

Integral Roc

GENERAL ASPECTS FOR VERTICAL INSTALLATION OF INTEGRAL ROC FAÇADE PANELS

Precautions

To avoid scratches, dents and deformations during assembly, rubber shoes should be worn, shavings should be removed after cutting and concentrated loads should not be placed on the panels.

Fixings

Fastening screws should be selected according to the substrate material and the strength and durability requirements. The tightening torque of the power drill must be what is required to guarantee a good fastening, avoiding excessive torques that may cause superficial deformations on the outer sheet of the panel.

Protective film

Check that the panel protection film (if any) has been completely removed as the panels are attached to the supporting structure.

Grounding

It is recommended that the panels and the façade-supporting structure be grounded, in order to avoid the accumulation of static electricity.



MOUNTING ACCESSORIES

For proper assembly, it is necessary to have the following types of trims and accessories, as well as other specific trimming elements for each job, which Teczone can provide:



WEATHERSTRIP OR SEALANT



SELF-TAPPING SCREW FOR SANDWICH PANELS



LOAD-SHARING PART



EXTERIOR ANGLE CORNER CAP



INTERIOR ANGLE CORNER CAP



FLASHING CAP

Integral Roc

FAÇADE PANEL ASSEMBLY (VERTICAL)

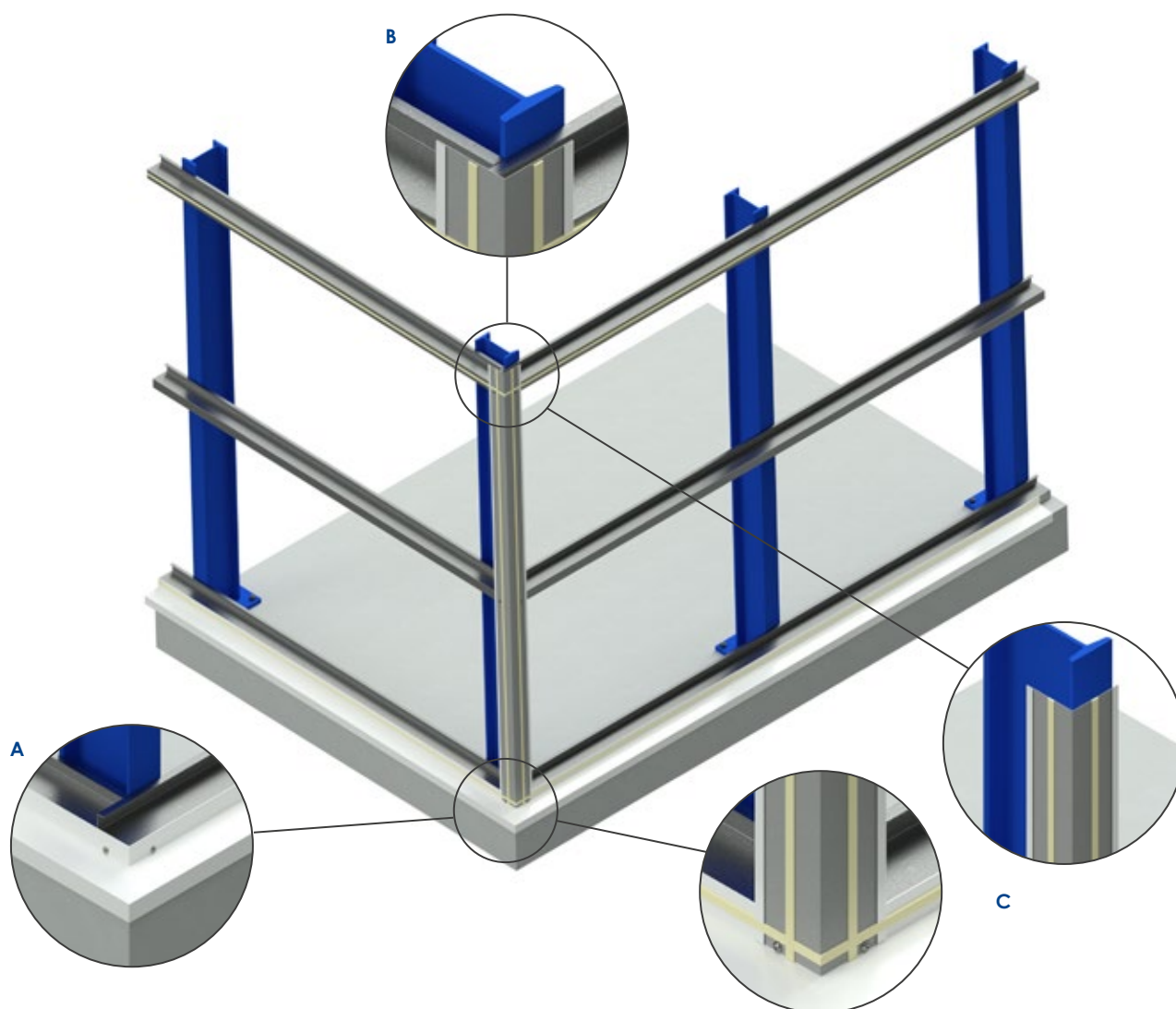
Considerations

The steel structure must be properly aligned and levelled. Panels should always be installed starting from the female side.

The construction details of the structure and the finishings are approximate and may vary from one project to another. Purlins used as substructure: TZ-EZ.

Assembly steps

1. Levelling and alignment of the substructure. Placement of sealing cords for a good watertightness.

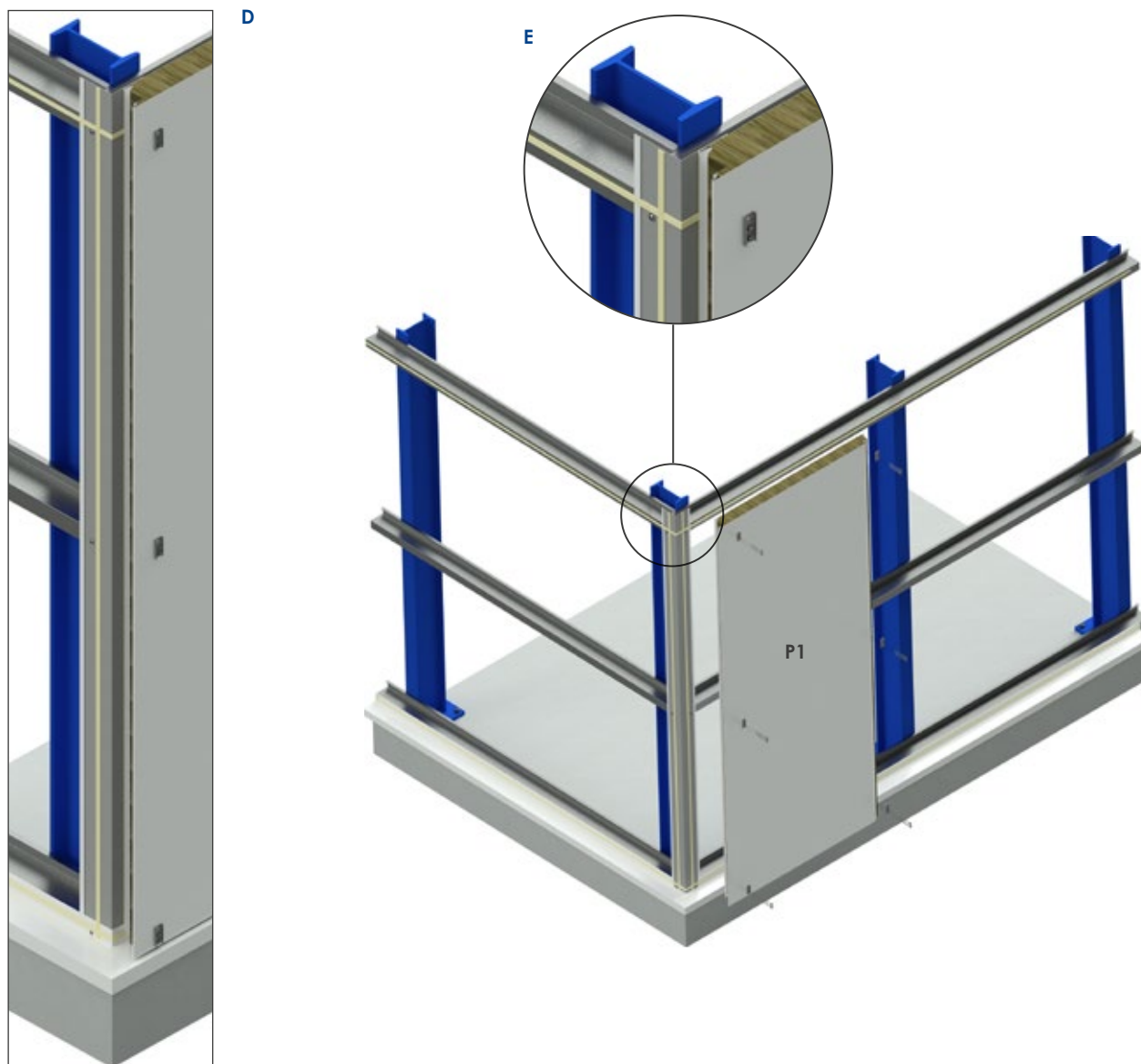


- A. Align the flashing and secure it with flat head screws.
- B. Align and level the inside corner angle. Apply a sealant bead or a $\varnothing 6$ mm weatherseal prior to panel installation.
- C. Align and level the contra-omega. Apply a 6 mm bead of sealant before panel installation on both sides of the profile.

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ASSEMBLY STEPS

2. Placement of the starting pieces between columns and placement of the first panel.

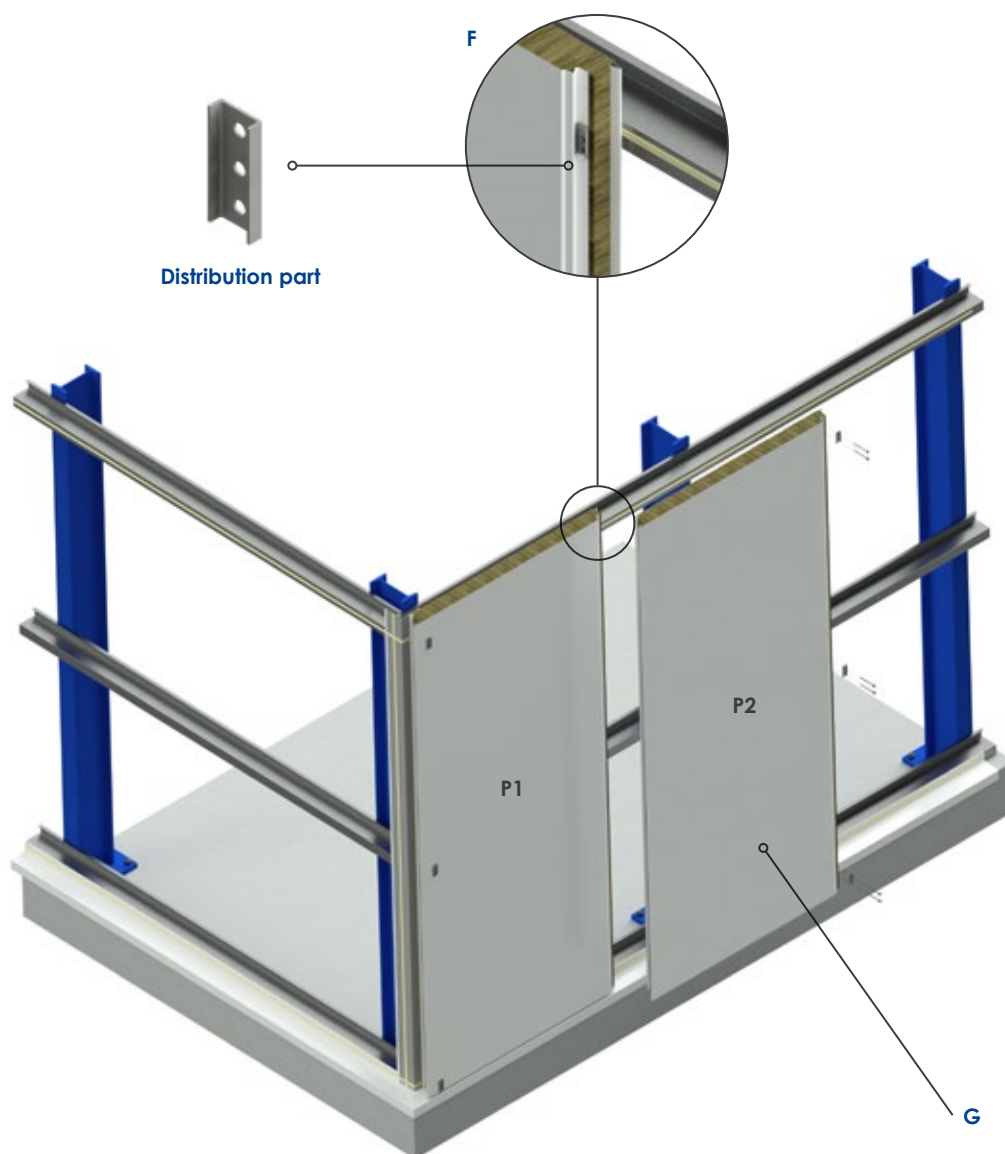


D. Locate and install the first Integral Roc panel ensuring that it is properly levelled. On the inside, there should be a 5 mm gap between the outer sheet of the panel and the flashing for proper water drainage.

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ASSEMBLY STEPS

3. Fastening of the first panel and placement of the second panel.



F. Fasten the panel to each purlin with self-tapping screws including $\varnothing 16\text{mm}$ EPD washers. A spreader plate can be used to better distribute the load.

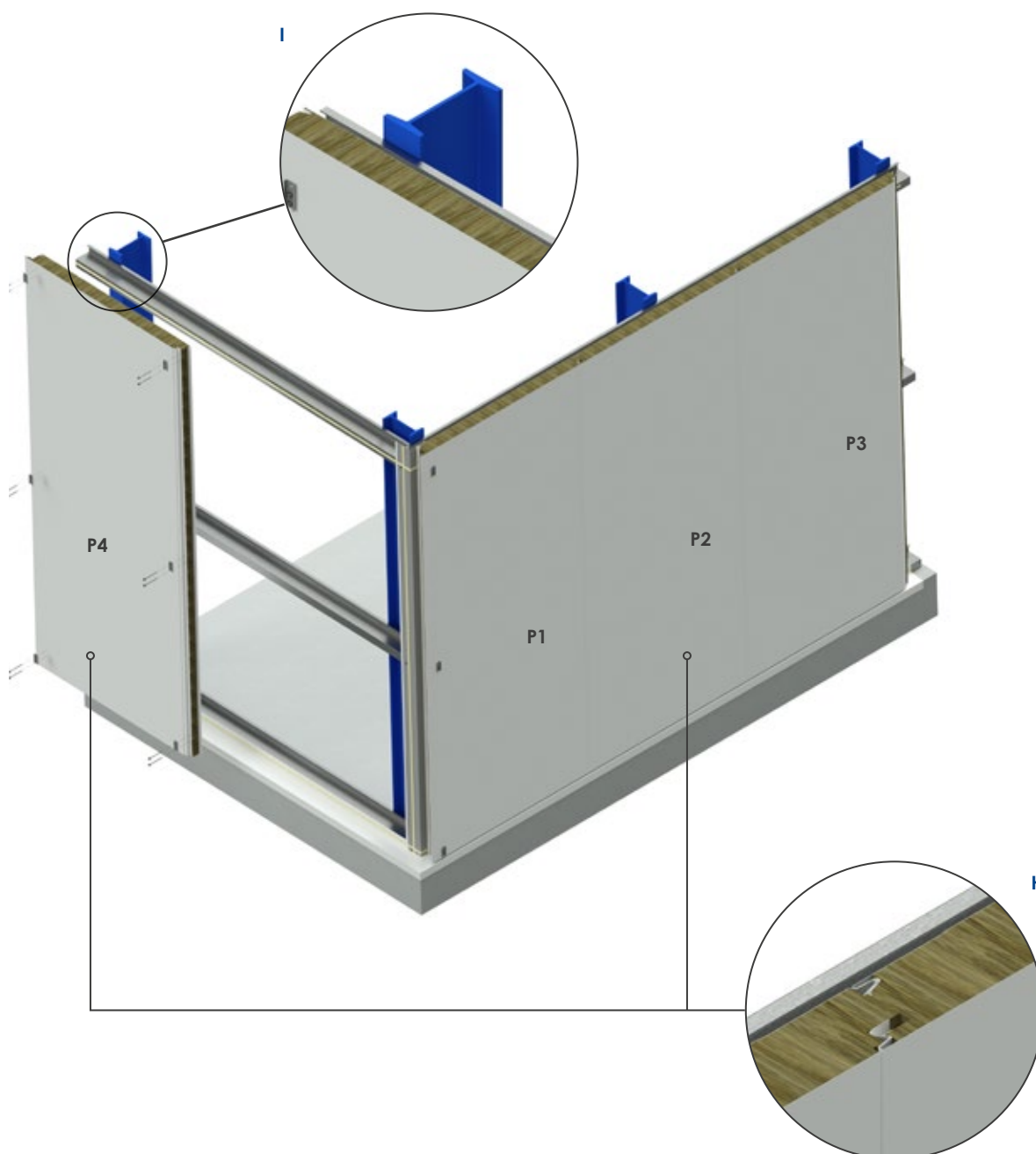
G. Align and fit the second Integral panel with the previously installed panel.

NOTE: The number of fastening screws will depend on the wind loads to be supported and the distance between the supports.

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ASSEMBLY STEPS

4. Placement of the following panels.



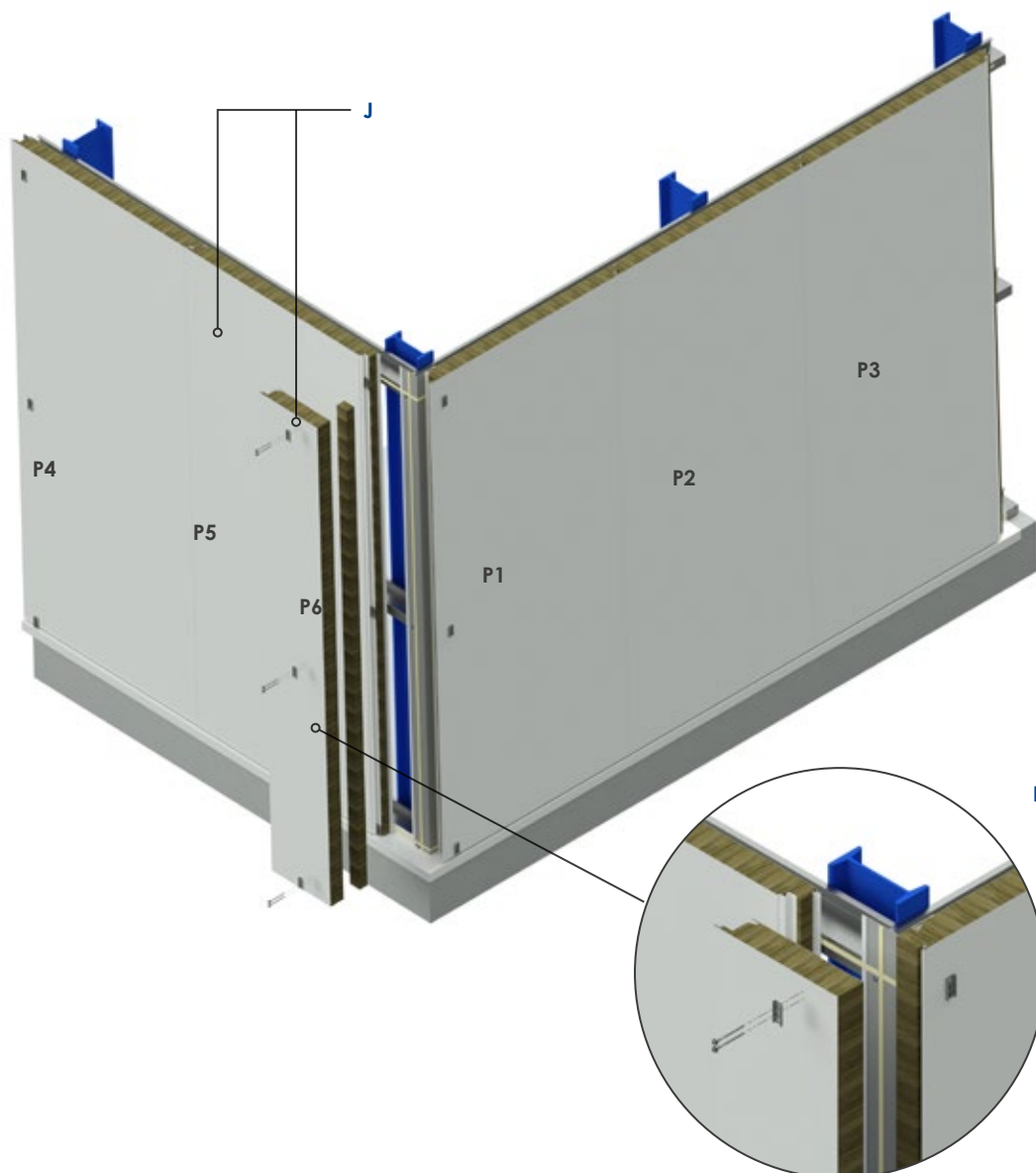
H. Install the following panels following step 3.

I. In the next corner, we proceed to the assembly by repeating the steps described above.

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ASSEMBLY STEPS

5. Installation of corner panels.



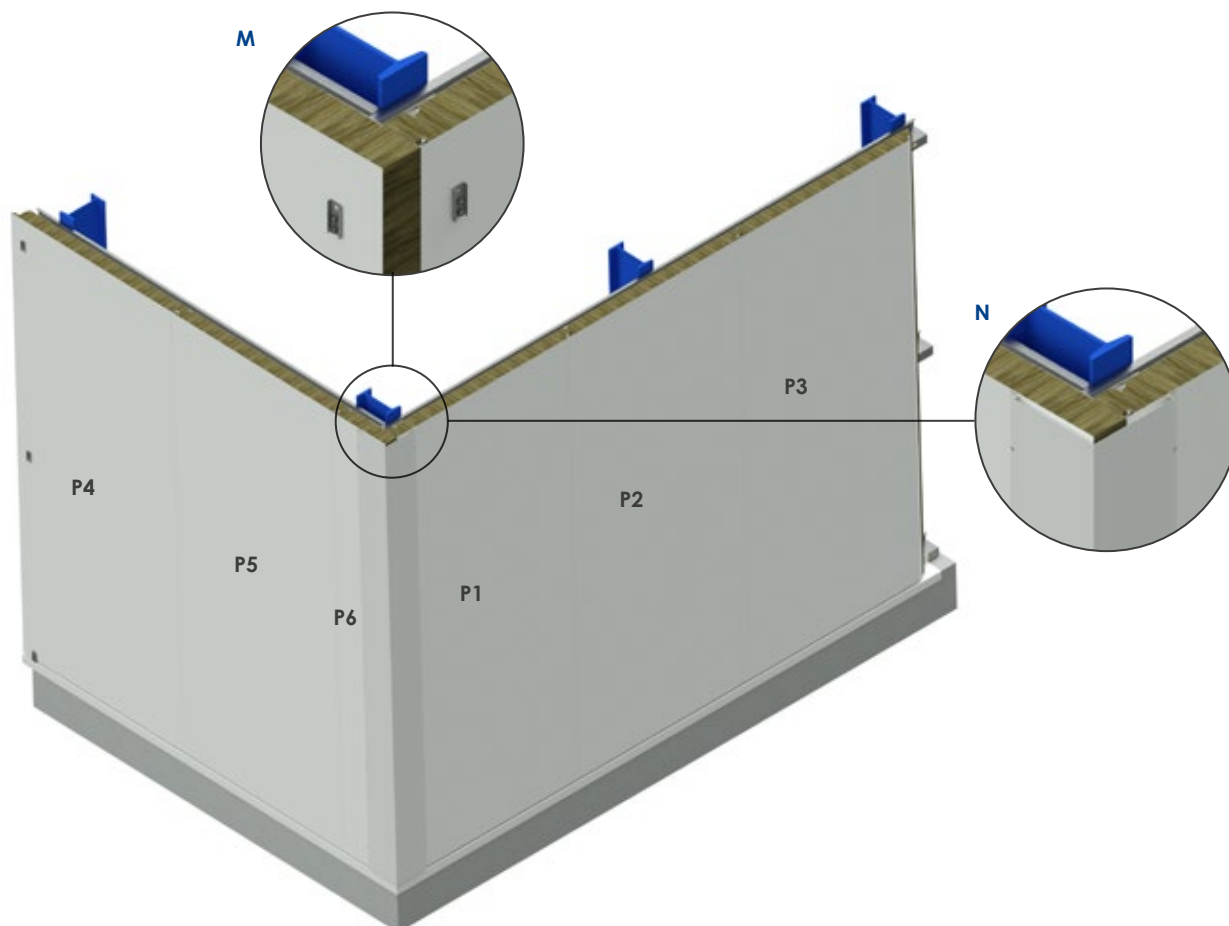
J. Install the rear panels following step 3.

K. Cut the last panel following the recommendations of the panel handling sheet and install by means of an exposed fastener. The number of fastening screws and the need to use a spreader plate will depend on the wind loads to be supported and the distance between the supports.

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ASSEMBLY STEPS

6. Placement of corner finishings.



M. Seal the gap between panels with a $\varnothing$ 6 mm sealing cord or weatherstrip to maintain thermal insulation in the corners. Apply on the lines that will match up with both flanges of the corner cap to ensure watertightness.

N. Corner section completed.



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