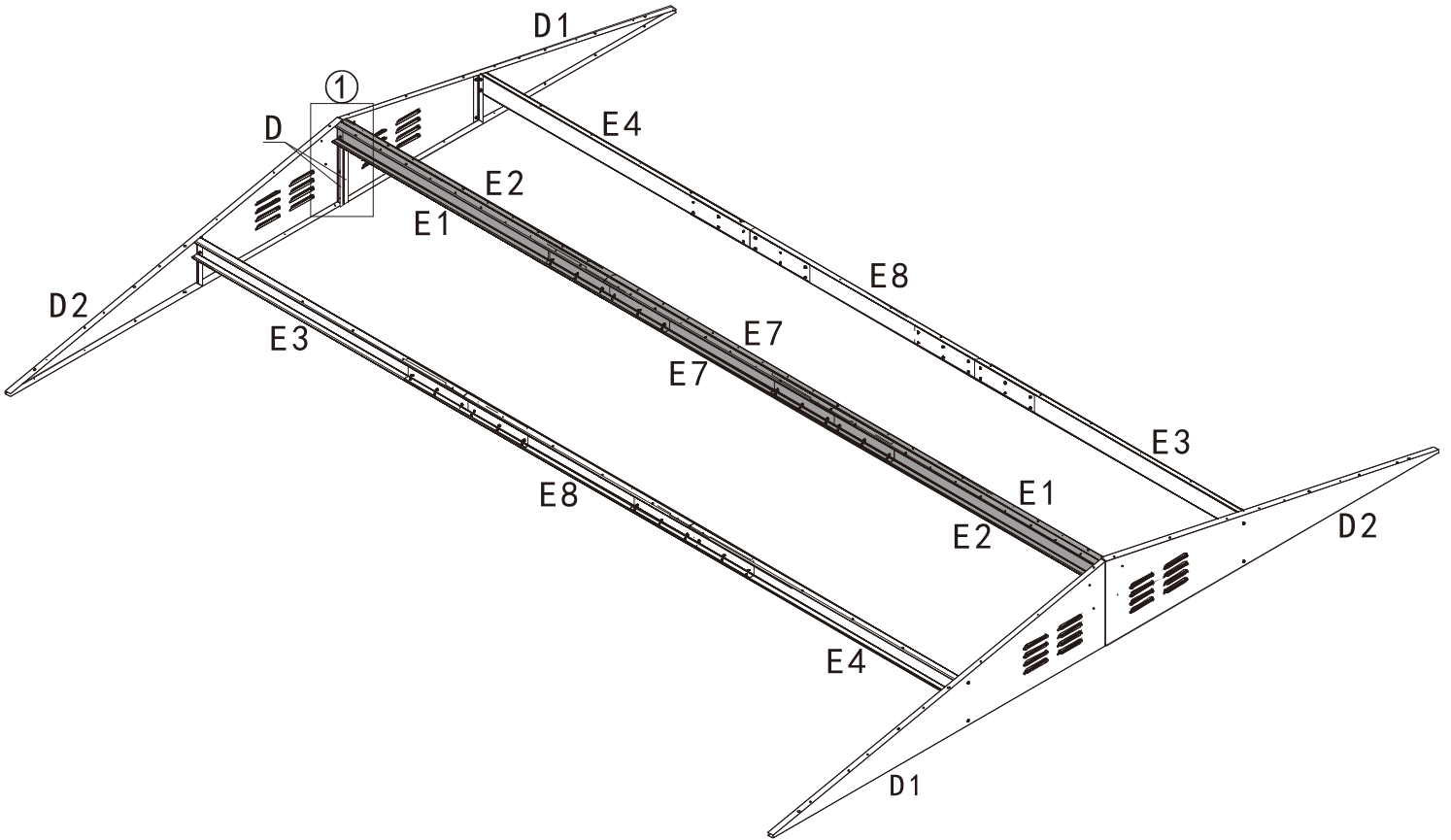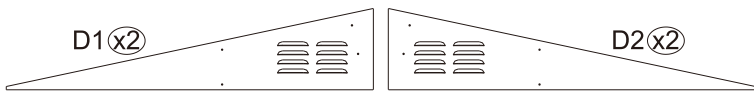
## Top Beam Assembly

①: Splice part#D1 & #D2, clamp the 2 sides with part #D; Use 3 bolts 3# (including 1 bolt ,2 gaskets and 1 nuts) to fix 2 part #D to part #D1 & #D2;

Clamp the two sides with part#E1/E2, and tighten with 2 bolts 3#, gaskets nuts.

**Repeat the above procedures to assemble another side.**

14

D3 ⊗2    D4 ⊗2    2# ⊗16
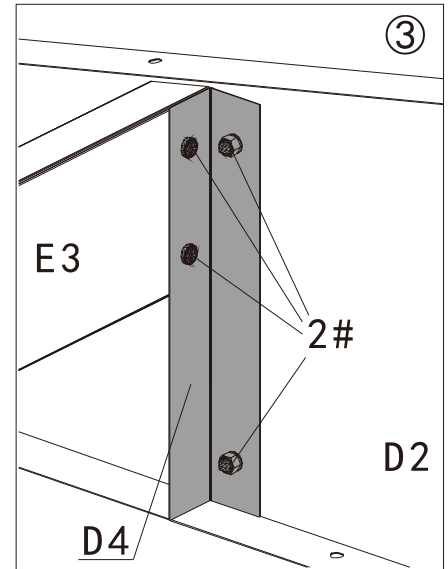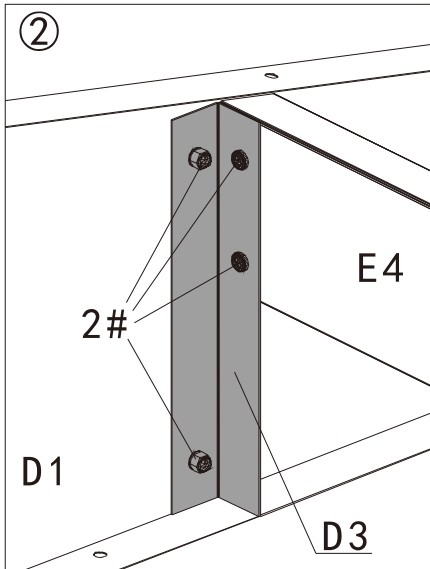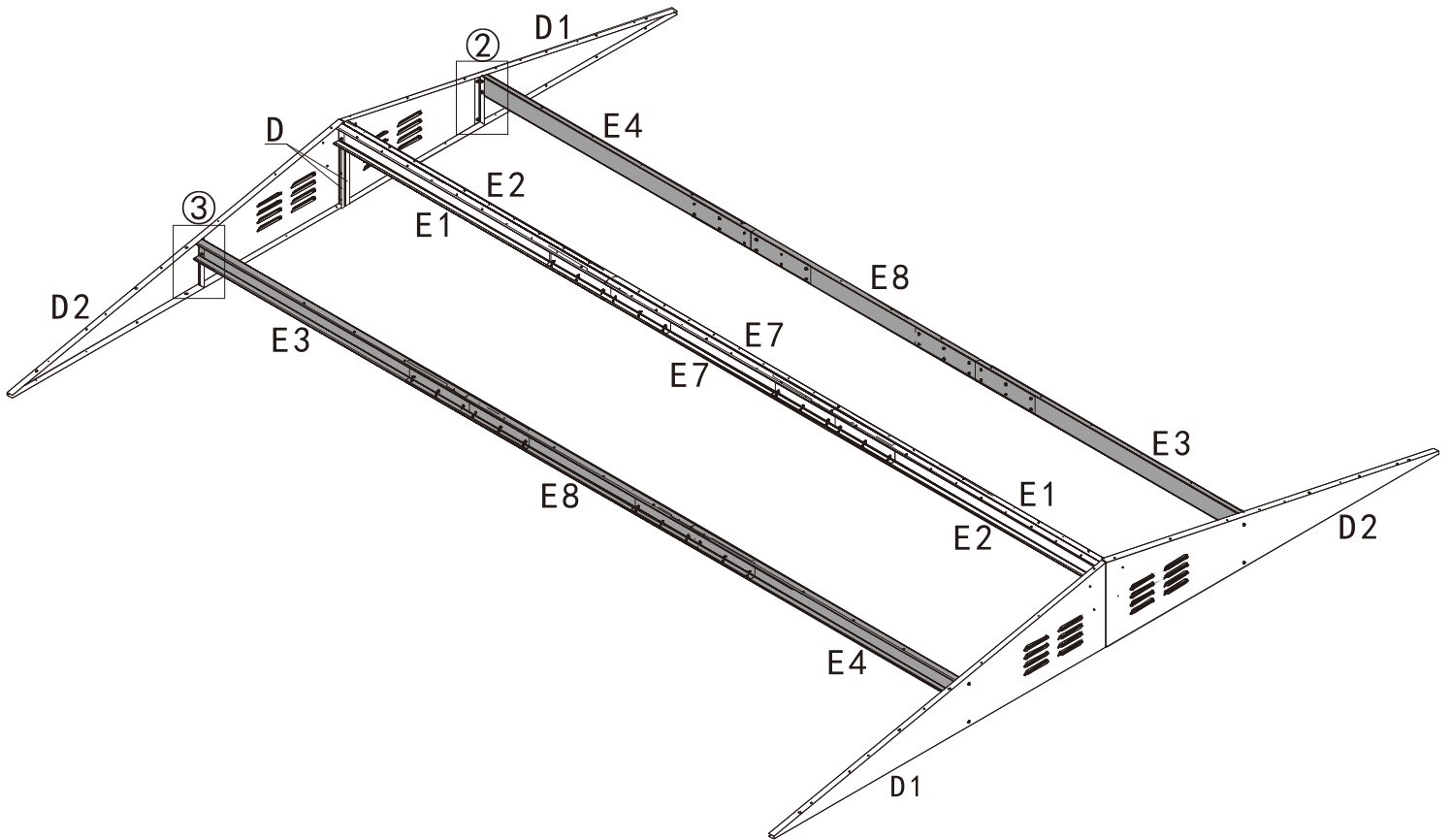


② Use 4 bolts 2#(including 1 bolt,1 gaskets and 1 nuts) to fix part #D3 with part #E4 & #D1.

③ Use 4 bolts 2#(including 1 bolt,1 gaskets and 1 nuts) to fix part #D4 with part #E3 & #D2.

**Repeat the above procedures to assemble another side.**

15

Cross Screwdriver

1# ×28

D1
D2

1#
1#
1#
1#
1#
1#
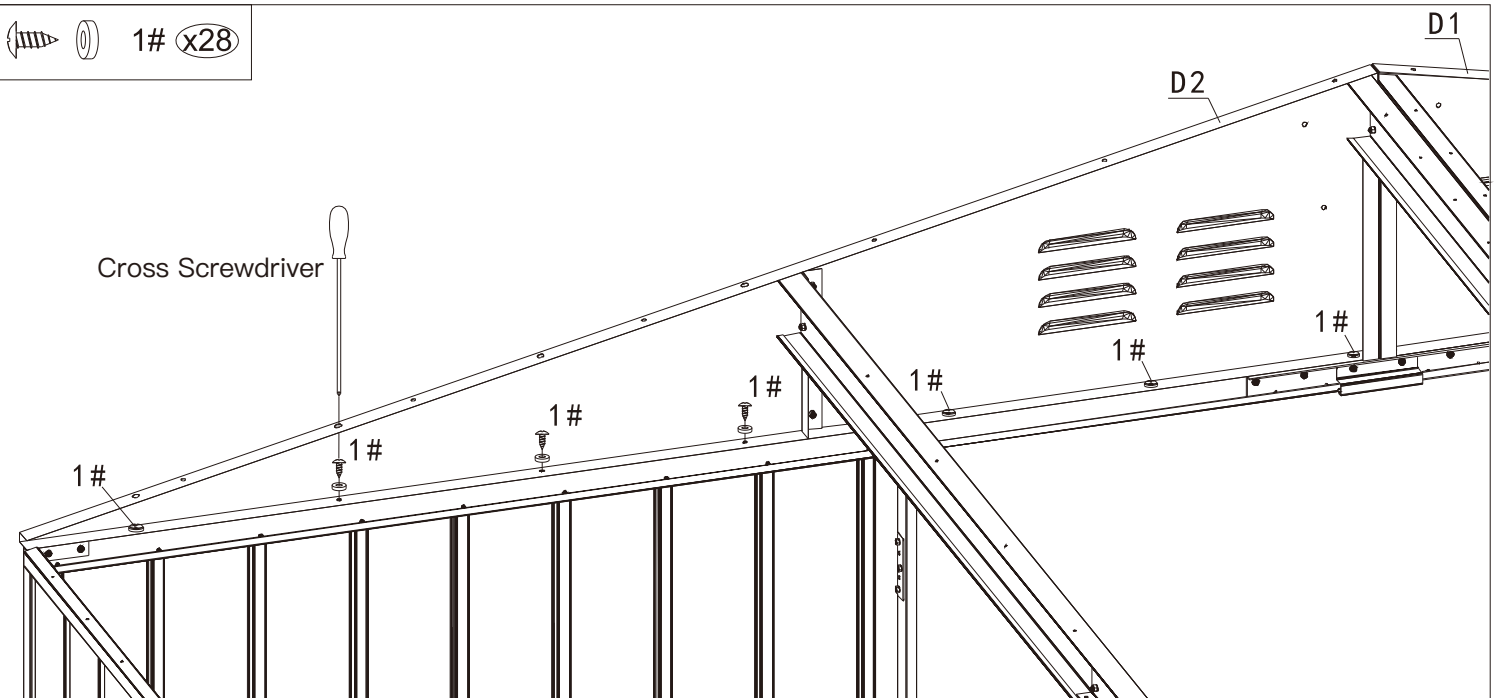
Place the assembled top beam on the top frame, tighten with 28 bolts #1 and gaskets.

16
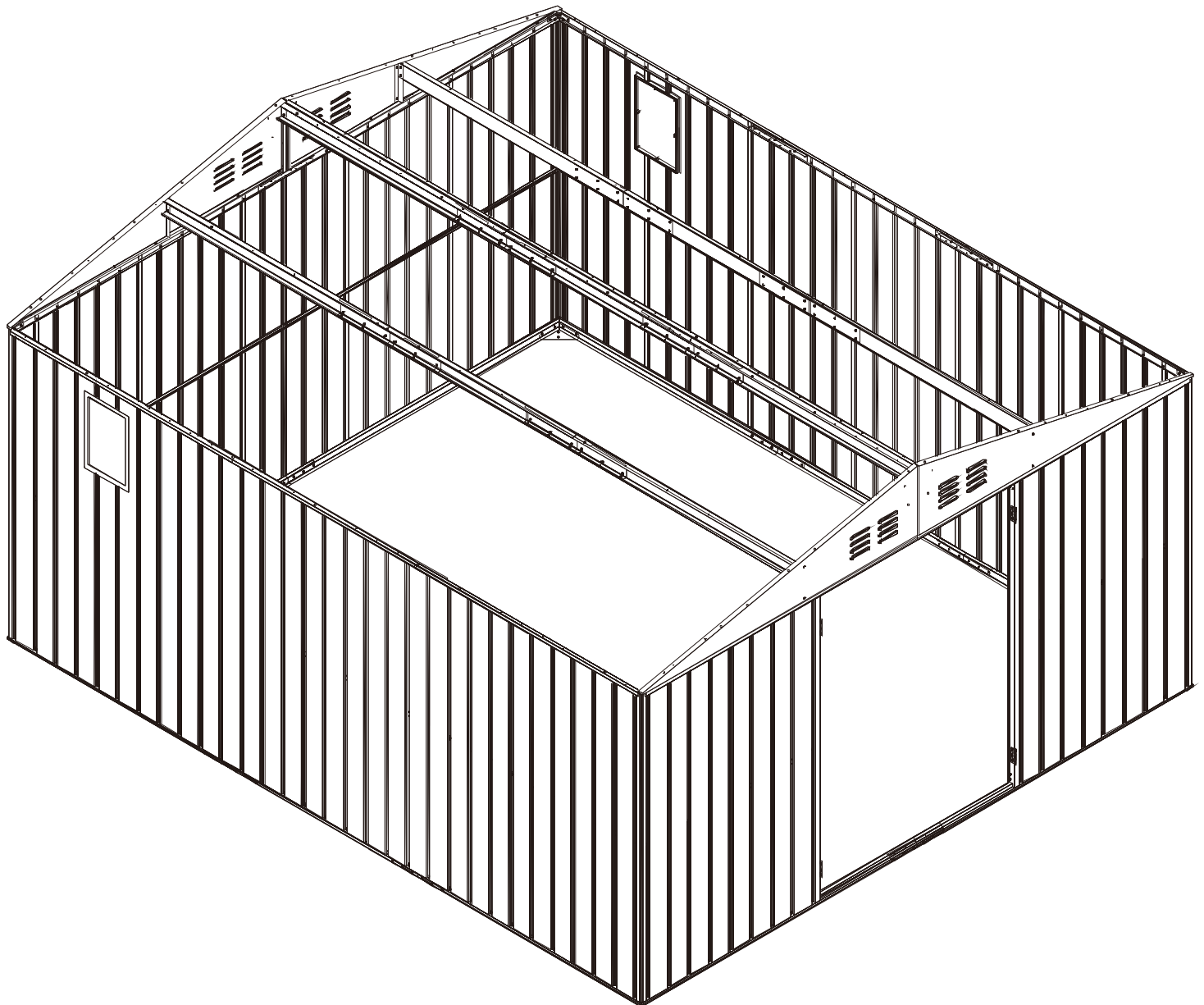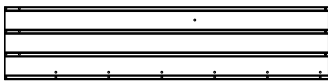
K1(x2)  K2(x2)  G2(x2)  G1(x2)

2# (x24)

Assemble part #G2 to the one side of part #K2 with 6 bolts 2# gaskets and nuts.

G2  2#  2#  2#  2#  2#  2#

K2(x2)

K2

X2

Assemble part #G1 to the one side of part #K1 with 6 bolts 2# gaskets and nuts.

K1

K1(x2)

G1  2#  2#  2#  2#  2#  2#

X2

2#

G1
G2

K1 / K2

Section View

17

⑤

| ✗ | ✓ |

B3  B4          B3  B4
B5 ⬜ B6       B5 ⬜ B6
B9    B9       B9    B9
B6 ⬜ B5       B6 ⬜ B5
B1  B2          B1  B2
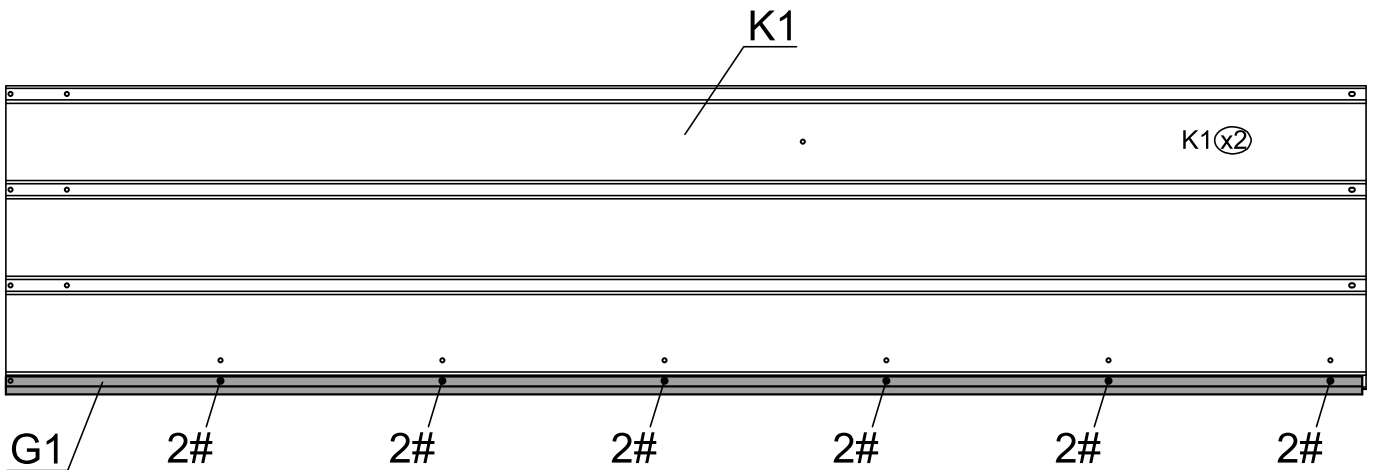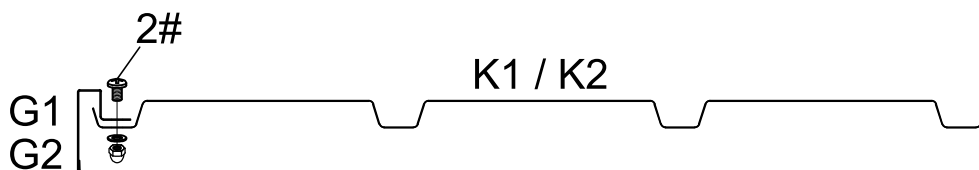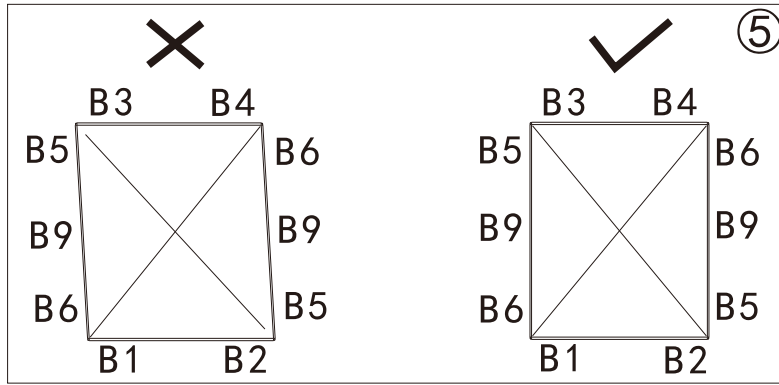
Attention: The top plate can be installed in order or reverse order. If there is a deviation between the top plate and the top frame installation hole, it i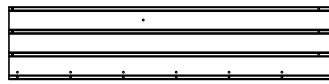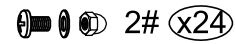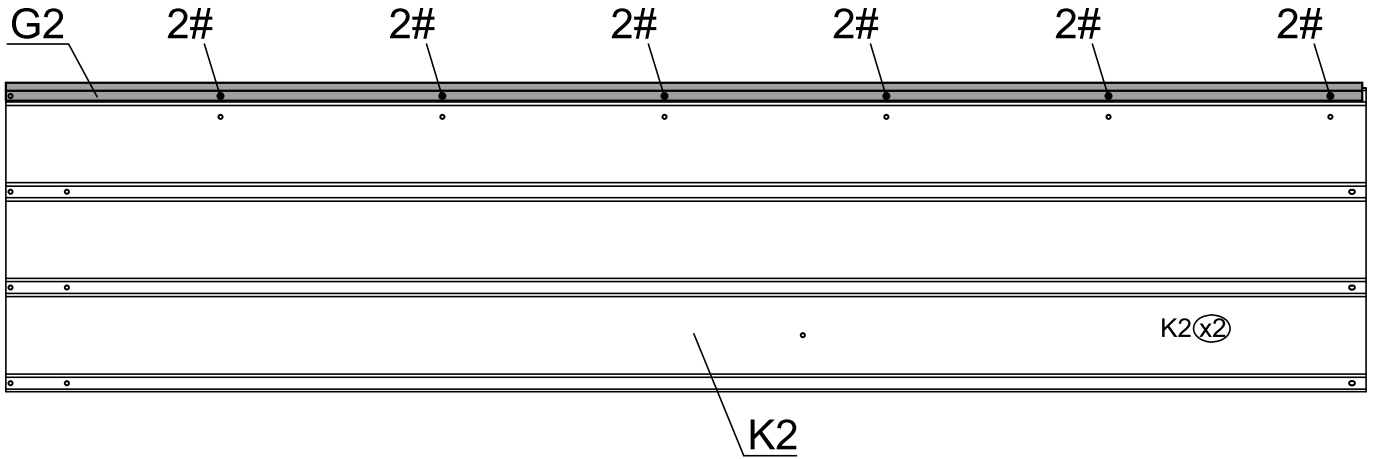s generally caused by the diagonal size deviation of the frame beam. The diagonal distance of the frame beam can be measured and adjusted.
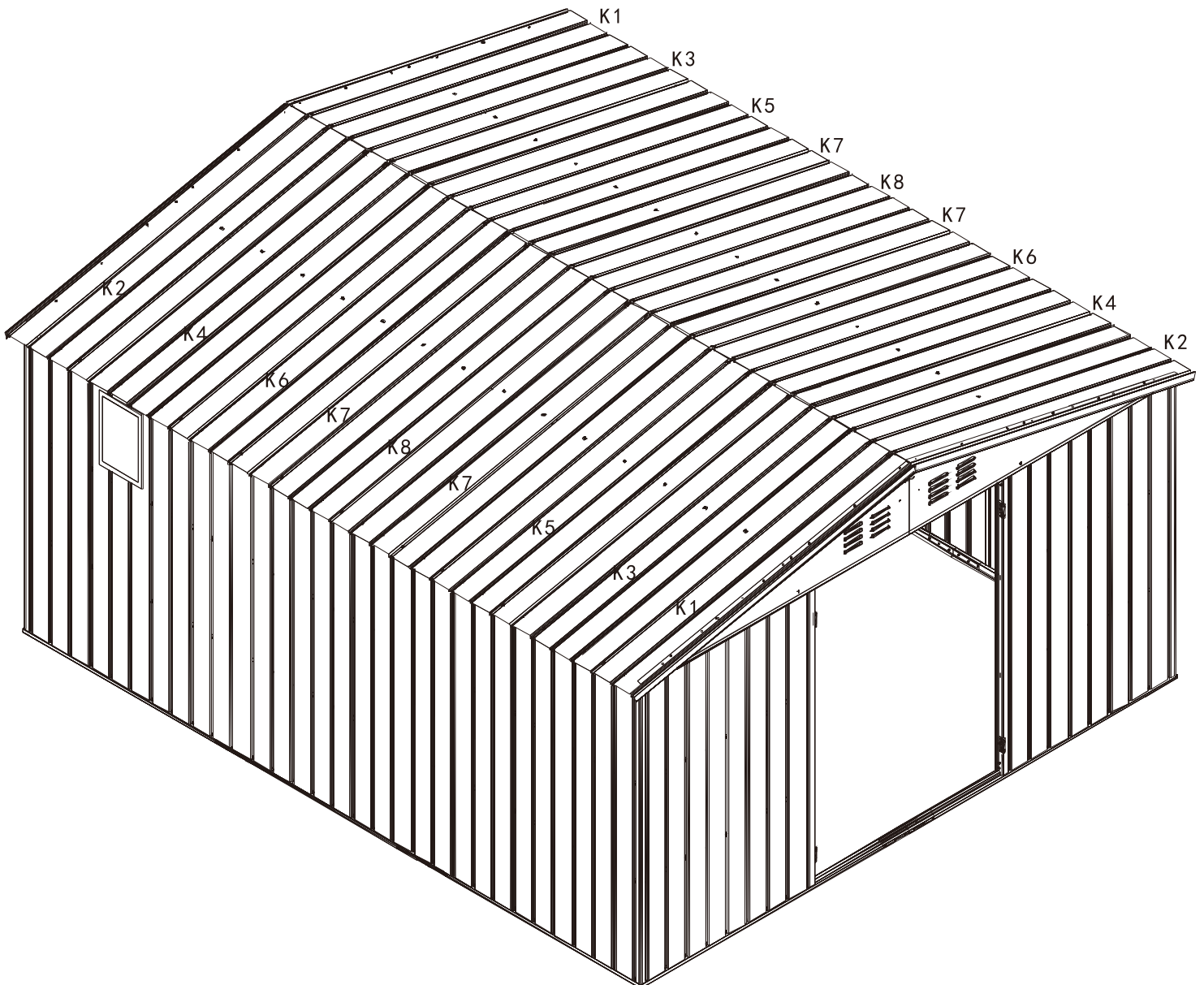
K1
K3
K5
K7
K8
K7
K6
K4
K2
K2
K4
K6
K7
K8
K7
K5
K3
K1

🏠 Please stand inside the shed frame when installing the panels for convenience.

18

Parts bar (top):
K3(x2)  K4(x2)  K5(x2)  K6(x2)  K7(x4)  K8(x2)  Z(x88)  4#(x60)  5#(x28)

K1  K3  K5  K7  K8  K7  K6  K4  K2

① diagram labels:
4#
Z
4#
Z
Plastic Cap
K1/K2/K3/K4
K5/K6/K7/K8
K1/K2/K3/K4
K5/K6/K7/K8
E1/E2/E7

① second diagram:
4#
Z
4#
Z

② diagram:
K1/K2/K3/K4
K5/K6/K7/K8
5#
Z
Plastic Cap
E3/E4/E8
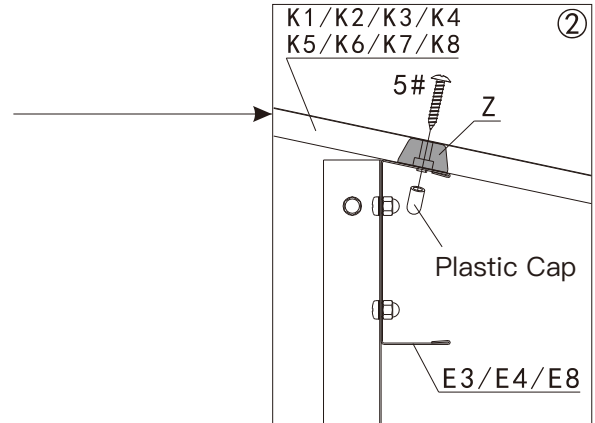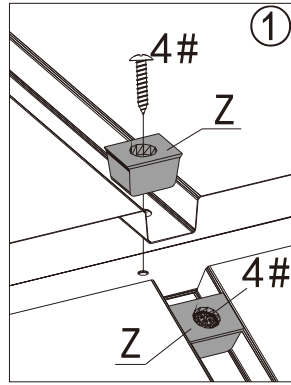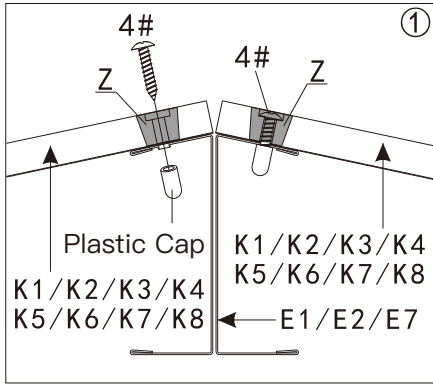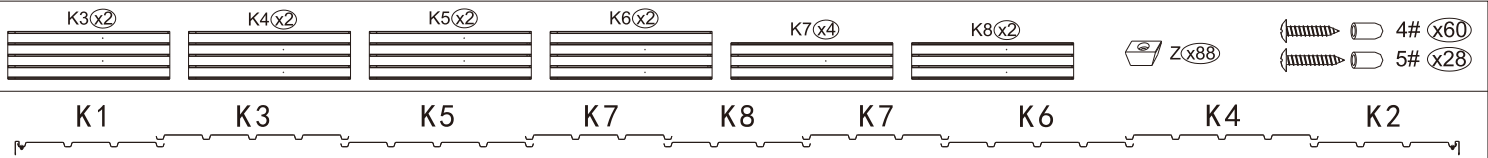
①: Secure the roof panel to the main top beam with self-tapping bolts 4# and part #Z.

②: Part #Z shall be inserted at the gap between roof panels and side top beam, then fix with 28 self-tapping bolts #5 and caps to prevent rainwater intrusion.

② x14
① x30
② x14

K1, K3, K5, K7, K8, K7, K6, K4, K2
K2, K4, K6, K7, K8, K7, K5, K3, K1
D1, D2

19

K1   K3   K5   K7   K8   K7   K6   K4   K2

③

2#

K1/K2

G1
G2
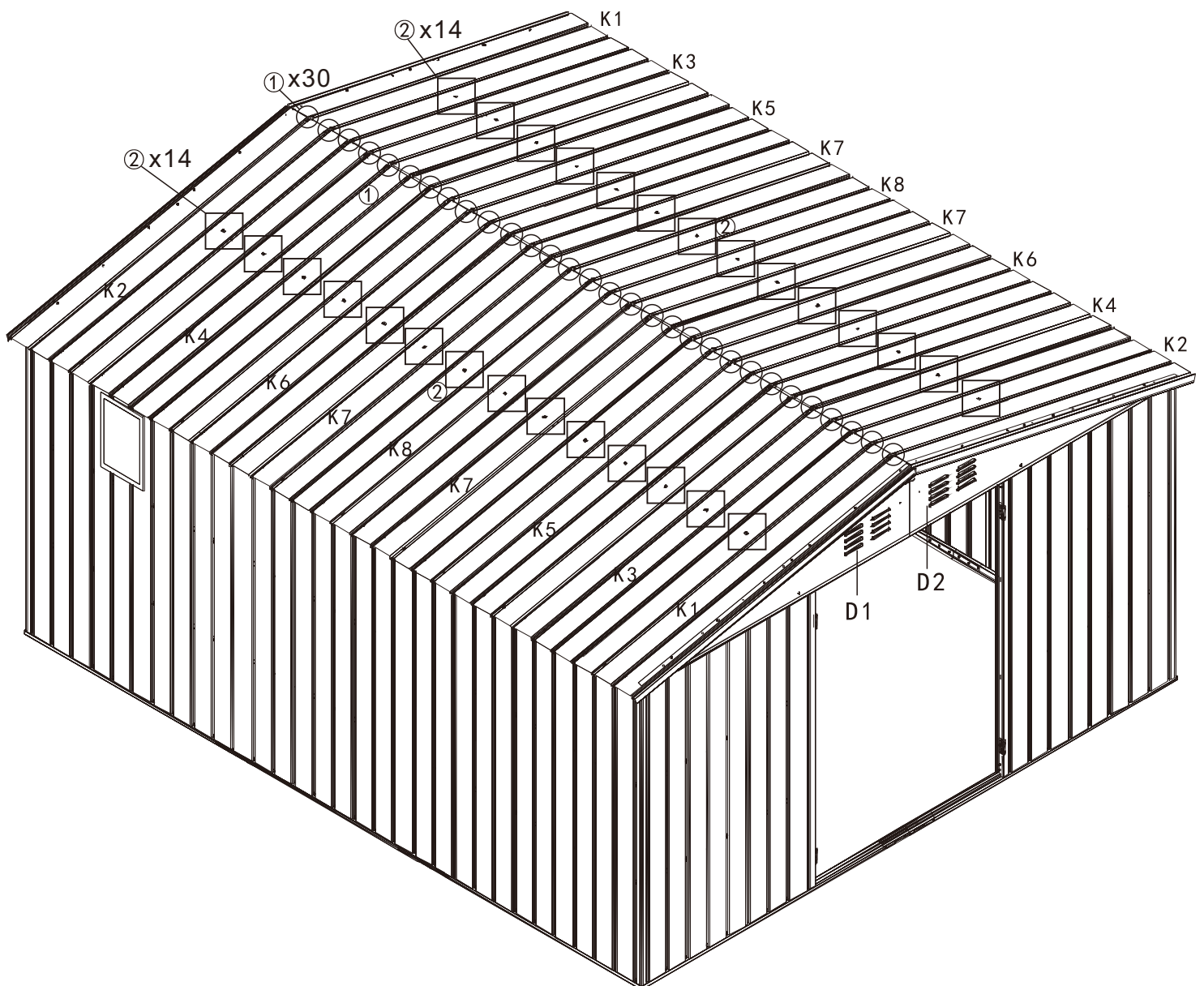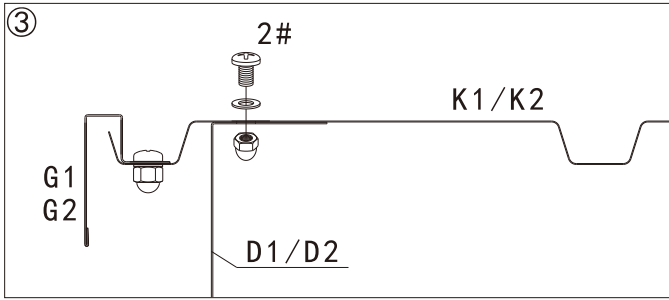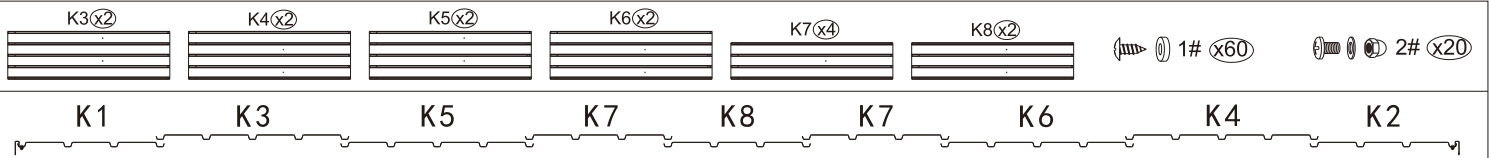
D1/D2

③: The roof panel K1/K2 is fixed with top frame D1/D2 by using 20 bolts 2#, gaskets and nuts.
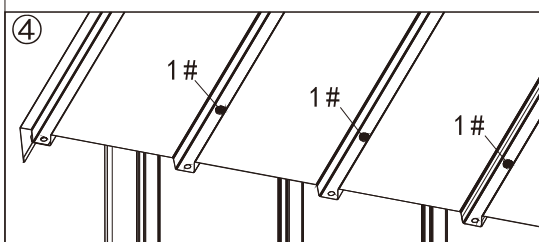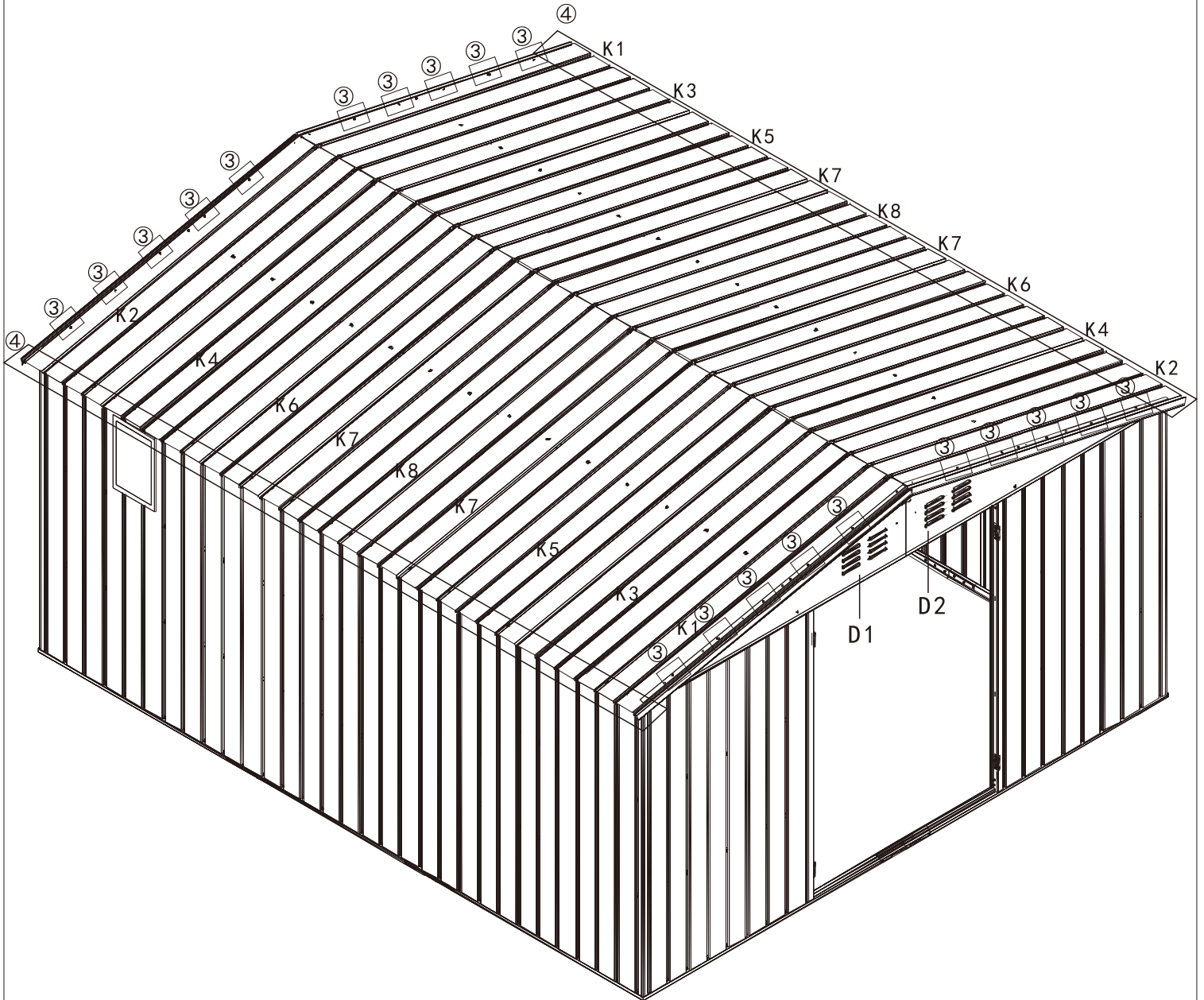


④
③ ③ ③ ③ ③
③
③ ③

K1
K3
K5
K7
K8
K7
K6
K4
K2

④
③
③
③
③
③
K2
K4
K6
K7
K8
K7
K5
K3

③
③
③
③
③
③
③
③
③
③

D1   D2

④

1#
1#
1#

④: The roof panel is fixed to the side top frame (B5,B9,B6) by using 60 self−tapping bolts #1 and gaskets.

20

F (x2)   F2(x2)   3# (x4)

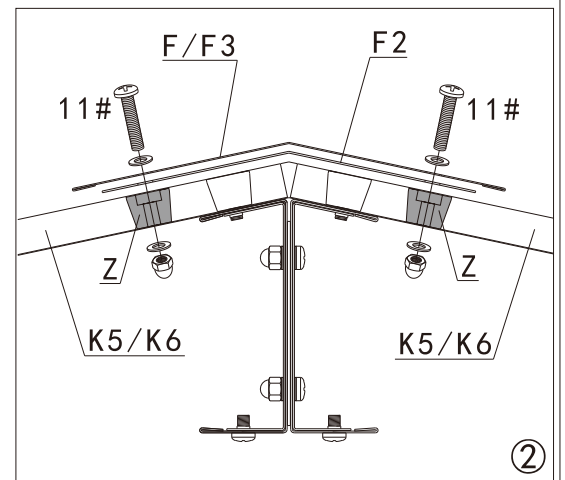F3(x1)   Z(x8)   11# (x8)

① 

F   3#

G1
G2
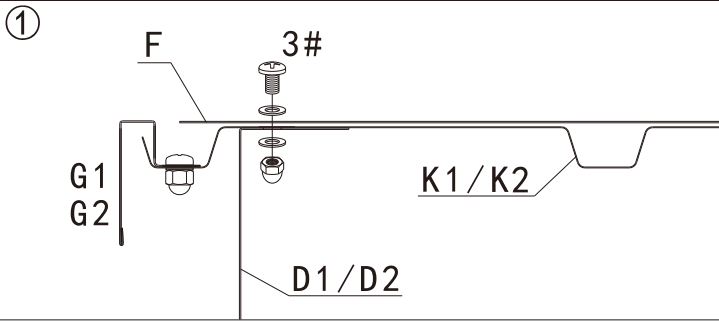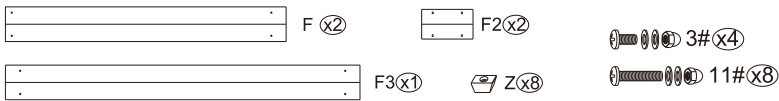
K1 / K2

D1 / D2

①: Use 2 bolts 3#, 4 gaskets and 2 nuts to fix part #F with part #K1/K2 and part #D1/D2.

**Repeat the above procedures to assemble another side.**

F3   F

F   K1   K5

K2

K6

②

K6

②

K5

K2

K5

①

K1
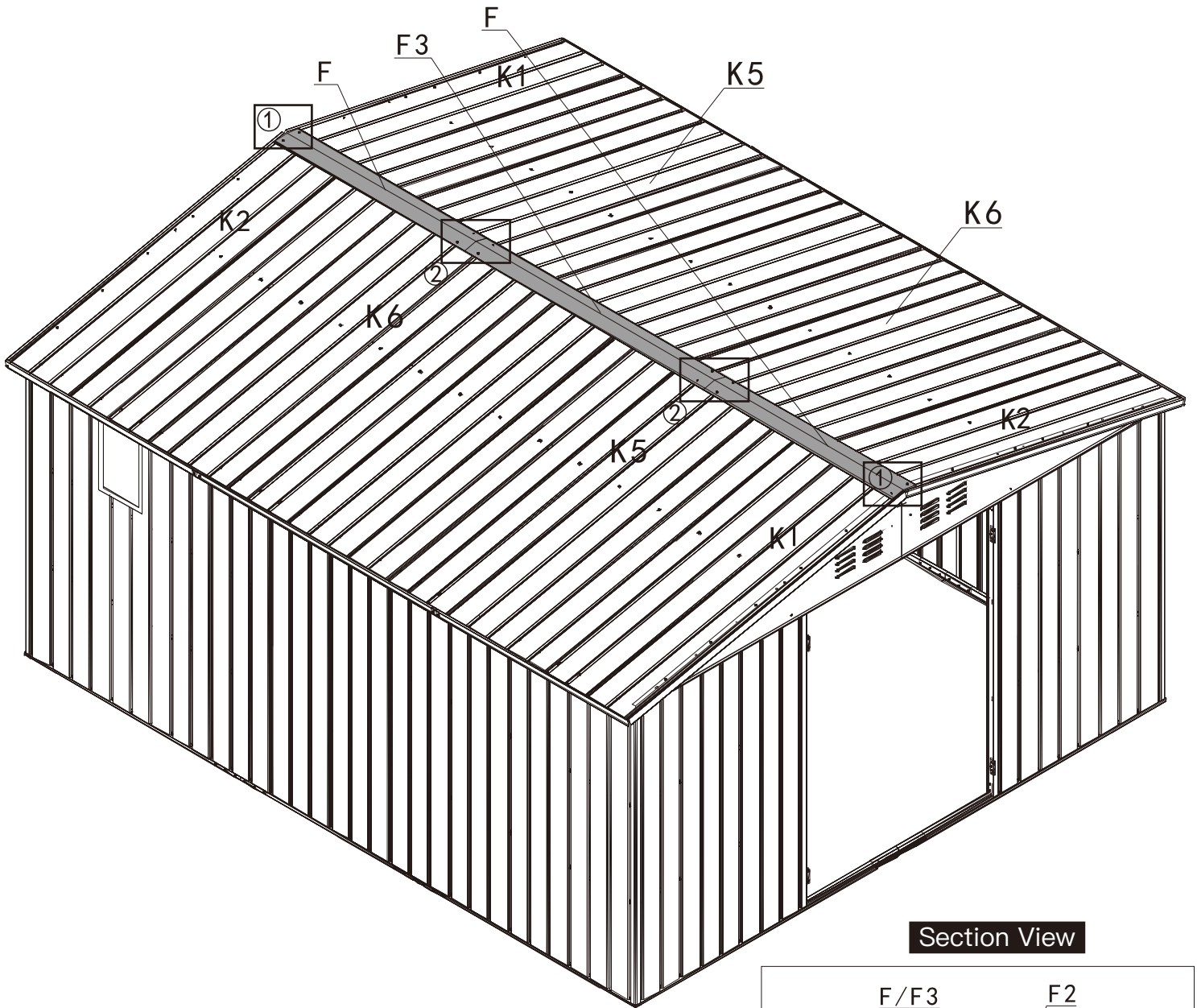
②: Insert part #Z into the roof panel groove, use 4 bolts 11#, 8 gaskets and 4 nuts to fix part #F2 and part #F/#F3 to the roof top. (part #F/#F3 should cover on part#F2).
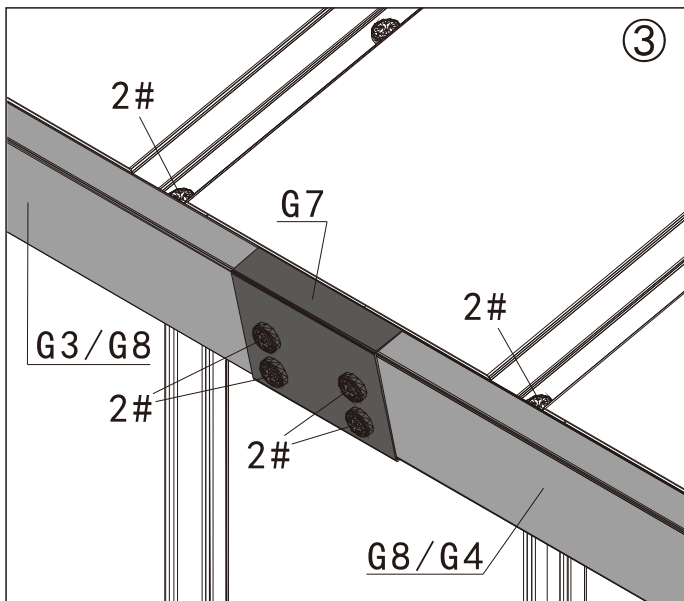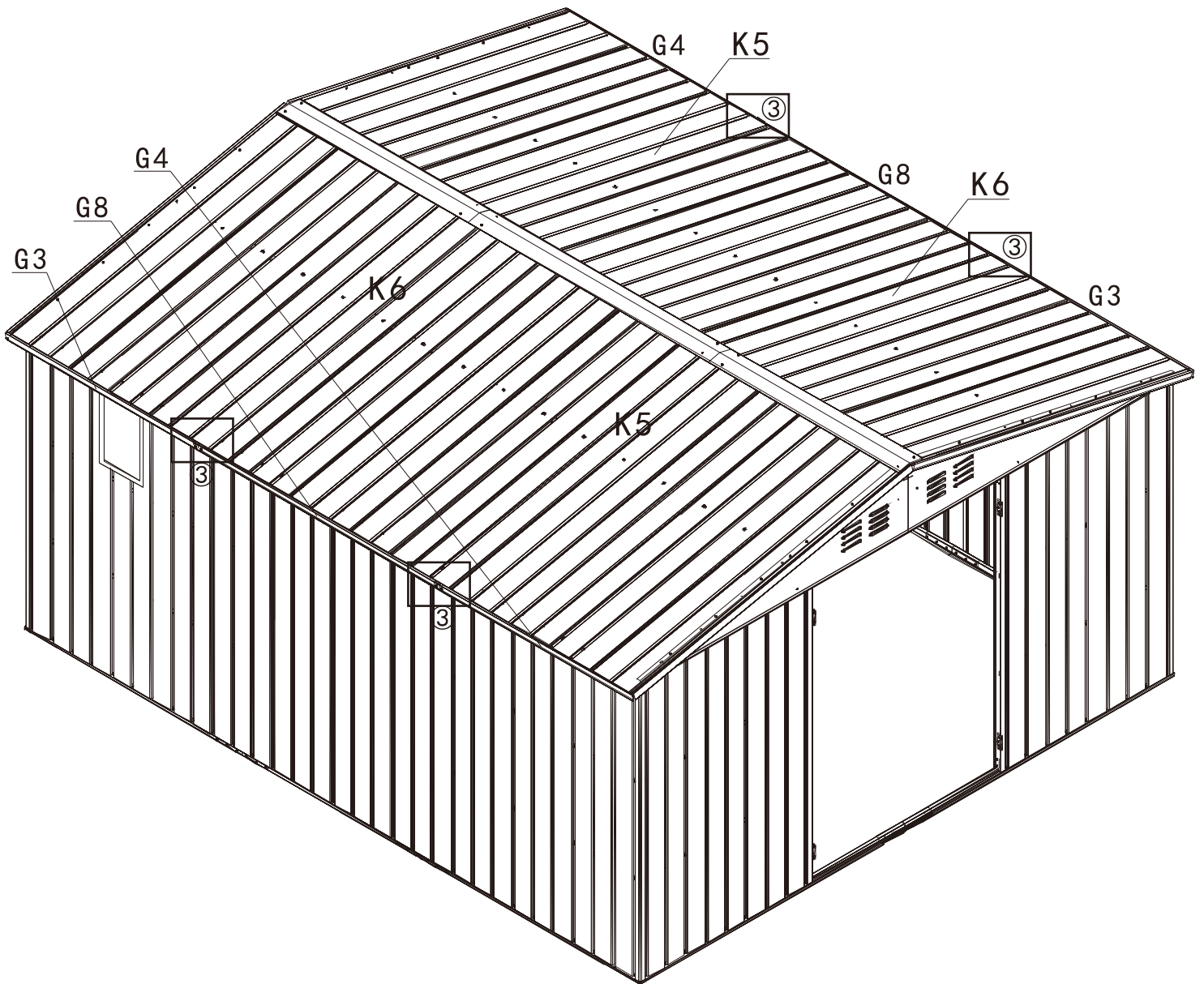
**Section View**

F / F3   F2

11#   11#

Z   Z

K5 / K6   K5 / K6

21

②

G4    K5

③

G4

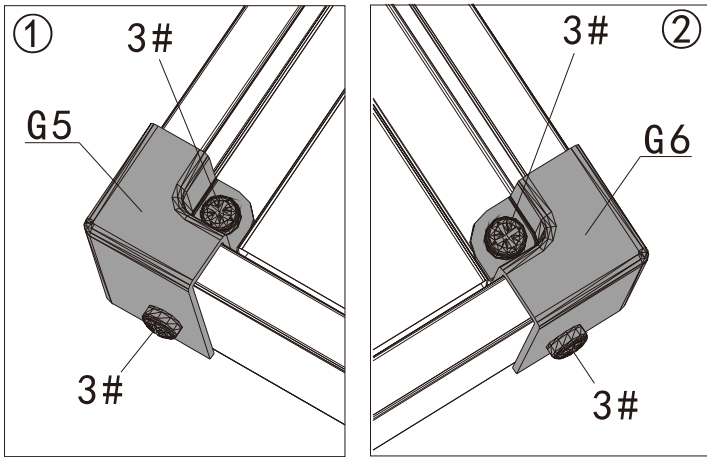G8    G8    K6    ③

G3

K6    G3

K5

③

③

③

③:

Step.1:Use 30 bolts 2# gaskets and nuts to fix part #G3,#G8 and #G4 on the cornice of roof panel.

Step.2:Use 8 bolts 2#,gaskets and nuts to cover part #G7 on the connection of part #G3 & #G8/ part #G8 &#G4.

**Repeat the above producers to assemble another side.**

2#

G7

2#

G3/G8

2#

2#

G8/G4

| F1 ⊗2 | G5 ⊗2 | G6 ⊗2 | 3# ⊗8 | 7# ⊗8 |
|-------|-------|-------|-------|-------|

①/②: Install part #G5/G6 to 4 corners of the roof, fix with 8 bolts #3, 16 gaskets and 8 nuts.

③: Use 4 bolts 7# to install part #F1 from inside.
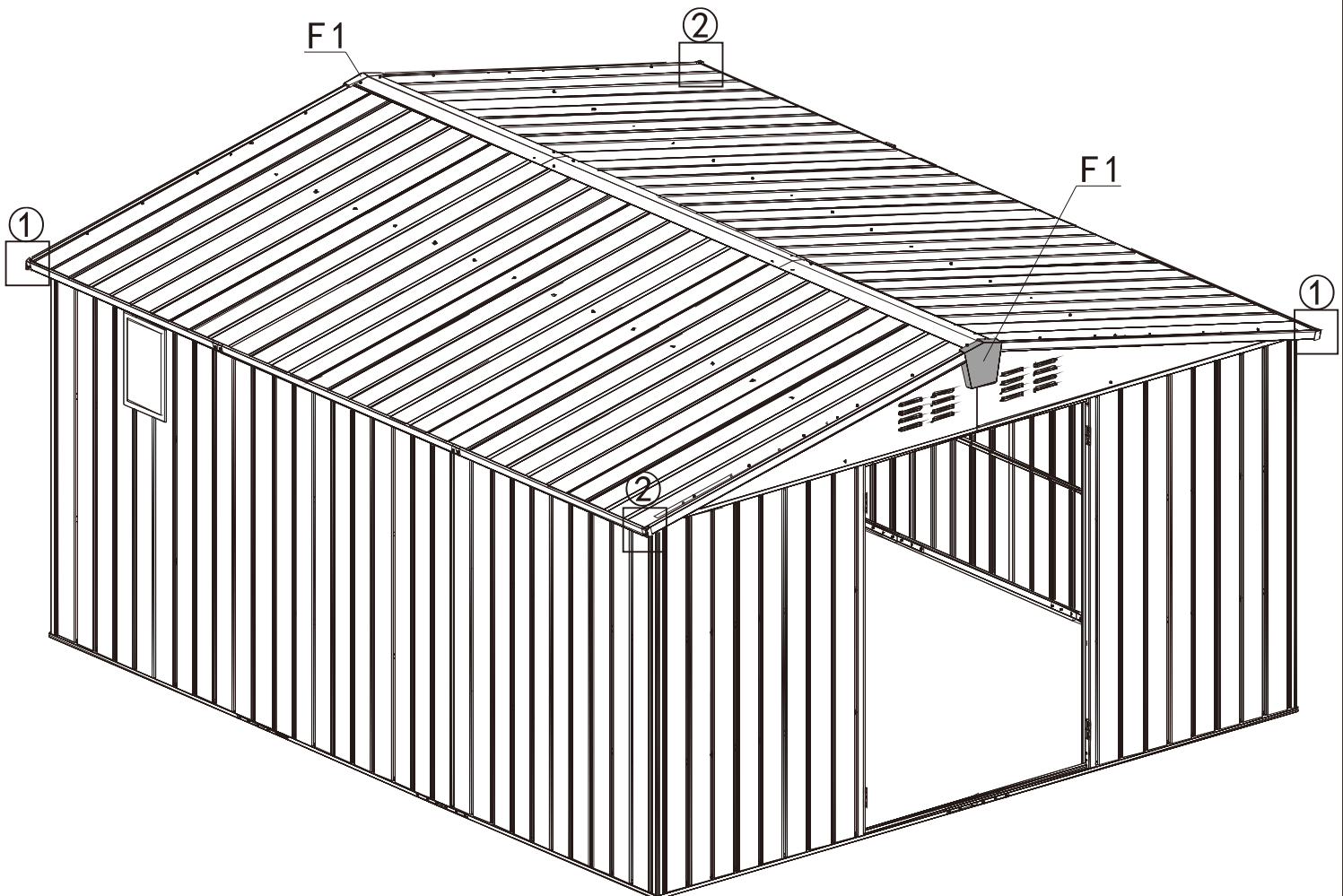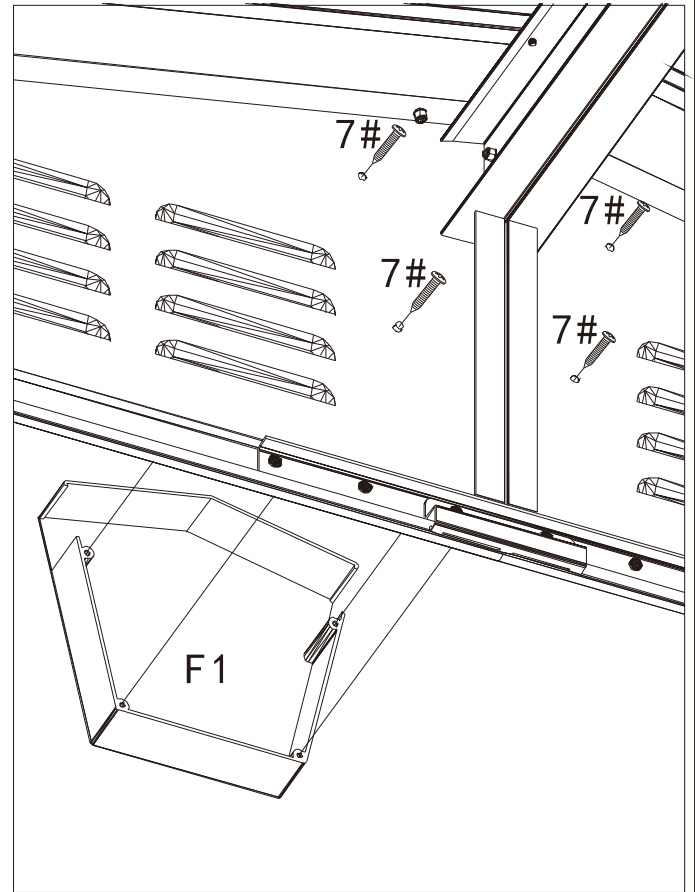
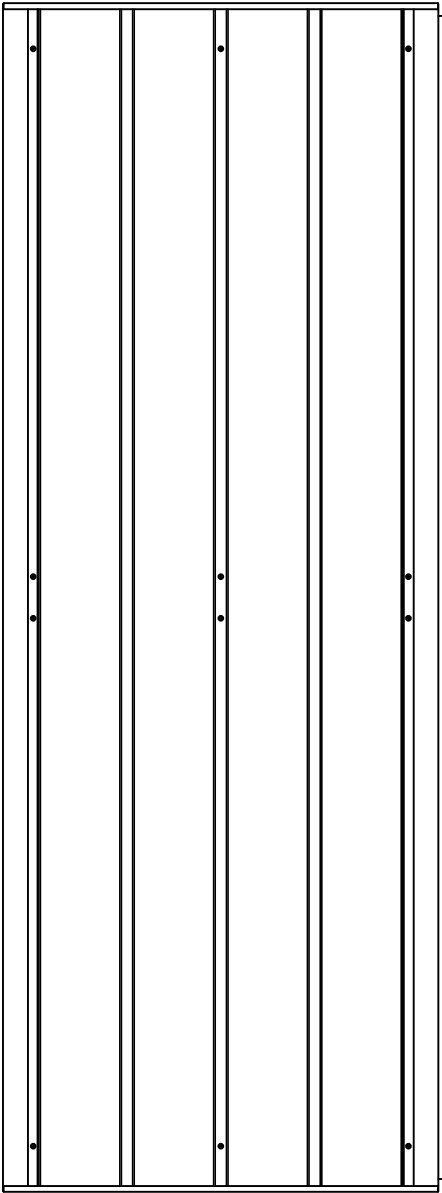**Repeat the above procedure to assemble another side.**

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# Part 3

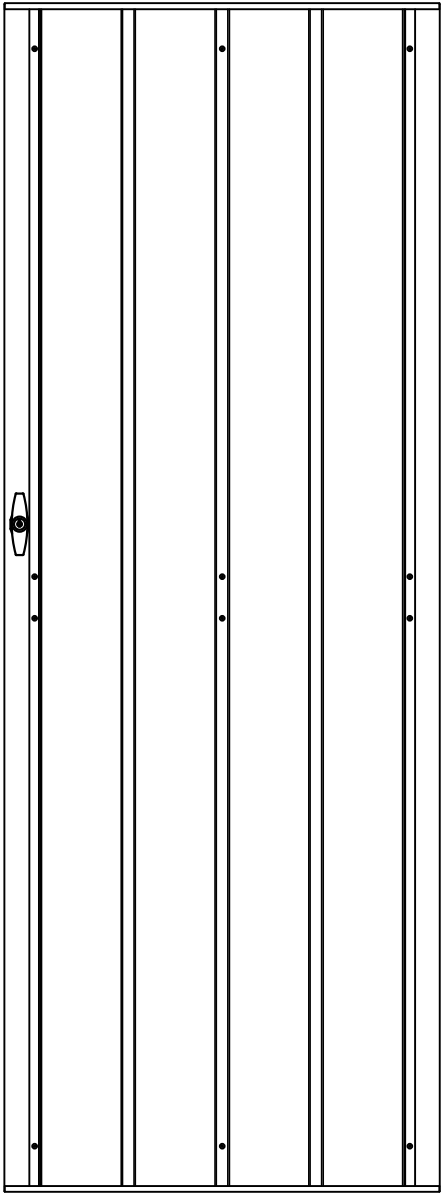| | | | | |
|---|---|---|---|---|
| 🔩 | ⊙ | ⬡ | M4x6 | 2# (x24) |
| 🔩 | ⊙ | ⬡ | M4x8 | 8# (x8) |
| 🔩 | | | M4x8 | 10# (x24) |

## Door Assembly

M-1

M-2

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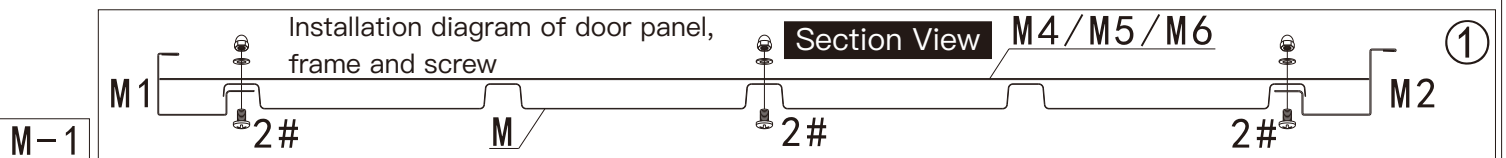
M4
2#  2#  2#
M1  M  M2
2#  2#  2#
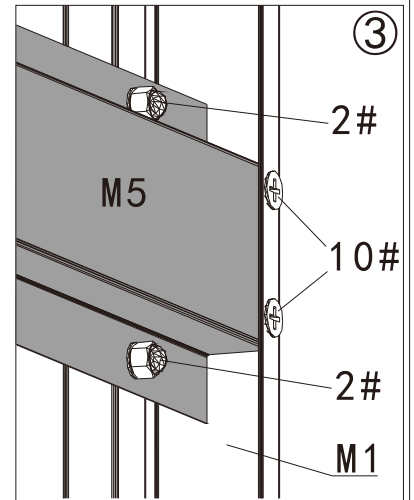
10#
M2
M4

②
M4
M2  M  M1

M5
③

2#
10#
M2
M5
2#

10M
M2
M6

2#
M6

2#
M6
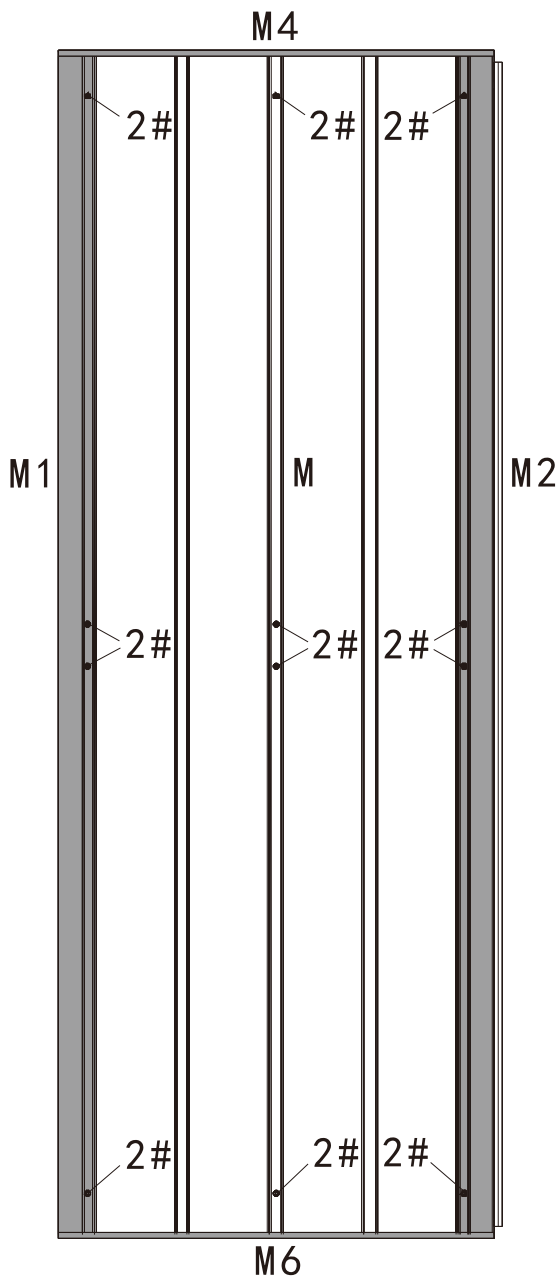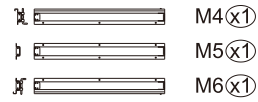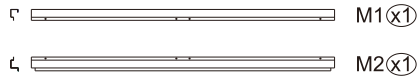
The front side of left door
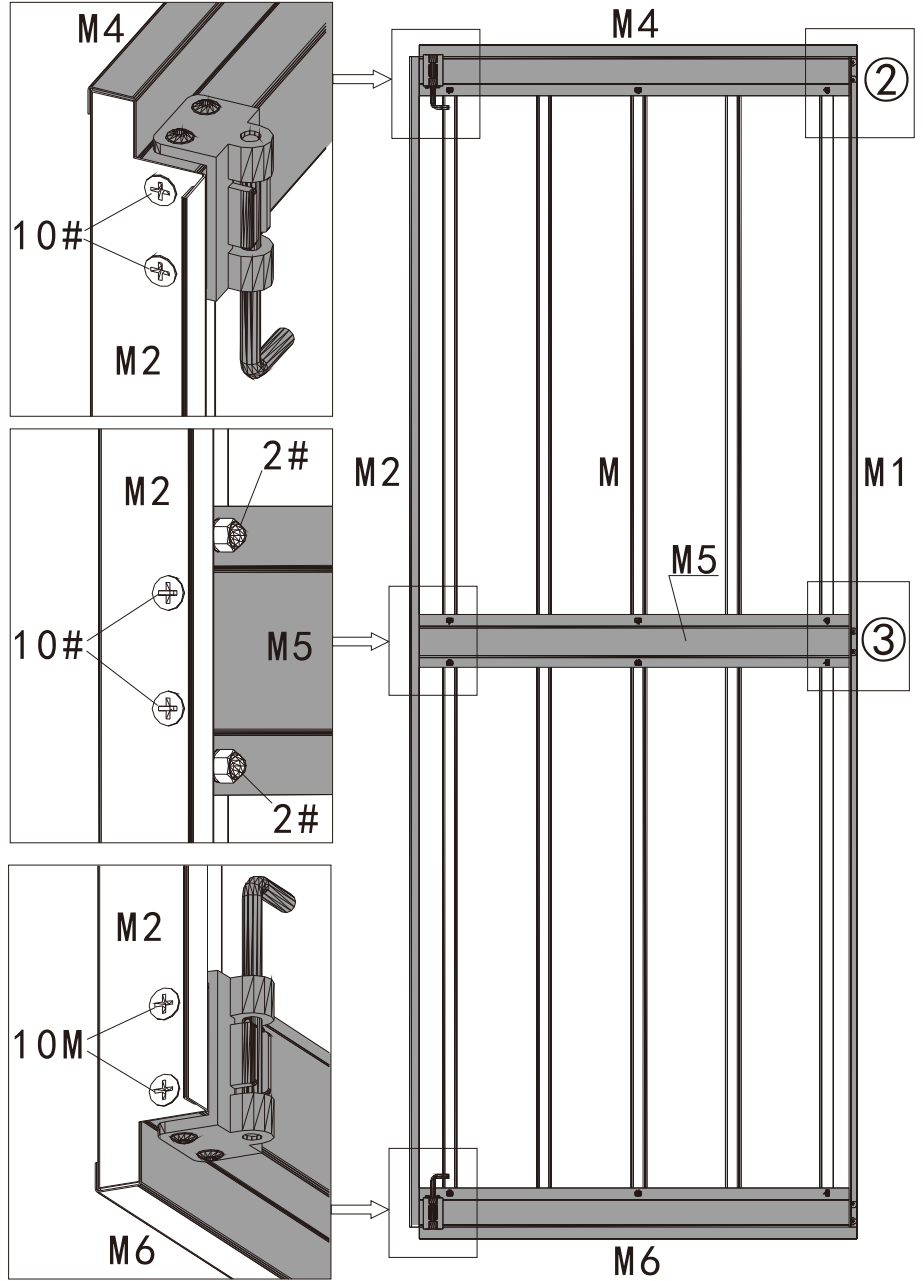
The back side of left door

M4
M
M1
M1

②
2#
M4
M1
M

③
2#
M5
10#
2#
M1

Installation diagram of door panel, frame and screw
M4／M5／M6
Section View
①
M1  M  M2
2#  M  2#  2#
M－1

M ⊗1

M1 ⊗1
M3 ⊗1
M7 ⊗2        M8 ⊗1

M9 ⊗1    M10 ⊗1    2# ⊗12
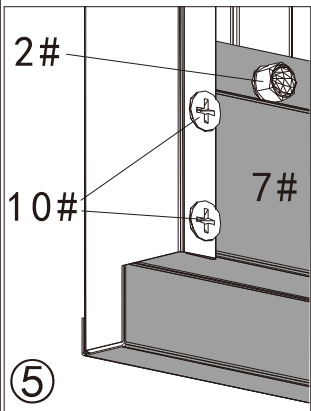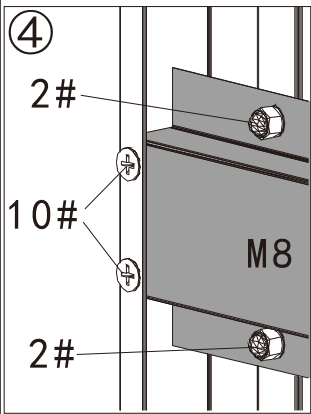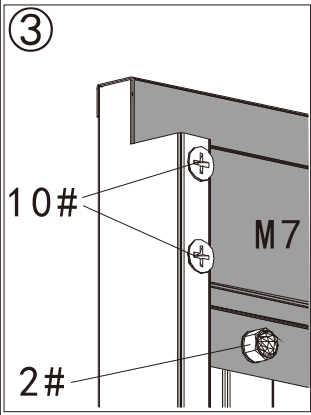                    10# ⊗12

③
10#
M7
2#

④
2#
10#
M8
2#

⑤
2#
10#
7#

③ M7 ③
M7

④ M M9
M8
④

⑤ M7 ⑤

M1          M3
M1

M3          M1

2#    2#    2#
M9
2#    2#    2#
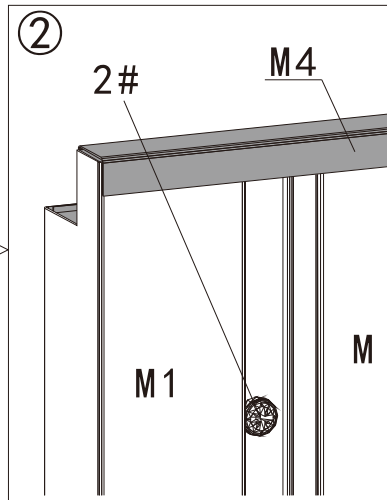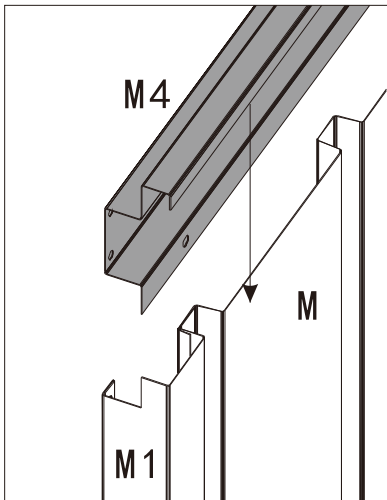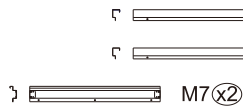
2#    2#    2#
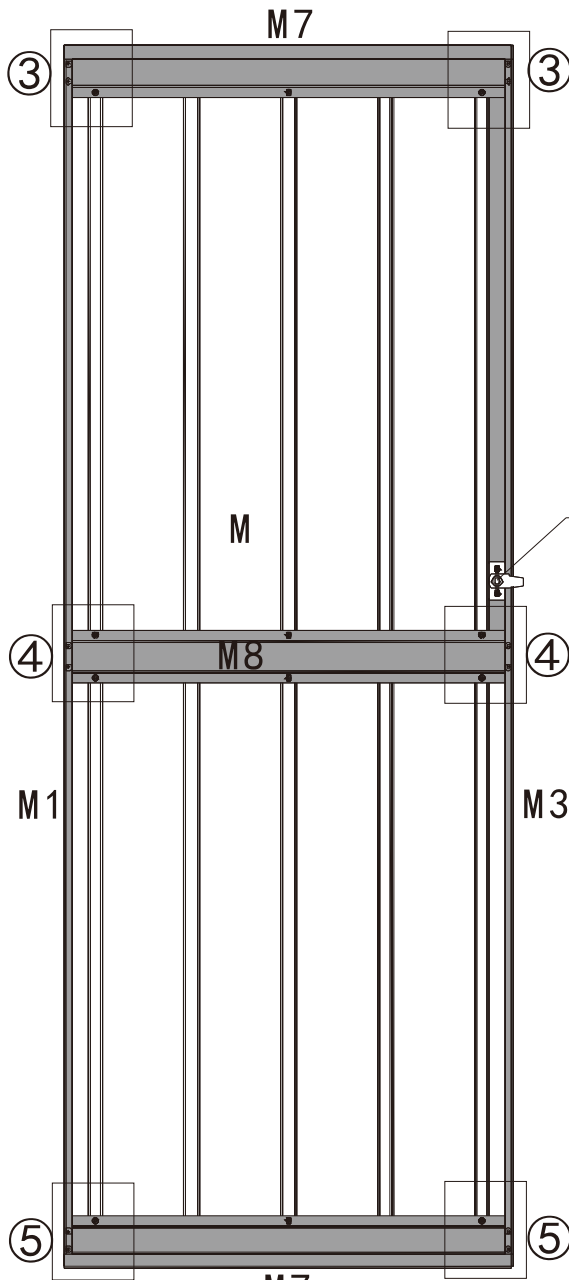
The back side of right door        The front side of right door
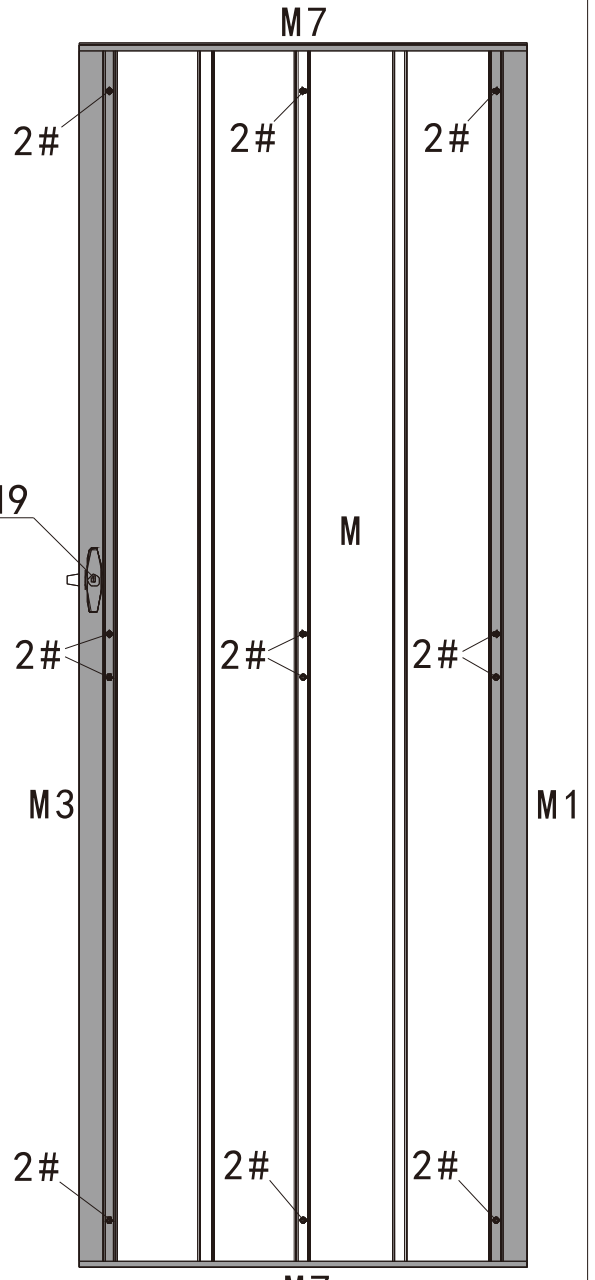
②
M7        M

M1
M3

M10

⑥
M9

①
M7/M8    Section View
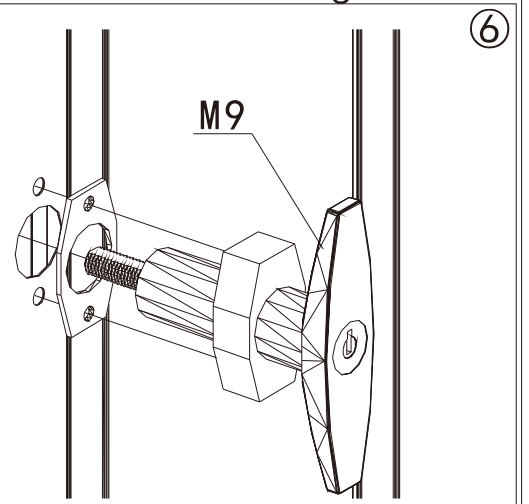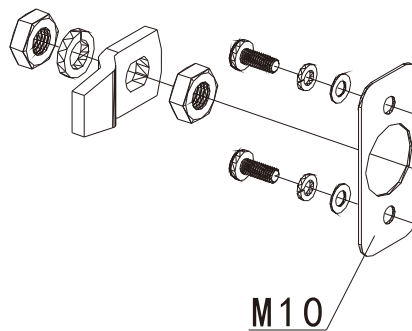Installation diagram of door panel,
frame and screw

M3                                    M1
M-2    2#        M        2#        2#
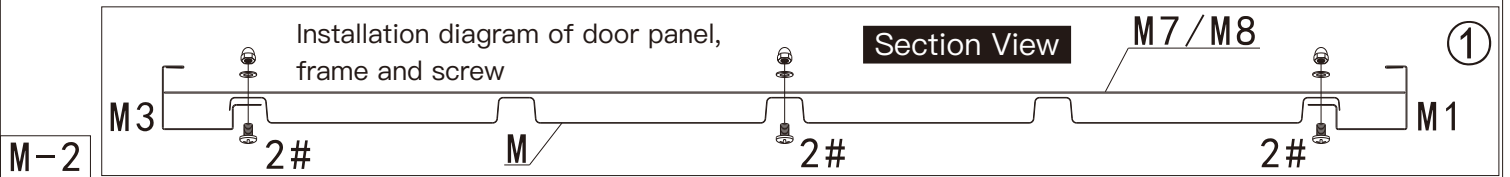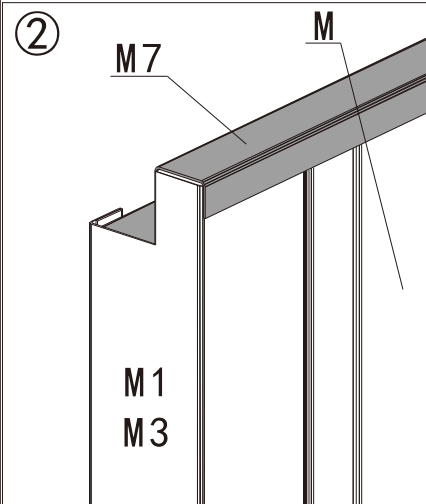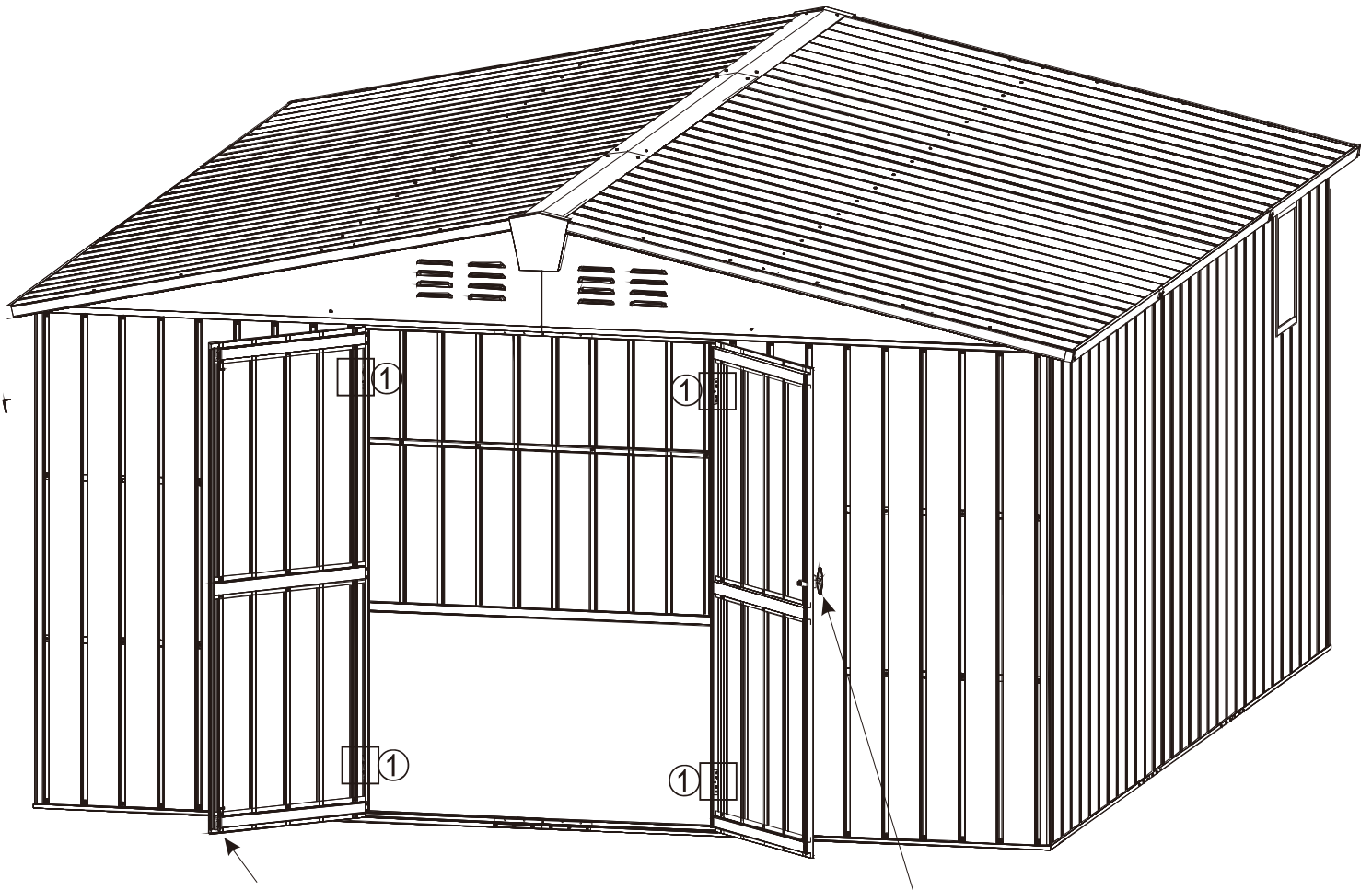
There is a latch on the left door

① :
This section is need to installed by the user.

Lining board #Y is on the inside of the door frame.
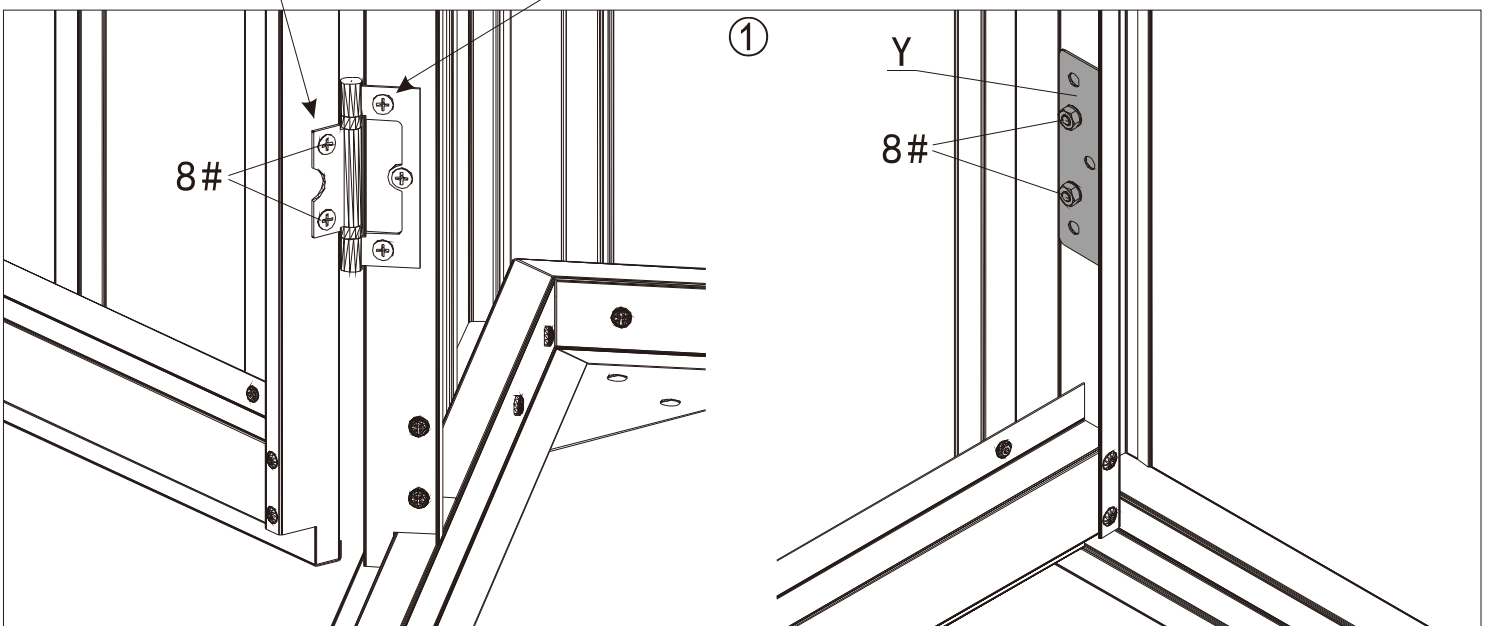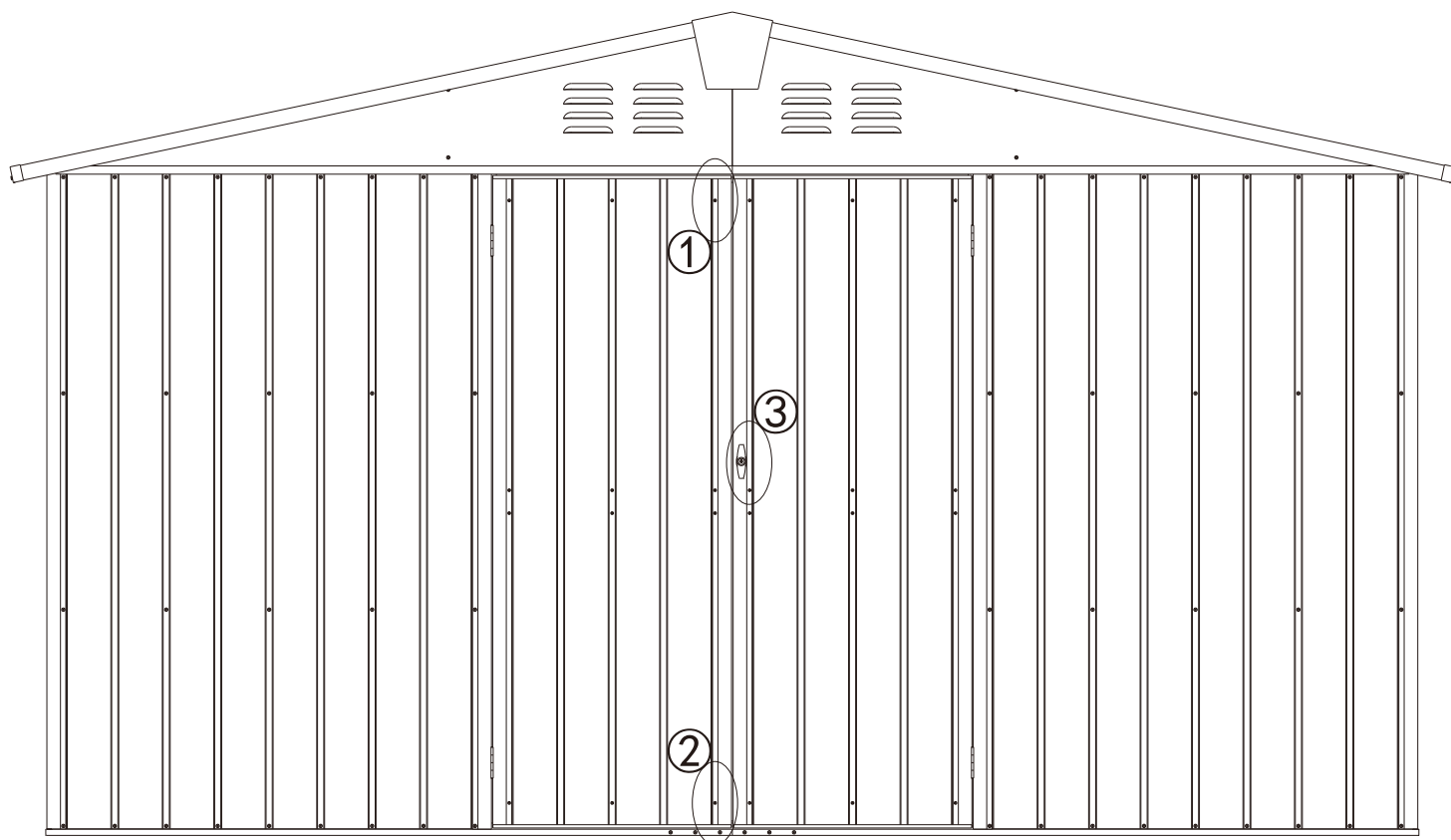
The hinge has been pre−installed on the door frame C1/C2 by our factory.

There is a handle on the right door

①/②: Insert the latch and lock the left door.

③:

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.