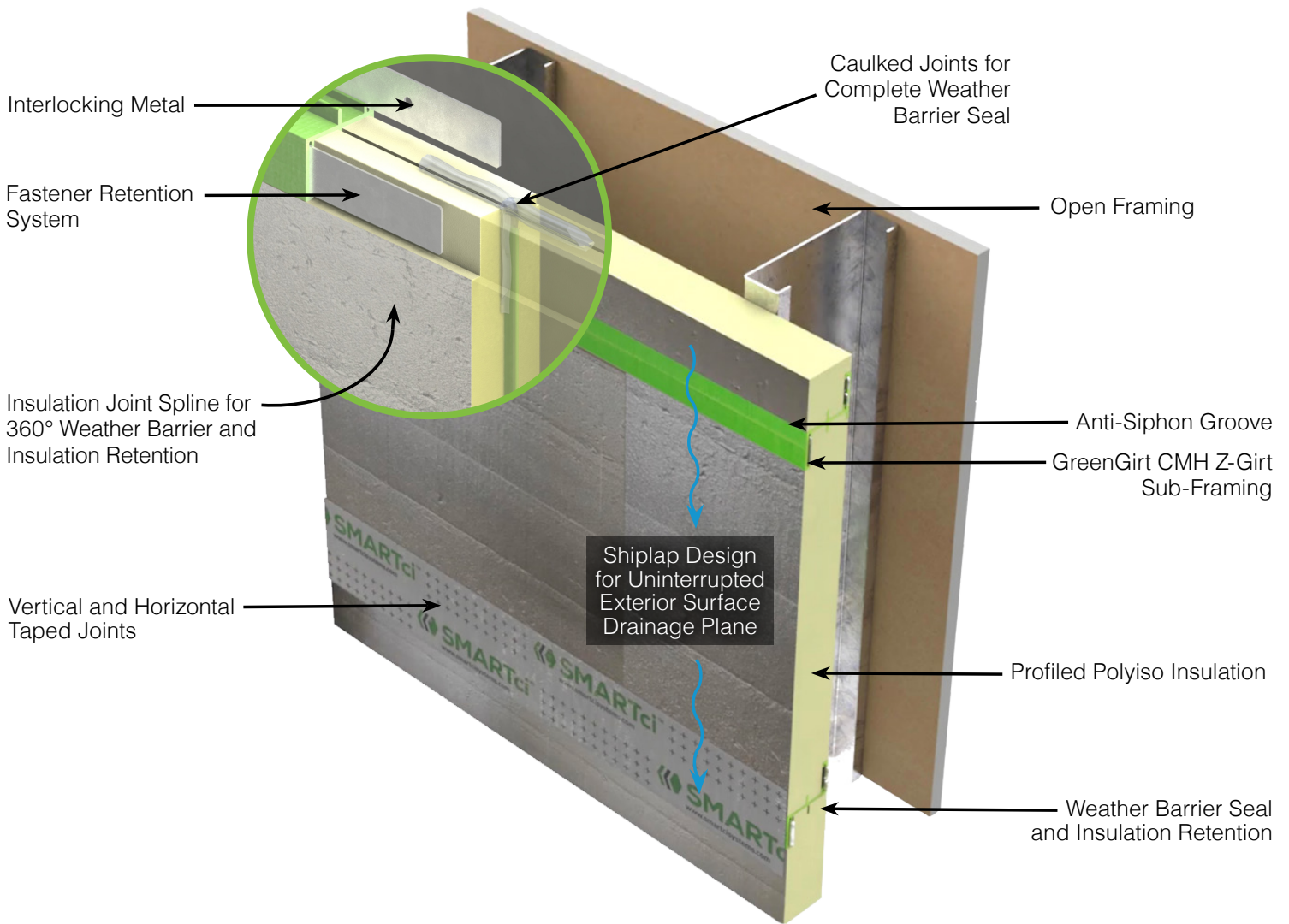


## 3 in 1 Continuous Insulation System

GreenGirt® CMH Sub-Framing, Insulation & Weather Resistant Barrier for Horizontal Applications

The SMARTci 3 in 1 System combines the building sub-framing, continuous insulation, and air, vapor, and weather-resistant barrier into one unique cost-effective solution. Using the GreenGirt *composite metal hybrid* (CMH) z-girt, SMARTci Systems provide 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 3 in 1 System encompasses GreenGirt subframing, polyiso insulation, and weather resistant barrier (WRB) accessories.



Structural Integrity



Fastener Retention



Thermal Efficiency



Durability



Fire Resistant



Environmental Impact



Building Health



Ease of Installation

The SMARTci 3 in 1 System installs up to four times faster than traditional sub-framing and insulation systems. SMARTci Systems provide best practice continuous insulation solutions, designed via finite element analysis (FEA), is fully tested and approved ASTM E84 Class A rating, NFPA 285 compliant and proven in the field.



# SMARTci 3 in 1 System

Eliminate Thermal Bridging with GreenGirt® CMH Z-Girt

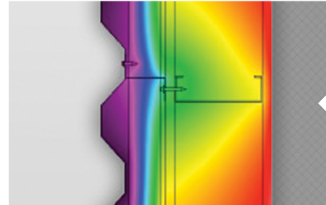
## System Benefits

- Eliminates thermal bridging
- Weatherproof your building up to 4x faster than conventional systems
- 92 – 98% thermally efficient, yielding the highest r-values
- 2” – 4” depths available to meet r-value building code requirements
- Provides air, water & vapor-tight WRB @20psf
- Reduces stud size and eliminates sheathing
- Can eliminate the need for insulation retention tools
- Universally compatible with all cladding and substrates
- No through-insulation fasteners or through-metal to framing

## The Problem: Thermal Bridging

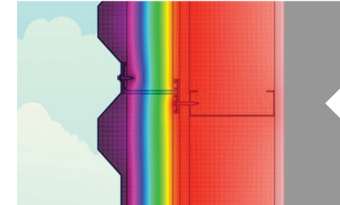
When metal is used to connect the exterior components of a building directly to the interior framing, this causes a thermal bridge. This thermal path of least resistance allows heat (or cold) to escape, creating a vulnerability for cold spots and allowing moisture problems. Using materials that eliminate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

GreenGirt composite metal hybrid (CMH) was created 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 CMH 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 and open-framing.



## Embassy Suites by Hilton Grand Rapids, Michigan

The 7-story hotel has 250 rooms with 110,000 square feet of exterior wall space. This project utilized the SMARTci 3 in 1 Continuous Insulation System with polyiso insulation on open-metal stud-framing substrate, as a full continuous insulation system and weather-resistive barrier. 2.5” GreenGirt was installed horizontally spaced 24” on center with fiber cement cladding attached.

The Grand Rapids Neighborhood Business Alliance (NBA) presented the building with the Best New Construction award.