

## Instruction:

### Container size parameters:

Length: The standard size is 6000,6058mm (external size). Special specifications need to be customized.

Width: The standard size is 2438, 3025mm (external size). Among them, the width of 3025mm is not applicable to the transportation of 40-foot high cabinets. Special specifications need to be customized. Height: The standard size is 2591mm (outer size). Can be increased according to the modulus of 200mm, up to 3591mm, internal net height = external height -263mm

### Container bottom parameters:

Bottom deck board: Standard 18mm calcium sulphate board, optional 18mm cement fiber board.

Floor: Standard is 1.6mm PVC, optional aluminum tread plate, floor tile, etc.

Insulation: The standard is not insulated, optional PU foam filling, bottom sealing plate: 0.4mm color steel veneer.

### Container top parameters:

Container top plate: The standard is 0.4mm color steel veneer, special thickness can be customized. Ceiling board: The standard is 0.4mm color steel veneer, special thickness can be customized. Temperature protection: PU foaming and filling, thickness 60mm.

### Wall panel parameters:

Wallboard core material: standard configuration is EPS, optional PU, glass wool, rock wool. Wall panel thickness: The standard is 50, 75mm, special specifications must be customized. Color steel plate thickness: standard 0.40mm, color RAL9016

### Door and window parameters:

Door: The standard size is 960x2050mm steel door.

Window: 1150 wall panel standard window: 1120mm wide x 1100mm high, inner sleeve PVC window, optional aluminum alloy.

950 wall panel standard window: 920mm wide x 1100mm high, inner PVC window, optional aluminum alloy.

### Lighting system parameters:

Lights: Standard configuration for 2 pcs 18W single tube fluorescent lamps.

Switch: Standard configuration is 1 rocker single control switch, optional 2pcs or more dual control switches.

Socket: The standard configuration is 2 pcs 10A universal sockets, multiple sockets and 16A air conditioning sockets.

Distribution box: The standard is 1 8-circuit distribution box, built-in 1 pc 2P32A total circuit breaker (without leakage protection), 1 pc 1P10A lighting circuit, 1 pc 2P20A with leakage protection socket circuit (including air conditioning). Outdoor inlet socket: 1 pc 32A level 3 waterproof

### Performance parameters and advantages:

Load: live load at the bottom of the tank 2.0kN/m<sup>2</sup>, live load at the top of the box 1.0kN/m<sup>2</sup>, overall wind resistance 1.0kN/m<sup>2</sup>

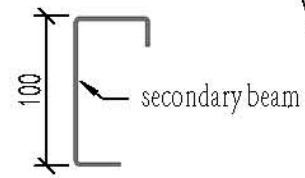
Material: All profiles of the frame are made of Q345B low-alloy carbon structural steel, cold-formed, high structural strength, light weight and economical price. All profiles of the frame are made of 275g/m<sup>2</sup> hot-dip galvanizing. After the welding machine is finished, the whole powder is painted and painted. The anti-corrosion performance is superior, the service life is >20 years, and the maintenance is not carried out under normal conditions for 10 years.

Connection: The container top frame and the bottom frame factory are welded together. Only the column needs to be installed at the site. The connection rigidity is high and the strength is high, the installation is simple and quick, the construction time is reduced, and the diagonal size during installation and transportation is also protected from external forces.

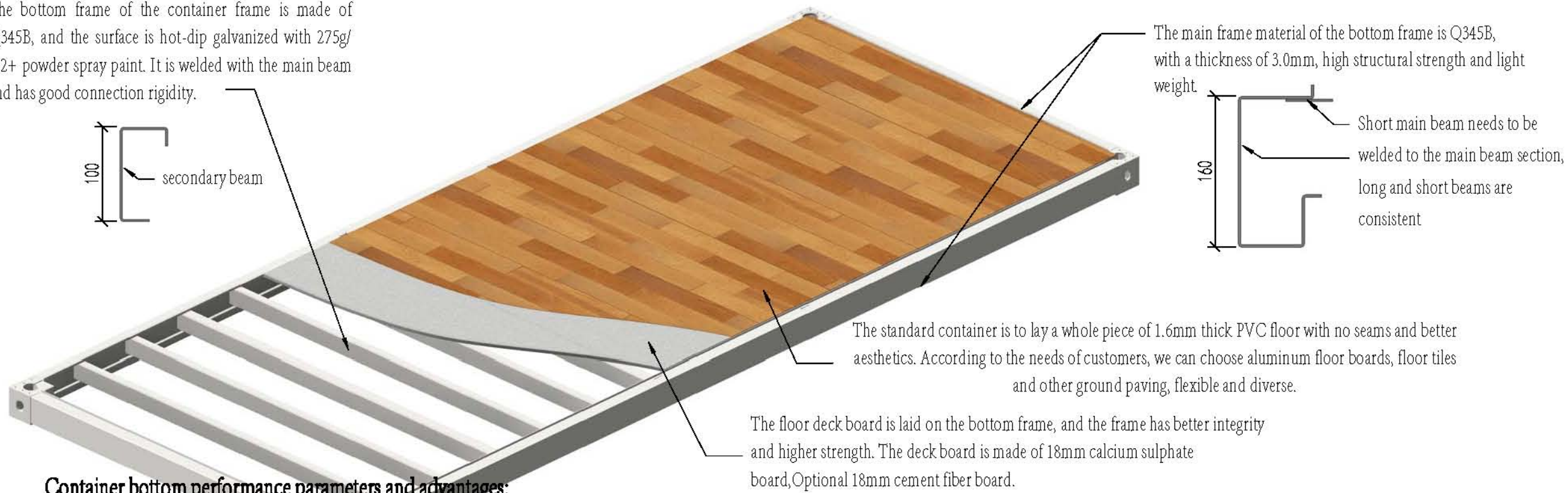
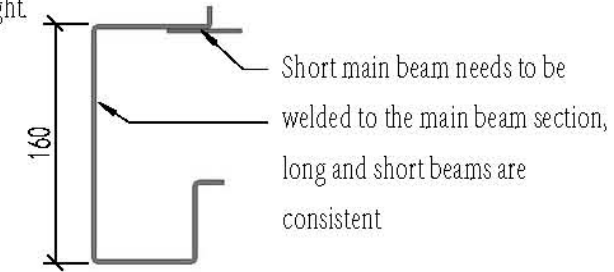
Installation: The cabinet structure has been industrially designed and the factory has been prefabricated to make the installation easier and faster while controlling the quality and quality. Normally, ordinary operators can get started after 1-2 days of training. The assembly of the entire frame (frame only) can be completed in one hour by two workers.



The bottom frame of the container frame is made of Q345B, and the surface is hot-dip galvanized with 275g/m<sup>2</sup>+ powder spray paint. It is welded with the main beam and has good connection rigidity.

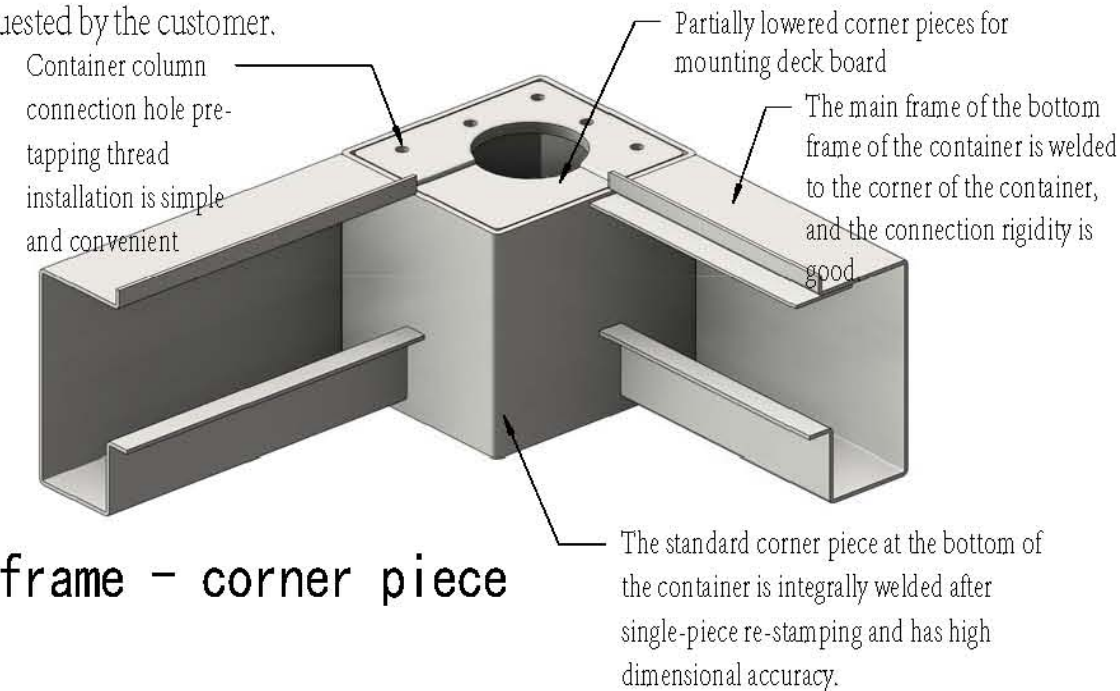
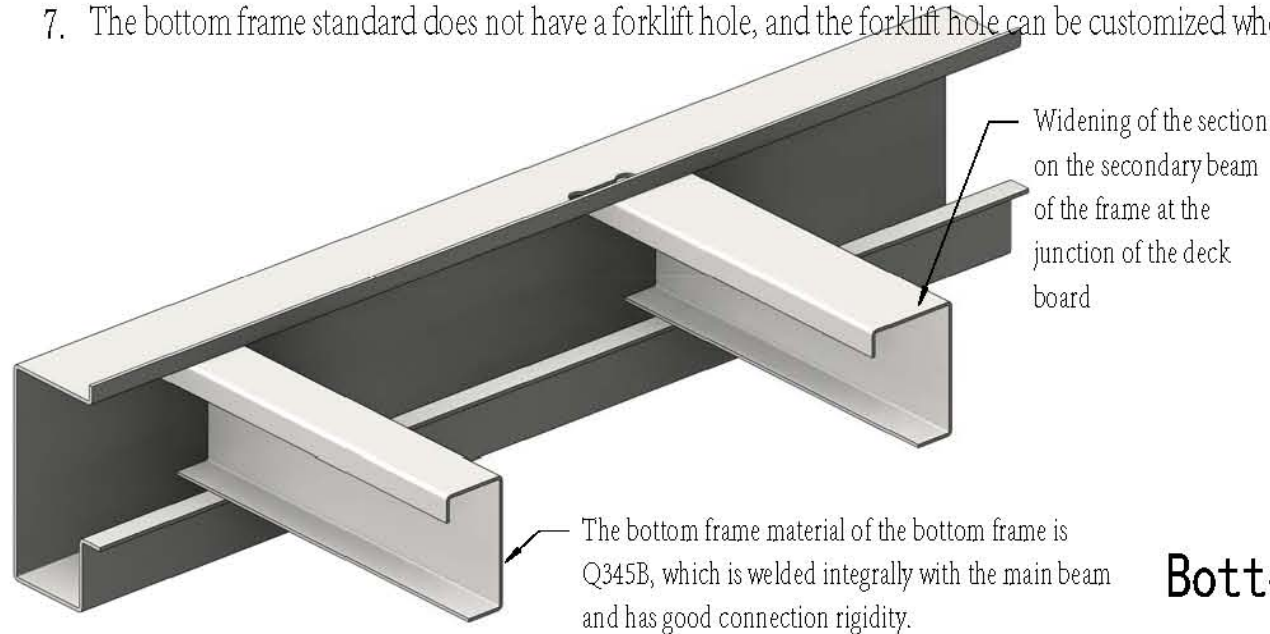


The main frame material of the bottom frame is Q345B, with a thickness of 3.0mm, high structural strength and light weight



### Container bottom performance parameters and advantages:

1. All profiles of the bottom frame of the container are Q345B low-alloy carbon structural steel, which adopts cold-bending forming, high structural strength and light weight, and the live load at the bottom of the container can reach 2.0kN/m<sup>2</sup>.
2. All the profiles of the bottom frame of the container are welded into one piece, and the joint rigidity is high and the strength is high. Simplify installation to reduce workload on the construction site.
3. The bottom frame of the container is galvanized, and the whole is powder painted after the welding is completed. The anti-corrosion performance is superior and the service life is  $\geq 20$  years. Under normal circumstances, maintenance is not required for 10 years.
4. On the bottom frame of the container, the factory completes the laying of the deck board, which reduces the workload on the construction site, and also increases the integrity of the frame and the strength is better.
5. There are lifting holes and forklift holes on the bottom of the container to facilitate the installation and handling of cranes or forklifts on the construction site.
6. When there is insulation demand at the bottom, the bottom frame of the container can increase the installation of the color steel sealing bottom plate, and the internal is PU foam.
7. The bottom frame standard does not have a forklift hole, and the forklift hole can be customized when requested by the customer.



### Bottom frame - corner piece

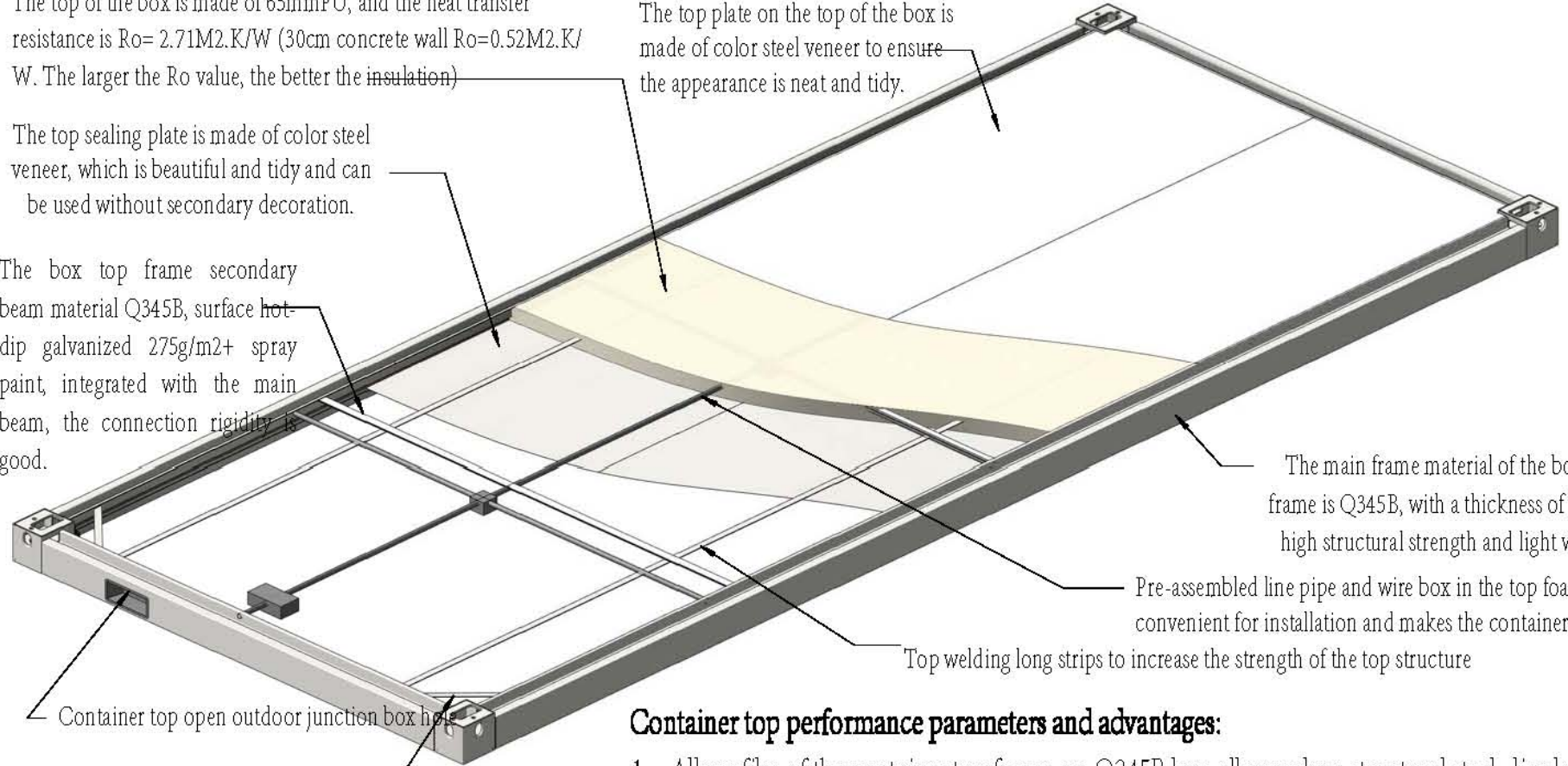
### Bottom frame - secondary beam and forklift beam

The top of the box is made of 65mm PU, and the heat transfer resistance is  $R_o = 2.71 M^2 \cdot K/W$  (30cm concrete wall  $R_o = 0.52 M^2 \cdot K/W$ . The larger the  $R_o$  value, the better the insulation)

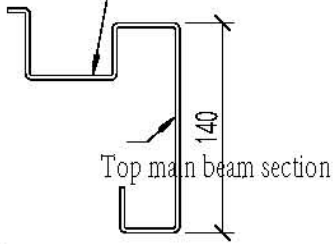
The top sealing plate is made of color steel veneer, which is beautiful and tidy and can be used without secondary decoration.

The box top frame secondary beam material Q345B, surface hot-dip galvanized 275g/m<sup>2</sup>+ spray paint, integrated with the main beam, the connection rigidity is good.

The top plate on the top of the box is made of color steel veneer to ensure the appearance is neat and tidy.



55x35mm drainage groove on the beam, the drainage is smooth and unblocked



The main frame material of the box top frame is Q345B, with a thickness of 3.0mm, high structural strength and light weight

Pre-assembled line pipe and wire box in the top foaming, which is convenient for installation and makes the container more beautiful.

Top welding long strips to increase the strength of the top structure

Container top open outdoor junction box hole

Bracing is added to the top corners of the container to ensure the strength of the top of the container

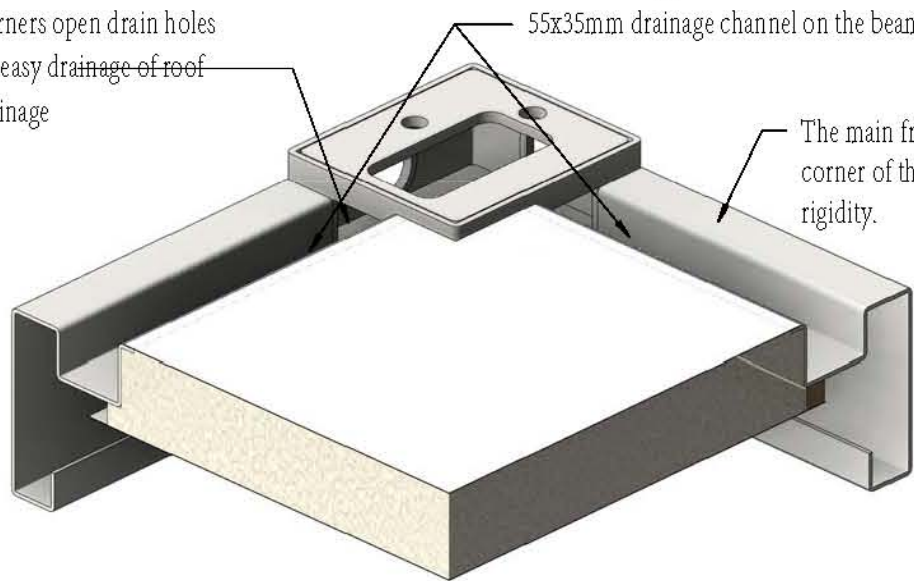
**Container top performance parameters and advantages:**

1. All profiles of the container top frame are Q345B low-alloy carbon structural steel, live load of 1.0kN/m<sup>2</sup> at the top of the container.
2. All the profiles of the container top frame are welded into one piece, and the connection rigidity is high and the strength is high.
3. The four corners of the container top frame are welded with bracing, to improve the strength.
4. The top frame of the container is galvanized, powder painted after the welding, the service life is  $\geq 20$  years. Under normal circumstances, maintenance is not required for 10 years.
5. There are lifting holes on the top of the container to facilitate the installation and handling of cranes or forklifts on the construction site.
6. The top insulation of the container top adopts the upper and lower color steel veneer sealing board. The inside whole PU foam filling, integrated with the frame to ensure the heat insulation and improved structural strength
7. The overall PU foam filling of the top of the container has better waterproofness and integrity

Corners open drain holes for easy drainage of roof drainage

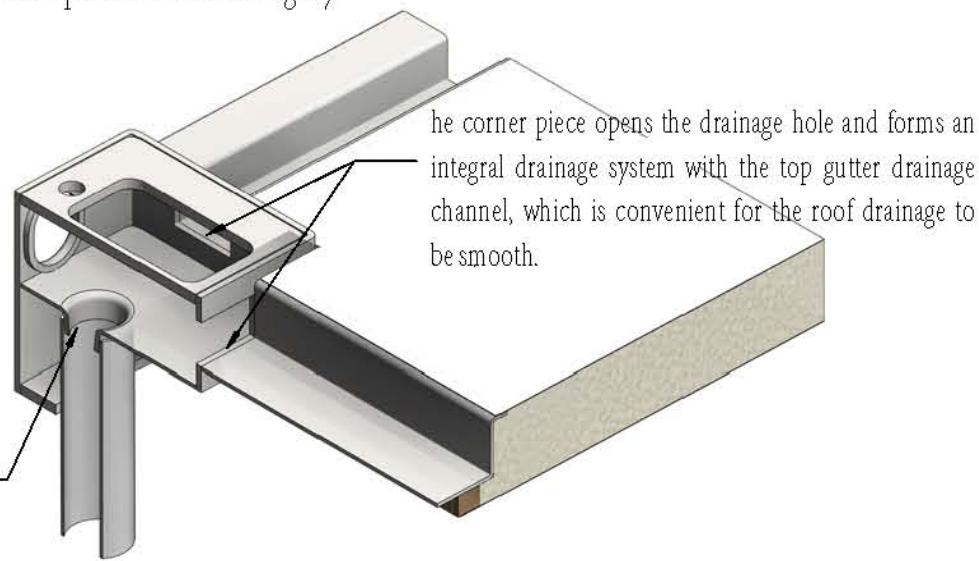
55x35mm drainage channel on the beam

The main frame of the top frame is welded to the corner of the container and has good connection rigidity.



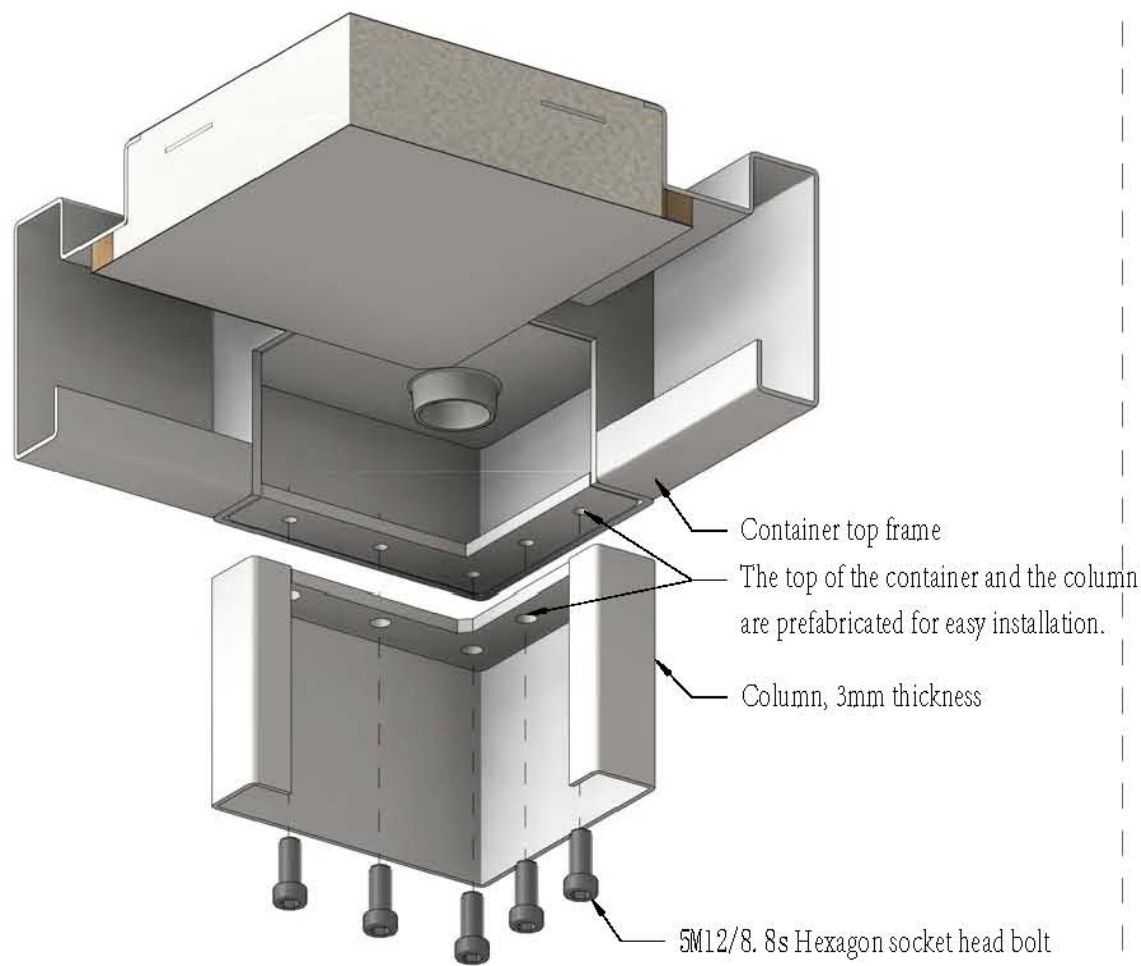
The corner piece opens the drainage hole and forms an integral drainage system with the top gutter drainage channel, which is convenient for the roof drainage to be smooth.

$\Phi 50$ mm PVC rainwater pipe  
The buckle is stretched outside the corner piece, the drainage is smooth and watertight, and the drain is provided at all four corners.

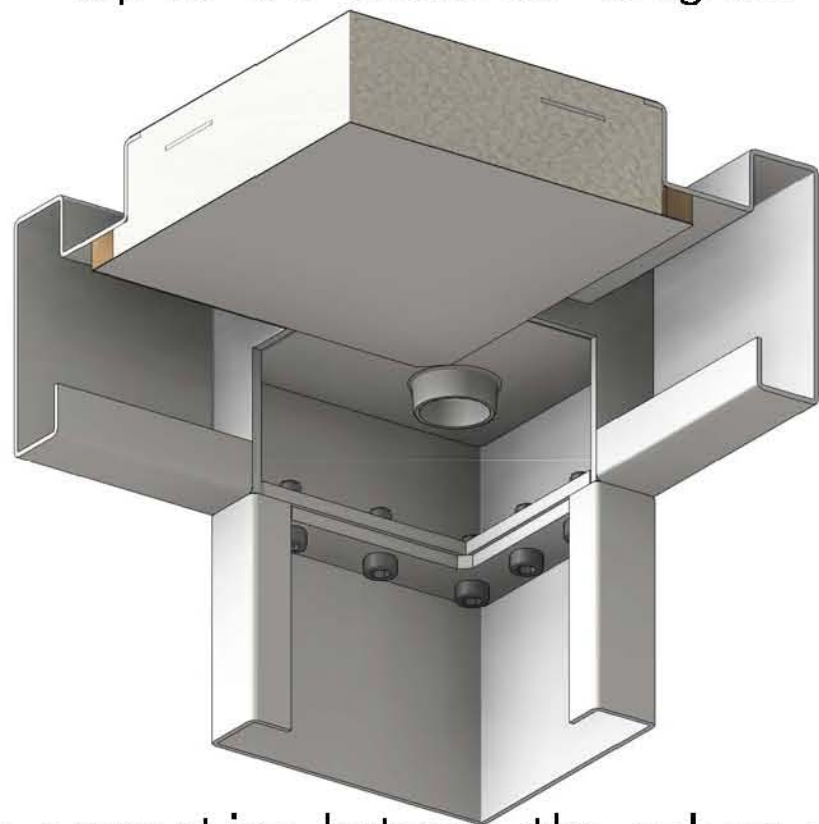


**Container top frame - corner piece welding**

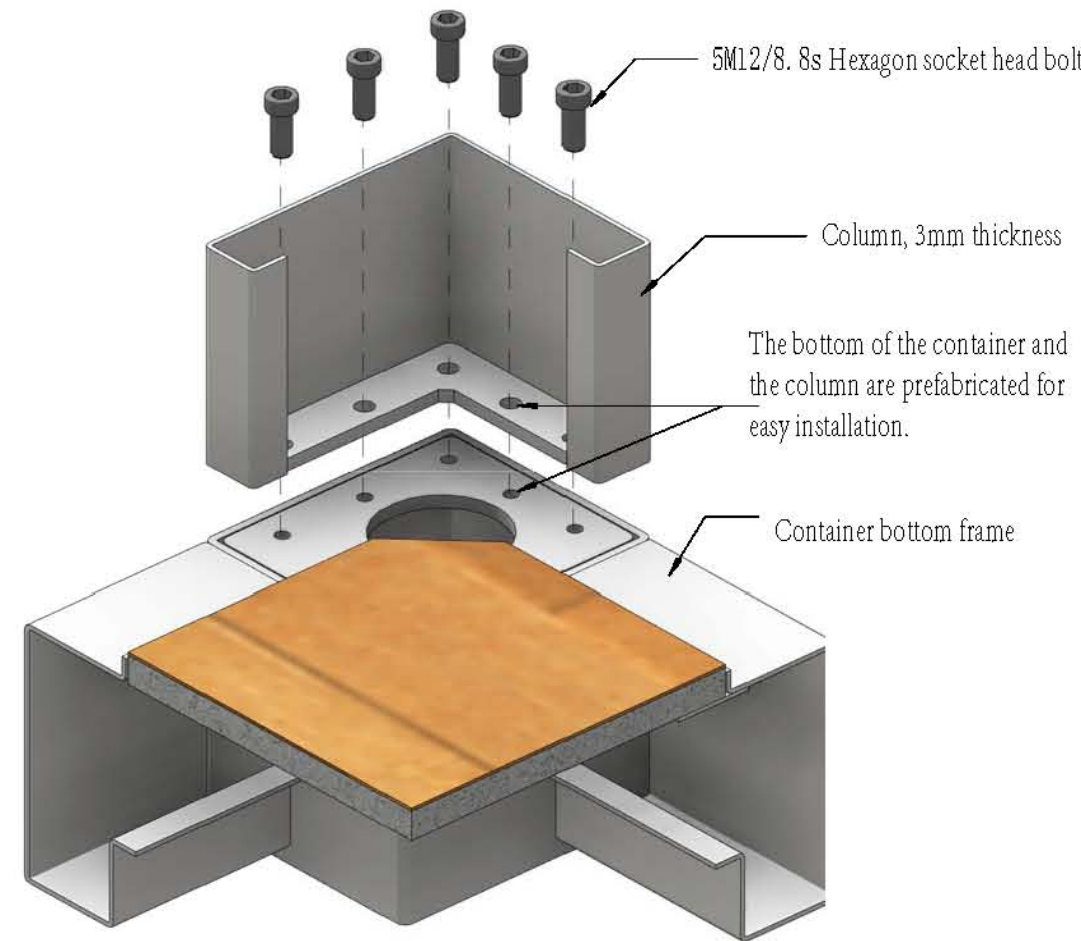
**Container top frame - drainage diagram**



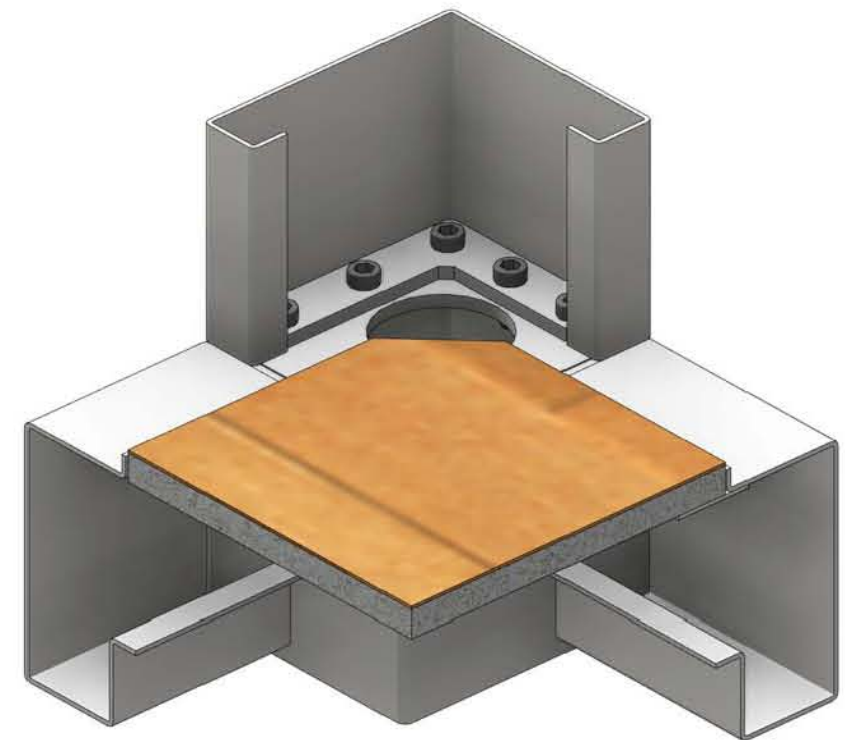
The connection between the column and the top of the container-diagram1



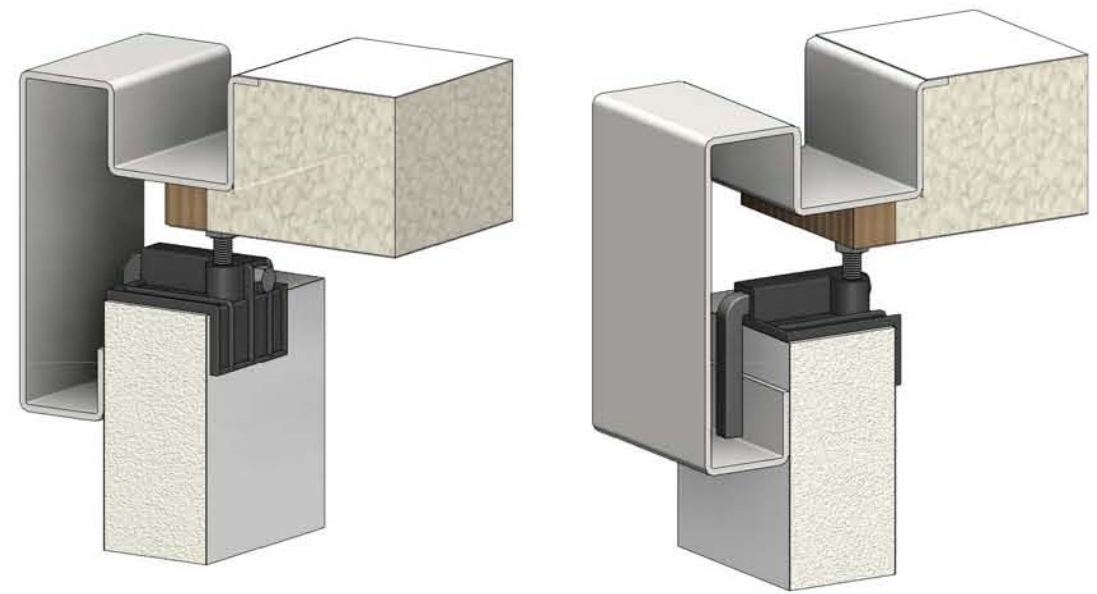
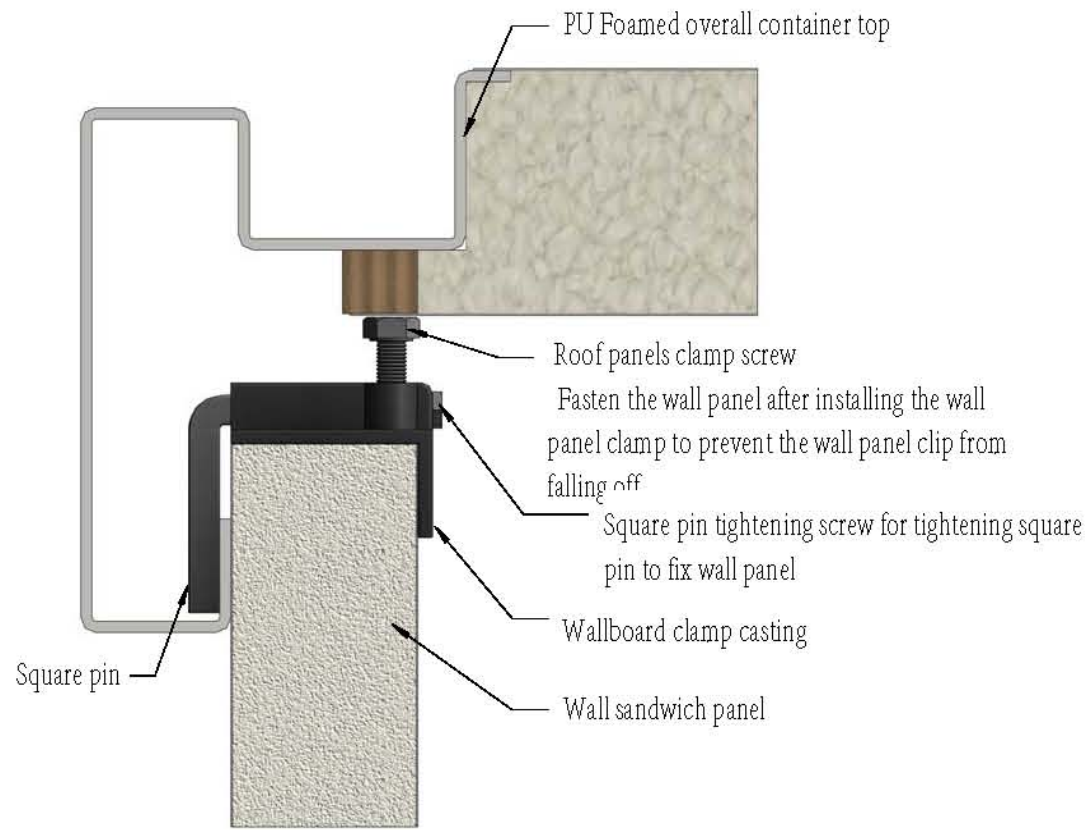
The connection between the column and the top of the container-diagram 2



The connection between the column and the bottom of the container-diagram1

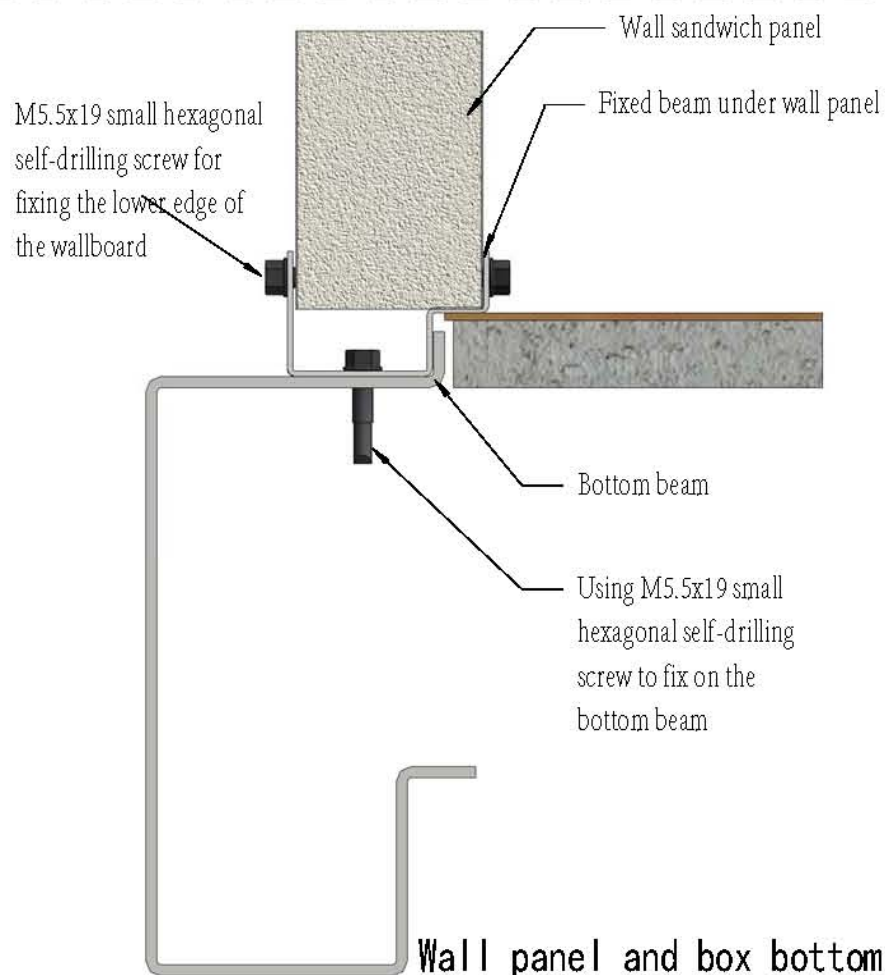


The connection between the column and the bottom of the container-diagram 2



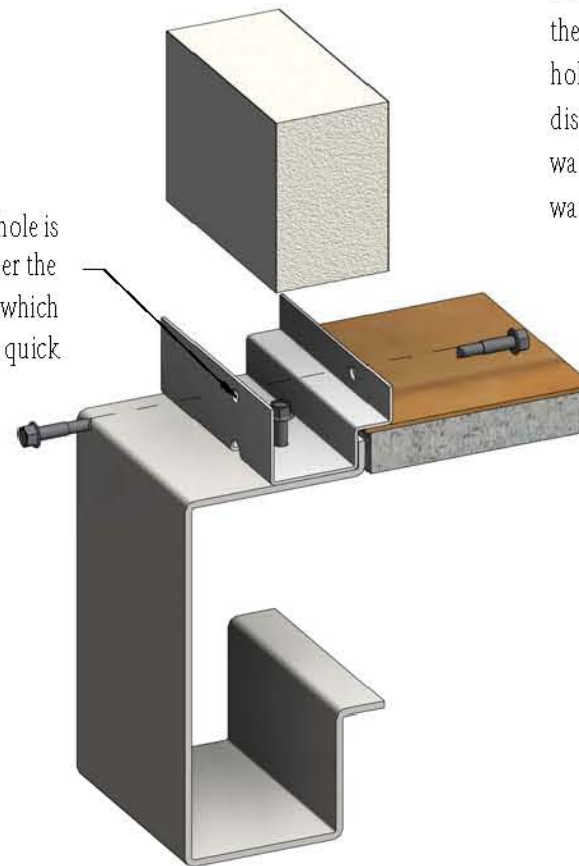
the wall panel and the top of the container fixed diagram 2

Wall panel and box top fixed diagram

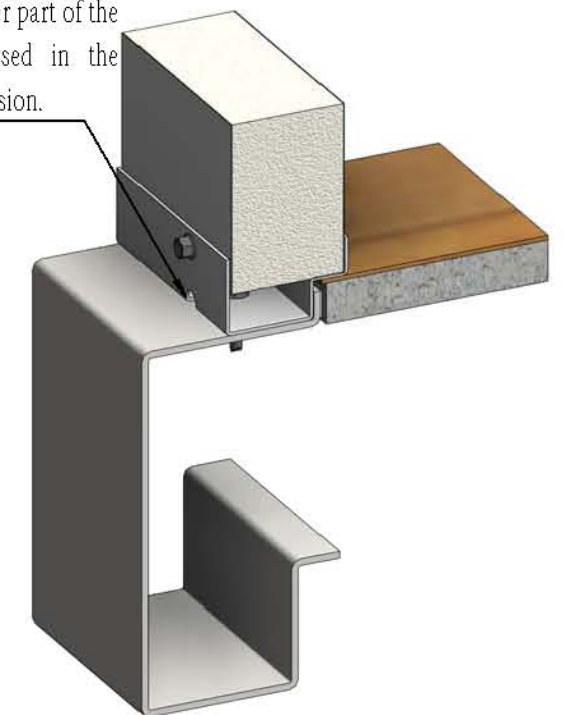


Wall panel and box bottom installation

The  $\phi 6$  screw hole is prefabricated under the plate fixing plate, which is convenient and quick to install.



The prefabricated drainage hole, the wall plate and the drainage hole are reserved for a certain distance, and the lower part of the wall plate is immersed in the water to receive corrosion.

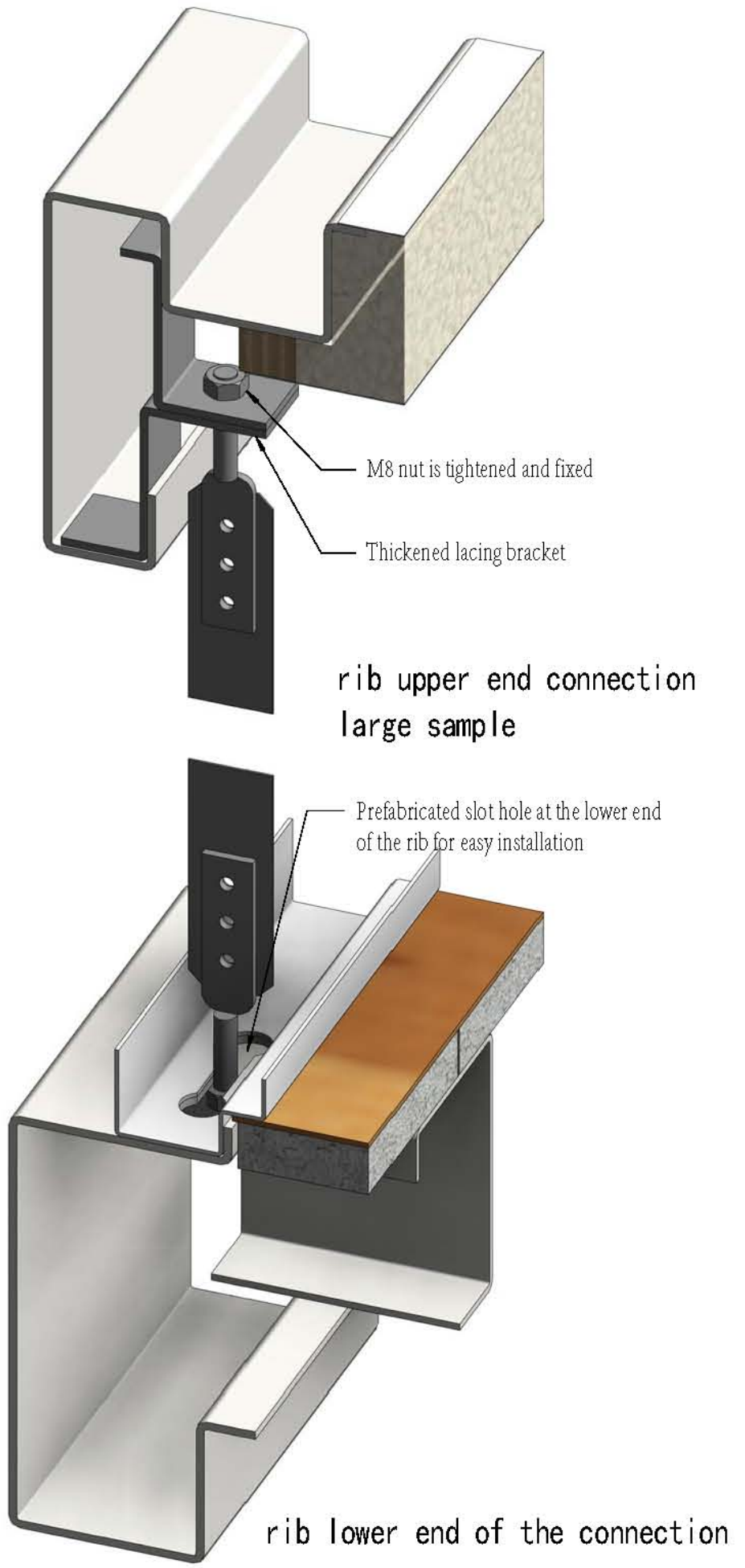


Wall panel and box bottom installation 2



The reinforcement is installed in the direction of the long face of the container to increase the overall structural strength.

Rib installation



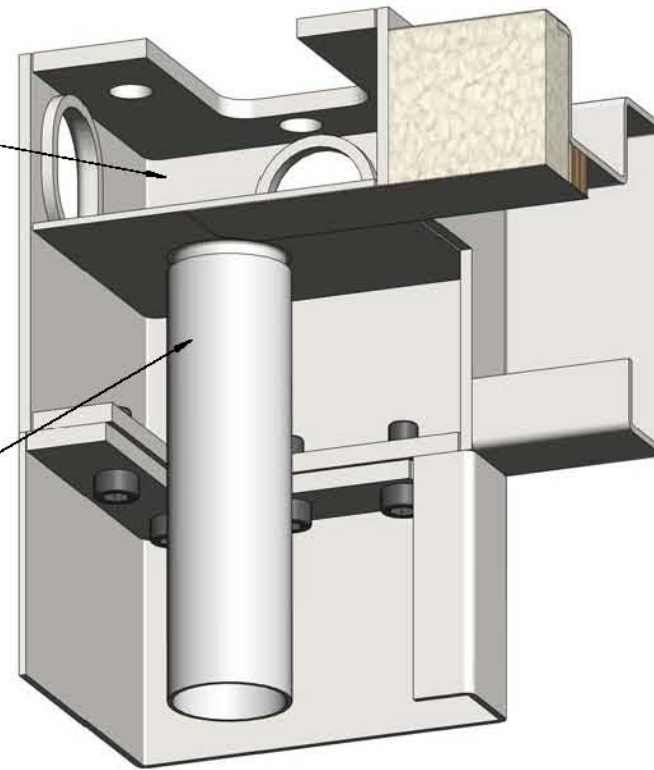


Corner column and rainwater pipe installation diagram

The inner cavity of the corner piece also serves as a drainage funnel, which discharges water smoothly and is not easy to block.

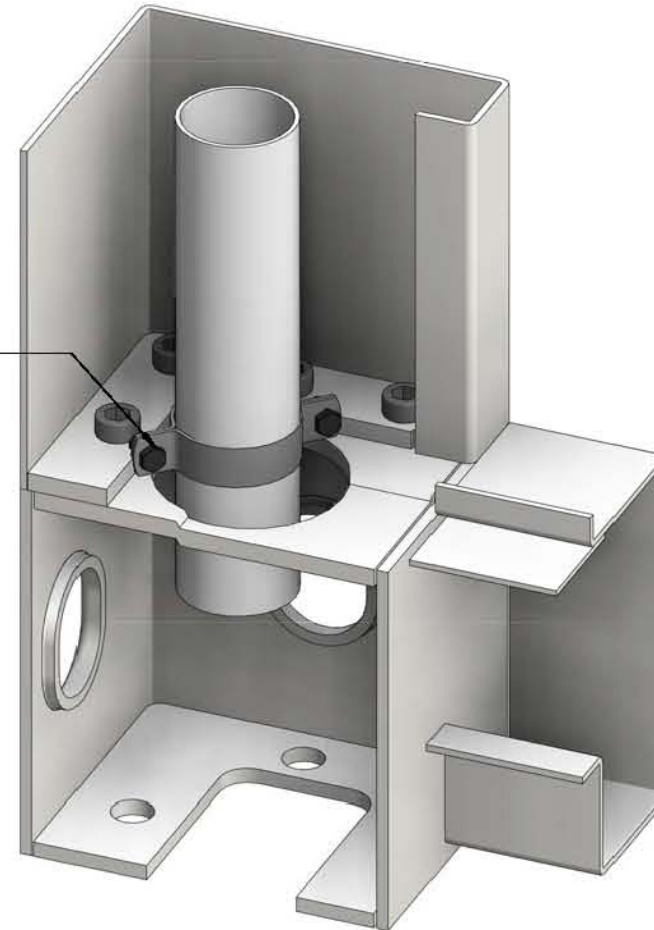
Φ 50mm PVC drain pipe

The buckle is stretched over the upper corner piece, the drainage is smooth and the water is not leaking, and the four corner columns are provided with drainage pipes.

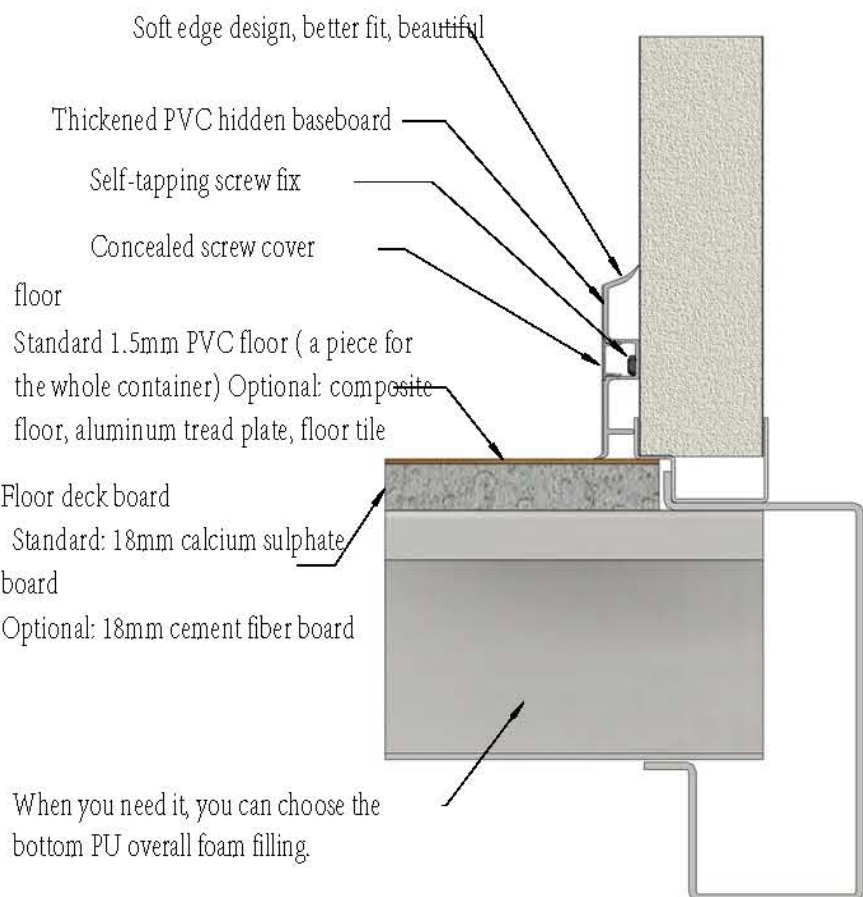


the upper end of the rainwater pipe fixing diagram

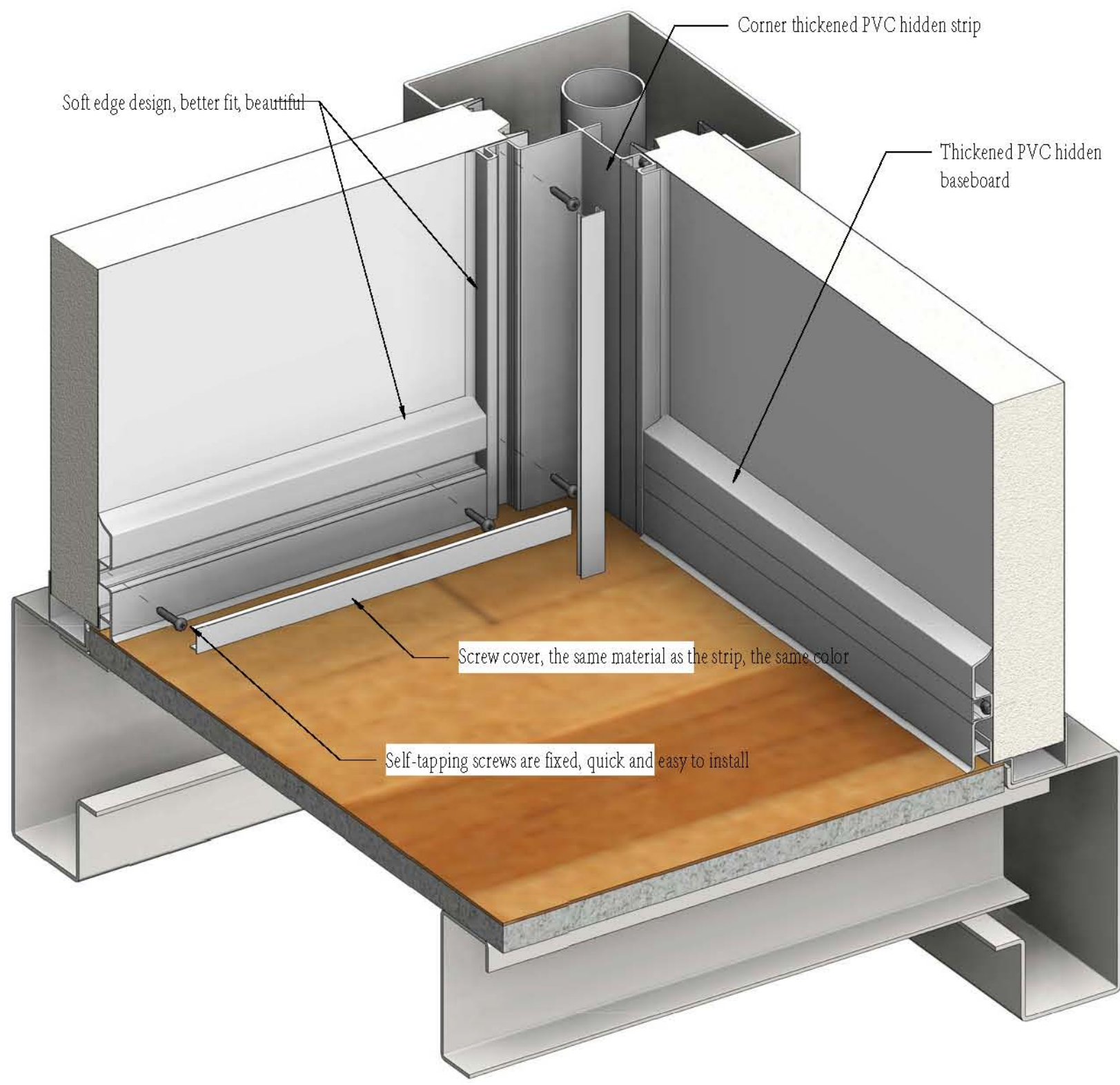
The lower end of the drain pipe is fixed by a hoop, and the lower corner piece is prefabricated with a gully opening.



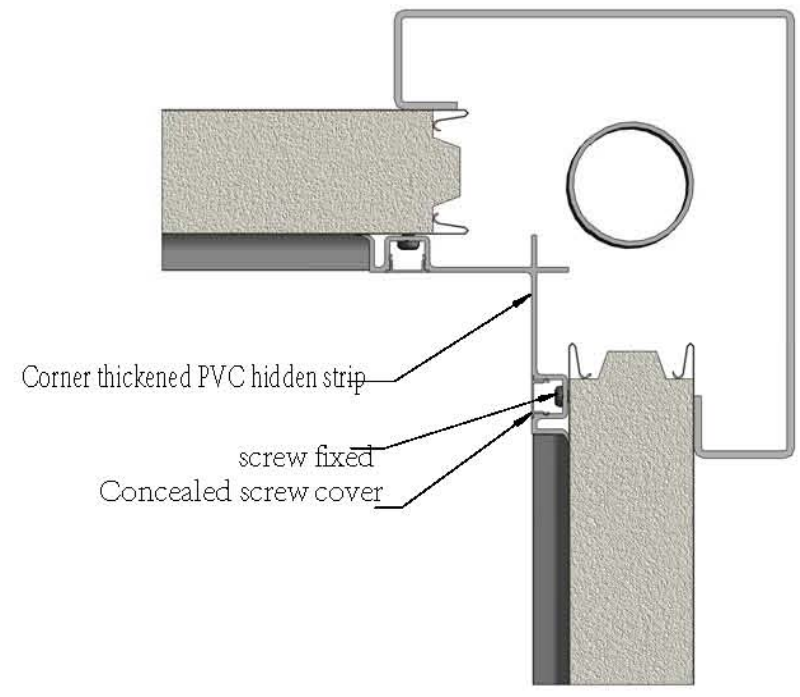
The lower end of the rainwater pipe fixing diagram



Bottom skirting diagram

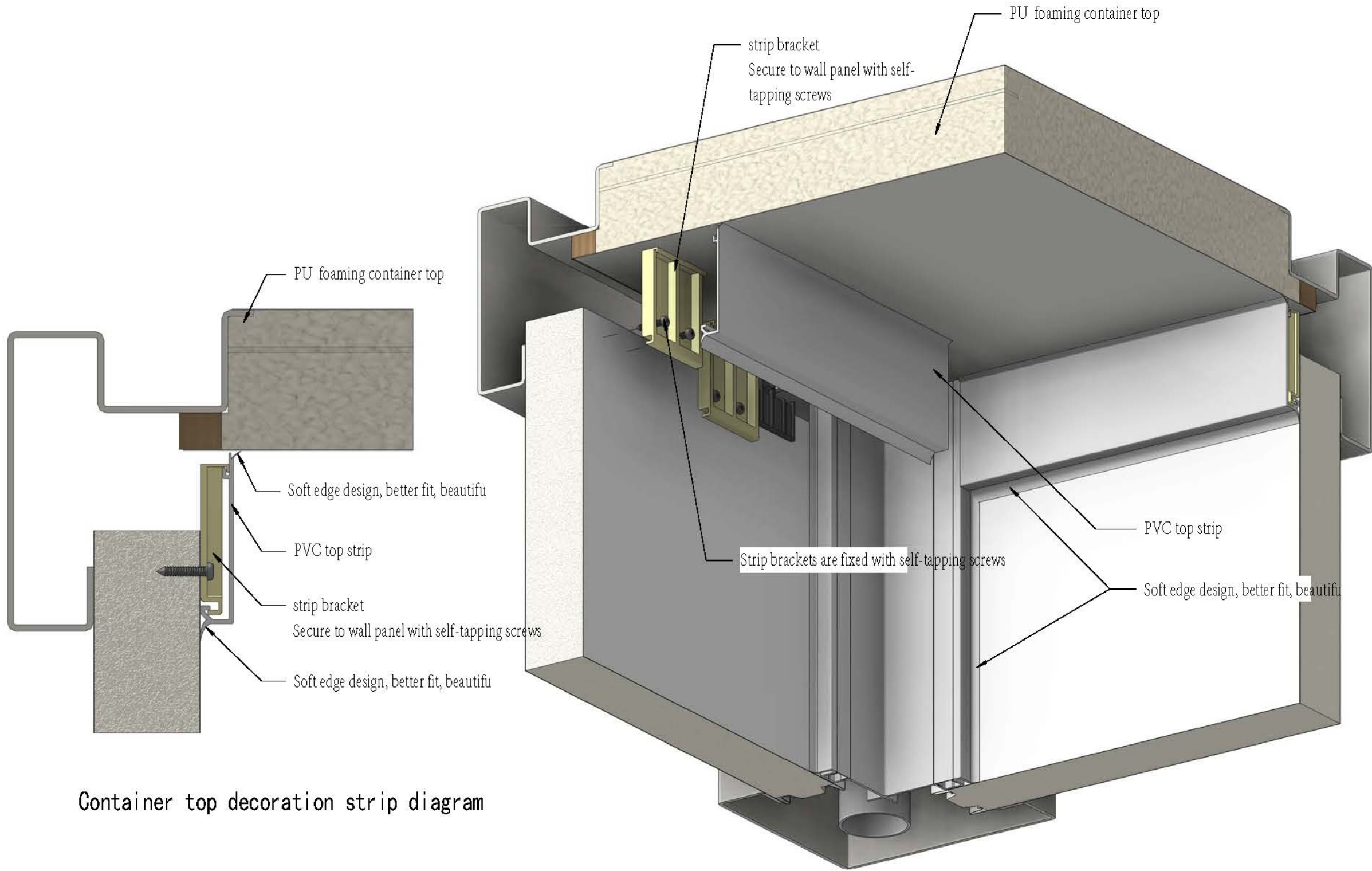


Bottom skirting and corner decoration strip diagram



Corner decoration strip diagram





Container top decoration strip diagram

Container top decoration strip and corner strip diagram