

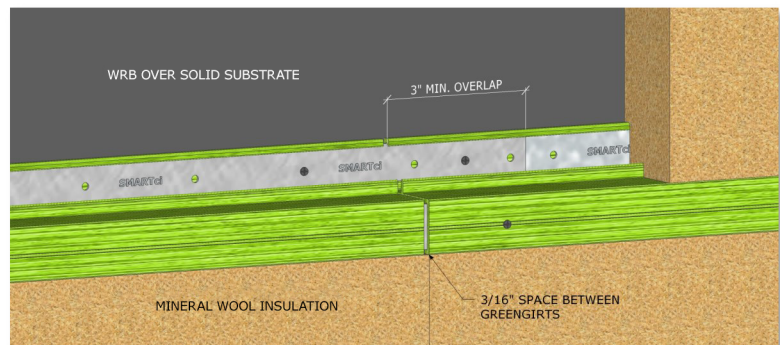
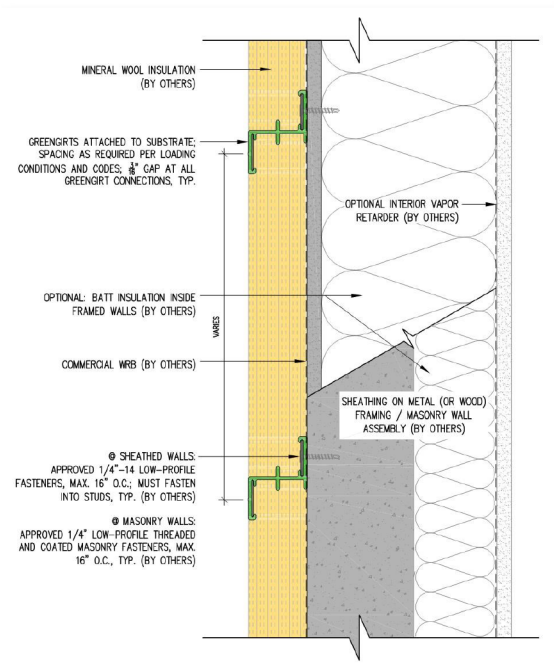
## Using **GreenGirt**™ with Mineral Wool Insulation

Advanced Architectural Products requires contractors provide one of the following systems over a solid or masonry substrate, applied per manufacturer’s specifications, to create a pinhole void free weather resistive barrier (WRB), prior to installing **GreenGirt**™ with mineral wool / fiberglass insulation:

1. Fluid-Applied WRB
2. Self-Adhering Sheeted WRB
3. Commercial-grade, Spun-bonded Polyethylene WRB

**GreenGirt**™ can be installed either vertically (as full girts or clips) or horizontally with mineral wool insulation, following A2P’s Installation Guides, with the following **additional requirements**:

1. **Vertical Applications** must be plumb and properly spaced to help ensure mineral wool insulation retention. It is recommended that precautions be taken by the contractor / installer to restrain the mineral wool insulation prior to installing any exterior cladding systems.
2. **Horizontal Applications** must be level and properly spaced. Installer must retain mineral wool insulation prior to installing exterior cladding systems. **GreenGirts**™ should have a 3/16” space **without sealant** at connections. This space allows for the hydrostatic properties of water to form a guttering system for moisture escape.



Above and at left are illustrated the special conditions for using mineral wool insulation with a horizontal installation of **GreenGirt**™.

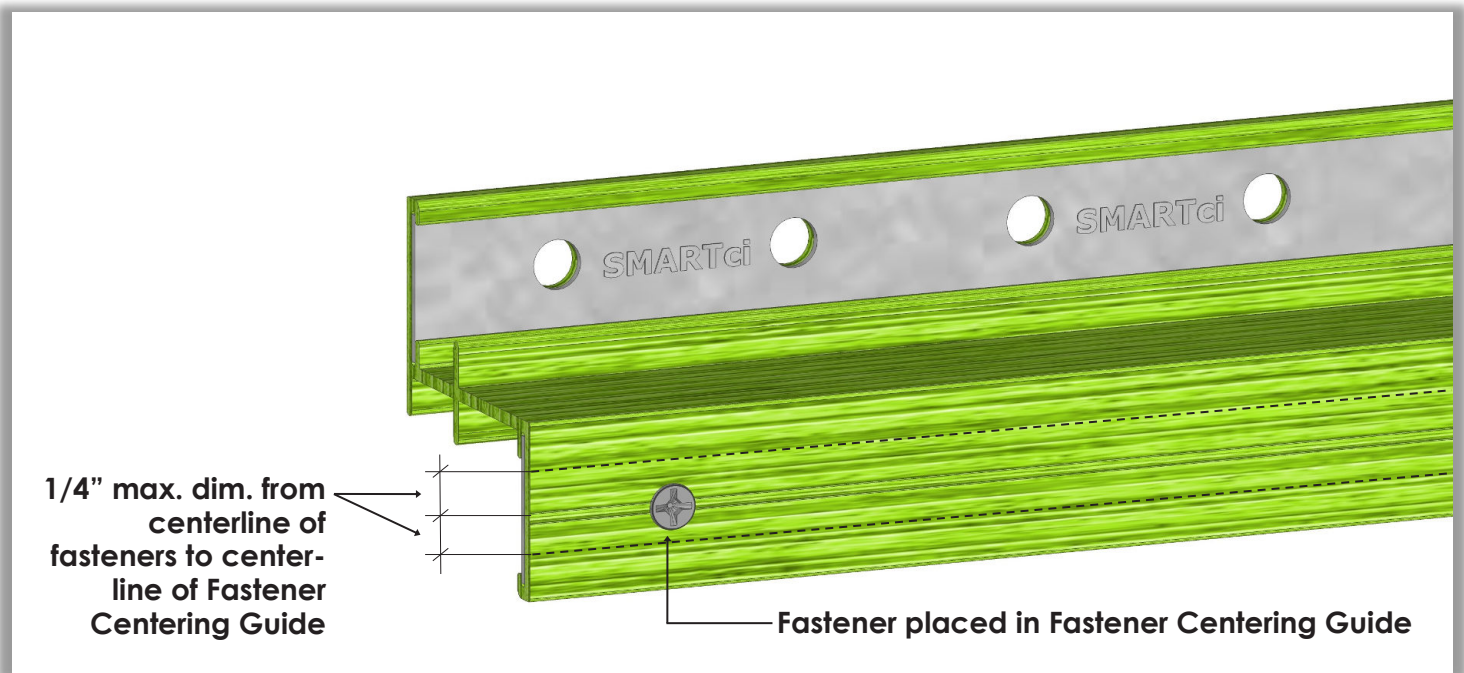
**Note!** Impact hammers / drills or similar tools should never be used to install **GreenGirt**™.

# Installing **GreenGirt™** with Mineral Wool Insulation

**General Notes** With approved engineering, **GreenGirt™** is designed to be installed either vertically or horizontally up to 48" O.C., with fasteners attaching them to the substrate on center. This spacing is determined by the type and size of insulation used, the material and scale of the final cladding, or both.

We recommend that **GreenGirt™** is installed beginning at a transition or termination, relevant to project architecture and building conditions. It is essential that the starting vertical column/horizontal row of **GreenGirt™** be properly secured to the substrate, and is level/plumb and true. For further guidance, please refer to the Installation Guide for the selected system, and the Standard Details for Mineral Wool Installation.

Note, impact fasteners or impact power tools **should not be used** to install **GreenGirt™**. Shims may be used up to 1/4" in depth.



**Cladding Fastening** When attaching fasteners to the cladding face of **GreenGirt™**, the best location in which to insert them is in the middle of the Fastener Centering Guide. If this is not possible, the guidelines illustrated above should be followed. Failure to maintain proper distance from the edge of the girt face may compromise the integrity of the member. Additionally, the seams of applied sheathing **should not align** with the Fastener Centering Guide.

# Installing **GreenGirt™** with Mineral Wool Insulation

## **Steel Preparation & Fastening**

Verify that the steel framing is flat, with no steps or voids greater than 1/4" in any area. Fastening **GreenGirt™** to steel framing is performed with low-profile 1/4" #14 fasteners, maximum 16" on center, of sufficient diameter and loading capacity for the application, as noted on the GreenGirt Max CMH™ and GreenGirt Optima CMH™ brochures, utilizing the pre-drilled holes in the metal retention plates.

## **Masonry Preparation & Fastening**

Remove high spots and fill in low spots prior to attaching **GreenGirt™** to masonry substrates. Remove any extra materials protruding from the surface of walls, such as chunks of mortar or concrete, and even wall surface to within 1/4" per every 96". All high and low spots should be leveled to provide an even wall surface.

Fastening **GreenGirt™** to a masonry substrate can be accomplished by using approved, low-profile threaded and coated 1/4" masonry fasteners, maximum 16" on center, of sufficient design to accommodate the design load. Pre-drill the **GreenGirt™** metal substrate insert as needed. Refer to specific project documents for fasteners types and sizes.

## **Connecting GreenGirt™**

When connecting two pieces of **GreenGirt™**, these steps **must be followed**. Please note that unlike using the **SMARTci™** system, mineral wool applications do not require the end connections of **GreenGirts™** to have any sealant.

1. Carefully slide the extended galvanized metal substrate insert and cladding insert of the already installed **GreenGirt™** into the corresponding channels of the new, receiving **GreenGirt™**. In vertical applications, leave a **1/16" gap and minimum of 3" overlap** of the inserts; in horizontal applications, leave a **3/16" gap and minimum of 3" overlap** of the inserts.
2. Fasten the **GreenGirt™** through the overlapped galvanized metal inserts into the substrate with approved fasteners.