

ENTERPRISE PRODUCT

# INSTALLATION INSTRUCTIONS

LET' S GO



2023.09.2

3

# TOOLS FOR INSTALLATION



ELECTRIC DRILL



17&19 SLEEVE



HAMMER

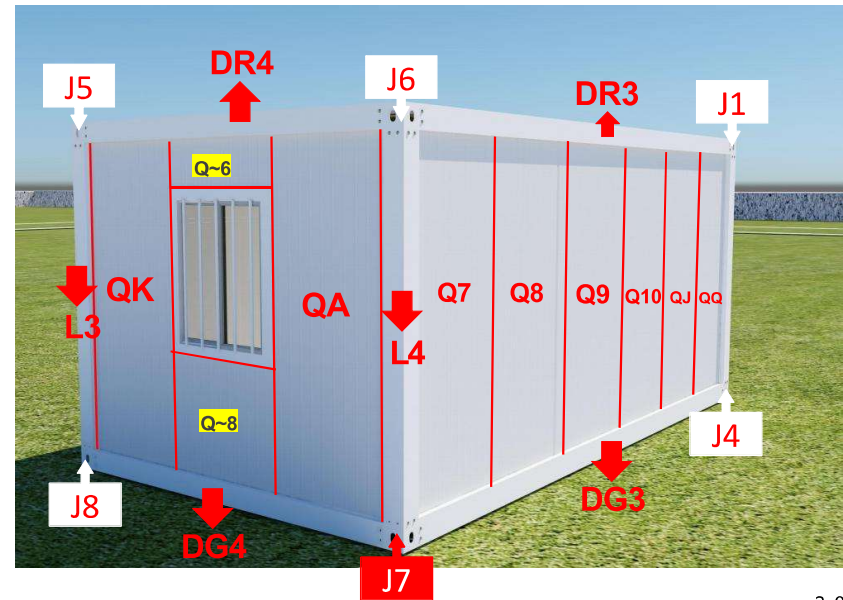
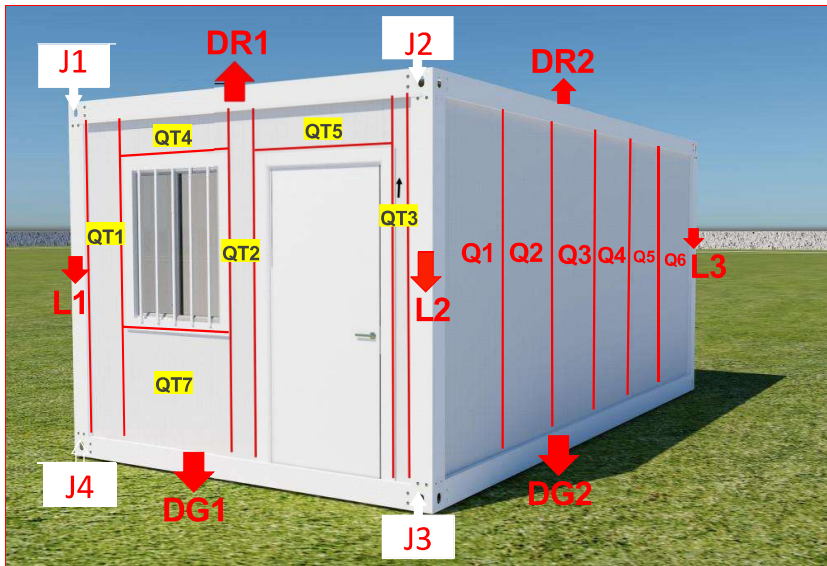


HORIZONTAL RULE

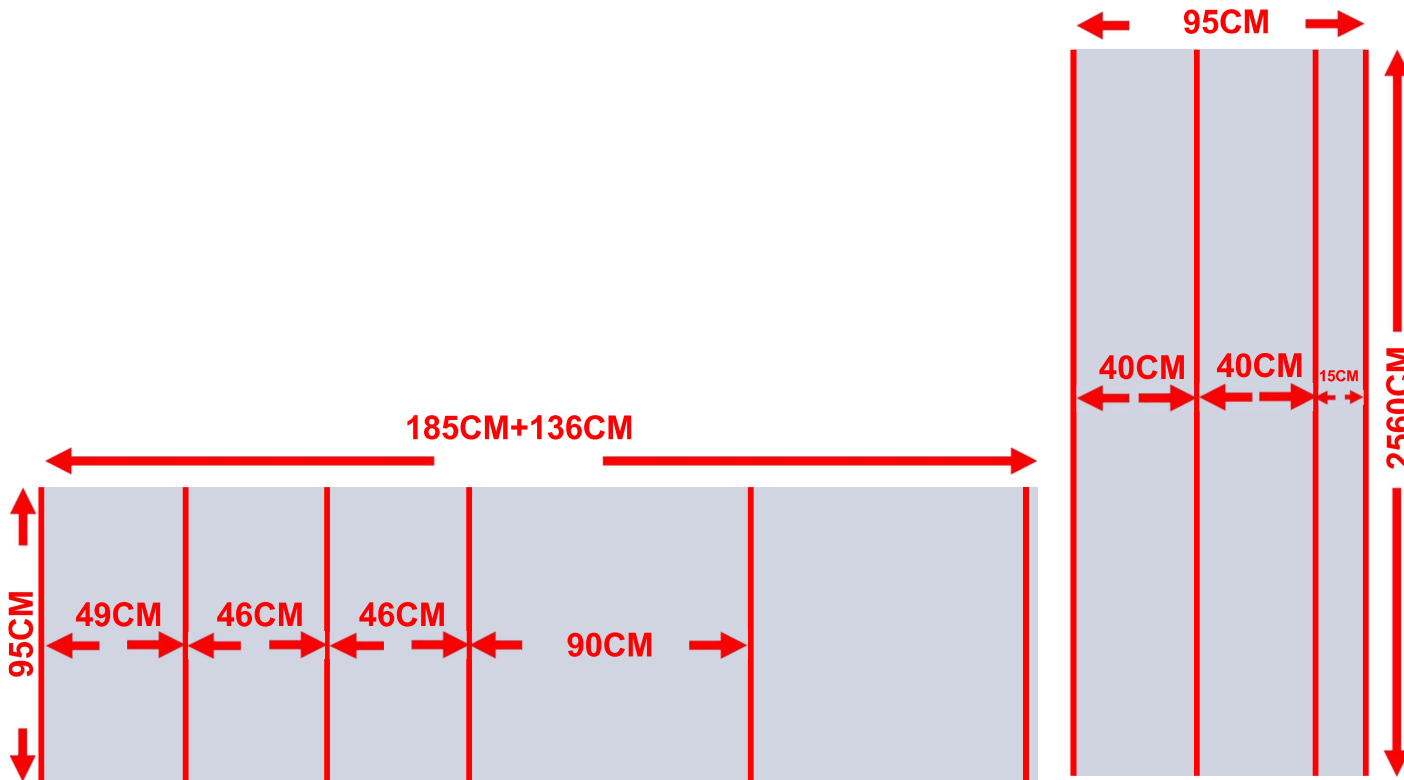


GLUE GUN

# COMPONENT LABEL REFERENCE DIAGRAM



# CUTTING OF WALL PANELS



## Wallboard segmentation

There are 15pcs standard wall panels (256\*95), of which 14pcs are integral wall panels and 1 is used as material boards for cutting and reserve

Material wallboard (322\*95), cut according to the specifications shown in the drawing for reserve

Wall panels specification(cm)	Quantity
327*95	1
256*95	15

# INTRODUCTION OF MAIN COMPONENT PARTITIONING

1

## Installation Tip 1

Read the installation instructions carefully before installation to prevent inconvenience caused by installation errors.

2

## Installation Tip 2

Align the screws required for the corresponding STEP on each page before mounting.



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01

**INSTALLATION  
OF FRAME**

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**INSTALLATION  
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**INSTALLATION  
OF ROOF**

04

**INTERNAL  
SEALING SIDE**

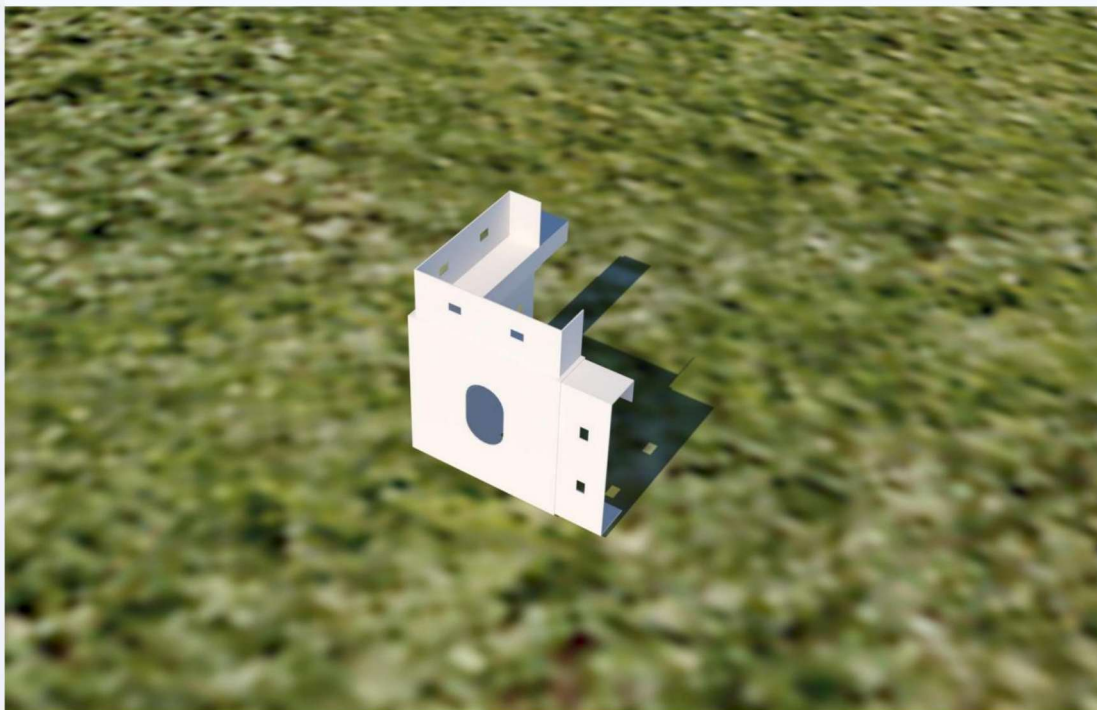


01

INSTALLATION OF FRAME

2 0 2 3





FIRST STEP

LOOKING FOR SITES

Find a clear and level ground

SECOND STEP

PLACE THE CORNER FITTING PROPERLY

On a flat , open level floor, place the corner fitting





**FIRST STEP**

**SHORT BOTTOM BEAM**

Place the short bottom beam , align the interface of the corner fitting

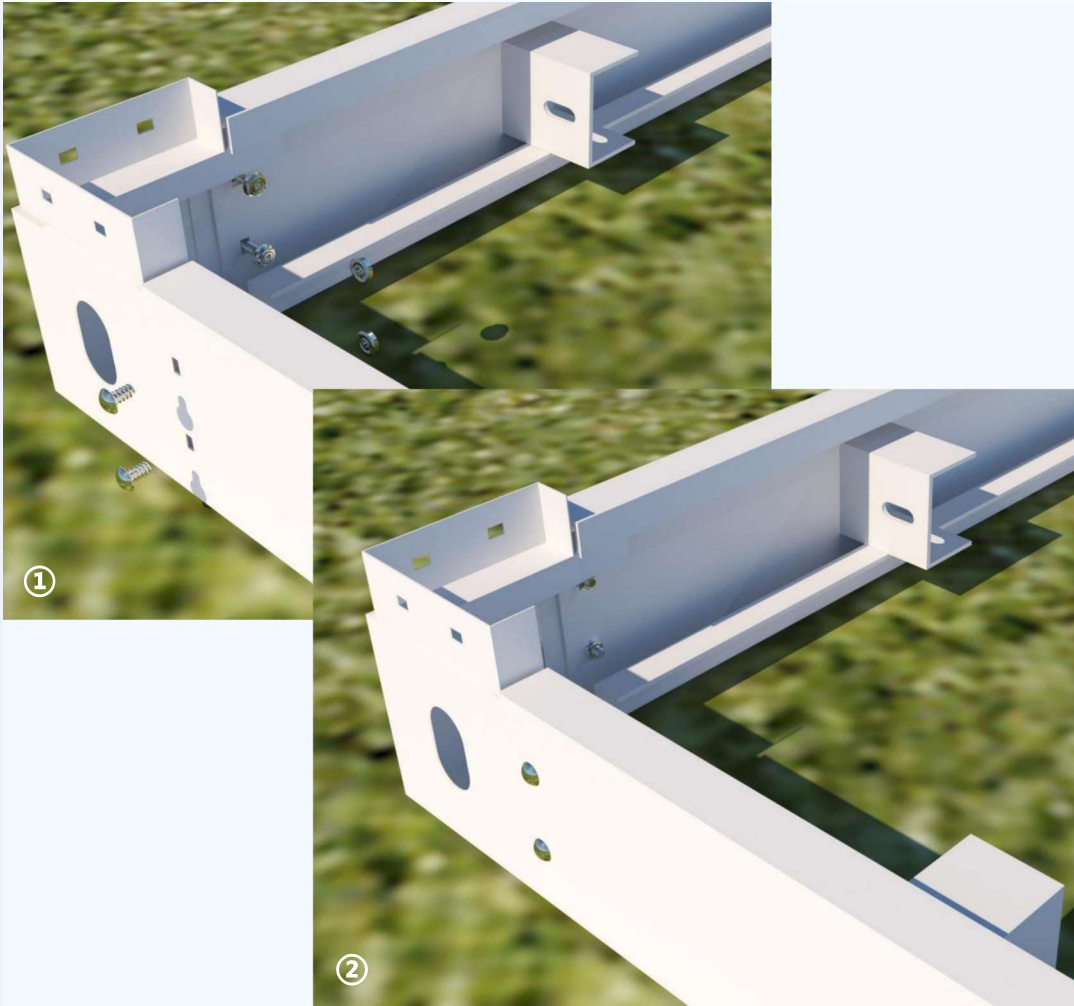
**SECOND STEP**

**SPLICING OF SHORT BOTTOM BEAM**

Find the orientation as shown in the picture and join the corner fitting with the short bottom beam



**Carriage screws** are used for this step



**FIRST STEP**

**ALIGNMENT INTERFACE**

Align the hole position after stitching the short bottom beam and corner fitting as shown in the picture

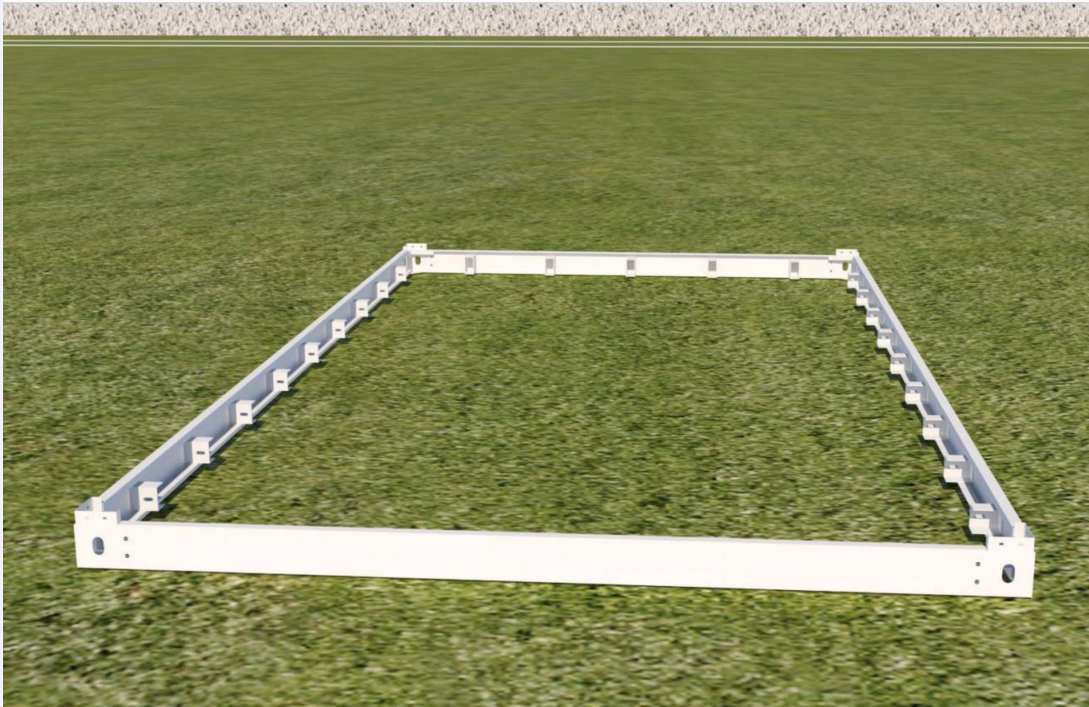
**SECOND STEP**

**TIGHTEN THE SCREWS**

Thread the carriage screws into the aligned holes and tighten the nuts (**do not tighten them**) to prevent them from falling off



**Carriage screws** are used for this step



#### FIRST STEP

##### SPLICE AND ALIGN

Repeat the previous step, splicing the long bottom beam and the short bottom beam through the corner fitting into the shape as shown in the figure, the bottom splicing installation is complete

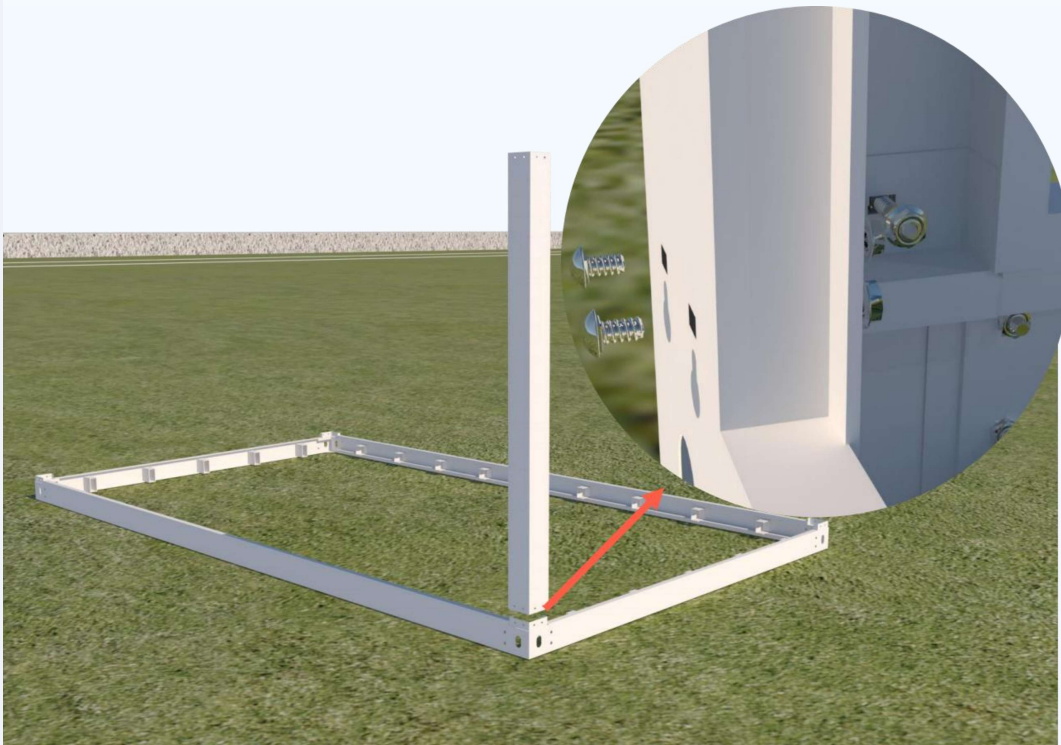
#### SECOND STEP

##### TIGHTEN THE SCREWS

Thread the carriage screws into the aligned holes, then tighten the nut to prevent falling off, measure the diagonal distance to ensure the bottom frame is rectangular, and tighten the carriage screws (make sure the diagonal lengths are consistent).



Carriage screws are used for this step



**FIRST STEP**

**SPLICE AND ALIGN**

Stand the column as shown in the picture, align the raised hole on the corner fitting for stitching

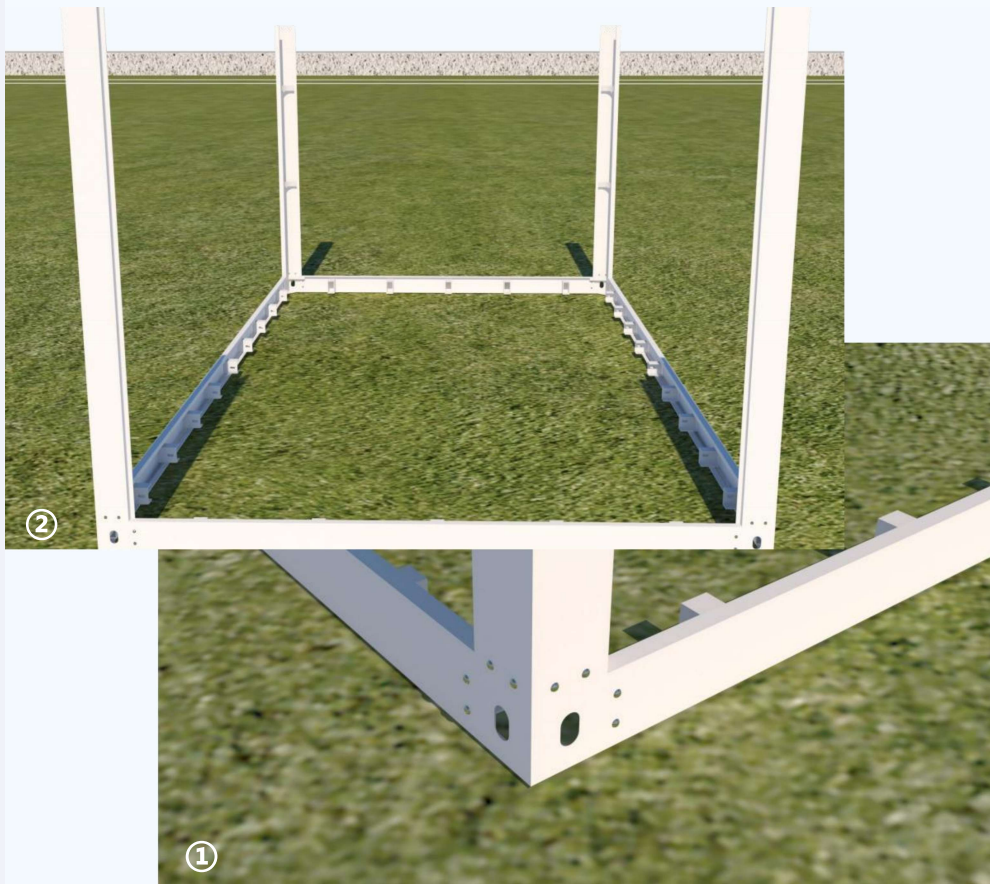
**SECOND STEP**

**TIGHTEN THE SCREWS**

As shown in detail, thread the carriage screws into the aligned holes, then screw the nuts on (do not tighten them) to prevent them from falling off



**Carriage screws** are used for this step



**FIRST STEP**

**COLUMN SPLICING**

Splice the column into the appearance as shown in the picture

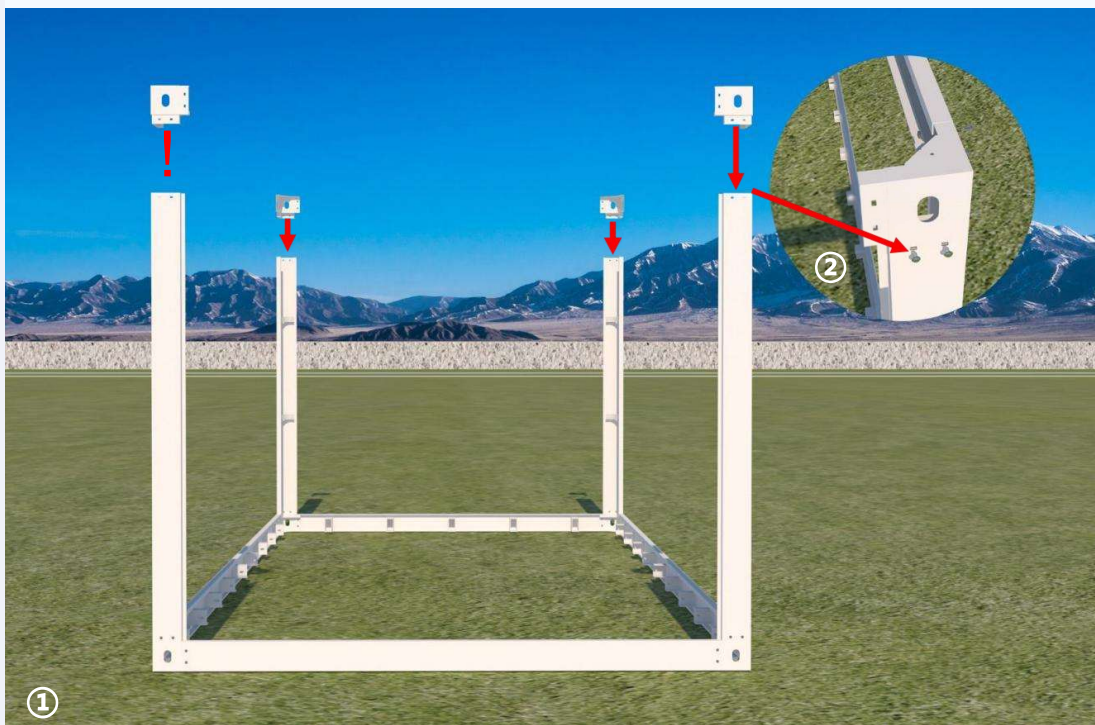
**SECOND STEP**

**COMPLETE THE SPLICING OF ALL 4 COLUMNS**

Repeat the previous step to install all four columns and refer to the drawing ② after completion



**Carriage screws** are used for this step



**FIRST STEP**

**PLACE THE CORNER FITTINGS**

Splice the corner fittings in the direction as shown in figure ②

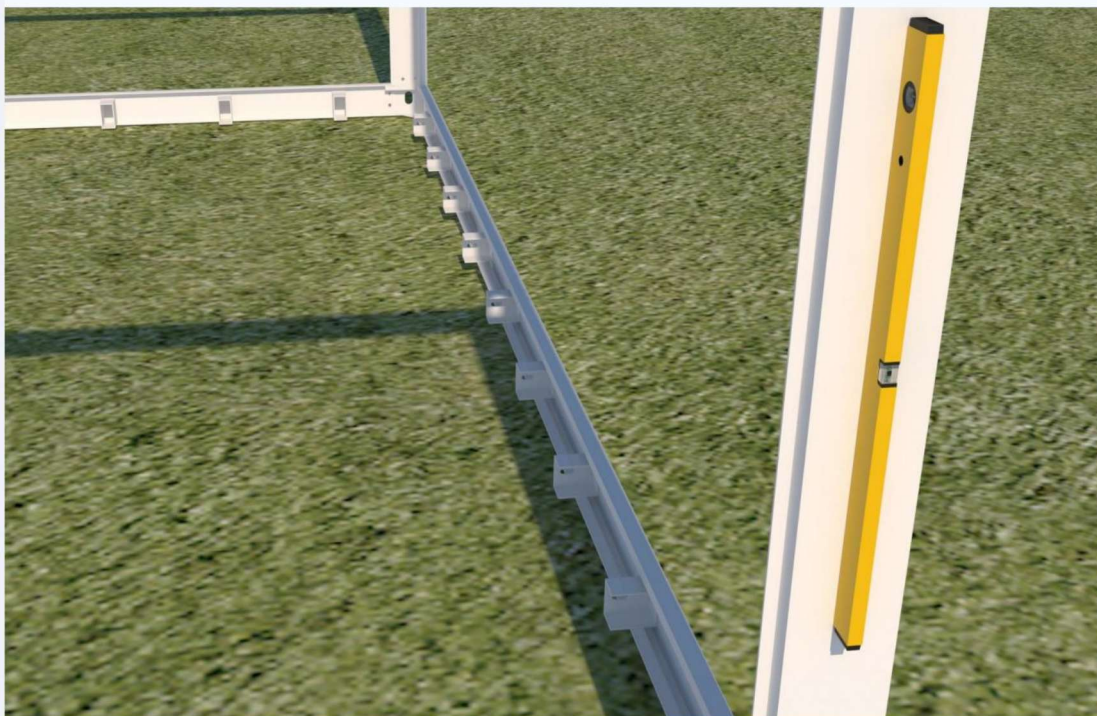
**SECOND STEP**

**INSERT THE SCREWS**

Align each corner fitting with the hole of the column, insert the screws into the hole, and screw the nut (**do not tighten it**) to fix the corner fitting and the column



**Carriage screws** are used for this step



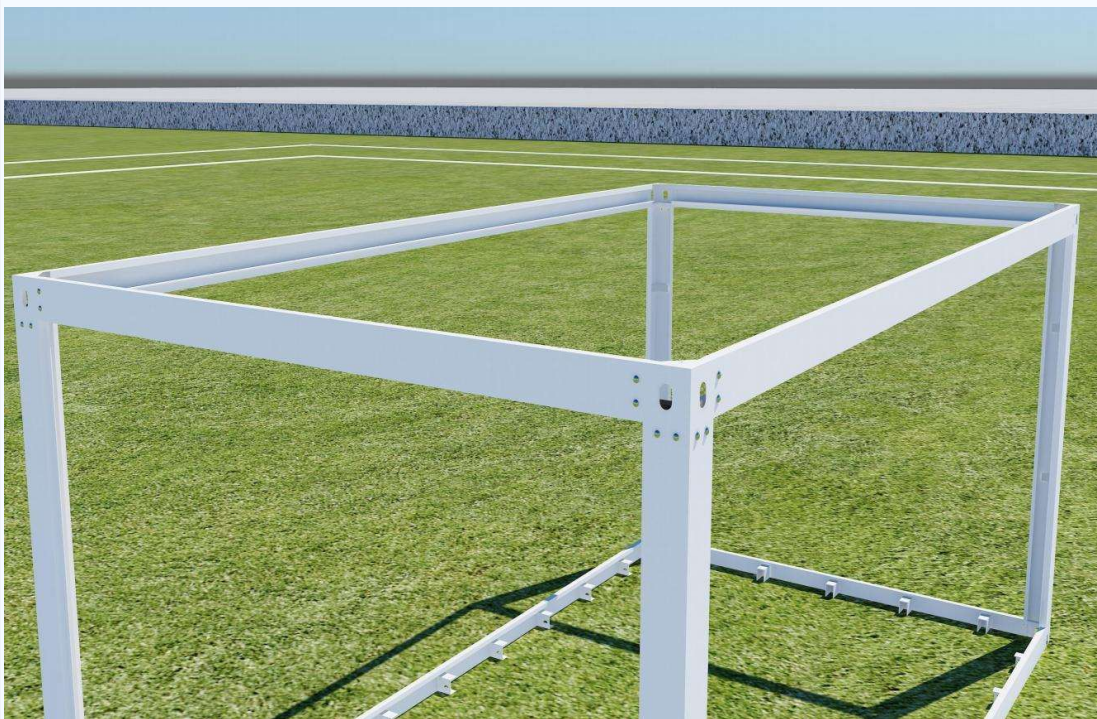
**FIRST STEP**

**HORIZONTAL ALIGNMENT**

Use a horizontal rule to observe whether the four columns are level. If not, adjust the tightness of the corner fitting screws by using a wrench (**tighten the carriage screws on the columns**).



**Horizontal rule** are used for this step



**FIRST STEP**

**SPLICE THE TOP BEAM**

Align the top beam with the bayonet hole of the top corner fitting, splice and align

**SECOND STEP**

**INSERT THE SCREWS**

Align the holes of each corner fitting and beam, insert the screws into the holes, **tighten the nuts** to fix the corner fitting and beam, as shown in the figure after completion



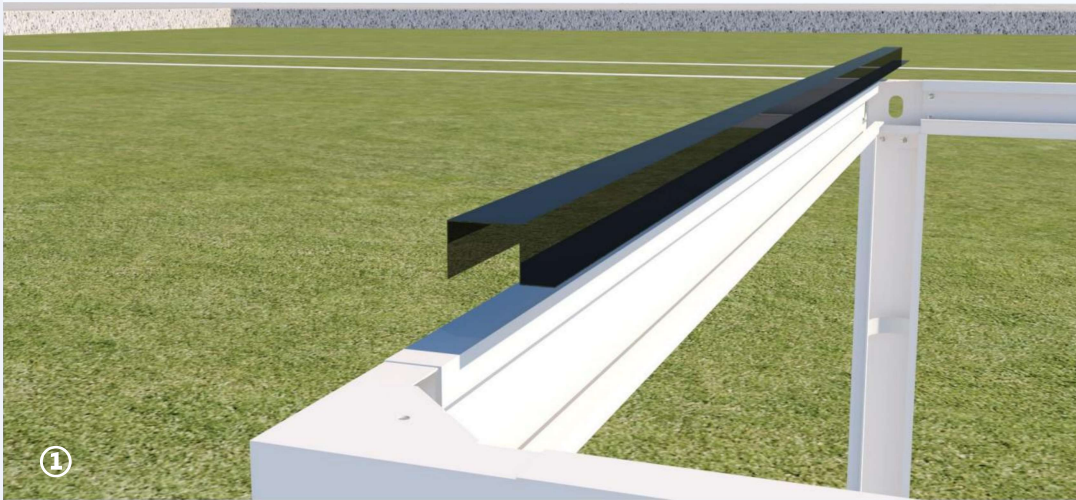
**Carriage screws** are used for this step

02

**INSTALLATION OF  
WALL PANELS**

2 0 2 3





**FIRST STEP**

**INSTALL THE PLATEN GROOVE**

Place the platen groove in the direction as shown, buckle it on the bottom groove of the short top beam

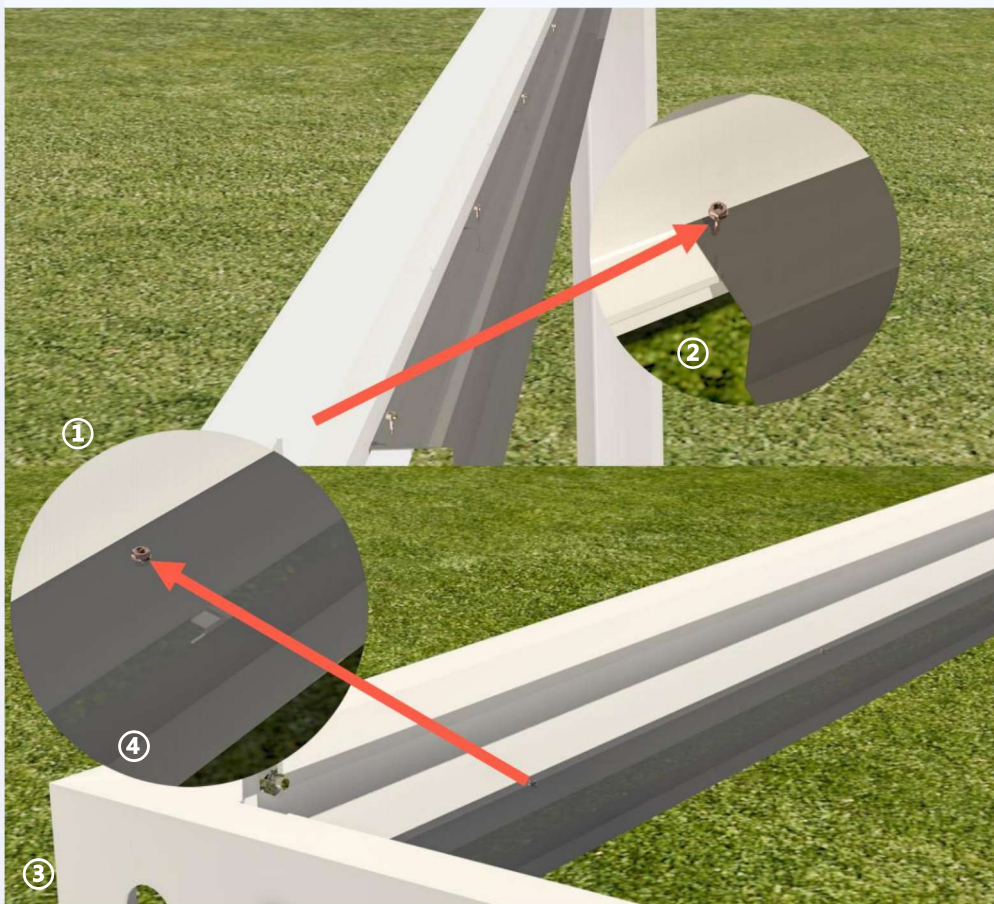
**SECOND STEP**

**FIX THE PLATEN GROOVE**

Use No. 25 tapping screws to secure the platen groove to the top short beam



**No.25 self-tapping screws** are used for this step



**FIRST STEP**

**INSTALL THE PLATEN GROOVE**

Place the platen groove in the direction as shown, buckle it on the bottom groove of the short top beam

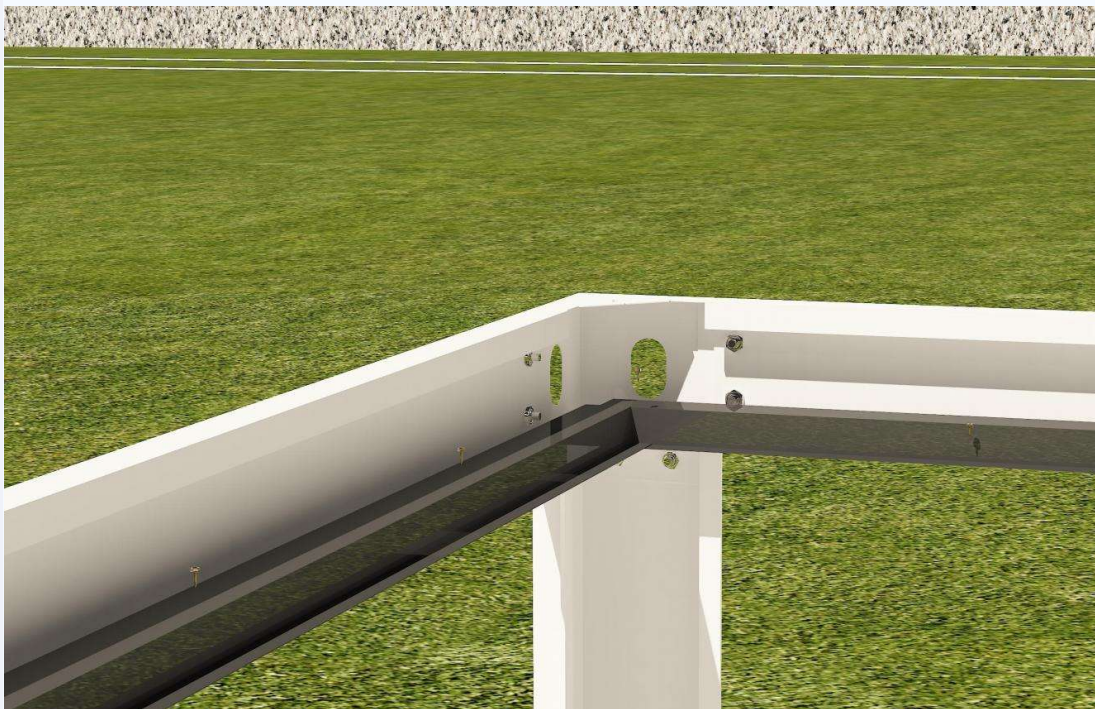
**SECOND STEP**

**FIX THE PLATEN GROOVE**

Use No. 25 tapping screws to secure the platen groove to the top short beam



**No.25 self-tapping screws** are used for this step



**FIRST STEP**

**INSTALL THE PLATEN GROOVE**

Repeat the previous step to buckle the platen groove into the short top beam and long beam

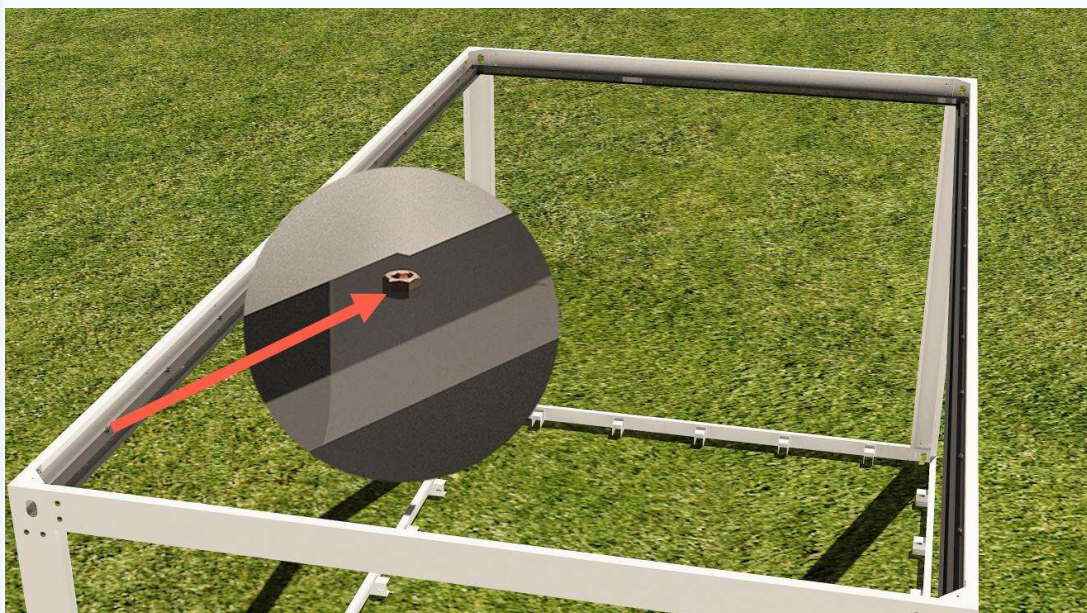
**SECOND STEP**

**FIX THE PLATEN GROOVE**

Use No. 25 tapping screws to secure the platen groove to the short top beam and long beam



**No.25 self-tapping screws** are used for this step



**FIRST STEP**

**CHECK PLATEN GROOVE**

As shown in the picture, fix the platen groove on the long top beam and short beam, check whether the No.25 tapping screws is firm, and whether the inside of the platen groove fits the inside of the long top beam and short beam



**No.25 self-tapping screws** are used for this step



**FIRST STEP**

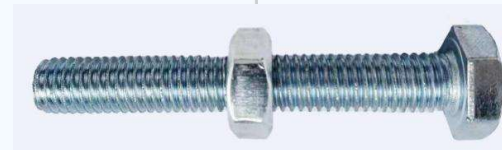
**PLACE THE BOTTOM BEAM**

Place the position of the bottom beam as shown in figure ①

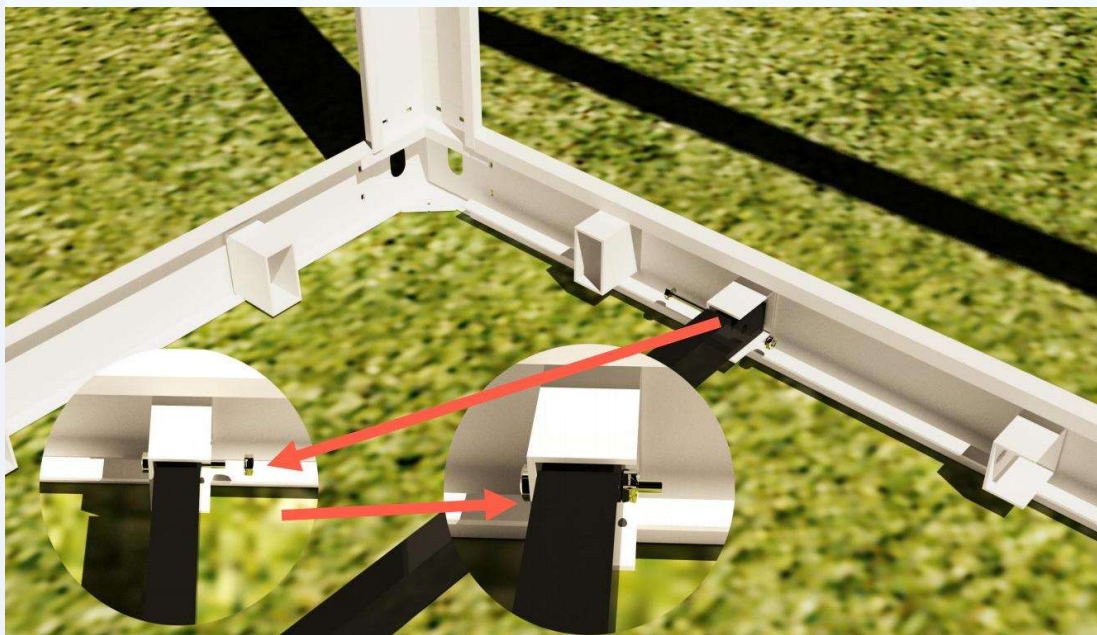
**SECOND STEP**

**CLAMP INTO THE BOTTOM BEAM**

As shown in figure ②, clamp the bottom beam into the groove of the longbottom beam



Use **10\*60 bolts** in this step



**FIRST STEP**

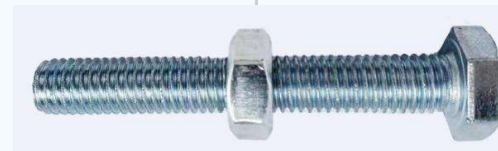
**ALIGN THE GROOVE CARD HOLES**

Move the bottom beam hole to align the groove hole on the longbottom beam

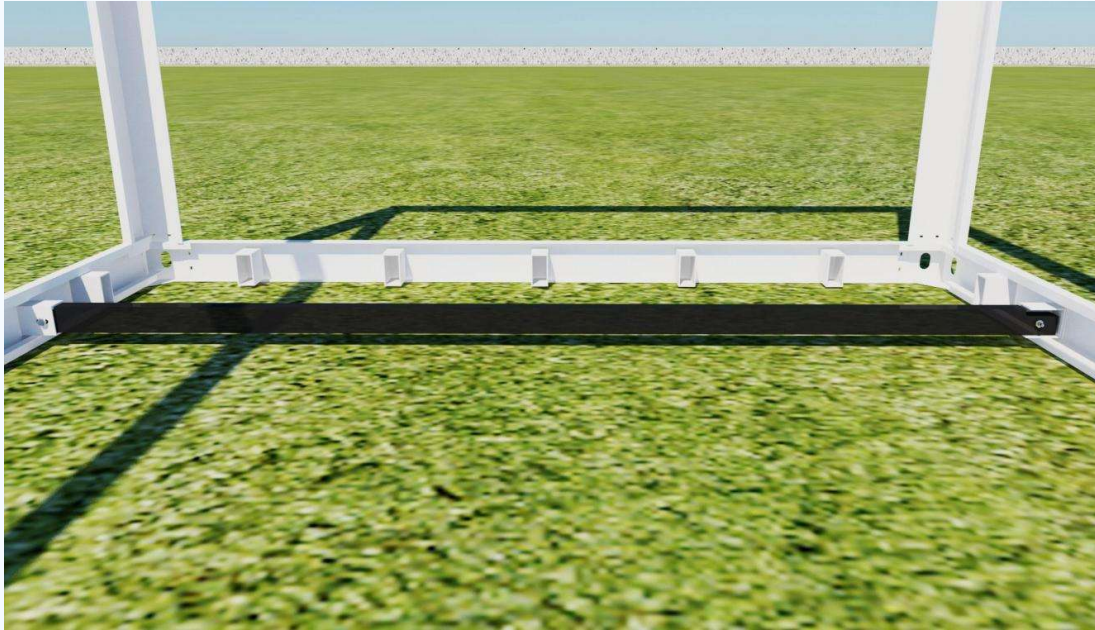
**SECOND STEP**

**PENETRATE THE BOLTS TO FIX**

In the order indicated by the arrow to fix the bottom beam to the groove of the longbottom beam



Use **10\*60 bolts** in this step



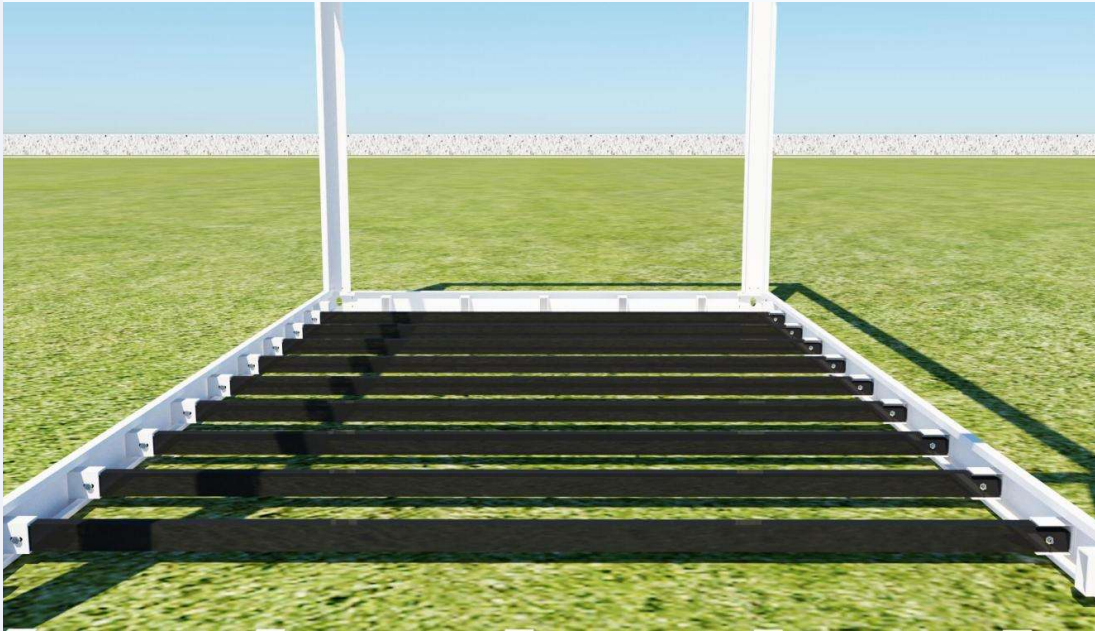
**FIRST STEP**

**CHECK IF THE BOTTOM BEAM IS FIXED**

Check whether the bolts are tightened and check whether the installation is correct according to the diagram



Use **10\*60 bolts** in this step



**FIRST STEP**

**ALIGN THE GROOVE CARD HOLES**

Repeat the previous STEP for the bottom beams, placing all nine bottom beams into the corresponding grooves

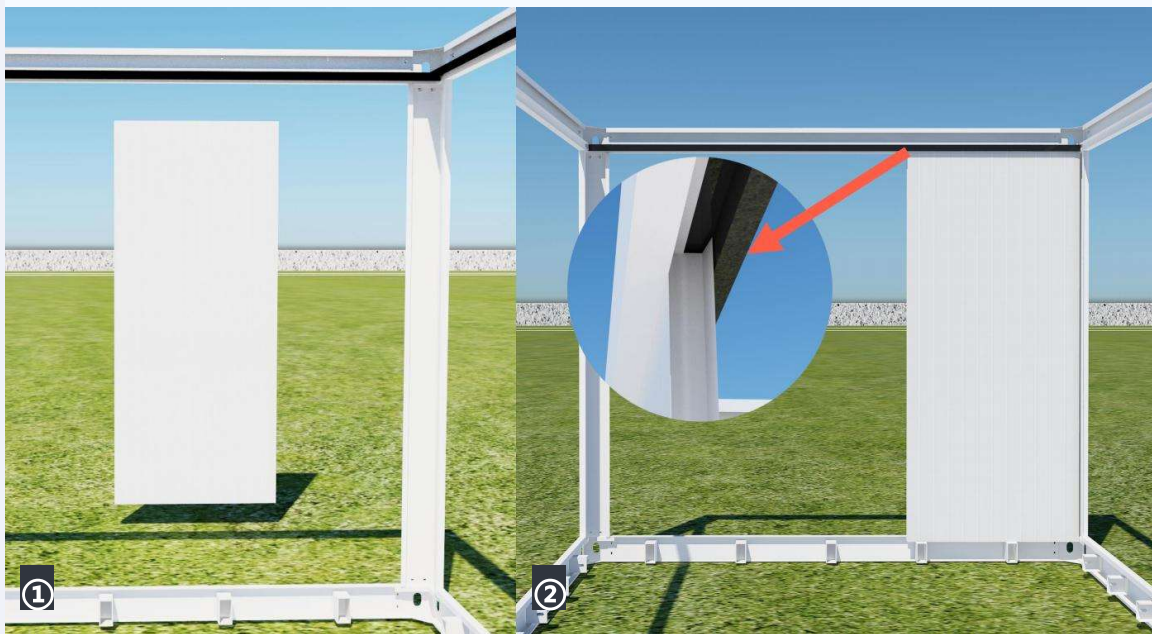
**SECOND STEP**

**PENETRATE THE BOLTS TO FIX**

And then one by one penetrate the bolts and fix it, also fix the bottom beam



Use **10\*60 bolts** in this step



#### WALL PANEL INSTALLATION 1

##### FIRST STEP

First, install the rear wall panel and prepare the rock wool sandwich panel to be placed in the direction shown in the figure ①

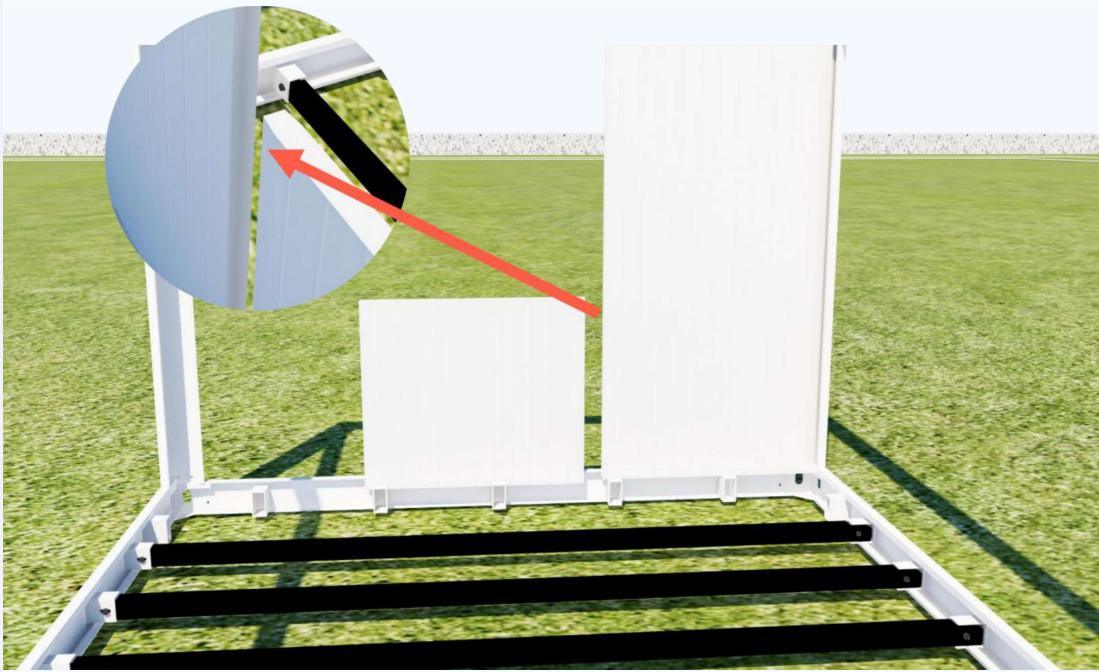
#### WALL PANEL INSTALLATION 2

##### SECOND STEP

Put the rock wool sandwich panel into the platen groove and push it to the corner (the larger gap of the rock wool sandwich panel is placed on the outside)



Use flathead drill screws in this step



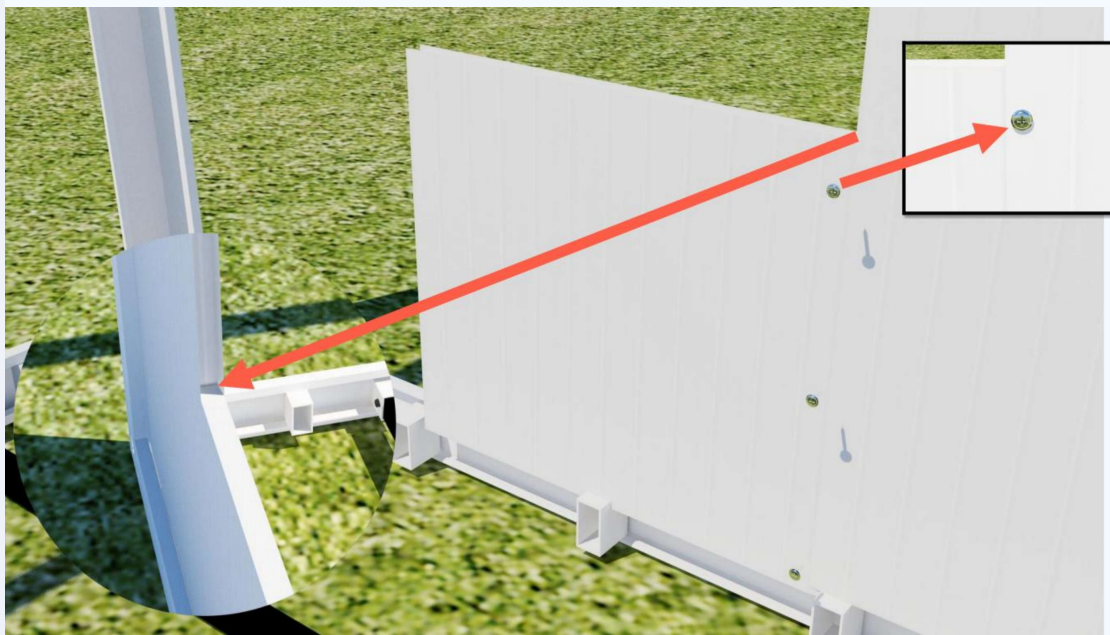
FIRST STEP

**INSTALLATION OF REAR WINDOW LOWER PANEL**

Clip the narrower gap in the rear window lower panel into the gap in the front wall panel



Use **flathead drill screws** in this step



**FIRST STEP**

**FIX OF FLAT HEAD DRILL SCREW**

After clamping into two wall panels, use flathead drill screws for fixing (if there is loosening can be fixed with screws, if there is no loosening can be fixed without screws), the fixing position is at the joint of two wall panels, that is, the position where the two cardslots are connected

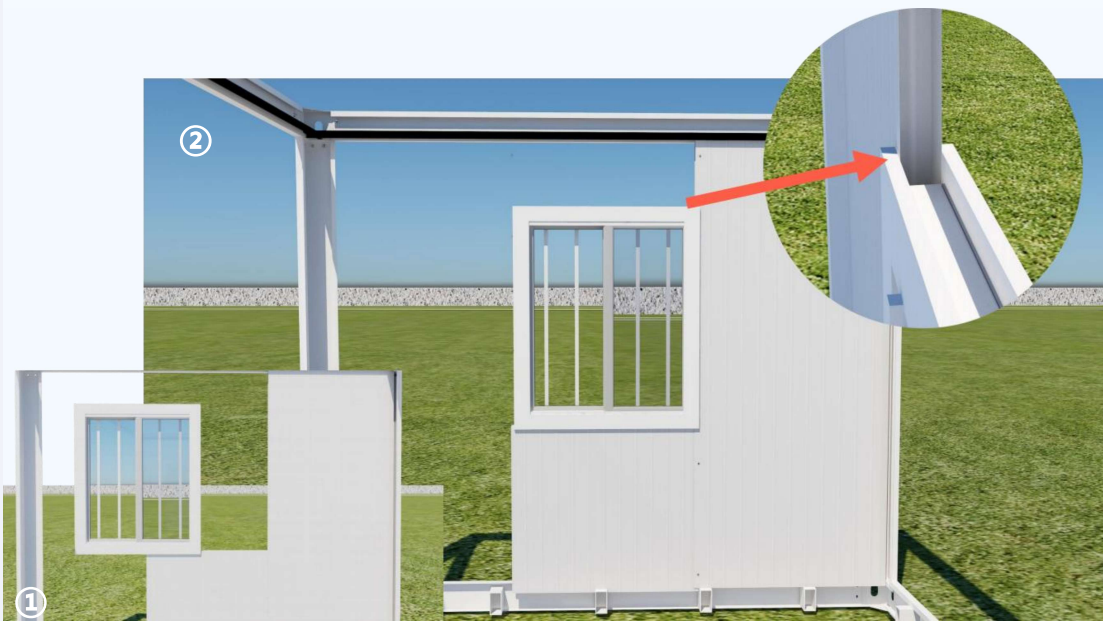
**SECOND STEP**

**FLAT HEAD DRILL SCREW POSITION DEMONSTRATION**

As shown in the figure, observe the position of two rock wool sandwich panels, nailscrews into the staggered position of panels and fix the two panels



Use flathead drill screws in this step



#### FIRST STEP

#### PLACE THE WINDOW

As shown in figure ①, align the groove at the bottom of the window with the lower panel of the rear window and then push it forward

#### SECOND STEP

#### CHECK WINDOW BAYONET

As shown in figure ②, the bayonet on the side of the window should also be fastened outside the interface of the rock wool sandwich panel on the side



Use flathead drill screws in this step



#### FIRST STEP

##### CLAMP INTO REAR WINDOW PANEL

Insert the cut rear window upper panel in the same way into the groove at the top of the window, with the top in the platen groove, and then push and insert into the groove of the rock wool sandwich panel on the right

#### SECOND STEP

##### FIX THE PANELS

Using the method of fixing the sandwich panel before, the rear window upper plate is fixed (if there is loosening, it can be fixed with screws, if there is no loosening, it can be fixed without screws)



Use flathead drill screws in this step



**FIRST STEP**

**FINISH THE SPLICE OF REAR WALL**

As shown in the picture, repeat the previous STEP to join the wall panels, insert and secure the last wall panel

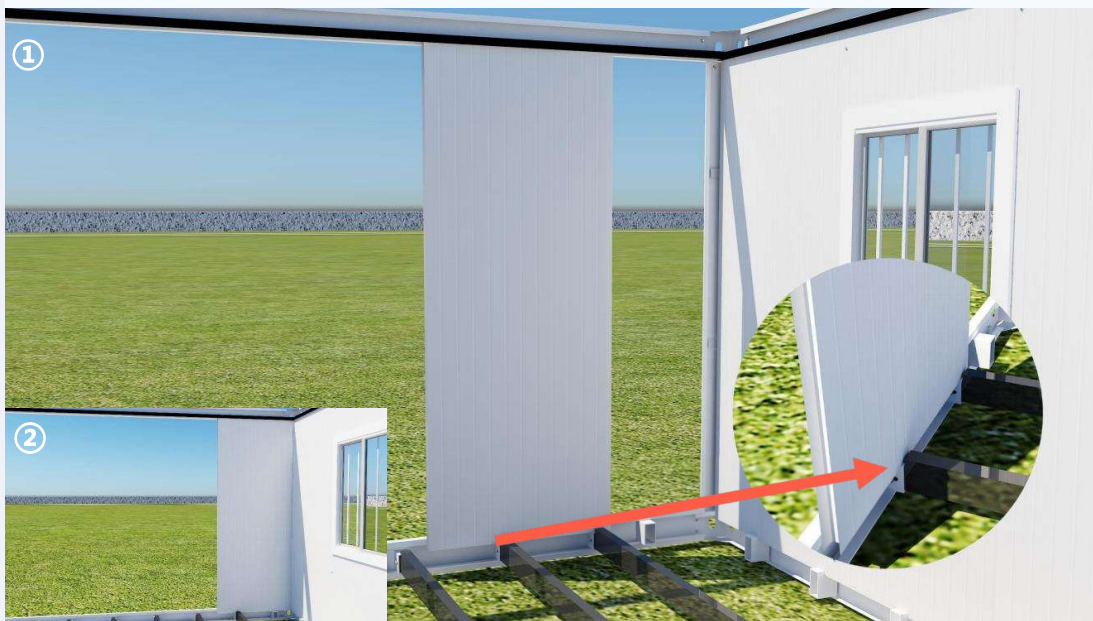
**SECOND STEP**

**CHECK THE SPLICE OF REAR WALL**

Check the fixation between each panel and reinforce it in time



Use **flathead drill screws** in this step



#### MOUNTING METHOD OF SIDE WALL PANEL

##### FIRST STEP

As shown in figure ①, embed the sidewall panel into the top platen groove, and the bottom as shown in the details, embed it into the gap between the bayonet protruding on the longbottom beam and the bottom beam, and push it to the back wall along platen groove

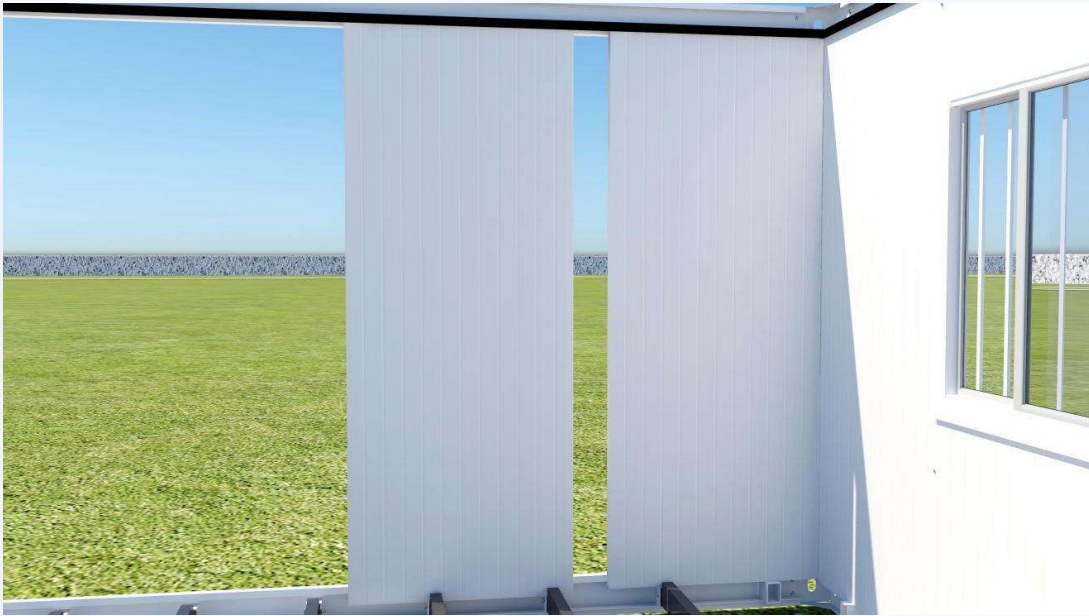
##### SECOND STEP

#### PUSH IN AND FIT THE WALL PANEL

Push along the platen groove to the rear wall as shown in figure ②



Use flathead drill screws in this step



**FIRST STEP**

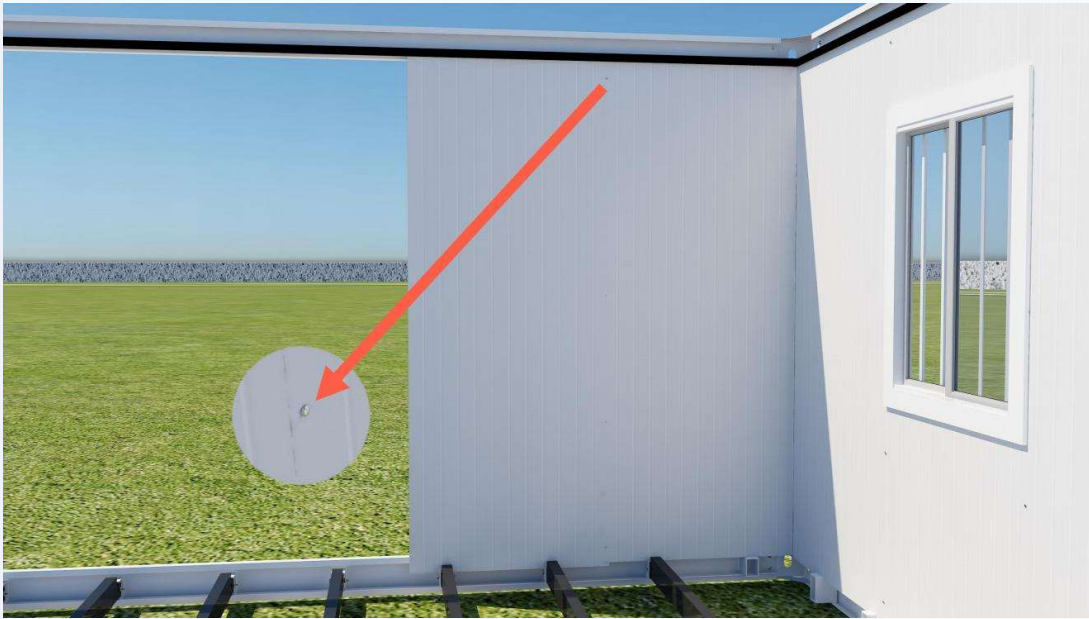
**INSTALL THE SECOND WALL PANEL**

As shown in the picture, repeat the action of previous splicing of the wall panel to insert the second wall panel



Use **flathead drill screws** in this step





#### SPLICE OF SIDE WALL PANEL

##### FIRST STEP

As shown in the picture, splice the two wall panels together (if there is loosening, it can be fixed with screws, if there is no loosening, it can be fixed without screws)

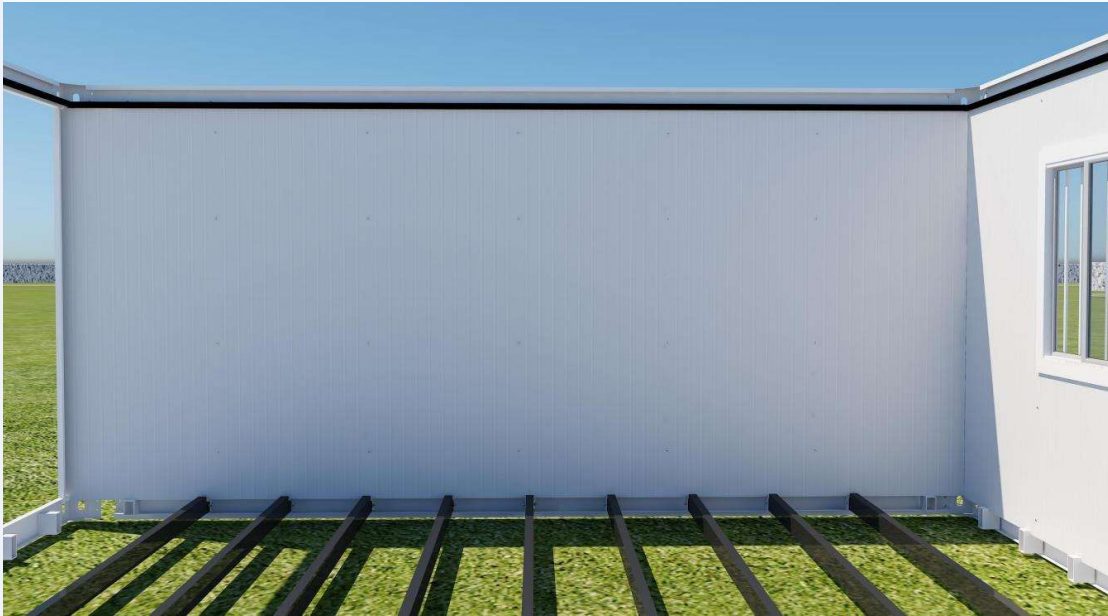
#### CHECK THE SPLICE OF SIDE WALL PANEL

##### SECOND STEP

Check the fixation between the two panels and whether the upper and lower panels are stuck into the groove



Use flathead drill screws in this step



**FIRST STEP**

**SPLICE OF SIDE WALL PANEL**

Repeat the action of splicing wall panels, and complete the splicing of all the wall panels on the sidewall (if there is loosening, it can be fixed with screws, if there is no loosening, it can be fixed without screws)

**SECOND STEP**

**CHECK THE SPLICE OF SIDE WALL PANEL**

Check the fixation between the two panels and whether the upper and lower panels are stuck into the groove



Use flathead drill screws in this step



#### FIRST STEP

##### SPLICE OF SIDE WALL PANEL

Repeat the action of splicing wall panels, and complete the splicing of all the wall panels on the sidewall (if there is loosening, it can be fixed with screws, if there is no loosening, it can be fixed without screws)

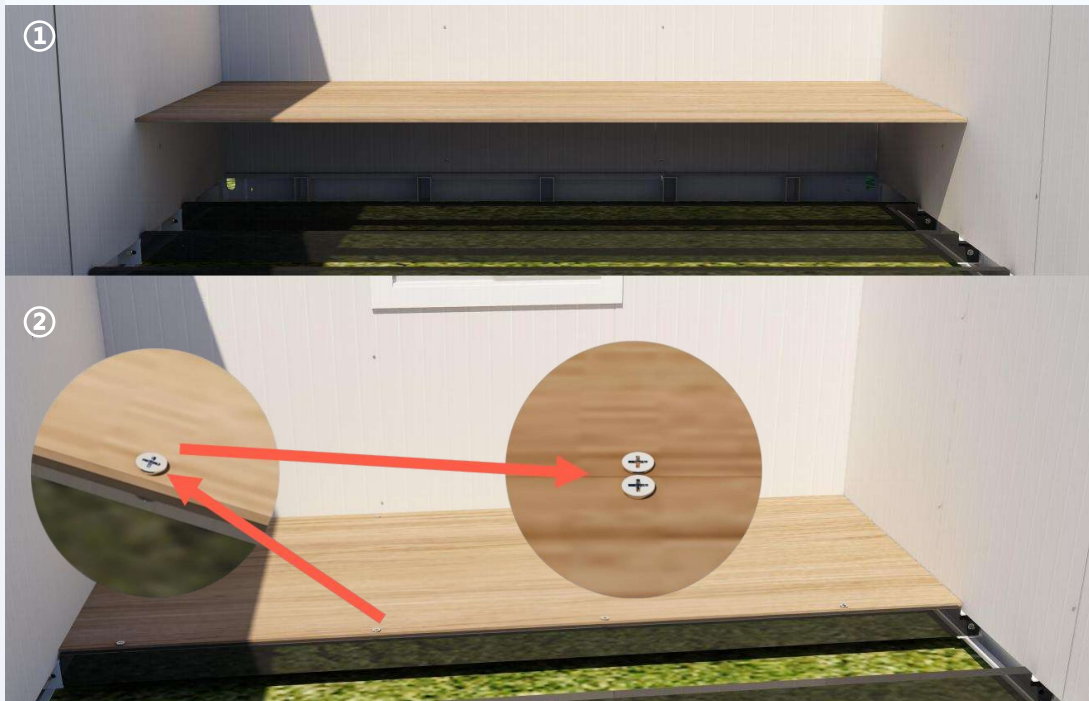
#### SECOND STEP

##### CHECK THE SPLICE OF SIDE WALL PANEL

Check the fixation between the two panels and whether the upper and lower panels are stuck into the groove, as shown in the figure after completion



Use flathead drill screws in this step



**FIRST STEP**

**INSTALLATION OF FLOOR**

As shown in figure ①, place the floor on the bottom beam close to the corner, and the edge of the floor should be in the middle of the bottom beam

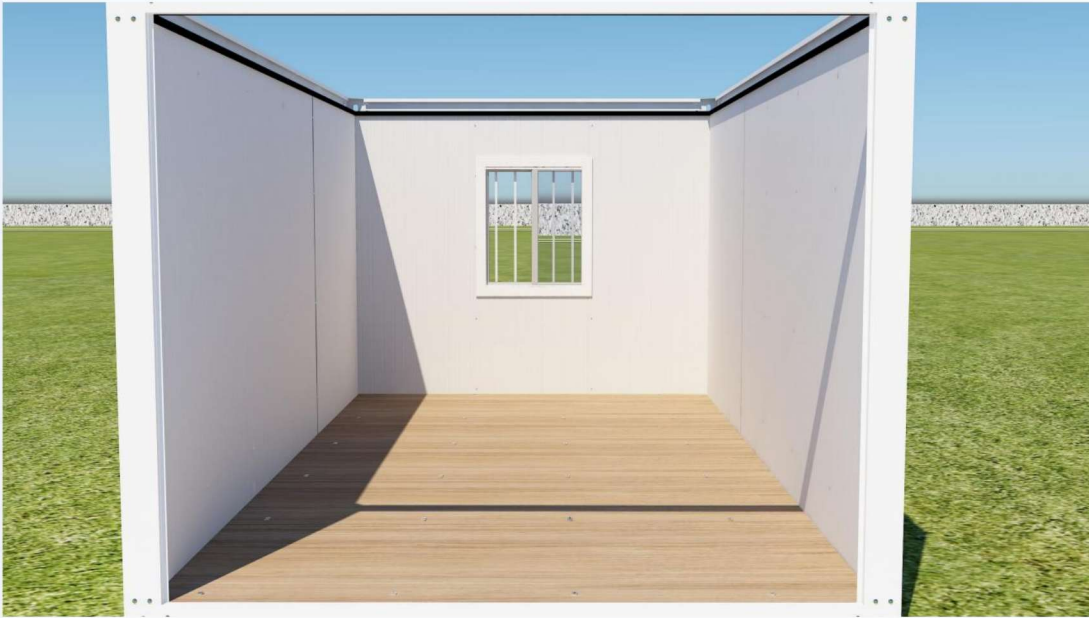
**SECOND STEP**

**FIX THE FLOOR**

Secure the floor edge to the bottom beam with flathead drill screws and leave some space for the second floor edge to be secured



Use 35 flathead self-drilling screws in this step



**FIRST STEP**

**INSTALLATION OF FLOOR**

Repeat the previous STEP to install the floor and continue to install other floors, paying attention to the flathead self-drilling screws on the bottom beam

**SECOND STEP**

**CHECK THE FIXATION OF FLOOR**

Check the fixation of each floor



Use **35 flathead self-drilling screws** in this step



**FIRST STEP**

**INSTALLATION OF FRONT DOOR WALL PANEL**

Repeat the STEP of installing the wall panel in front, place the cut front sidewall panel in the platen groove, as shown in figure ①

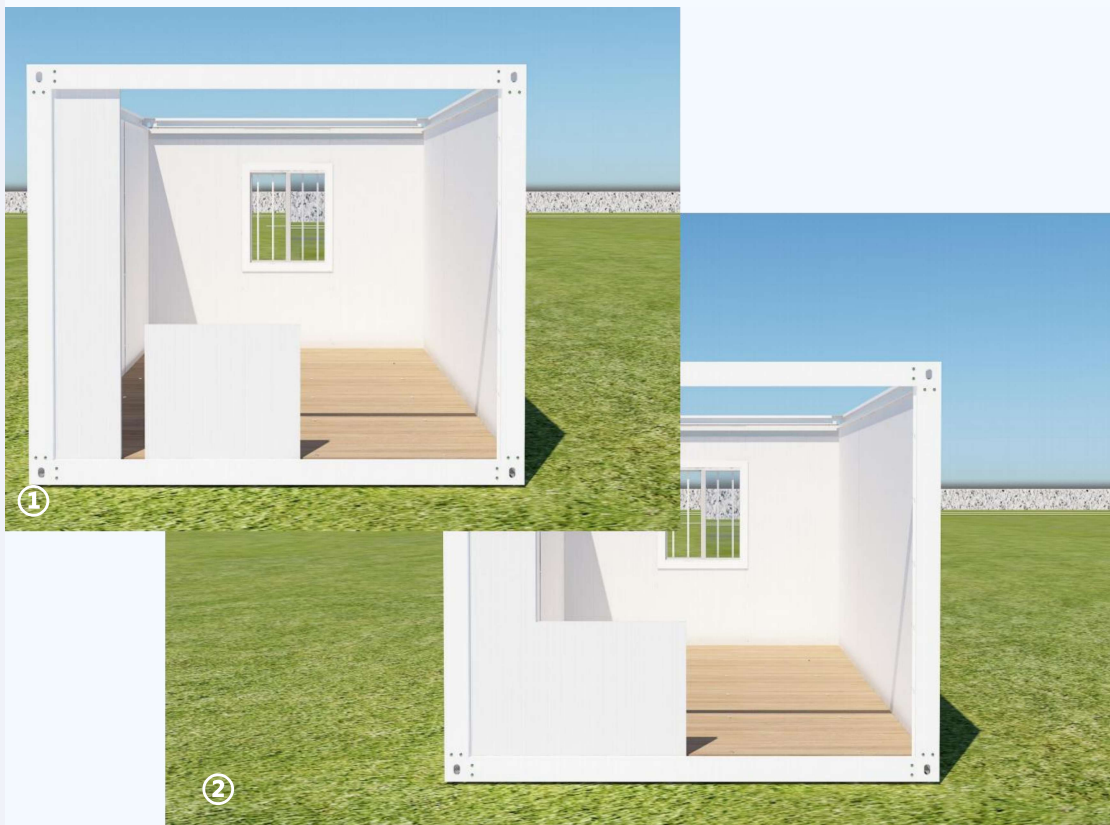
**SECOND STEP**

**PUSH-ON WALL PANEL**

Move the wall panel to the position as shown in figure ②



Use **flathead drill screws** in this step



#### INSTALLATION OF FRONT WINDOW LOWER PANEL

##### FIRST STEP

Repeat the previous STEP of installing wall panels, place the cut lower panel of the front window in the platen groove, as shown in figure ①

#### PUSH-ON WALL PANEL

##### SECOND STEP

Move the wall panel to the position shown in figure ② and fasten it (if it is loose, it can be fixed with screws; if it is not loose, it can be fixed without screws)



Use flathead drill screws in this step



**FIRST STEP**

**INSTALLATION OF FRONT WINDOW**

Install the front window by using the same way you installed the rear window before, noting that the side of the window with a burglar fence is the outer side

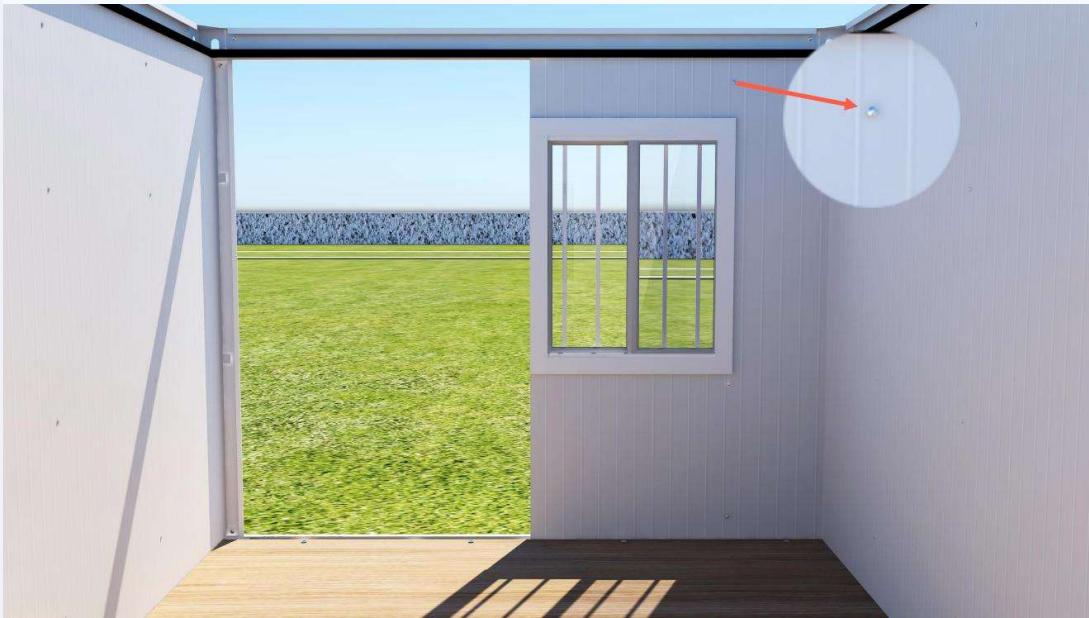
**SECOND STEP**

**INSTALLATION OF FRONT WINDOW UPPER PANEL**

After the front window is installed, place the cut upper panel of the front window as shown in the figure



Use **flathead drill screws** in this step

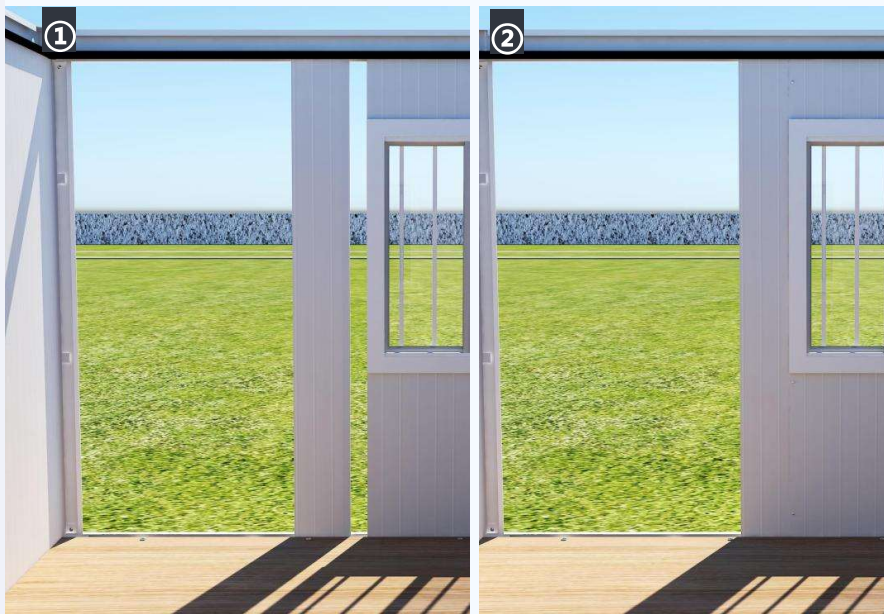


**FIRST STEP**

**INSTALLATION OF FRONT WINDOW UPPER PANEL**  
Insert the front window upper panel (if there is loosening, it can be fixed with screws, if there is no loosening, it can be fixed without screws)



Use flathead drill screws in this step



**FIRST STEP**

**INSTALLATION OF FRONT DOOR WALL PANEL**

Insert the cut wall panel into the gap on the side of the window, as shown in figure ①

**SECOND STEP**

**INSTALLATION OF FRONT WINDOW UPPER WALL PANEL**

As shown in the figure ② after completion (if there is loosening, it can be fixed with screws, if there is no loosening, it can be fixed without screws)



Use flathead drill screws in this step



**FIRST STEP**

**INSTALLATION OF FRONT DOOR UPPER WALL PANEL**

Insert the cut wall panel into the gap on the side of the window as shown in the picture

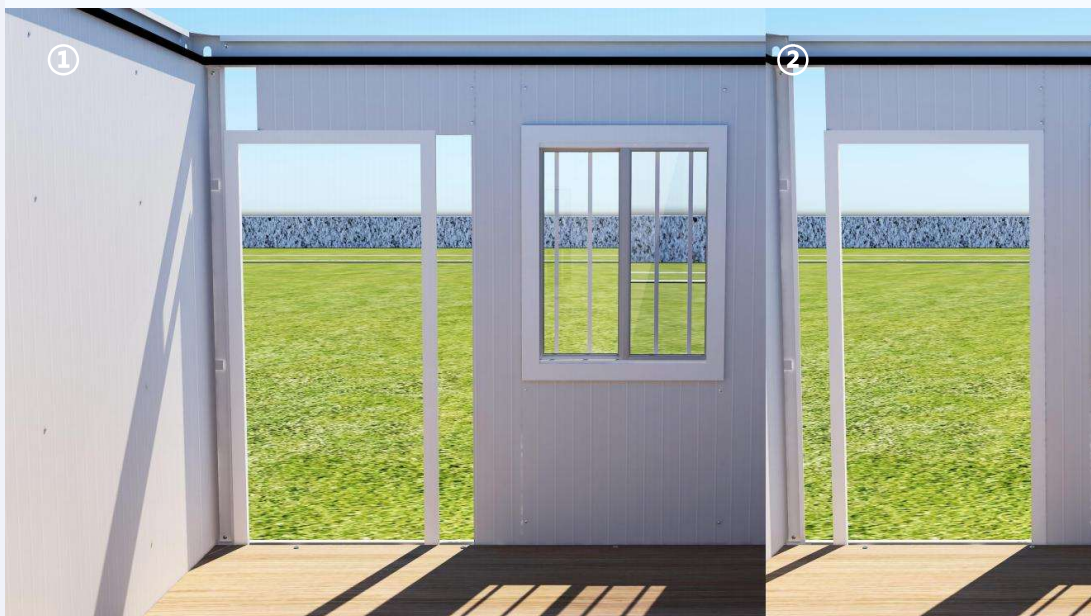
**SECOND STEP**

**INSTALLATION OF FRONT WINDOW UPPER WALL PANEL**

Fix the joint with **flathead drill screws**



Use **flathead drill screws** in this step



#### INSTALLATION OF DOOR FRAME

##### FIRST STEP

As shown in figure ①, first place the front door upper panel in the groove at the top of the door frame

#### INSTALLATION OF FRONT WINDOW UPPER WALL PANEL

##### SECOND STEP

As shown in the figure ②, after embedding, the door frame is fixed on the wall panel with flathead drilling screws



Use flathead drill screws in this step



#### FIRST STEP

#### INSTALLATION OF DOOR FRAME

As shown in figure ①, first place the front door upper panel in the groove at the top of the door frame

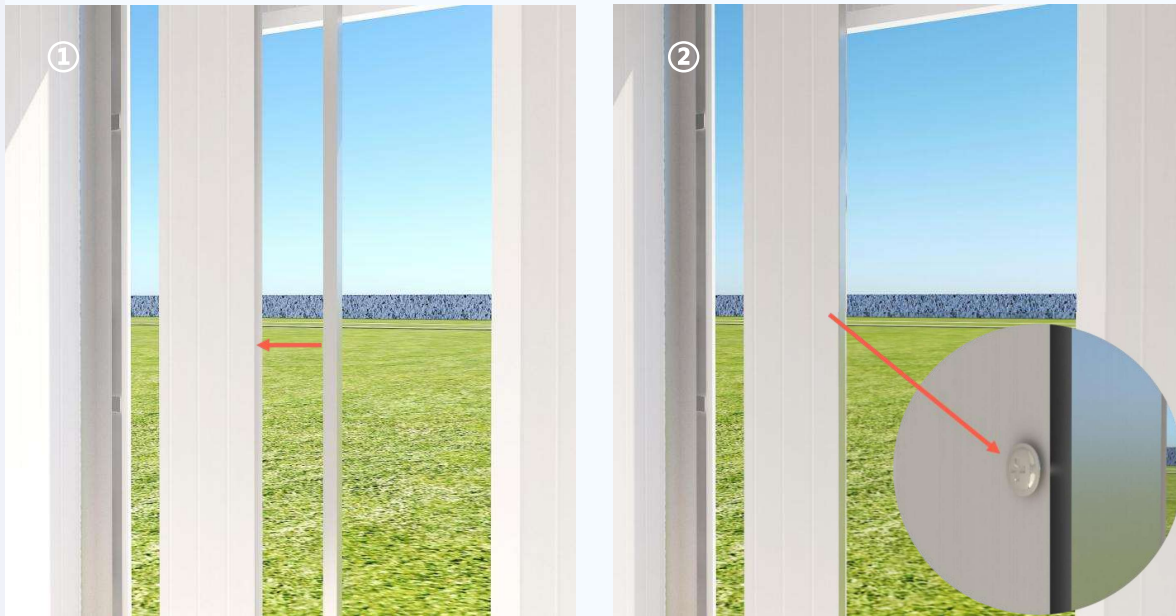
#### SECOND STEP

#### INSTALLATION OF FRONT WINDOW UPPER WALL PANEL

As shown in the figure ②, after embedding, the door frame is fixed on the wall panel with flathead drilling screws



Use flathead drill screws in this step



**FIRST STEP**

**INSTALLATION OF DOOR FRAME FASTENING STRIP**

As shown in figure ①, place the square tube in a groove in the wall panel

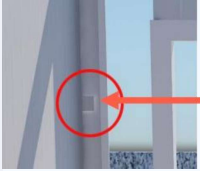
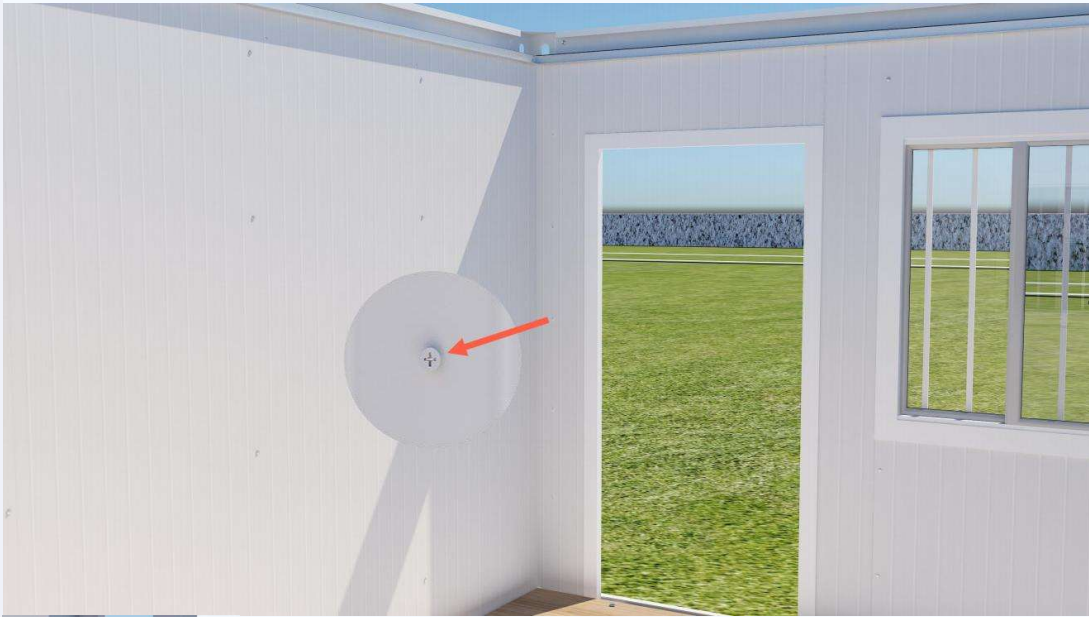
**SECOND STEP**

**INSTALLATION OF FRONT WINDOW UPPER WALL PANEL**

As shown in the figure ②, after embedding the door frame fixing strip is fixed on the wall panel with flathead drilling screws



Use flathead drill screws in this step



Fixing strip : There are two inside each column to fix the wall panels

#### INSTALLATION OF WALL PANEL

##### FIRST STEP

The last wall panel inserted into the door frame fixing strip is installed into the groove of the door frame and the front window upper panel, and inserted into the platen groove at the top

#### FIX OF WALL PANEL

##### SECOND STEP

Nail the left side of the door frame and the wall panel together with flathead drilling screws, and then fix the two fixing strips with flathead self-drilling screws into the column



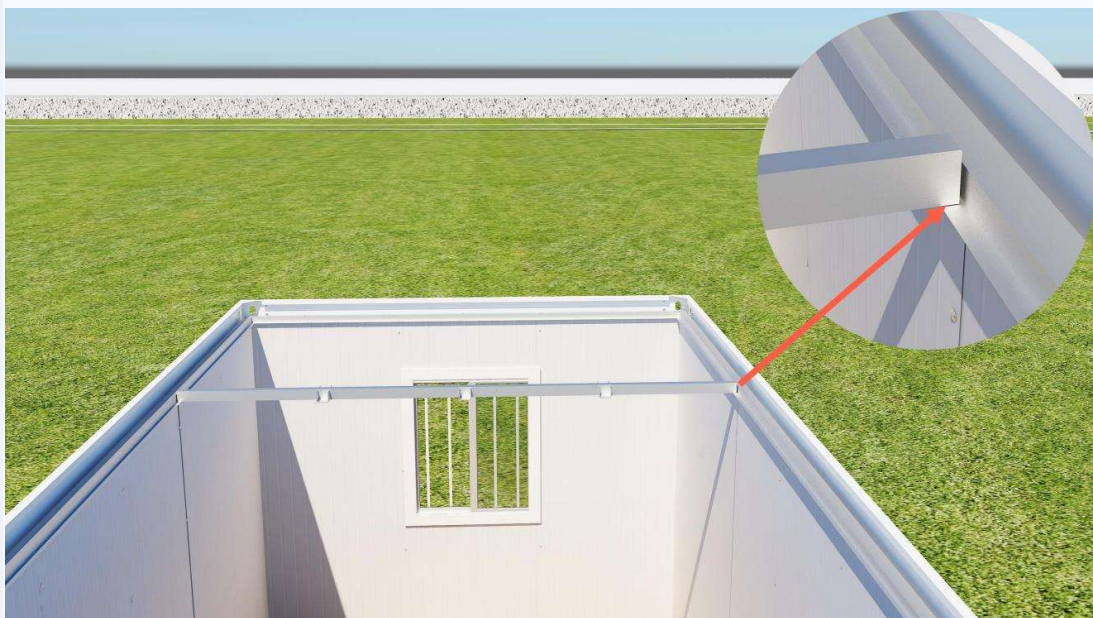
Use flathead drill screws in this step

03

INSTALLATION OF ROOF

2 0 2 3





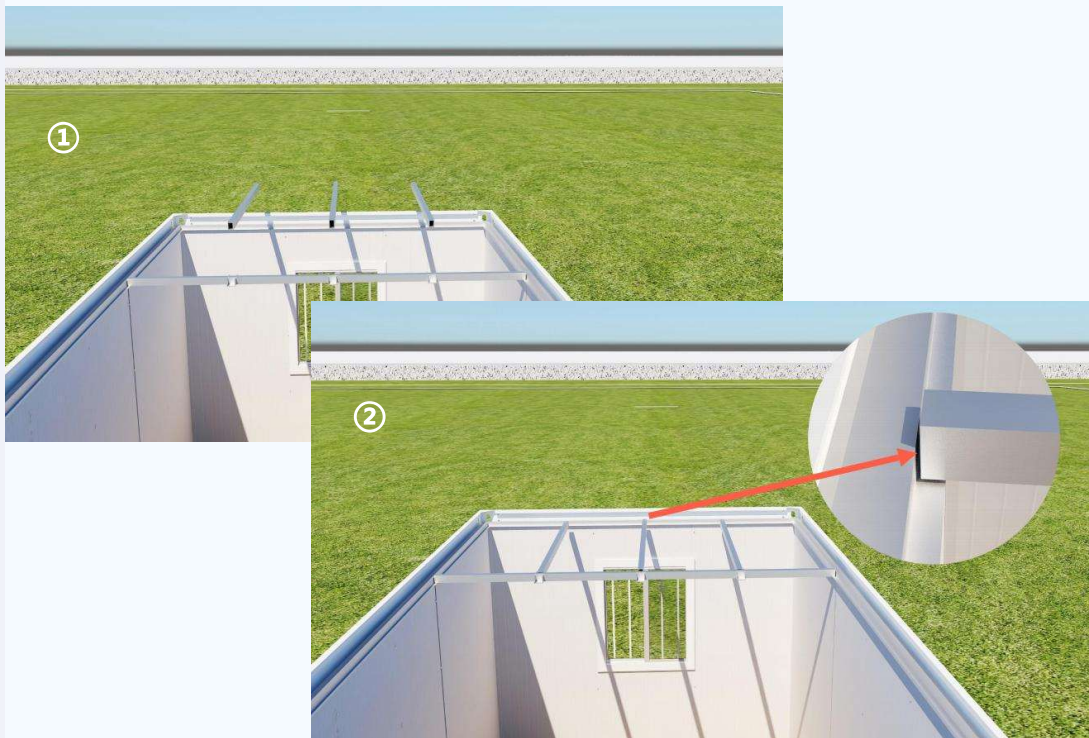
**FIRST STEP**

**INSTALLATION OF ROOF BEAM**

Place the top beam in the position as shown, on theiron sheet extending outside the platen groove



Use **No. 25 tapping screws** in this step



**FIRST STEP**

**INSTALLATION OF ROOF BEAM**

Adjust the top beam to an appropriate position, and install the three stringers in the groove of the beam. The other side of stringer is pressed on the iron sheet extending from the platen groove where the short top beam is located, as shown in figure ②

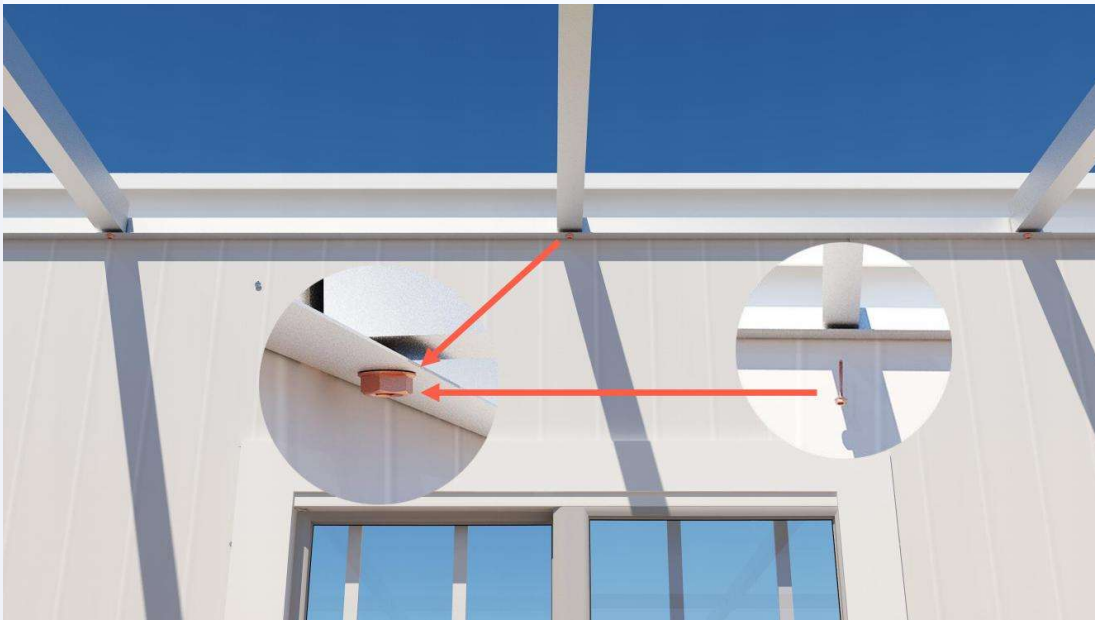
**SECOND STEP**

**PLACE THE STRINGERS**

4\*6 stringers are placed in the grooves on both sides, and 4\*8 stringers are placed in the middle grooves



Use **No. 25 tapping screws** in this step



**FIRST STEP**

**FIX THE ROOF BEAM**

As shown, the top stringer is held together with No. 25 tapping screws by their iron sheet extending through the platen groove

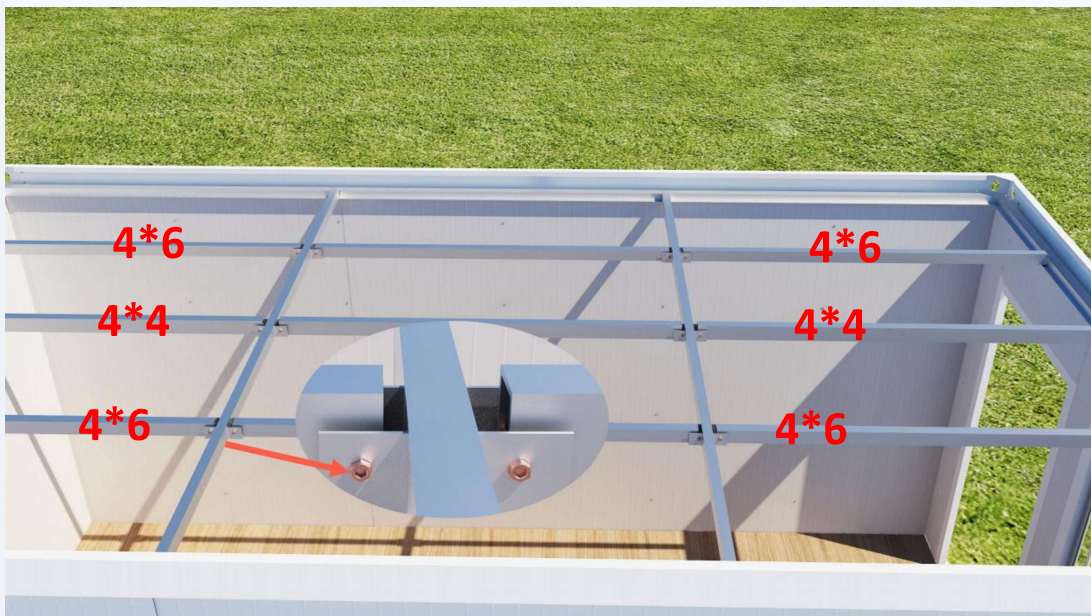
**SECOND STEP**

**FIX THE TOP BEAM**

Fix the top beam by using the method of fixing the stringer



Use **No. 25 tapping screws** in this step



#### FIRST STEP

#### FIX THE ROOF BEAM

As shown in the picture, fix the connection between the stringer and beam together with No. 60 tapping screws. Repeat the previous construction STEP to connect the two beams and 9 stringers (note that the middle stringer should be higher than the sides).

#### SECOND STEP

#### CHECK THE FIXATION SITUATION OF ROOF

#### BEAM

Check whether the connection between each beam is firm



Use No. 60 tapping screws in this step



**FIRST STEP**

**INSTALLATION OF INTERNAL ROOF TILES**

Lift the first top tile up along the back wall as shown in the picture and fix it on the three stringers and top platen grooves with No. 25 tapping screws



Use **No. 25 tapping screws** in this step



**FIRST STEP**

**INSTALLATION OF INTERNAL ROOF TILES**

Lift the first top tile up along the back wall as shown in the picture and fix it on the three stringers and top platen grooves with No. 25 tapping screws



Use **flathead drill screws** in this step



**FIRST STEP**

**FIX THE INTERNAL ROOF TILES**

As shown in Figure ①, the two top tiles are connected in an overlapping way, the edge grooves of the top tiles are buckled together, and the flathead drilling screws are used on the top beam

**SECOND STEP**

**TIGHTEN THE SCREWS**

Screw into the top beam according to the position of figure ① and figure ②



Use **flathead drill screws** in this step





**FIRST STEP**

**INSTALLATION OF INTERNAL ROOF TILES**

Repeat the previous STEP to install and fix all the top tiles on the top beam, as shown in the figure after completion

**SECOND STEP**

**CHECK THE INSTALLATION OF ROOF TILES**

Double check each roof tile for further reinforcement



Use **flathead drill screws** in this step



**FIRST STEP**

**INSULATED COTTON COVERINGS**

As shown in the picture, heat insulation wadded rolls are spread over the roof of the aircraft



Use **glass cotton rolls** in this step

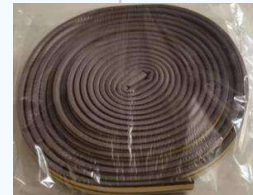




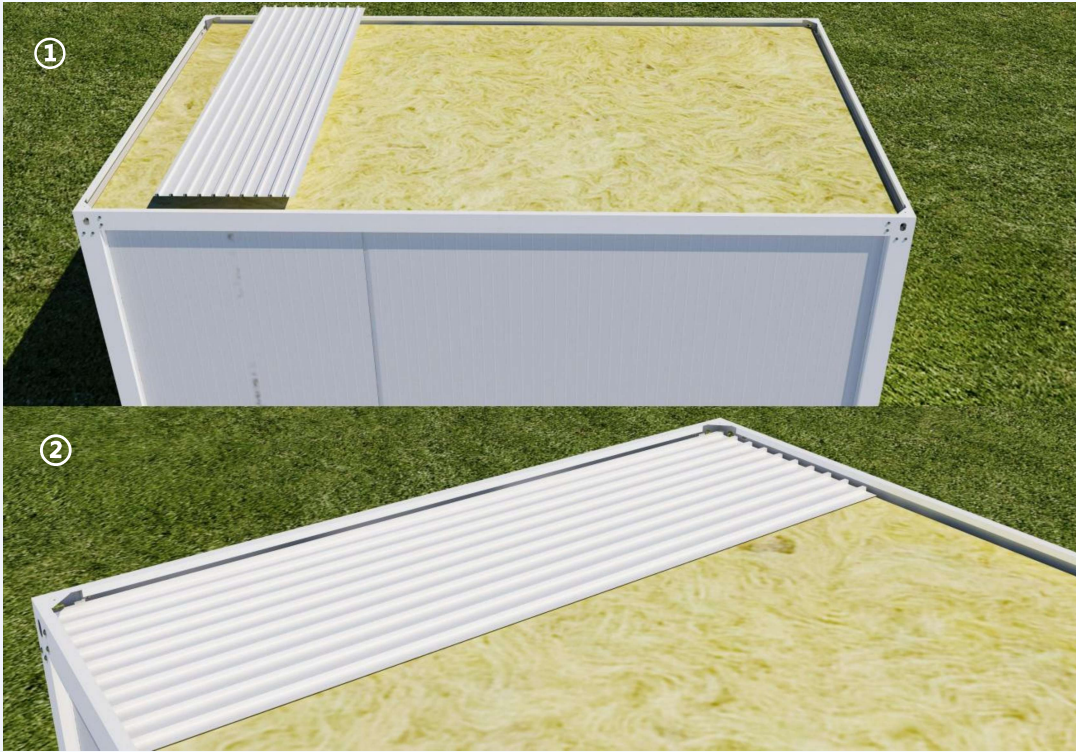
**FIRST STEP**

**INSTALLATION OF TOP WATERPROOF SEALING STRIP**

As shown, place the sealing strip around the top of the platen groove to prevent rainwater from backflow



Use **sealing strip** in this step



**FIRST STEP**

**INSTALLATION OF ROOF TILE**

As shown in figure ①, place roof tiles on the roof

**SECOND STEP**

**PLACE ROOF TILE**

Lay the roof tile close to the inside of the short top beam on the glass wool



Use **No. 25 tapping screws** in this step



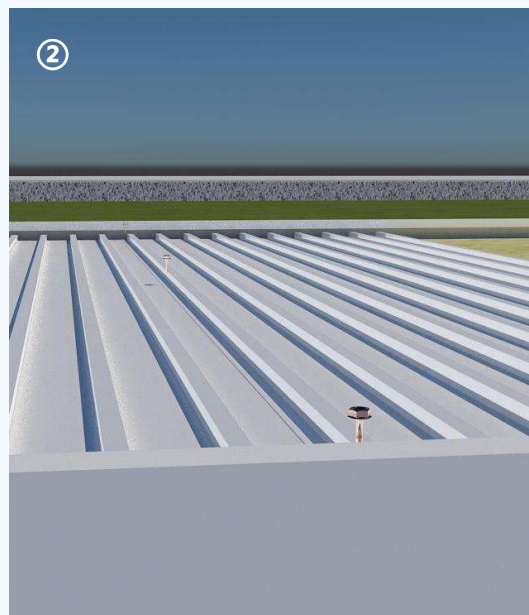
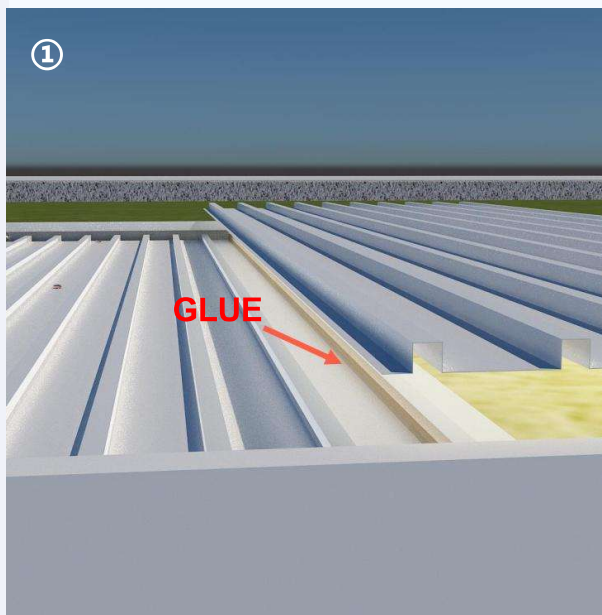
**FIRST STEP**

**INSTALLATION OF ROOF TILE**

As shown in the figure, the roof tile is placed on the glass wool, and then nailed into No. 25 tapping screws, which are nailed on the top stringer. The edge is inserted into the groove of the long top beam and short beam, and the tapping screws are nailed on the platen groove or the long top beam and short beam to facilitate drainage



Use **No. 25 tapping screws** in this step



FIRST STEP

INSTALLATION OF ROOF TILE

As shown in figure ①, apply glass glue to the inner part of the last corrugated strip of the roof tile, overlap the interface of the two tiles and stick together

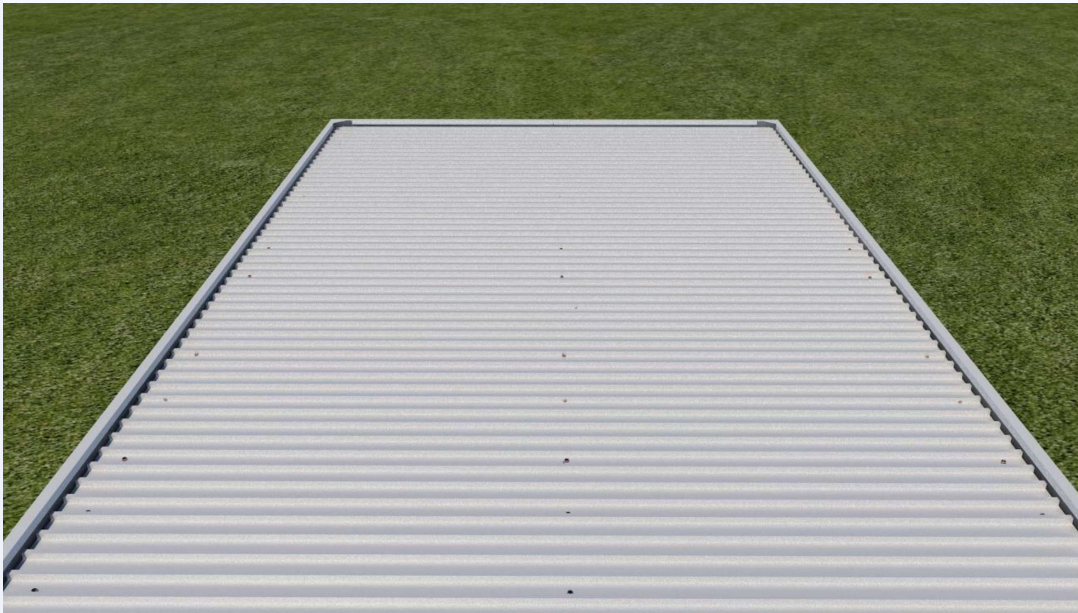
SECOND STEP

INSTALLATION OF ROOF TILE

As shown in figure ②, after assembling, the top is reinforced by tapping screws



Use No. 25 tapping screws in this step



**FIRST STEP**

**INSTALLATION OF ROOF TILE**

Apply waterproof glue where the tiles overlap, then repeat the previous step, using tapping screws to secure the six roofing tiles in one piece and to the top rail and platen groove or the long top beam , short beam

**SECOND STEP**

**CHECK THE INSTALLATION OF ROOF TILES**

Apply sealant to each tapping nail to prevent leakage



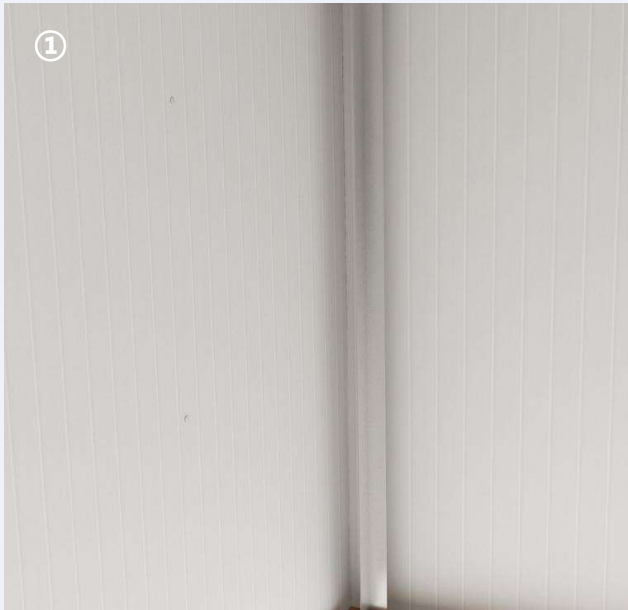
Use **No. 25 tapping screws** in this step

04

**INTERNAL SEALING SIDE**

2 0 2 3





**FIRST STEP**

**CORNER ALUMINUM SEALING SIDE**

As shown in figure ① and figure ②, put the corner aluminum into the corner joint to block the corner joint

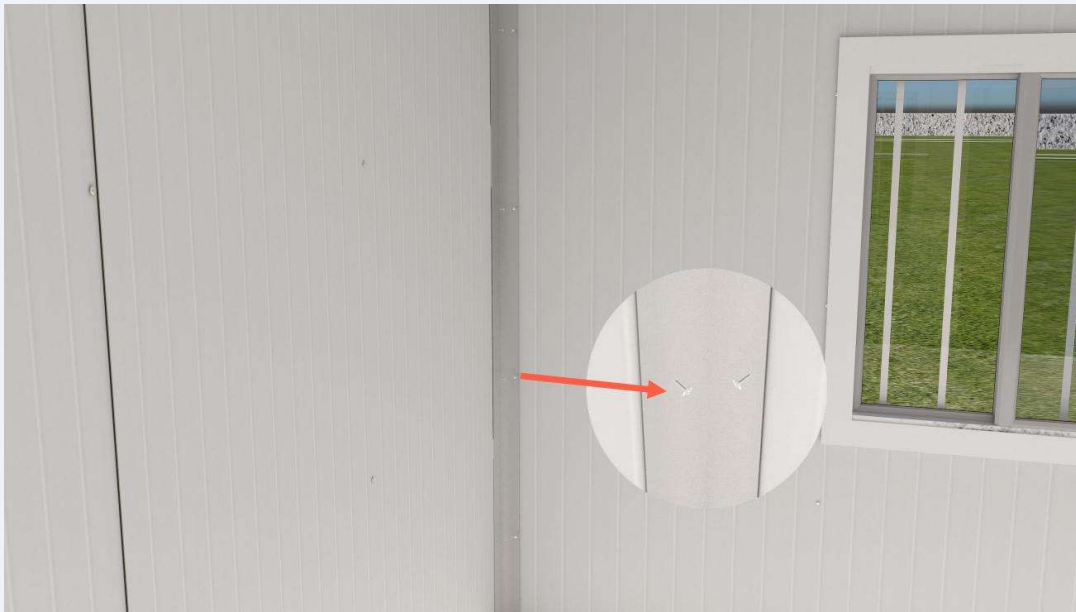
**SECOND STEP**

**FIX CORNER ALUMINUM**

Fix the corner aluminum to the wall panel using flathead drill screws



Use flathead drill screws in this step



**FIRST STEP**

**CORNER ALUMINUM SEALING SIDE**

As shown in the picture, put the corner aluminum into the corner joint to block the corner joint

**SECOND STEP**

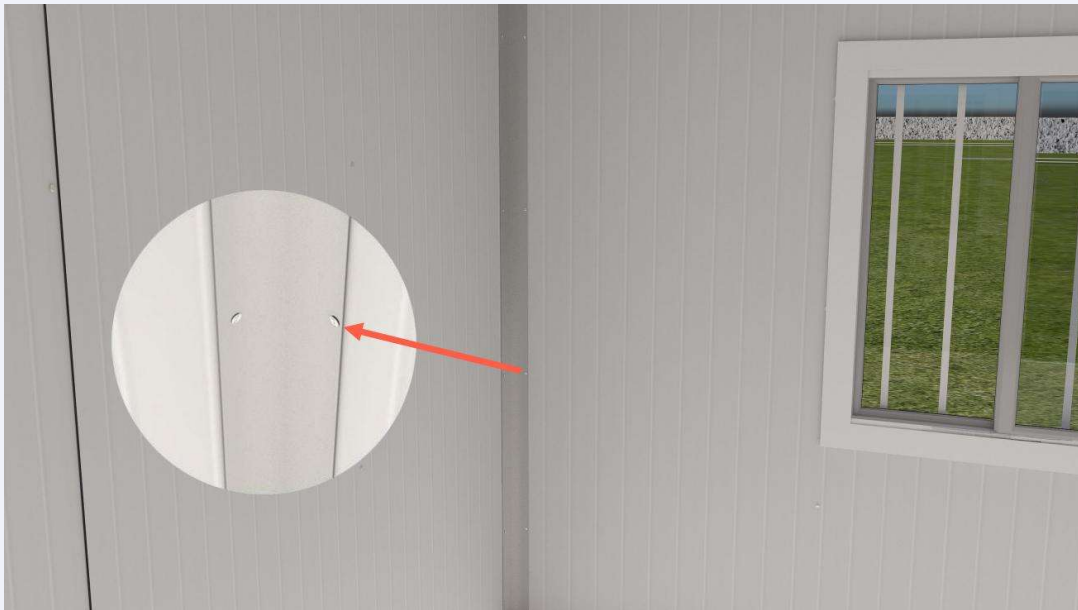
**FIX CORNER ALUMINUM**

Fix the corner aluminum to the wall panel using flathead drill screws



Use **flathead drill screws** in this step





**FIRST STEP**

**CORNER ALUMINUM SEALING SIDE**

As shown in the picture, put the corner aluminum into the corner joint to block the corner joint

**SECOND STEP**

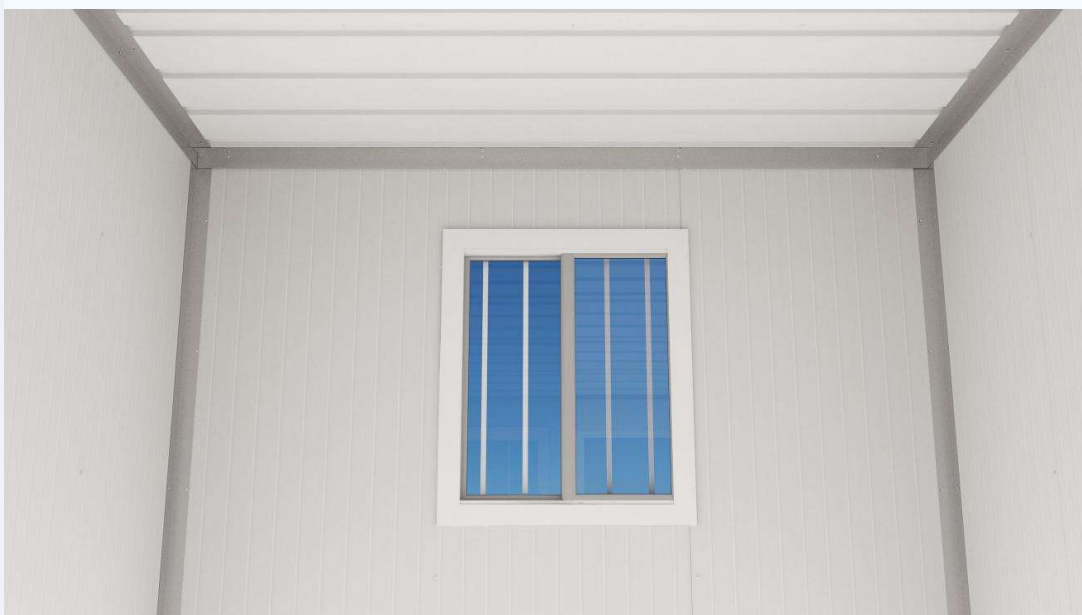
**FIX CORNER ALUMINUM**

Fix the corner aluminum to the wall panel using flathead drill screws



Use **flathead drill screws** in this step





**FIRST STEP**

**CORNER ALUMINUM SEALING SIDE**

Repeat the previous step and cover the gap between ceiling and wall panels with corner aluminum

**SECOND STEP**

**FIX CORNER ALUMINUM**

Fix corner aluminum to wall panels and ceiling using flathead drill screws



Use **flathead drill screws** in this step



**FIRST STEP**

**PLACE THE DOOR INTO THE FRAME**

Insert the door frame into the groove of the door sleeve as shown

**SECOND STEP**

**FIX CORNER ALUMINUM**

Open the door, remove the hole plug on the door cover, screw in the flathead drill screws or rivets fixed



Use **flathead drill screws** in this step





**PLACE THE DOOR INTO THE FRAME**

**FIRST STEP**

Insert the door frame into the groove of the door sleeve as shown

**FIX CORNER ALUMINUM**

**SECOND STEP**

Remove the hole plug on the door cover, screw in the flathead drillscrew or rivet, fix it on the door cover and wall panel, then fill in the hole plug



Use **flathead drill screws** in this step

**COMPLETE PRODUCT  
EFFECT DISPLAY**





# THANK YOU

