

CASCADIA CLIP®

INSTALLATION OVERVIEW - VERTICAL APPLICATION (Z-GIRT)

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.

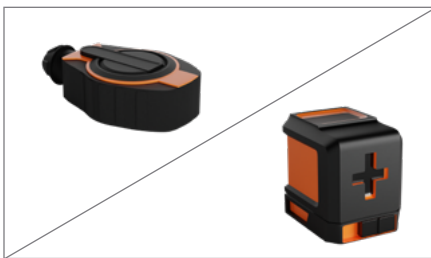
Prior to starting your project, reach out to Cascadia's team for a quick meeting so we can offer helpful tips & tricks, technical information and installation recommendations for your specific project.



**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 - VERTICAL APPLICATIONS

Z-GIRTS

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.

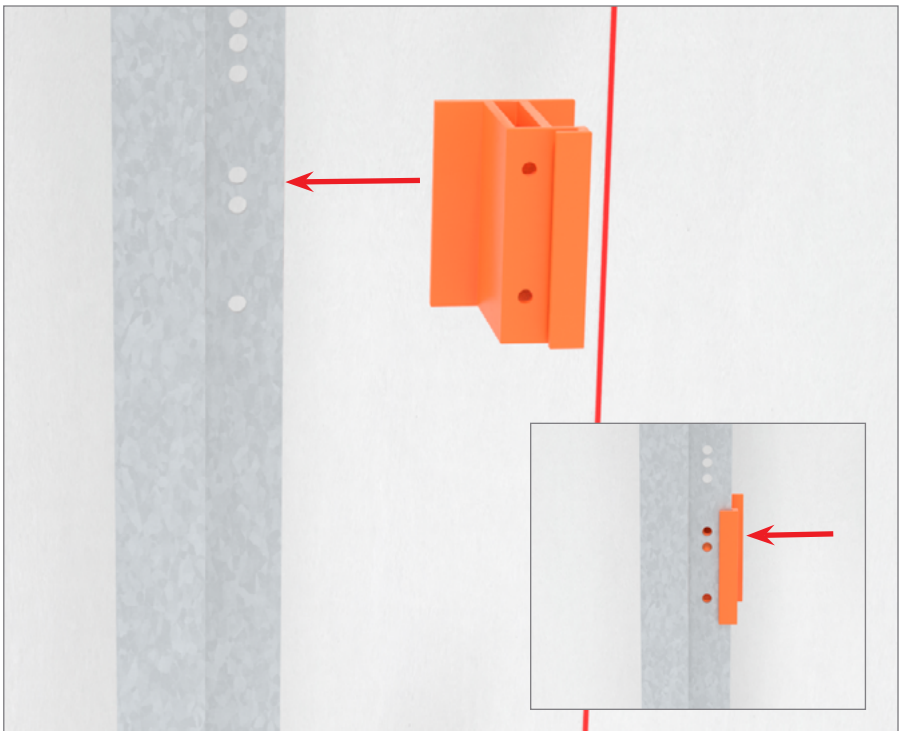
Mark vertical spacing of z-girts as dictated by the cladding engineer shop drawings, project drawings or Cascadia's online clip calculator.



2. SNAP CLIPS TO GIRTS

Snap all clips on to the z-girt, aligning them with the pre-punched holes that match the project's vertical spacing requirements.

Using Cascadia's pre-punched z-girts can significantly decrease installation time.



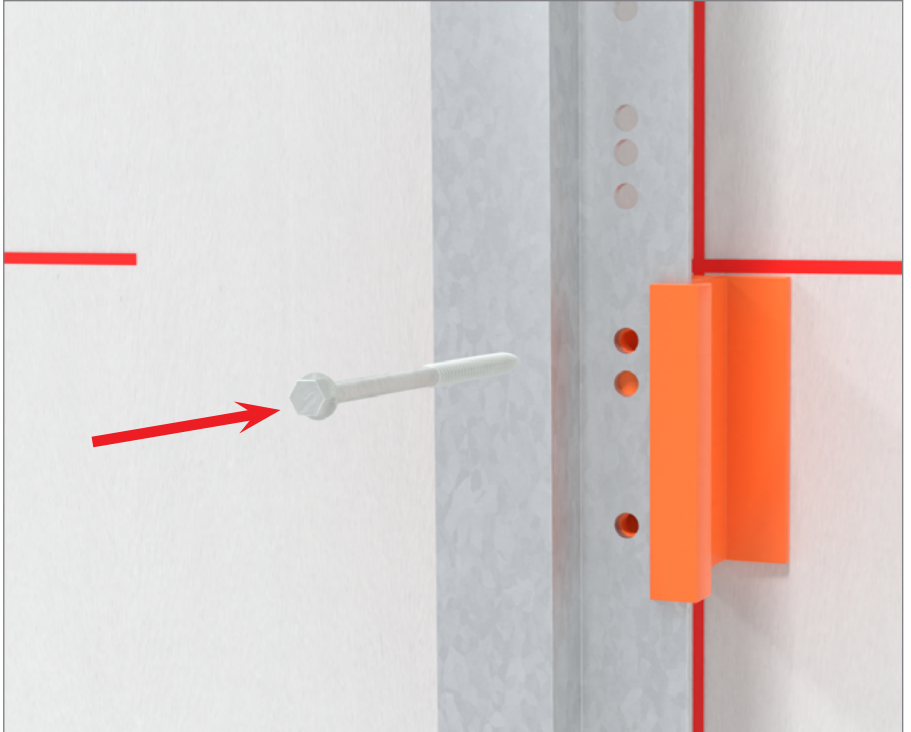
CASCADIA CLIP - VERTICAL APPLICATIONS

Z-GIRTS

3. START A Z-GIRT ROW

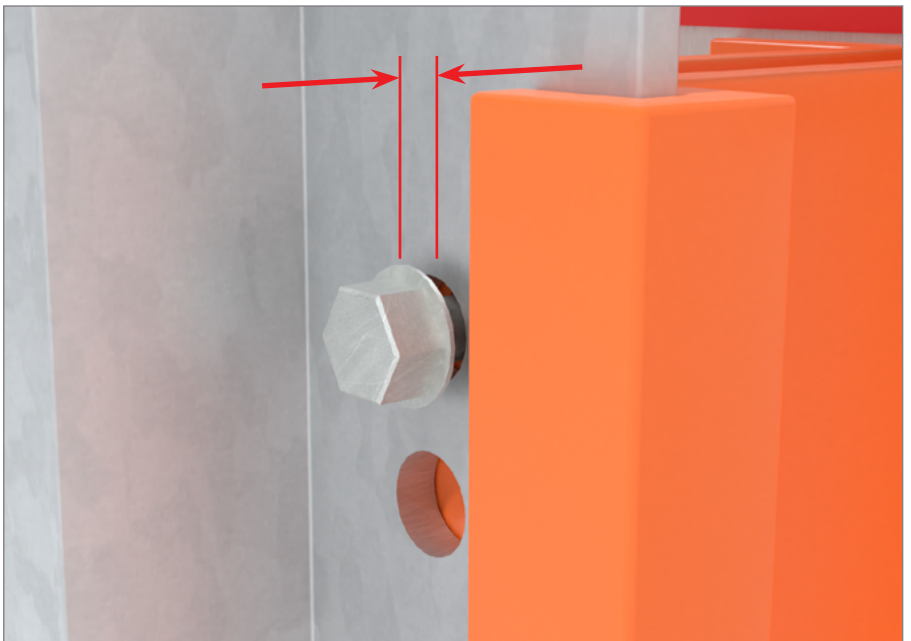
Fasten the top most clip to the backup wall using a single faster. Apply moderate pressure at between 1800-2200 RPMs to allow the self-drilling fastener tip to effectively penetrate the backup wall.

Allow the z-girt to hang, making it easier to achieve plumb.



Leave a small gap between the fastener head and the z-girt 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.



CASCADIA CLIP - VERTICAL APPLICATIONS

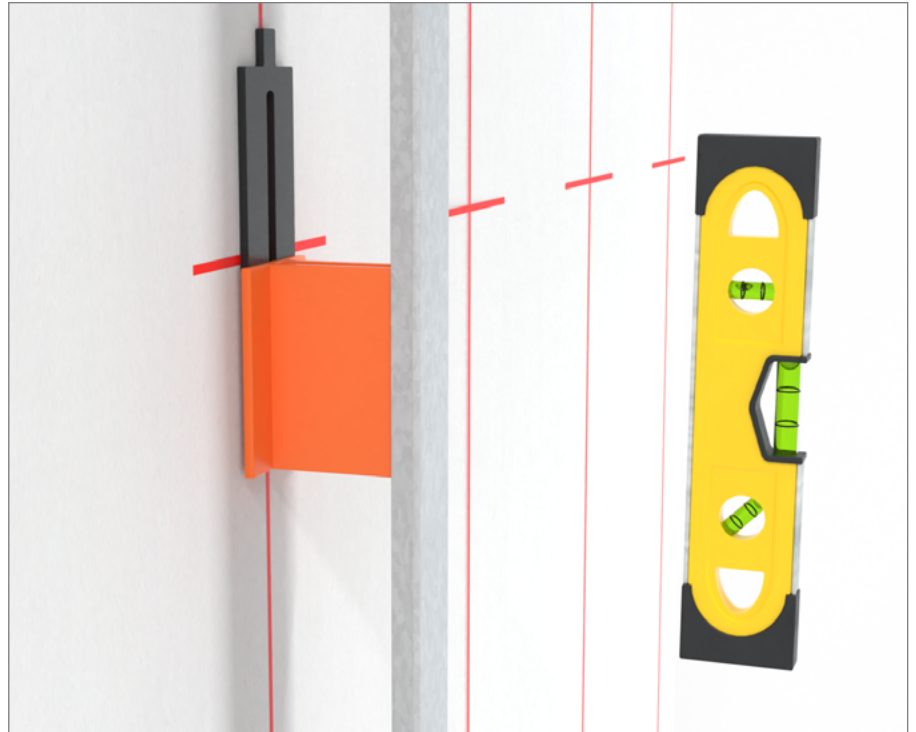
Z-GIRTS

4. ADJUST GIRT AS NEEDED

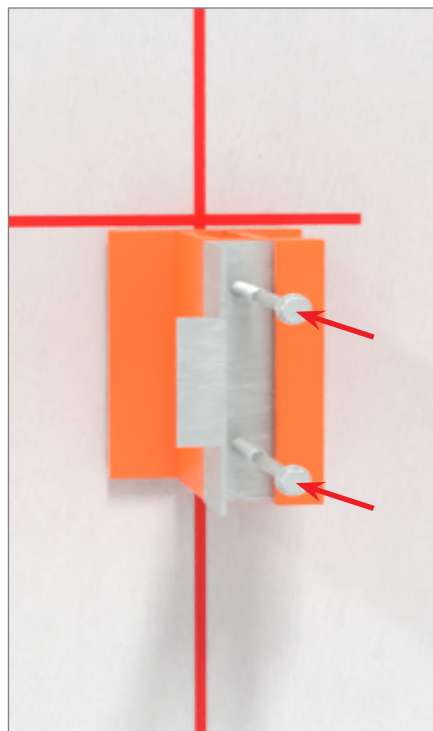
Move along the z-girt, fastening each clip, ensuring the z-girt is plumb.

Where needed, use a Cascadia Shim to adjust the z-girt to achieve plumb.

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



If more than 1/2" adjustment is needed, use an adjustment bracket to create plumb.



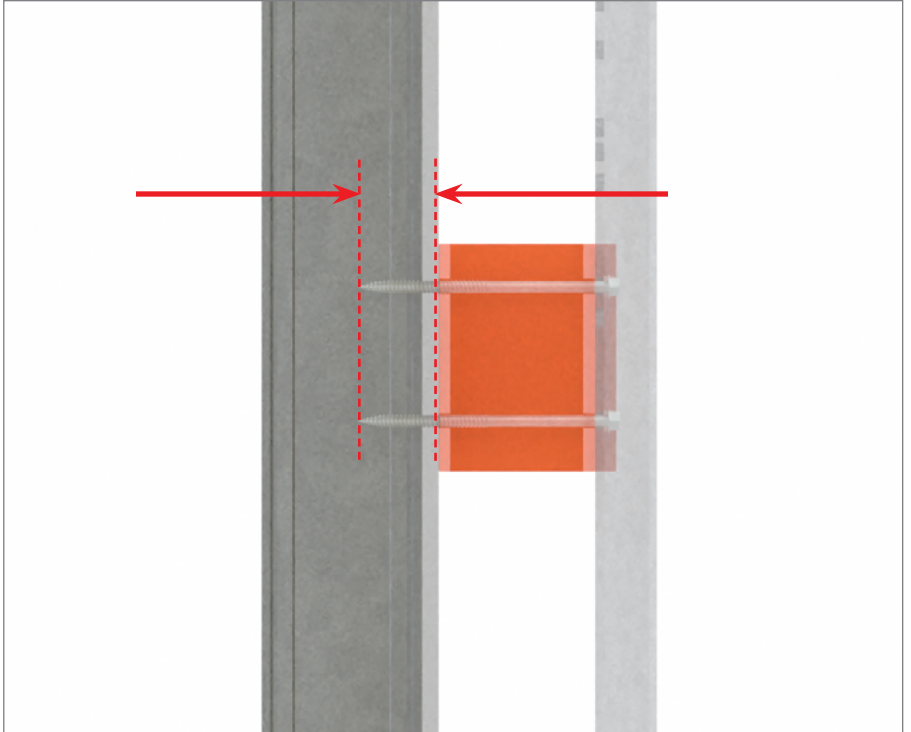
CASCADIA CLIP - VERTICAL APPLICATIONS

Z-GIRTS

5. SECURE FASTENERS

Finish securing all fasteners tight to the z-girt.

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



6. INSTALL REMAINING ROWS

Secure remaining rows as dictated by the cladding engineer shop drawings, project drawings or Cascadia's online clip calculator.

Ensure rows are true across the backup wall.



CASCADIA CLIP - VERTICAL APPLICATIONS

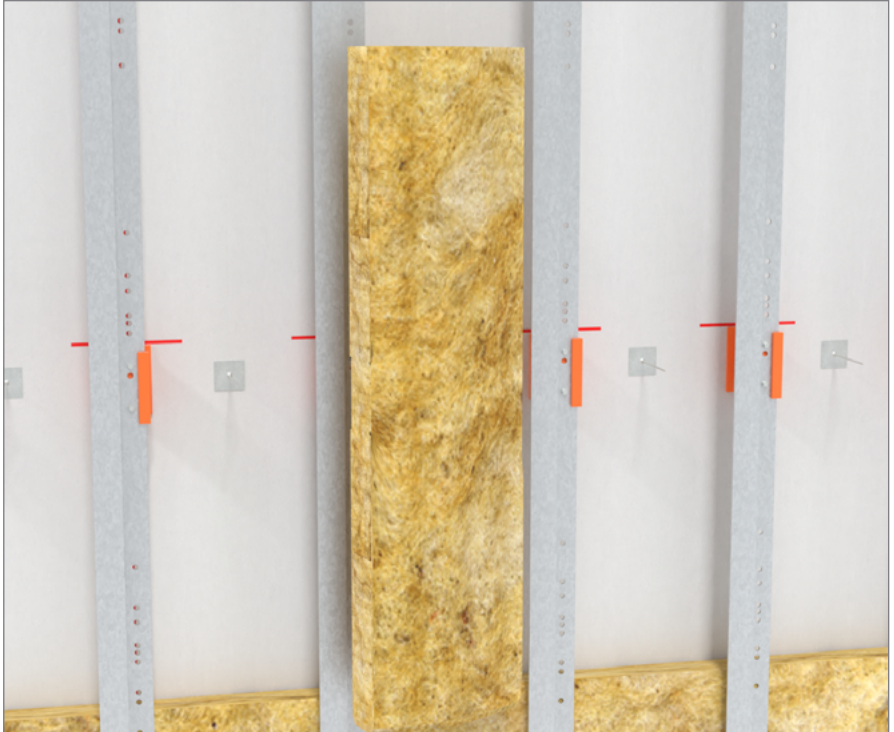
Z-GIRTS

7. INSTALL INSULATION

SEMI-RIGID INSULATION

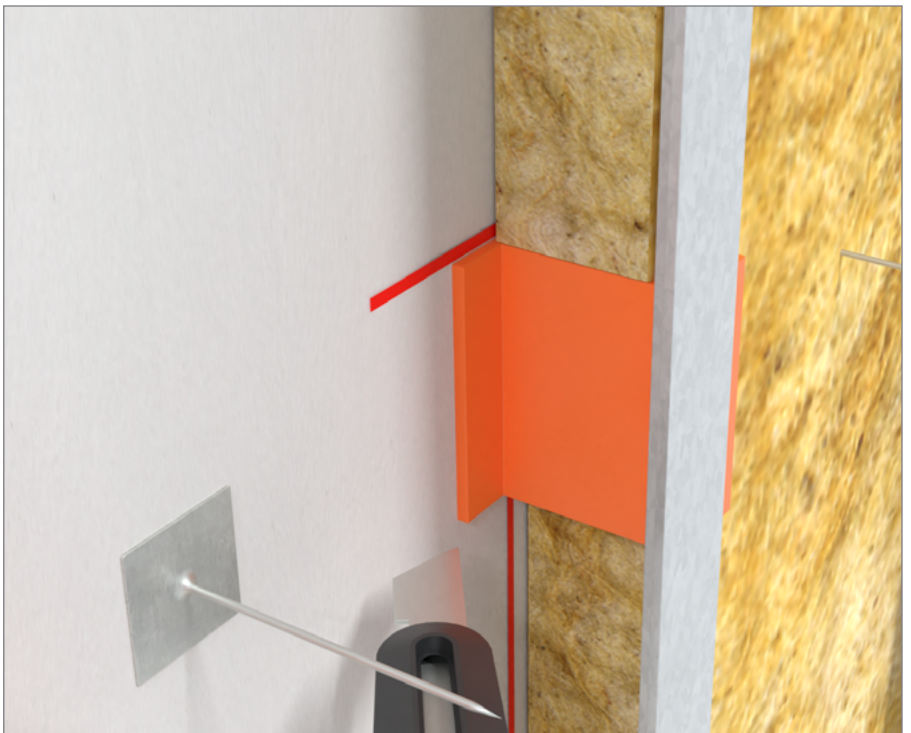
Install insulation retention system in accordance with manufacturer's instructions.

Fit insulation between z-girts, ensuring a tight fit.



Cut a small relief cut in the side of the insulation to accommodate the clip.

Repeat the process across the remainder of the wall.



CASCADIA CLIP - VERTICAL APPLICATIONS

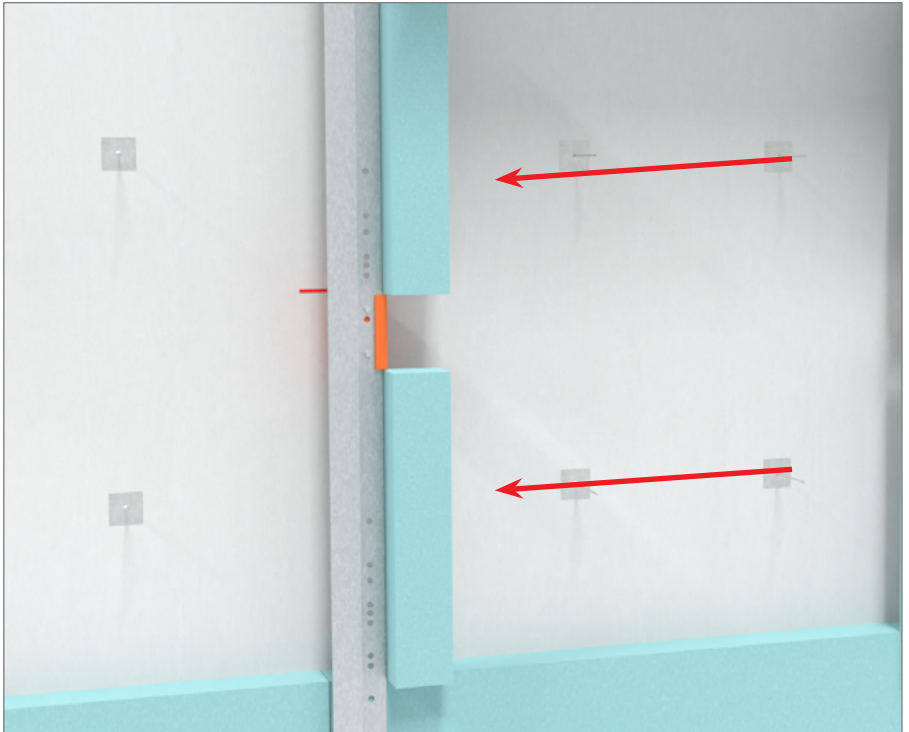
Z-GIRTS

7A. INSTALL INSULATION

RIGID INSULATION

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

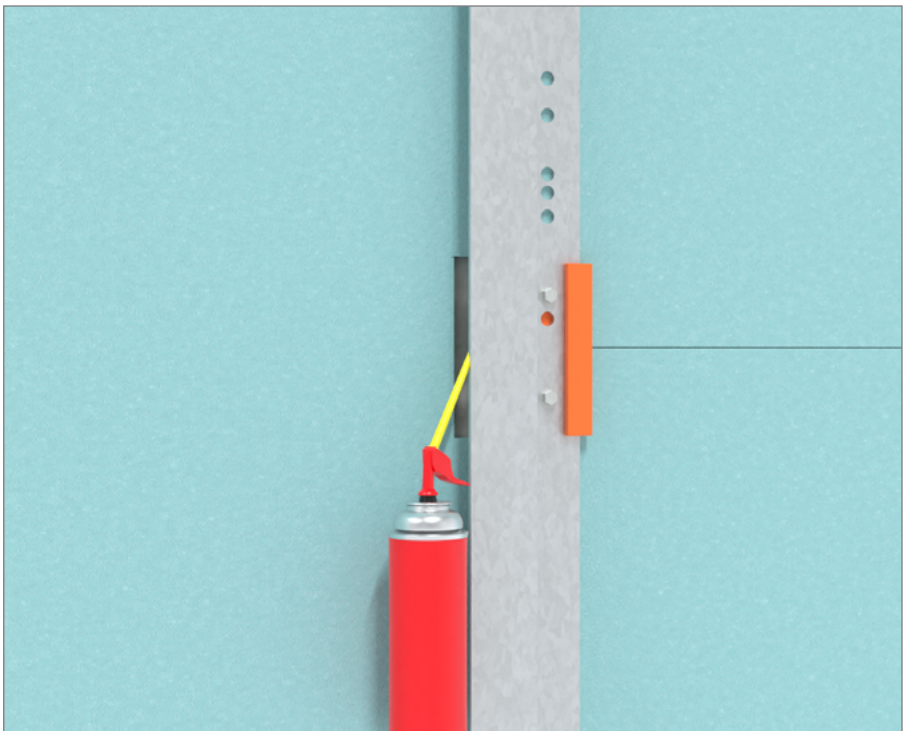
Cut strips of rigid insulation and fit behind the z-girt.



Fit insulation between z-girts, ensuring a tight fit.

Fill any gaps around the clips with spray foam.

Repeat the process across the remainder of the wall.



CASCADIA CLIP - VERTICAL APPLICATIONS

Z-GIRTS

8. INSTALL CLADDING

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

