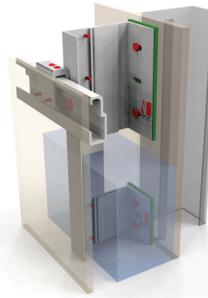


Application

The NV3 system is used for hidden attachment of facade panels. NV3 is attached over the NV1 system. NV3 uses a variety of hangers to accommodate different hidden anchor systems for facade panel attachment.



Components with facade, insulation and steel stud substrate



Components Only

NV3 Systems (Over NV1 Base)

System Components



NV3 Hanger

Several versions available to match hidden anchor system



NV3 Rail

Fasteners



Rail to Rail
#12 x 7/8"

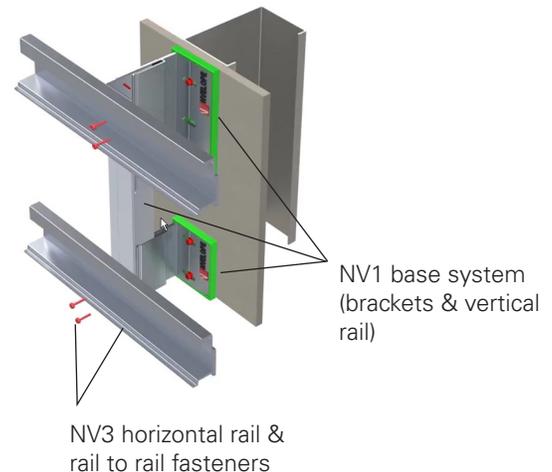
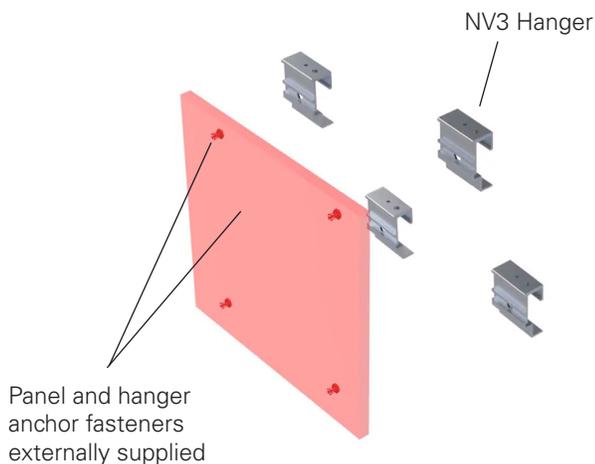


Hanger to Rail
(Locking Fastener)
#14 x 1-5/8"



Hanger to Rail
(Adjustment Fastener)
M6 x 3/4"

Typical Installation Orientation



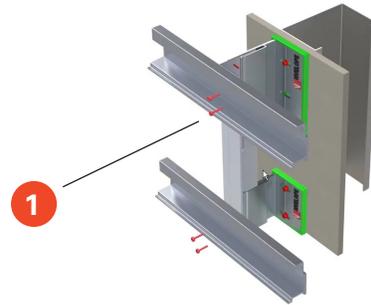
Installation Sequence

-  Installation locations must be in accordance with approved shop drawings. NV1 system must be installed first, refer to NV1 Installation Guide.

Step 1 - Horizontal Rail Attachment

Attach NV3 horizontal rails to NV1 vertical rail using rail to rail fastener **1**. Use two fasteners for every vertical rail location as shown.

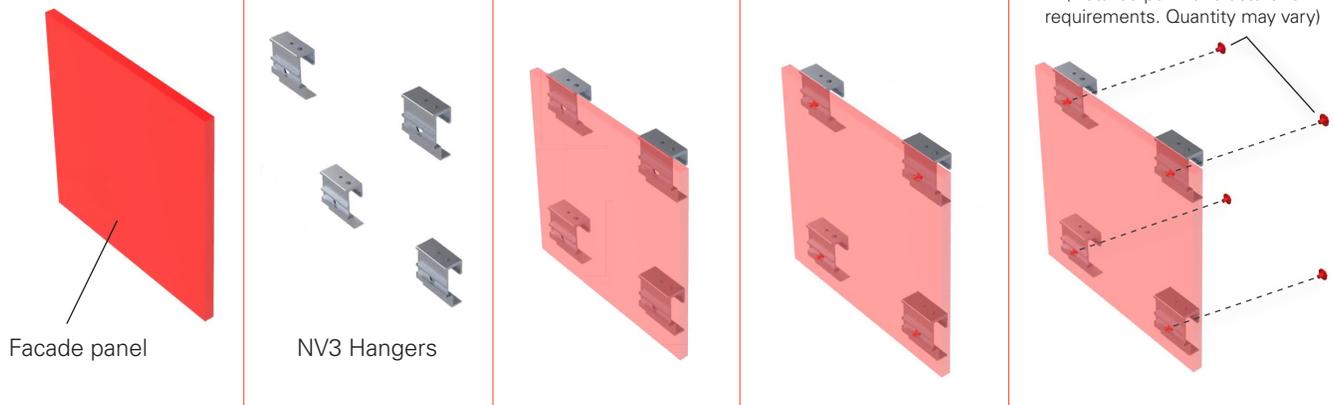
-  Horizontal rails shall be level prior to fastener installation.



Step 2 - Hanger Attachment to Rear Surface of Facade Panel

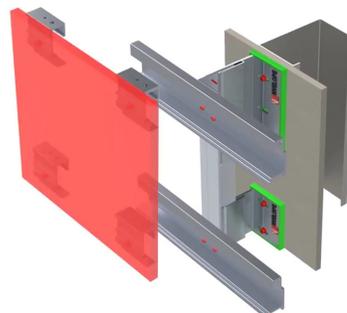
Prepare rear surface of facade panel for NV3 hanger attachment in accordance with hidden anchor manufacturer's requirements. Position hangers in desired locations on rear of facade panel so that hangers will hook and hang onto NV3 horizontal rail.

-  Ensure that orientation of hangers are level.



Step 3 - Hang, adjust and secure facade panel onto NV3 horizontal rails

Hang affixed NV3 hangers onto horizontal rails



Install one hanger to rail adjustment fastener **2** into threaded hole on top of hanger. Tighten screw to level panel.

Note:

Maximum adjustment = 1/2". If more than 1/2" adjustment is required, remove and reinstall hanger on rear of facade panel to maintain only 1/2" of adjustment.

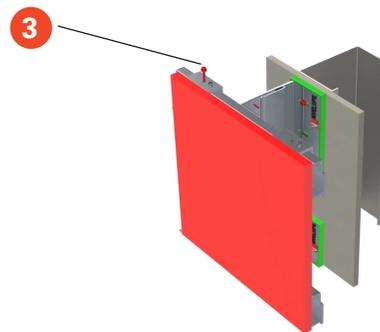
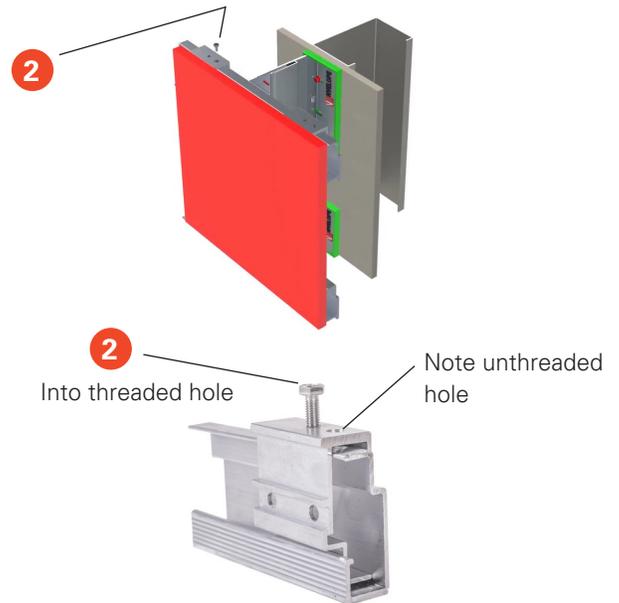
Install one hanger to rail locking fastener **3** through unthreaded hole in hanger and fully through NV3 rail. Tighten fastener to "fix" facade panel position.

General Panel Installation

- Install panels from bottom to top
- Adjust and level panel before installing next panel above
- Gaps between adjacent facade panels shall be in accordance with manufacturer's requirements

Panel Removal

- Work from top row of panels to bottom row
- Remove panel in reverse sequence from installation



Final Checks

1. The number and location of NV3 hangers and horizontal rails are defined by approved shop drawings. Do not deviate from these requirements.
2. Positions of NV3 rails and hangers shall be horizontally level and in vertical alignment with respect to one another.
3. Attachment of hangers to the rear of facade panel shall always be in accordance with hidden anchor system recommendations and facade panel requirements.
4. NV3 horizontal rails may extend 11.5" max beyond the last vertical rail.