

PORCELANOSA® FACADES

TECHNICAL BULLETIN
FEBRUARY 2018

SUBJECT: PORCELANOSA VENTILATED FAÇADE SYSTEM SOFFIT INSTALLATION

Porcelanosa's Porcelain ventilated façade system is a versatile system that offers the option to install soffits, providing a more continuous and seamless, finished look to a project.

For a soffit installation, all system components are the same as the façade. However, specifications and substructure layout may vary according to the conditions of each project.

DESIGN-ASSISTED PROJECT

For a design-assist project, all soffit specifications will be drawn by Porcelanosa's technical department.

STANDARD PROJECT

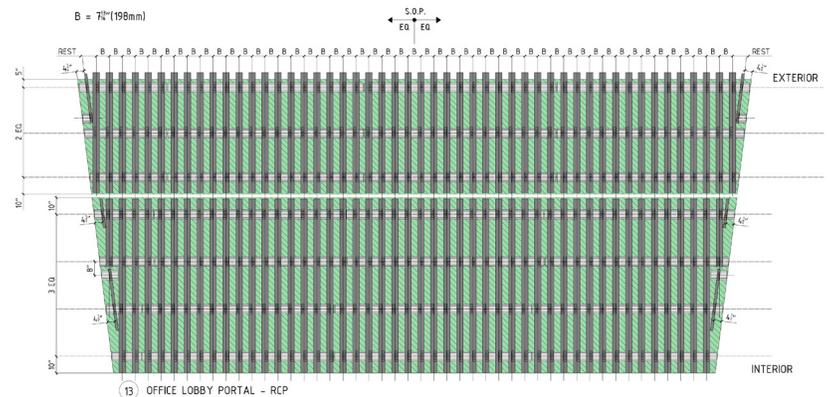
For standard projects, refer to this bulletin and guide for soffit installation. Please contact Porcelanosa's Façade Technical Department for additional information and assistance.

The standard soffit installation process follows the same steps as the façade install:

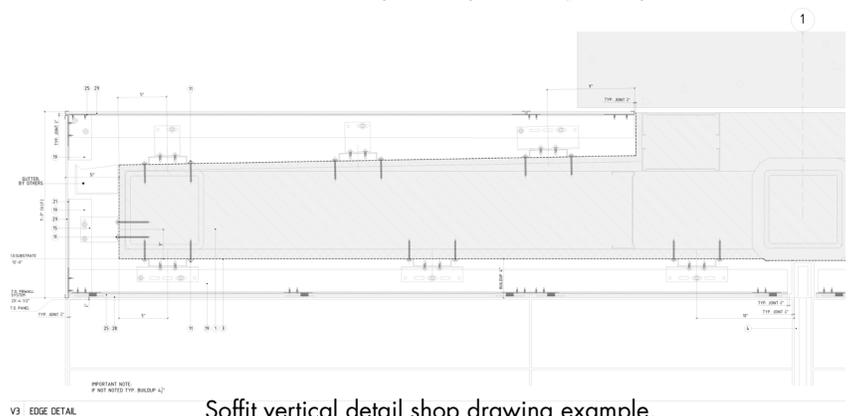
1. LAYOUT

A. Whenever possible, completely install the layout of the facade with which this soffit is going to be joined. This allows for square and exact references for the continuity of the joints and verification of levels.

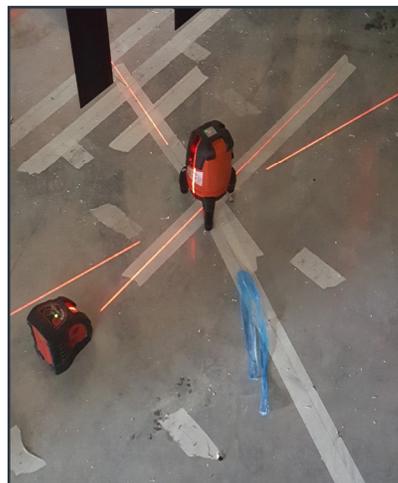
B. For a large soffit, as in the case of a carport for example, the installer can mark the layout on the floor, where it is easier to take exact measurements, and then move it to the soffit with a laser level.



Soffit substructure layout shop drawing example.



Soffit vertical detail shop drawing example.



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2. INSTALL SUBSTRUCTURE

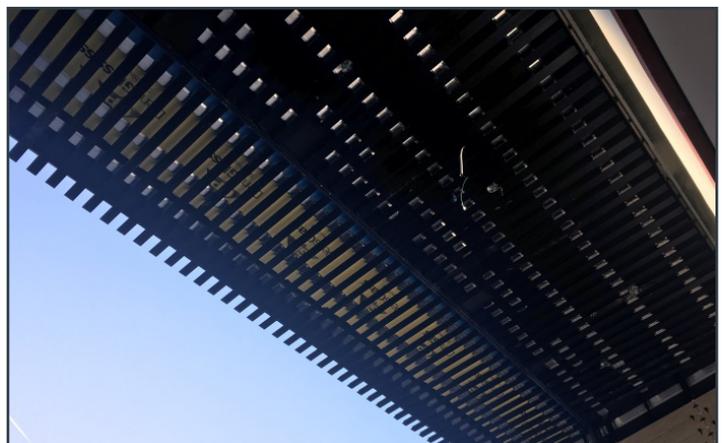
A. Once the layout is complete, the installer can start to install the substructure system: first the Omega profile, followed by the brackets, and finished with the profiles.

B. As with the façade, the **Omega profile is installed first**. Right into the marked position in the soffit. Place 2 screws at both ends of the omega profile to secure it in place. Then fasten the remaining, intermediary screws into each framing member as specified.

C. Next, install the appropriate brackets, also called angles, at their predetermined locations on the omega profile piece.

D. Finally, attach the T and/or L profiles would be installed. For the adjustment of profile levels in a soffit, it is recommended to use a rotary laser level with receiver control, especially if it has a large dimension. This kind of tool allows install the profiles with maximum precision.

Use suitable gripping tools to support the profile while the installers are adjusting it to the level, and during fastening.



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3. INSULATION

Apply the insulation can be installed, if specified for the project, once the entire substructure (steps 1 and 2 above) are completed.

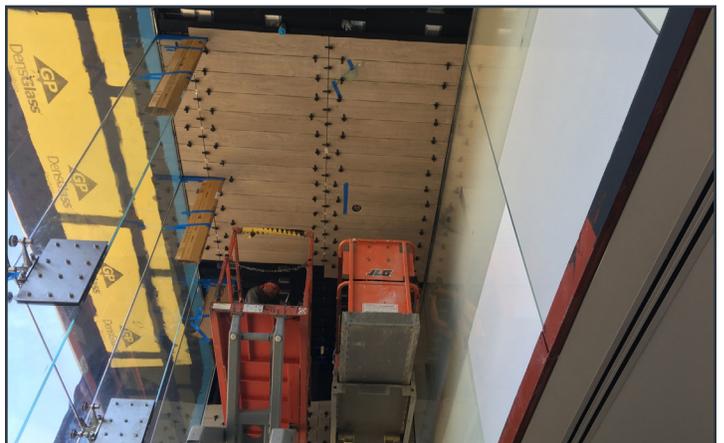


3. INSTALL PANELS

Once substructure and insulation are in place, we are ready to apply the panels.

- A. Place the starter fixing clip according to layout
- B. Apply construction adhesive, p404 onto the profiles according to instructions on package.

Keep in mind that soffit installation will require at least two installers to do properly.



In this case, per project layout, the soffit was installed starting from center, leaving the cuts on the side.

TIP

Use small clamps to hold the piece while the installers are preparing clips and screws, to leave the piece installed in its position.

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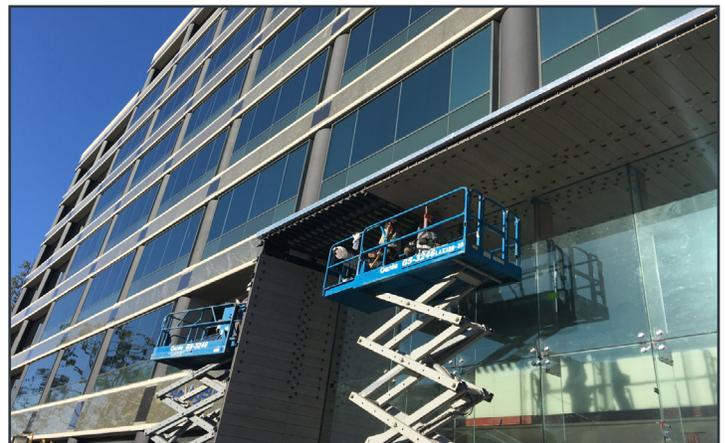
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It is imperative to use the leveling wedges system provided by Porcelanosa with your order.

The Leveling Wedges:

1. Provide even spacing and proper finished look of the panels. They prevent panel movement while the construction adhesive cures.
2. Push the panel against the profiles. This pressure ensures proper distribution of the adhesive
3. Help to leave a perfect alignment of the panels, and equal joint widths throughout the project.



It is recommended to maintain the leveling wedges as long as possible, so that the adhesive dries. At least 24 hours. Once leveling wedges are removed, the panels can be cleaned with water and a sponge, if necessary. If there is any remaining P-404 adhesive, it can be easily cleaned with alcohol or acetone. The ventilated façade system in the soffit will also prevent the accumulation of humidity, and does not require maintenance.

Please contact Porcelanosa Facades Technical Department for additional help or for more information regarding soffit installation.

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EXAMPLES OF FINISHED SOFFITS



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COORDINATING THE DIFFERENT JOBS, DIFFERENT ELEMENTS CAN BE INSTALLED IN THE SOFFIT WITHOUT ANY PROBLEM

