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## 1. COMPONENTS

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<th>Article code</th>
<th>Image</th>
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<td>QC300 panel</td>
<td>C4050500000</td>
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<tr>
<td>Top fixing plate mid panel (w/o retainers)</td>
<td>C7817500000</td>
<td><img src="image2.png" alt="Image" /></td>
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<td>Symbol: ▶</td>
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<tr>
<td>Top fixing plate at joint (w/ retainers)</td>
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<td><img src="image3.png" alt="Image" /></td>
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<td>Retainer sliding</td>
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<tr>
<td>Symbol: RS</td>
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<td>Top retainer fixed</td>
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<td>Top retainer sliding</td>
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<td>Symbol: TRS</td>
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### 1.1. Panel indicators

_Note:_ the panel information sticker can be placed either on the back plate of the panel, or on the side profile.
2. MOUNTING STAGES

2.1. Determine the module lines

For the QC300 system, the module lines are defined as an offset of 3/16” from the edge of the front skin. Thus, the vertical and horizontal joints are 3/8” wide.

The first step is to trace the module lines grid on the building wall.

![Module lines diagram]

2.2. Place the mini rails

Place the mini rails situated at the end of the facade and on the vertical joints (left picture).

**Note:** On the vertical joints, the mid plane of the mini rail contains the module line.

Place the center mini rails equidistant to the perimeter and joint mini rails (right picture).
2.3. Mount the fixing plates

See the symbols of the fixing plates in the Components table to identify them in the adjacent picture.

Important: the nutplates must be fully turned to ensure a good fixation.

2.3.1. Top fixing plates

The Top fixing plates (mid and joint) are placed at 3" from the upper module line.

2.3.2. Center fixing plates

Center fixing plates are placed so that the mid plane of the fixing bolt crosses the horizontal module line.
2.3.3. Bottom fixing plates

The Bottom fixing plates are placed at 3" from the lower module line.

2.3.4. Check the placement of the fixing plates

It is important that the placement of the fixing plates is done accurately as it directly influences the size of the horizontal joint. Checking the position of the fixing plates can be done by measuring the distance between them, as indicated in the next picture, where D is the distance between the correspondent ends of the fixing plates (bottom-bottom or top-top) and H - the vertical size of the module surface-unit.

2.4. Place the first panel

**General:** before placing a panel, be sure the retainers are open (see 2.4.1).

**Step 1.**
In this stage the panel is not yet “pressed” in the fixing plates.
Step 2.

Adjust first the position of the panel horizontally with the module lines.

Step 3.

Pressing downwards, the top profile of the panel will clamp in the top fixing plate (or center fixing plate), reaching it’s designed position relative to the horizontal module line (3/16” distance). The connection with the bottom fixing plate will provide 3/16” space in order to permit thermal expansion.

2.4.1. Secure the panel

**Note:** Opening the RF or RS is done by tightening up the screw. Closing the RF or RS is done by loosening up the screw.
By loosening it up, the screw will push the retainer towards the panel, clamping the panel profile. In the case of the fixed clamping (left details), the edges of the Fixed Retainer will superficially penetrate the material of the panel extrusion, creating a fixed connection point (horizontal restrain).

In the case of the sliding clamping (right details), the plain face of the Sliding Retainer will only slightly engage the panel extrusion. The panel will be secured, but sliding (for example due to thermal expansion) will be permitted.

2.5. Place the second panel

For the next panel follow the same steps described in section 2.4 Place the first panel.

Supplementary the vertical joint can be verified. This has to be 3/8".
2.6. Place the second row panels

The same method, previously described, is used to place and secure the next row panels.

Check the horizontal joint 3/8" and complete the row.

2.7. Place the panels for the upper row

2.7.1. First panel

On this portion of the facade, the same method of alignment the panels is used, as already described.

2.7.2. Securing the first panel

On a QC300 horizontal facade, the upper row of panels is secured, at the top of the panels, by means of the top fixing plates (mid and joint).

TRF penetrates superficially the material of the panel's top extrusion, providing a fixed connection point, while TRS slightly engages the panel's top extrusion, permitting sliding.
2.7.3. Place the remaining panels in the upper row

The remaining upper panels are installed as already described. For each panel check both the position relative to the module lines and the size of the vertical and horizontal joints 3/8".