

CASCADIA CLIP®

INSTALLATION OVERVIEW - HORIZONTAL APPLICATION (HAT CHANNELS)

PRODUCT OVERVIEW

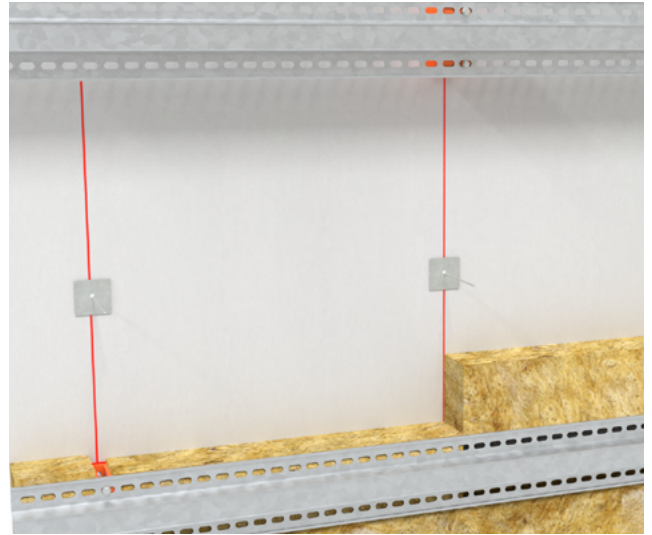
Applicable for use in steel frame, concrete and wood construction buildings, the Cascadia Clip®'s innovative fiberglass design reduces thermal bridging between traditional steel cladding supports and the back-up wall.

Fully adjustable and compatible with z-girt and hat channels, the Cascadia Clip® is available in 8 different sizes—from 2" through to 8".

BEFORE YOU START

Cascadia offers installation support for all projects. From online installation tutorials, to local rep support, we're here to help ensure a smooth and successful installation.

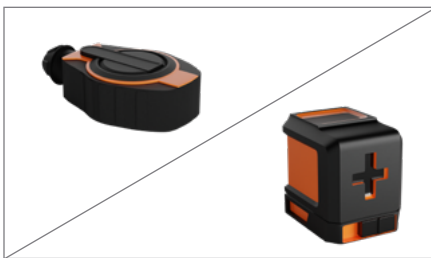
Prior to starting your project, reach out to Cascadia's team for a quick meeting so we can offer helpful tips & tricks, technical information and installation recommendations for your specific project.



**VERTICAL
INSTALLATION VIDEO**
Z-GIRT

**HORIZONTAL
INSTALLATION VIDEO**
HAT CHANNEL

TOOLS REQUIRED



LASER LEVEL / CHALK LINE



#14 HEX NUT DRIVER



DRILL



UTILITY KNIFE



3/16" DRILL BIT
(For concrete/CMU backup walls only)



SPRAY FOAM
(For rigid foam applications only)

CASCADIA CLIP - HORIZONTAL APPLICATIONS

HAT CHANNELS

1. PREPARE THE BACKUP WALL

Before you start, check out Cascadia's online clip calculator to optimize thermal and structural performance, clip spacing and clip quantities.

Prepare the backup wall according to project drawings.

Mark stud locations.

Mark vertical spacing of hat channel as dictated by the cladding engineer shop drawings, project drawings or Cascadia's online clip calculator.



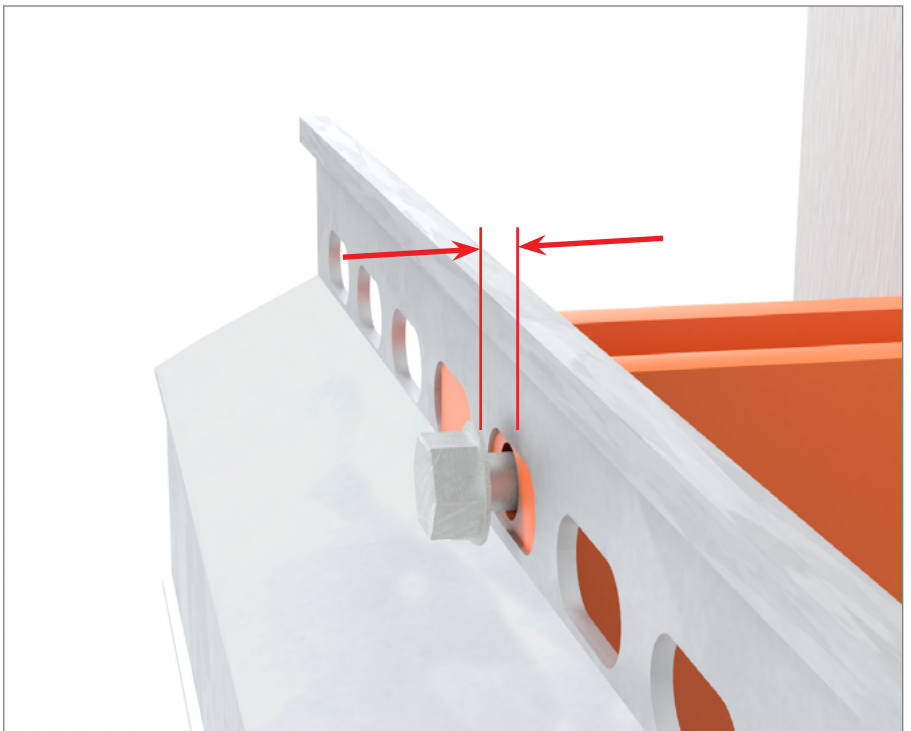
2. START A HAT CHANNEL ROW

Fasten an end clip and hat channel to the backup wall using a single fastener.

Apply moderate pressure at between 1800-2200 RPMs to allow the self-drilling fastener tip to effectively penetrate the backup wall.

Leave a small gap between the fastener head and the hat channel to accommodate adjustments.

It's important to leave fasteners 'loose' if adjustments may be needed. Backing out and re-tightening fasteners may compromise screw pull out capacity.



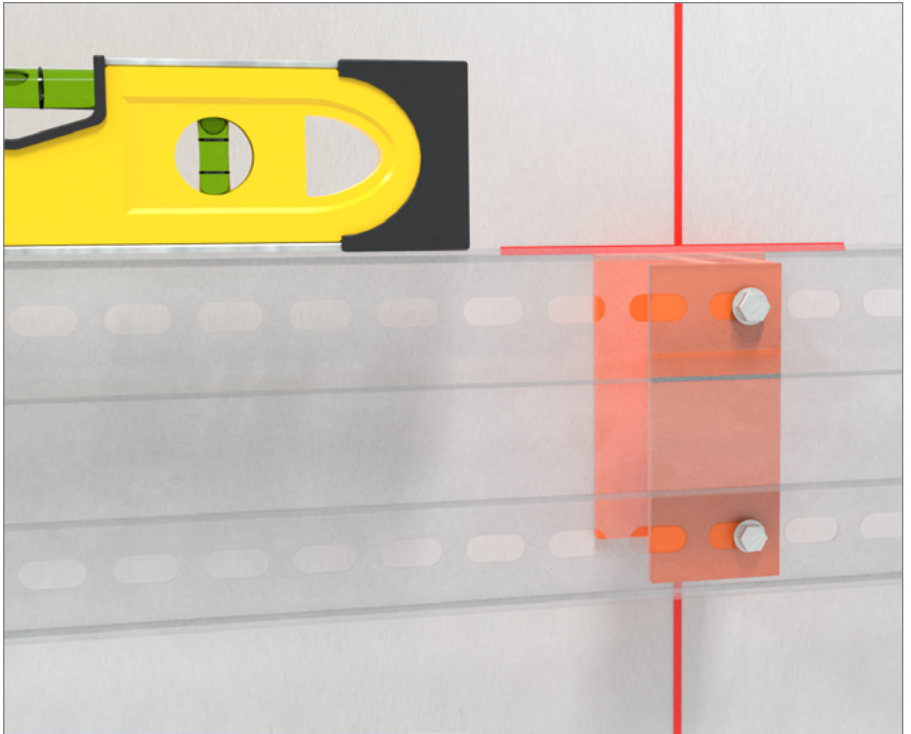
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HAT CHANNELS

3. COMPLETE HAT CHANNEL ROW

Move along the hat channel fastening each clip, ensuring the hat channel is level.

Install subsequent rows of hat channels.

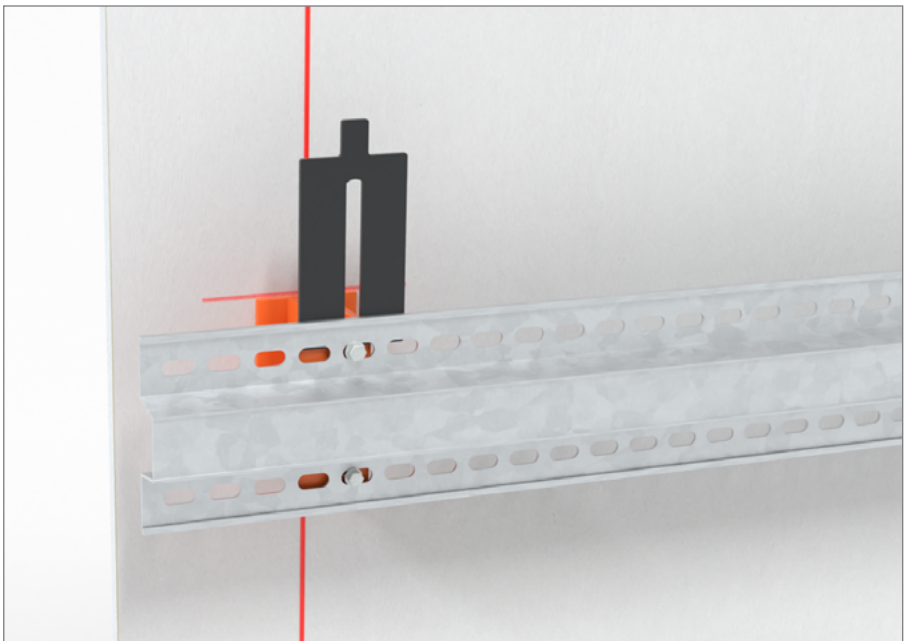


4. CHECK ROWS FOR PLUMB

As you install subsequent rows, check the hat channels are plumb.

Where needed, use a Cascadia Shim to adjust the hat channel to achieve plumb.

Cascadia Shims are available in 1/8" and 1/4" depths.



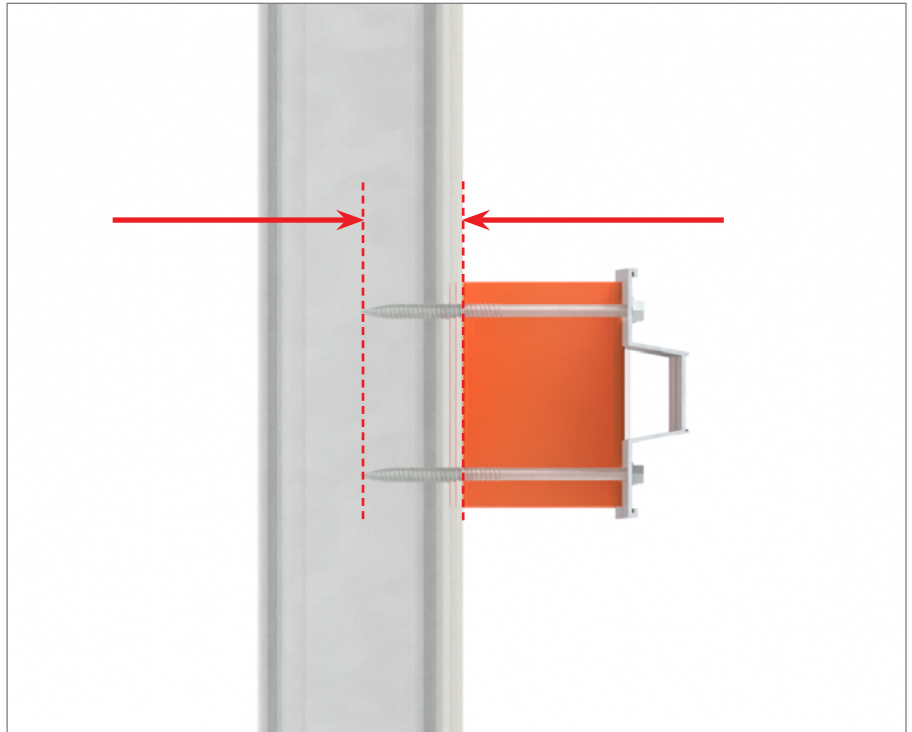
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HAT CHANNELS

5. SECURE FASTENERS

Finish securing fasteners tight to the hat channel.

Ensure both fasteners penetrate the backup wall to the stud, creating a non-combustible, steel-to-steel-to-steel, structural connection.

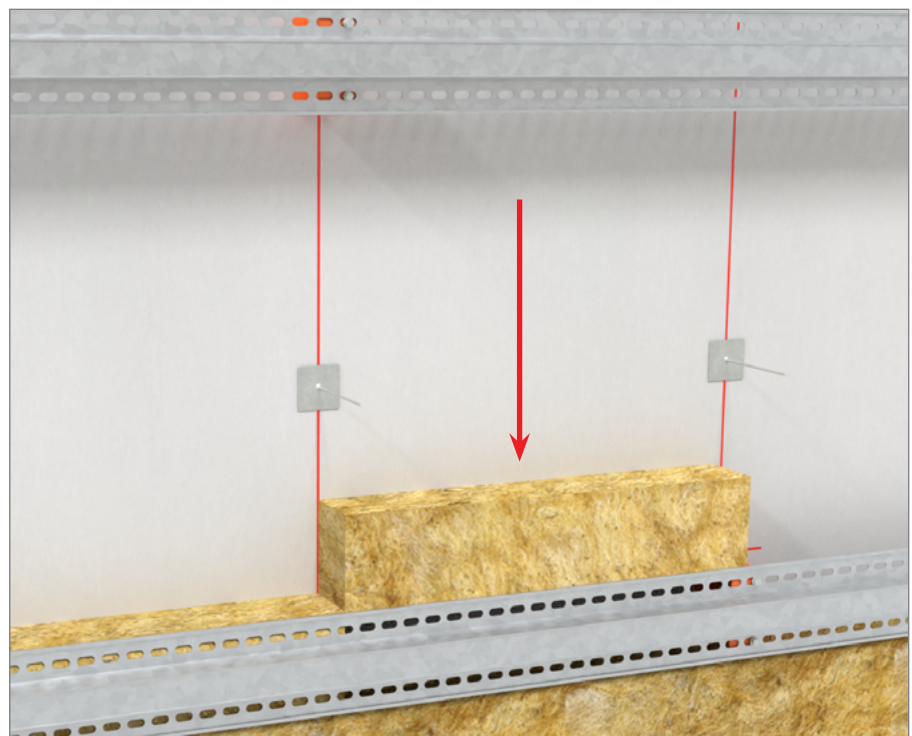


6. INSTALL INSULATION

SEMI-RIGID INSULATION

Install insulation retention system in accordance with manufacturer's instructions.

Cut strips of semi-rigid insulation and fit behind the hat channels.



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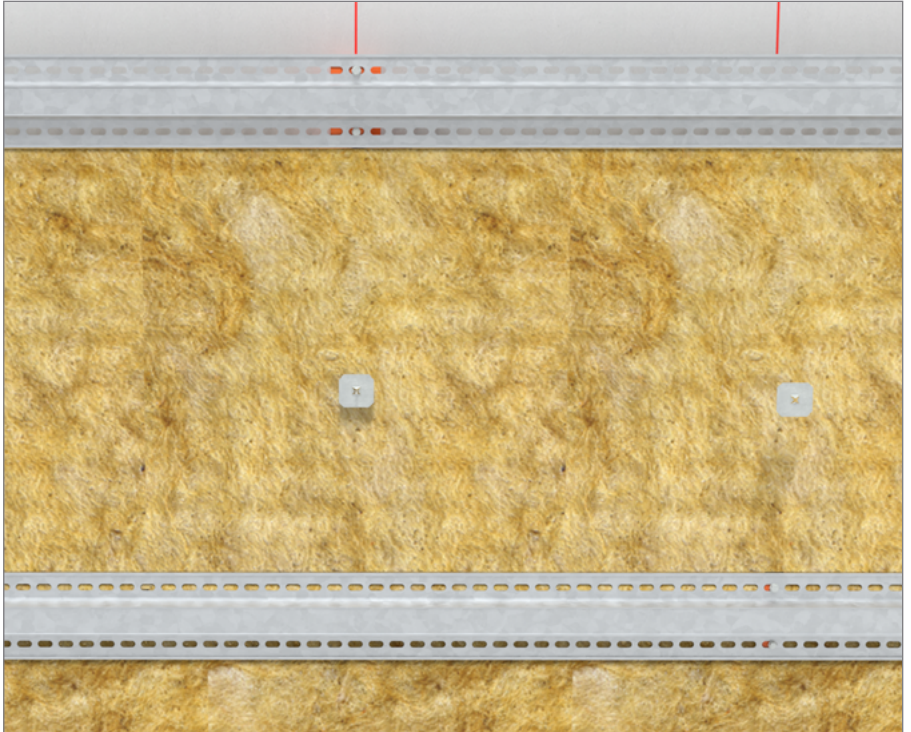
HAT CHANNELS

6. INSTALL INSULATION

SEMI-RIGID INSULATION

Install semi-rigid insulation between hat channel rows.

Ensure insulation fits tightly between rows.



6A. INSTALL INSULATION

RIGID INSULATION

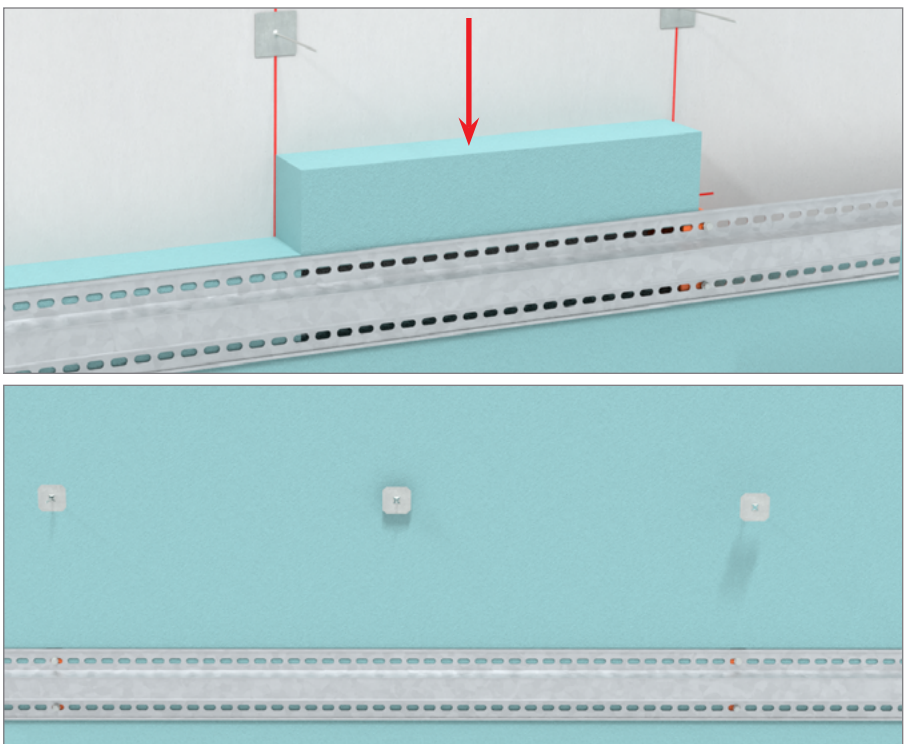
Install insulation retention system in accordance with manufacturer's instructions.

Cut strips of rigid insulation and fit behind the hat channel. Fill any gaps around the clips with spray foam.

Repeat the process across the remainder of the wall.

Install rigid insulation between hat channel rows.

Ensure insulation fits tightly between rows.



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HAT CHANNELS

7. INSTALL CLADDING

Proceed with cladding installation in accordance with shop drawings and manufacturer's instructions.

