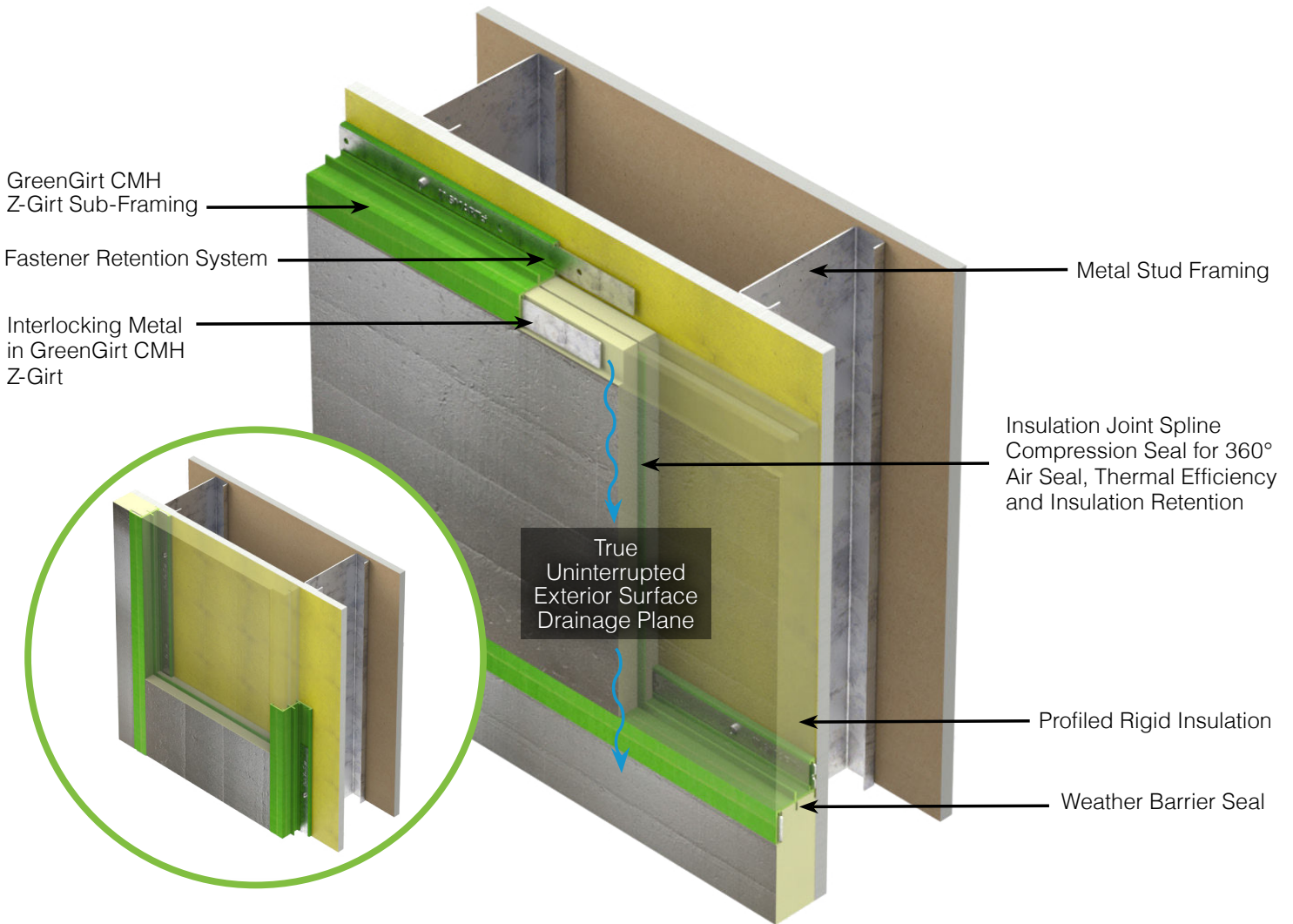


2 in 1 Continuous Insulation System

GreenGirt® CMH Z-Girt Sub-Framing & Insulation for Horizontal and Vertical Applications

The SMARTci 2 in 1 System combines the building sub-framing and continuous insulation into one cost-effective solution. Using the GreenGirt *composite metal hybrid* (CMH) z-girt, the SMARTci 2 in 1 System provides a thermal break and universal cladding attachment surface. Our System is designed for best practices to address the inadequacies of other continuous insulation solutions. The superior SMARTci Systems thermal efficiency leads to decreased energy costs for long-term cost savings. The SMARTci 2 in 1 System encompasses GreenGirt CMH sub-framing with rigid insulation (EPS, XPS, or polyiso).



Best Practices:



Thermal Efficiency



Structurally Engineered



Fastener Retention



Durability



Fire Resistant



Environmental Impact



Building Health



Ease of Installation

The SMARTci 2 in 1 System installs up to four times faster than traditional sub-framing and insulation systems. SMARTci Systems provide best practice continuous insulation solutions that eliminate through-insulation fasteners, designed via finite element analysis (FEA), and is fully tested and proven in the field.



Declare.

SMARTci 2 in 1 System

Eliminate Thermal Bridging with GreenGirt® CMH Z-Girt

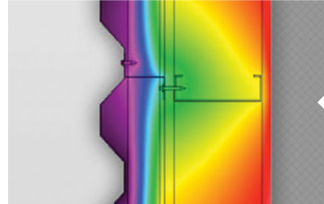
System Benefits

- Eliminates thermal bridging
- Installs up to 4x faster than conventional systems
- 92 – 98% thermally efficient, yielding the highest r-values
- 1.5" – 8" depths available to meet r-value building code requirements
- Reduces the amount of insulation needed to achieve desired r-values
- Can eliminate the need for insulation retention tools
- Universally compatible with all cladding and substrates
- No through-fasteners or through-metal to framing
- E84 Class A tested and NFPA 285 compliant
- FEA designed for optimal strength

The Problem: Thermal Bridging

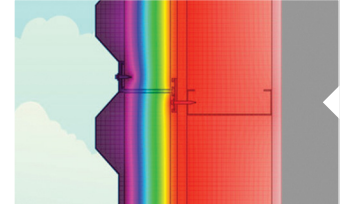
When metal is used to connect the exterior components of a building directly to the interior framing, this causes a thermal bridge. This thermal path of least resistance allows heat (or cold) to escape, creating a vulnerability for cold spots and allowing moisture problems. Using materials that eliminate the thermal bridge improves thermal efficiency to avoid unnecessary heating and cooling costs long term.

Conventional Systems:



Fasteners and framing contribute to energy loss

GreenGirt CMH:



Minimizing the thermal impact of fasteners and framing

The Solution: GreenGirt

GreenGirt was engineered and designed as a simple, complete solution to help create smarter buildings. With significant energy savings and reduced carbon emissions, it's the best assembly to help you earn points toward LEED certification. Unlike other attachment systems, GreenGirt completely prevents thermal bridges that are created by metal fasteners and framing. It does not create cold spots for condensation inside your walls. It has a universal attachment design for virtually any cladding, insulation and substrate, including closed-framing.



MGM Springfield

Springfield, MA

Architects and engineers transformed 14-acres of historic downtown space in Springfield, MA with the MGM Springfield Hotel & Casino. The complex development involved relocating a 150-year-old church, and renovation of historic buildings as well as new structures.

This project utilized the SMARTci 2 in 1 System with polyiso insulation on a metal stud substrate. 4" GreenGirt CMH sub-framing was installed horizontally spaced 16" on center with seven different types of cladding attached.