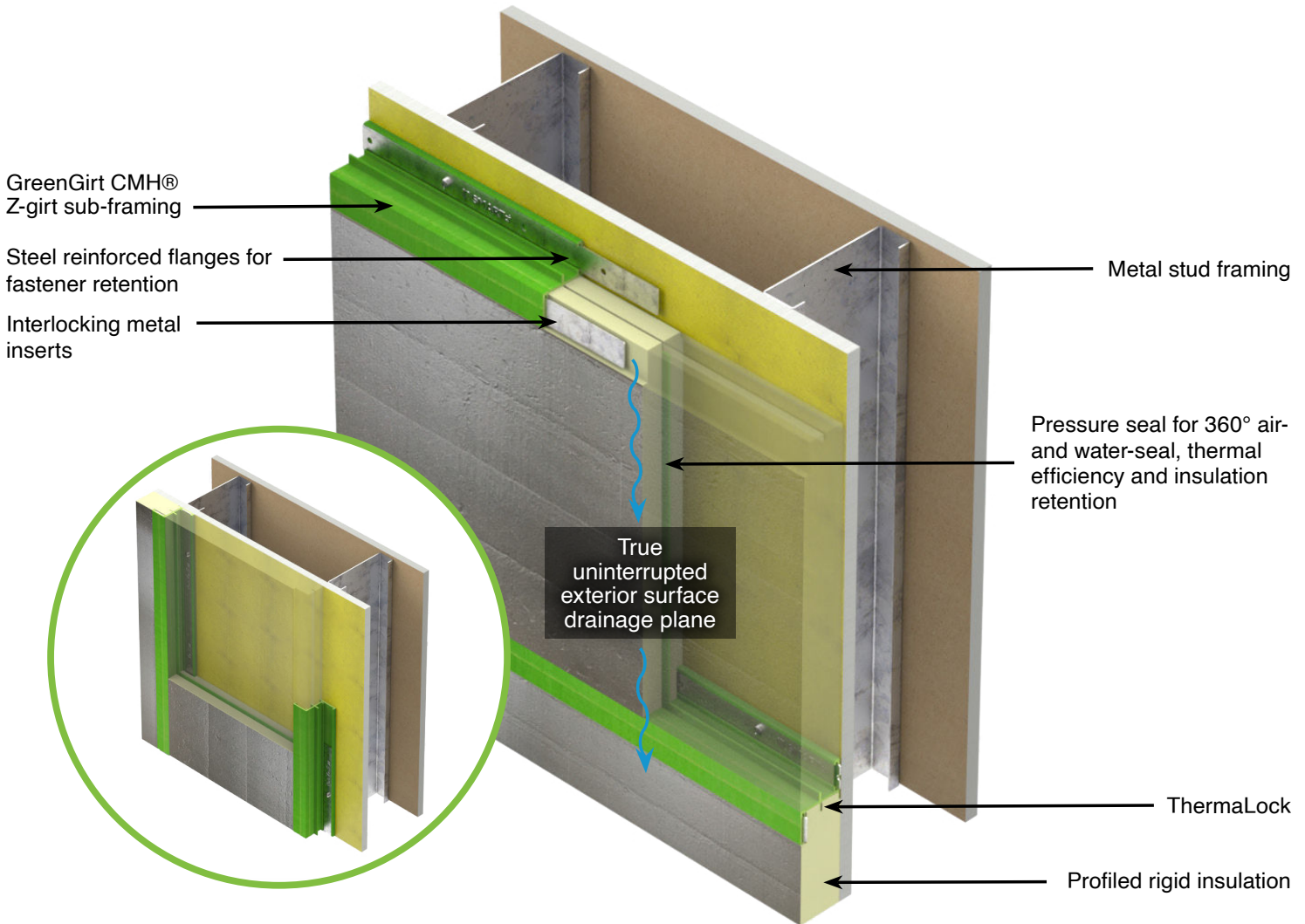


## SMARTci® (on closed framing)

Building enclosure system with GreenGirt CMH™

SMARTci is an air- and water-tight building enclosure system that eliminates thermal bypass and is comprised of GreenGirt CMH sub-framing, integrated custom-profiled insulation panels, and necessary accessories. SMARTci can be installed over traditional closed framing with sheathing and a water-resistive barrier for water tightness to 1.57 PSF and air tightness to 6 PSF. (WRB/sheathing provided by others.)



### Best Practices:



Thermal Efficiency



Structurally Engineered



Fastener Retention



Durability



Fire Resistant



Environmental Impact



Building Health



Ease of Installation

The SMARTci system installs up to four times faster than traditional systems. The SMARTci system provides a best practice air- and water-tight building enclosure solution that eliminates through-insulation fasteners, designed via finite element analysis (FEA), and is fully tested and proven in the field.



**Declare.**

# SMARTci® (on closed framing)

Building enclosure system with GreenGirt CMH™

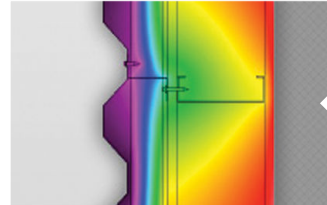
## System Benefits

- Eliminates thermal bridging
- Installs up to 4x faster than conventional systems
- 92–99% thermally efficient, yielding the highest R-values
- 1.5" to 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
- NFPA E84 Class A rated & NFPA 285 compliant
- FEA designed for optimal strength

## The Problem: Attachment Thermal Bridges

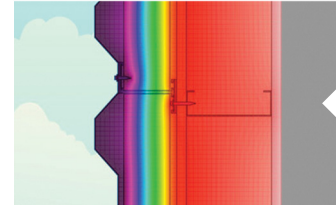
When metal is used to connect the exterior wall components through the building insulation, it creates a thermal bridge. This creates a thermal path of least resistance, that reduces the effectiveness of the insulation at the point of connection, potentially leading to localized envelope failure. Thermal bridges often create cold spots that reduce the efficiency of the wall and can create moisture related problems.

Conventional Systems:



Fasteners and framing contribute to energy loss

GreenGirt CMH:



Minimizing the thermal impact of fasteners and framing

## The Solution: GreenGirt CMH

GreenGirt CMH provides an incredibly energy efficient envelope solution, assisting in earning LEED, as well as other sustainability certifications. Without the conductive fasteners and materials, GreenGirt CMH can help eliminate moisture development, a leading cause of costly building envelope failure. Capable of being used with nearly any exterior wall design approach, the system provides benefits to any project in any location.

The composite metal hybrid design maximizes beneficial properties of both steel and composite materials. This provides a high strength to weight ratio for structural integrity and easy installation. The CMH technology improves fastener torque & pullout strength and provides longitudinal & crosswise strength, unlike FRP products.



## 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 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.