GENERAL CONSIDERATIONS FOR THE ASSEMBLY OF HP-CT ROOF PANELS

Product safety:
It is necessary to consider the information that appears in the Product Safety Data Sheet.

Precautions:
To prevent scratches, dents and warping during assembly, footwear must be worn rubber, remove the shavings after the cuts and do not dispose concentrated loads on the panels.

Bindings:
Fixing screws must be selected based on the material of the support and the requirements strength and durability. The tightening torque of the screwing machine must be the necessary to guarantee a good fixation, avoiding excessive torques that can cause deformations surface on the outer sheet of the panel.

Protection film:
Verify that the panel protection film (if any) has been completely removed to measure that the panels are fixed to the support structure.

Grounding:
It is recommended to ground the panels and the load-bearing structure of the roof, in order to to prevent the build-up of static electricity.

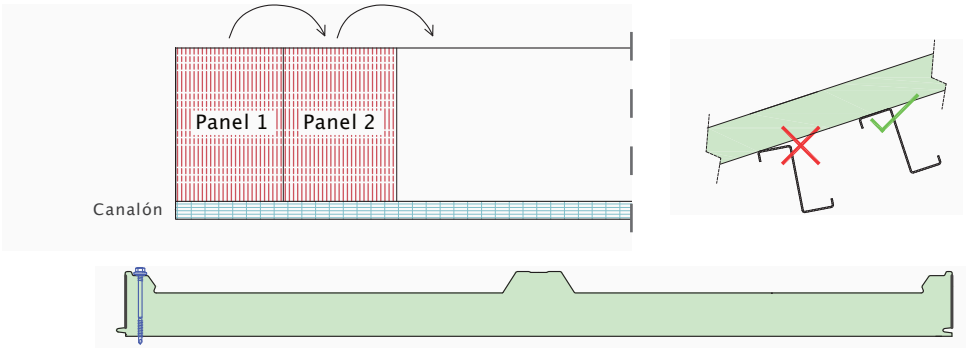
ASSEMBLY OF HP-CT NON-OVERLAP ROOF PANELS

Minimum roof slope: 4% (a minimum slope of 5% is recommended)

Assembly hand: The HP-CT cover panel has no mounting hand when mounted without overlap. It is only necessary to respect the anchoring of the tongue and groove.

Assembly sequence:

1. Remove the temporary protection film as the panels are installed (if applicable).
2. Place in the structure all those mounting accessories provided under the panel, that is, that are in contact with the load-bearing structure of the roof. It is recommended to apply a cord of watertightness on the ridge strap before placing the cover panel.
3. Attach the first panel to the structure starting with nerve adjoining the lateral the cover. The board has to support perfectly on the support. The screw must be fixed perpendicular to the centered panel surface over the crest.



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4. Place the second panel, respecting the tongue and groove. For an easier fit, the panel should enter at a slight incline.

5. Screw both panels to the structure, along the ridges adjacent to the tongue and groove, and fit the flashing.

6. Proceed in the same way with the rest of the roof, checking alignment at all times. between panels and the alignment of the panels with the structure.

7. Once the cover is finished, cut the excess side part of the last panel with a hacksaw. jig or cold cutting disc and remove any chips that may remain on the surface after cutting.

8. Assemble the rest of the roof elements (finishes, finishes, etc.).

ASSEMBLY OF HP-CT ROOF PANELS WITH OVERLAP

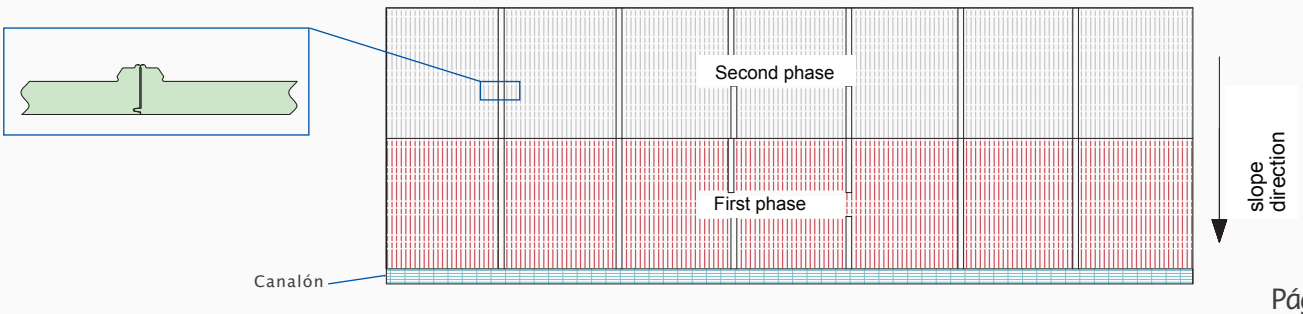
Minimum roof slope: 7% (a minimum slope of 10% is recommended)

Panel overlap: The meeting of the two overlapping panels must always take place on a belt. The wing width of said belt will be at least 80mm. A minimum overlap length of 200mm is recommended. The panel lap and the flashing lap must not match, remaining offset by at least 50 cm.

Assembly sequence:

1. Remove the temporary protection film as the panels are installed (if applicable).

2. Fix in the first phase the panels of the lower part of the slope, in a similar way to what is indicated for mounting without overlap, but without screwing the panel to the upper purlin where it will be made the overlap Looking at the panel from the bottom of the slope, the male of the panel
It should be on the left and the female on the right.



HUURRE PANAMA, S.A.
Parque IndustrialMilla8| Ave. Simón Bolivar| Panamá
Tel. (+507) 203 0310 / 394 2049| Whatsapp (+507) 68373219
M: huurre@huurrepanama.com| W: www.huurrepanama.com

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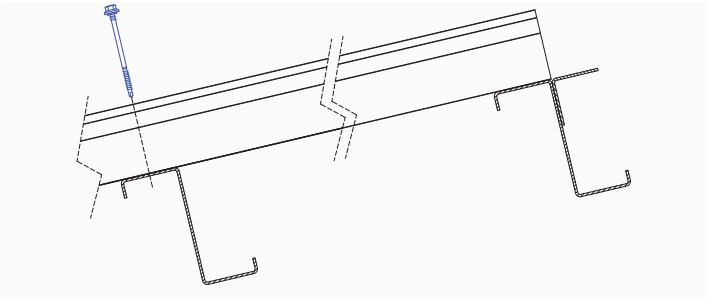
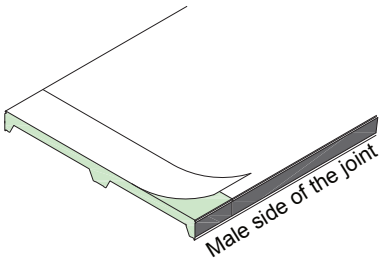
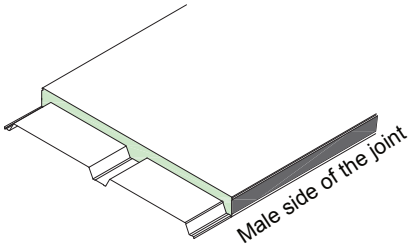
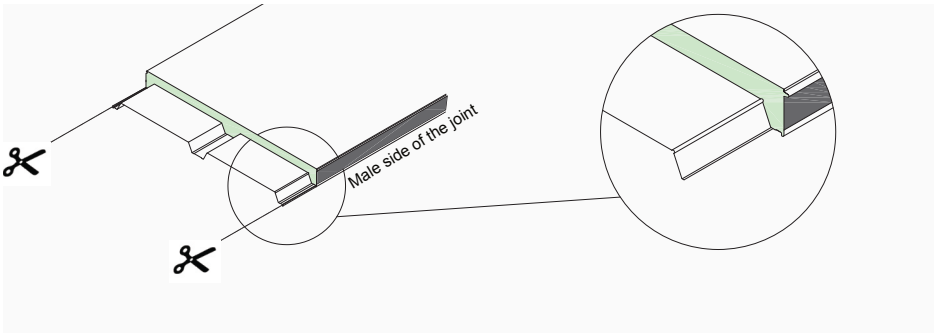


3. Remove the inner (pre-cut) sheet metal and panel foam that goes with the lap cut (top panel).



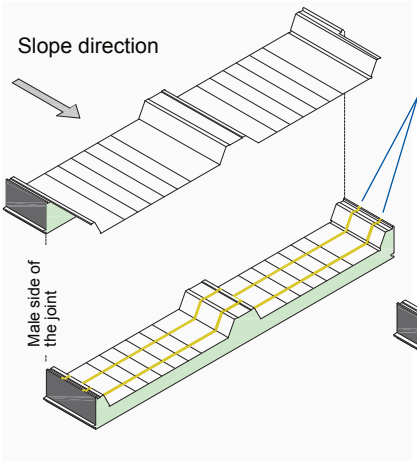


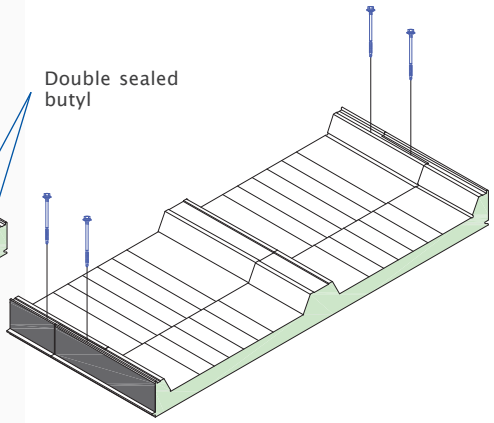
4. Cut the lateral edges of the overlap and remove the excess sheet metal.

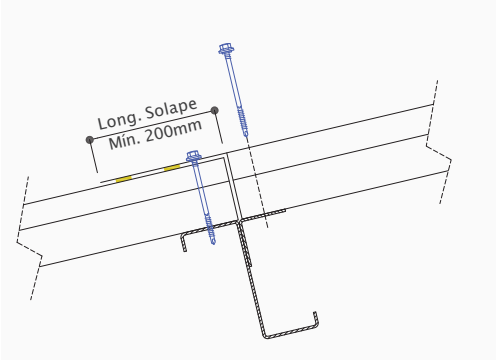


5. Apply a double seal with butyl in the overlap area of the lower panel, pre-cleaning and drying the surface.

6. Place the panel on the upper part of the overlap. Attach the panel at the bottom of the overlap to the purlin, and then the one upstairs.







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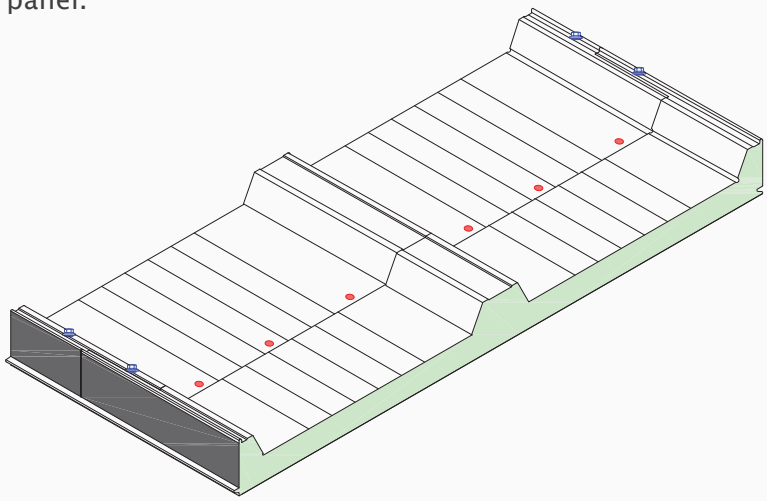
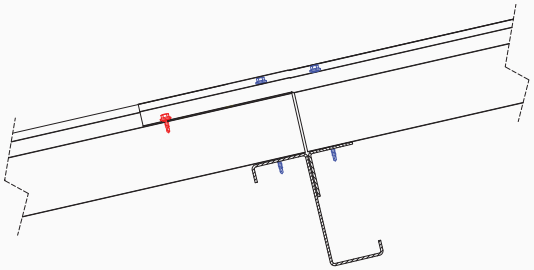
7. Sew with 2 or 3 screws per valley (in red in the drawing) the sheet of the overlap with the lower panel.





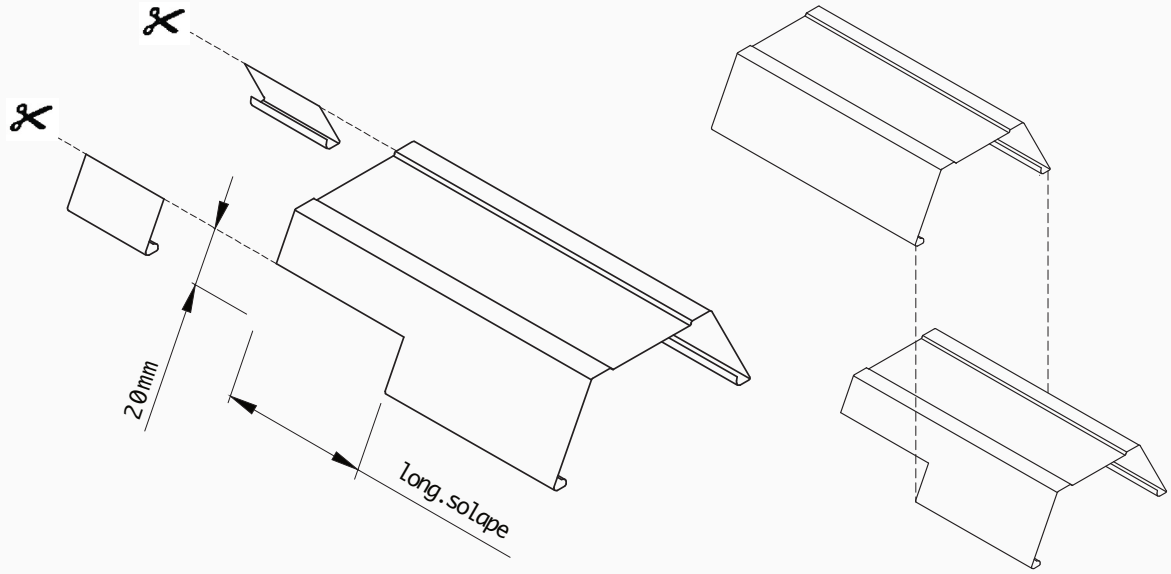
8. Proceed in the same way with the adjacent panels.

9. Flashing overlap: To prevent water seepage, flashings must be overlapped as is indicated below:

9.1. Apply sealant in the upper part of the longitudinal joint between panels, in a length of one meter above and below the overlap line.

9.2. SIt is recommended to place the flashings so that there is a minimum offset of 50 cm between the panel lap and the flashing lap. This offset can be achieved as easy by exchanging the top and bottom panel flashings.

9.3. Cut about 20 mm from the sides of the flashing that will be placed in the lower part, with panel lap length, and position it. Next, install the top flashing.



HUURRE PANAMA, S.A.
Parque IndustrialMilla8| Ave. Simón Bolivar| Panamá
Tel. (+507) 2030310 / 394 2049|Whatsapp (+507) 68373219
M: huurre@huurrepanama.com | W: www.huurrepanama.com

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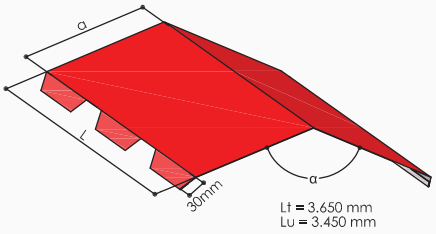
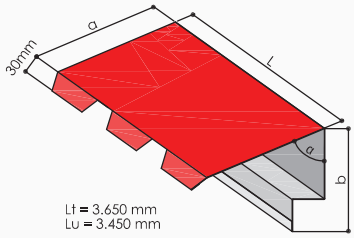
COMPLEMENTS AND AUCTIONS

HUURRE has a wide range of trims and accessories, suitable to facilitate the execution cover and achieve an optimal finish.

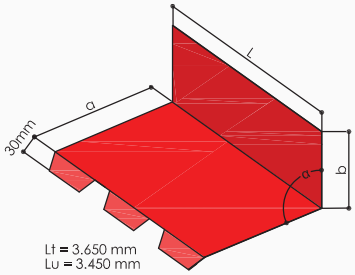
Goal attempts: Made to measure with 0.6 mm thick sheet steel, according to the needs of each client and specific project. Die-cut trim length: Width of 3 panels +200 mm overlap.



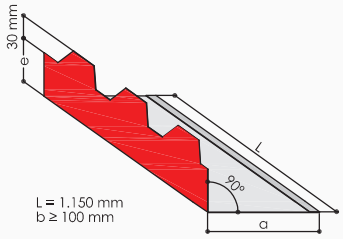
DIE-CUT RIDGE



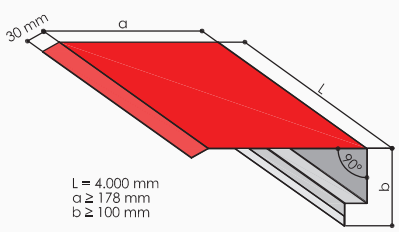
HIGH PENDING CORONATION



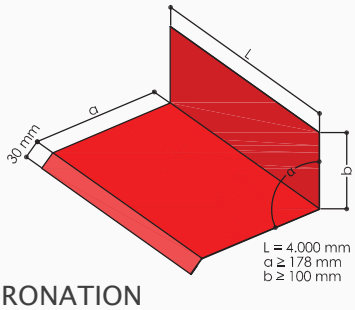
UNION OF FACADE TO HIGH DEPENDENT



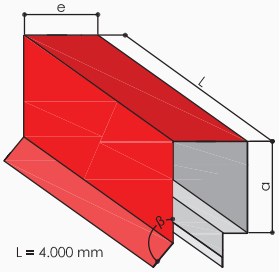
LOWER DIE-CUT FINISH DEPENDENT. (Width 1 panel)



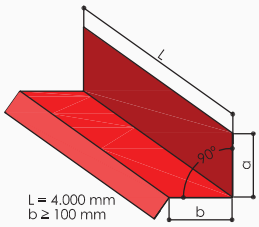
SIDE CROWN DEPENDENT



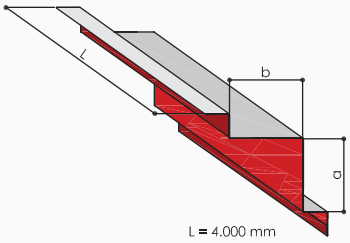
CORONATION FROM FACADE TO SIDE



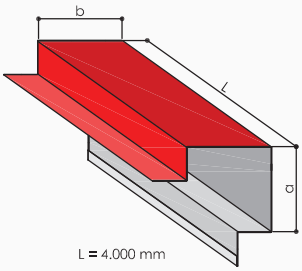
CORONATION OF COPING



FLASHING



INSIDE ANGLE



OUTSIDE ANGLE

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CONSTRUCTIVE DETAILS

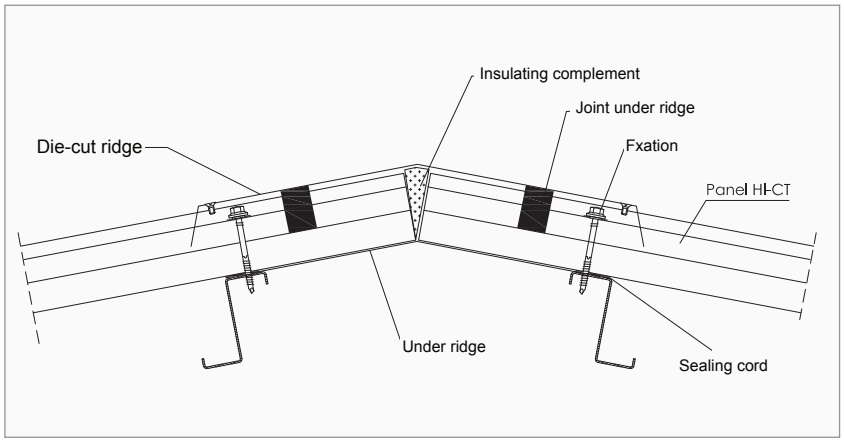
In the assembly of systems that have their fixings visible, it is necessary to use machines screwdrivers with depth limiter, to prevent the screws from causing subsidence on the external surfaces of the elements to be fixed.

Double slope ridge:

The ridge is solved with a shot die-cut to fit the ribbed profile of the panel.

The joint point between the panels will be filled with an insulating complement to give continuity to insulation.

It is recommended to place a cord of tightness between the panel and the first purlin, to act as a vapor barrier. In case the ridge is not punched a low profile will necessarily be placed ridge, in polyethylene, which adapts to the ribbed panel.

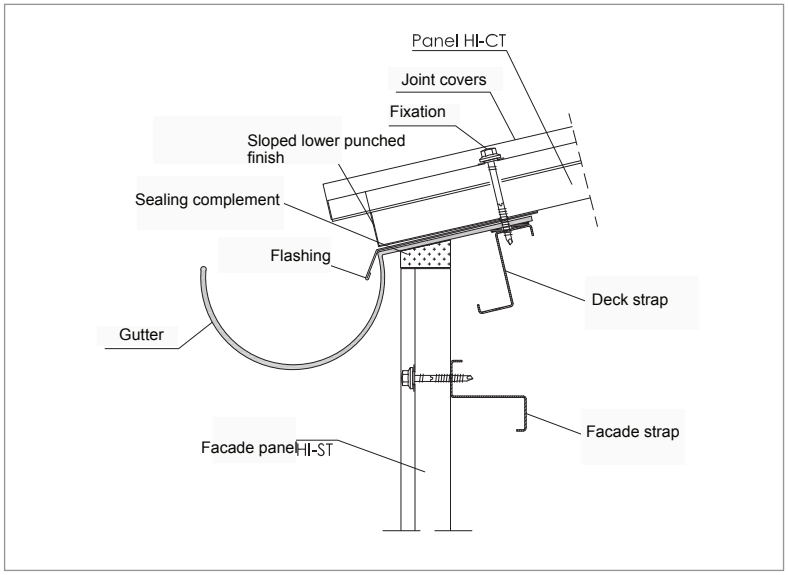


Union of roof with facade and exterior gutter:

The gutter and flashing are supported over the last deck strap or element of the supporting structure. A gutter profile delivers to the gutter.

Using a self-tapping screw will simultaneously fix the panel, the flashing and gutter.

There will be a cord tightness between the panel and the flashing, which will act as a barrier steam. Optionally, the kernel will be hidden cover panel insulation with a stamped steel finish, which is adapts to the ribs of the panel.



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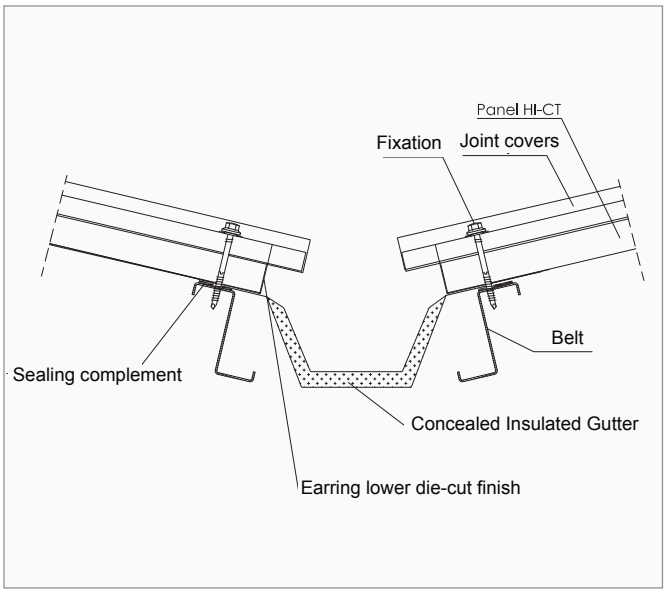
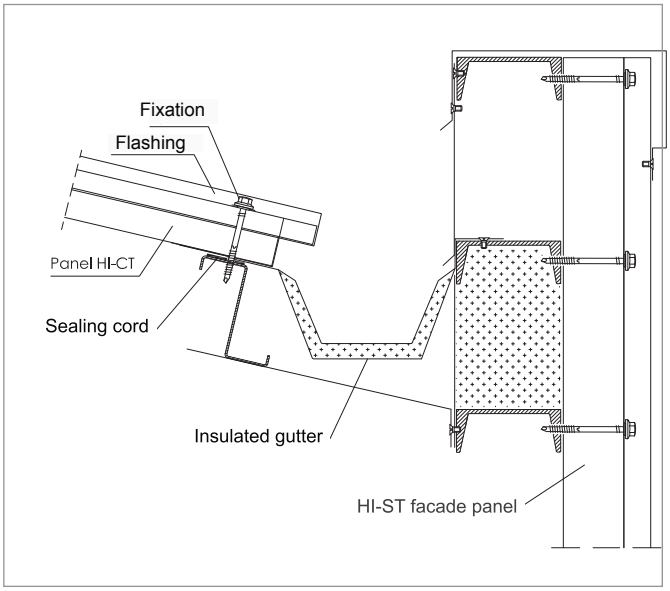
Roof joint and inner gutter:

The gutter, if it is interior, must be insulated with mineral wool or fiberglass. The gutter will rest on the roof purlins or on the last roof purlin and a façade purlin.

A sealing cord will be placed between the panel and the gutter, which will act as a vapor barrier.

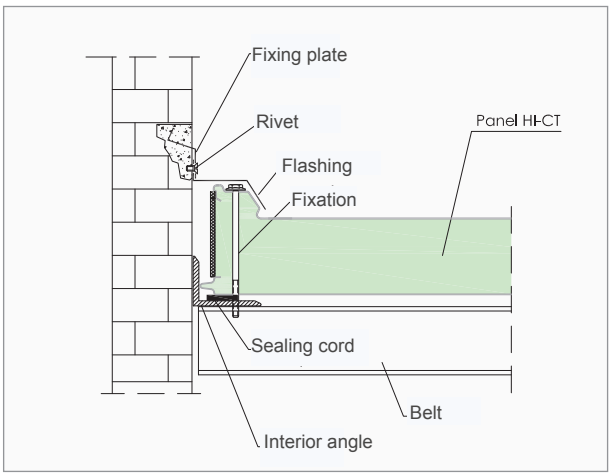


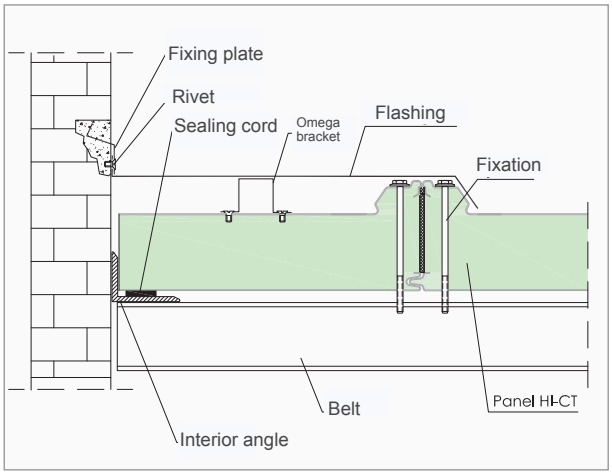


Lateral union against wall:

An interior angle, supported on the strap, will serve as a guide to position the HP-CT panel. I know there will be a sealing cord between the panel and the angle, which will act as a barrier against vapor.

The pre-lacquered steel gutter profile will be embedded in the wall, and must extend up to the closest rib of the HP-CT panel. If necessary, a support profile type omega to support the flashing.





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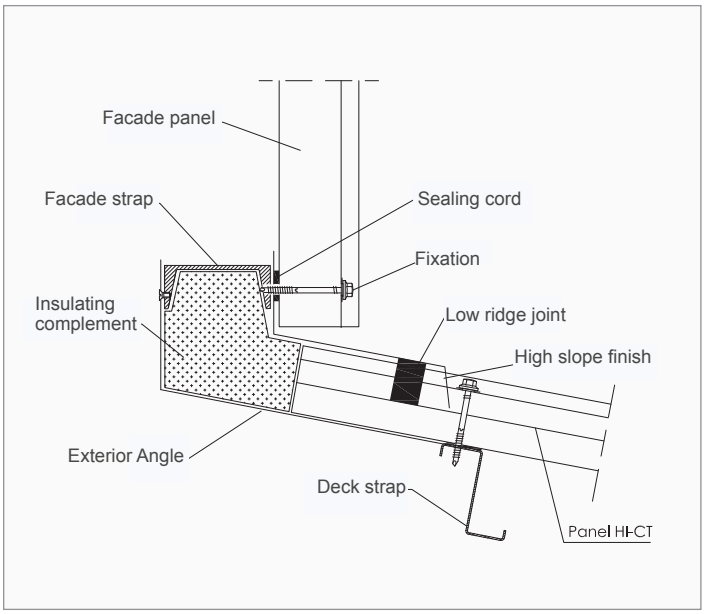
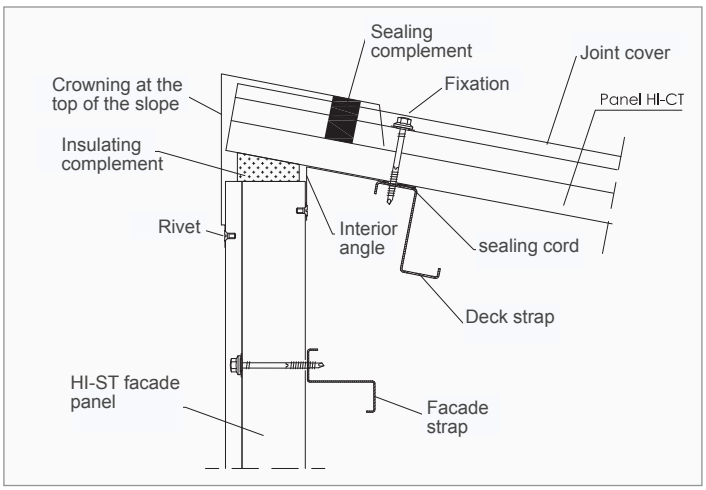
Union of roof with facade:

At the junction point between the panel of roof and facade, a insulating complement to provide continuity to isolation.
On the inside of the nave, it ends with a angle in pre-lacquered sheet metal, and a cord of sealing that will act as vapor barrier.
On the outside there will be an auction earring height stamping, which is will be fixed to the facade purlin before fix the facade panel.
In case the auction is not stamped, a ridge profile of polyethylene that adapts to the rib of the panel.



Union of roof with facade in high slope position:

The crest at the top of the slope of the covered with the facade is solved with a stamped finish.
In the event that the auction is not die-cut, a profile of polyethylene as a complement to tightness.
The joining point between the panels, if necessary, it will be filled with a complement insulation, to give continuity to the isolation. The auction profile will be set to the panels by rivets.



HUURRE PANAMA, S.A.
Parque IndustrialMilla8|Ave. Simón Bolivar| Panamá
Tel. (+507) 203 0310 / 394 2049| Whatsapp (+507) 6837 3219
M: huurre@huurrepanama.com| W: www.huurrepanama.com