



CI® System Cladding Support

True Continuous Insulation for Simple Code Compliance

Knight Wall Systems® CI® System is engineered to deliver outstanding thermal performance while supporting a wide range of façade or cladding applications with strength, long-term durability, and installation ease.

Simple Code Compliance

Designed for straightforward specification and efficient installation, this engineered support system helps projects meet or exceed *prescriptive* North American energy code requirements, including 2024 IECC, while maintaining constructability in the field.

The CI® System uses proprietary ¾" deep vertical box girts, known as CI-GIRT®, to effectively transfer façade loads over exterior continuous insulation. Only thermally isolated *ANKIT® fasteners penetrate the insulation*, minimizing thermal bridging while helping to maintain the integrity of the water control layer at wall anchor penetrations.

Design with Ease

The CI® System supports a wide range of cladding materials, including metal panels, fiber cement, ACM, terra cotta, and more. It is compatible with approved rigid insulation and high-density mineral wool, giving architects and contractors the flexibility to design high-performance wall assemblies without limiting cladding selection.

For basic horizontal cladding applications, a single layer of CI-GIRT® may be used for a simple, efficient support strategy. While more complex façade designs may benefit from pairing CI® with Knight Wall Systems' secondary rails to provide specialized attachment points and expanded design flexibility.

Material Transparency

In addition to performance and versatility, the CI® System supports project sustainability goals. It features a third-party verified Environmental Product Declaration (EPD), carries a Declare label, is Red List Free, and is 100% recyclable, helping teams meet green building standards and material transparency requirements.

THERMAL PERFORMANCE EFFICIENCY:

CI® SYSTEM:	98% - 95%
FIBERGLASS BRACKETS:	85% - 75%
ALUMINUM BRACKETS:	75% - 59%
HORIZONTAL Z-GIRTS:	65% - 50%
VERTICAL Z-GIRTS:	55% - 40%

*Percentage of efficiency is for illustrative purposes only; will vary based upon exact wall assembly.

EXAMPLE U-VALUES

EXTERIOR INSULATION	ASSEMBLY U-VALUE	EFFECTIVE R-VALUE
2.0" (R-13)	0.064	15.7
2.5" (R-16)	0.054	18.5
3.0" (R-19)	0.047	21.1

Based on a typical steel stud wall.

Please see KNIGHT WALL SYSTEMS 3D thermal modeling report for more information and assembly specific U-factors.



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www.knightwallsystems.com
ALL KNIGHT WALL SYSTEMS COMPONENTS
ARE MANUFACTURED IN THE USA.

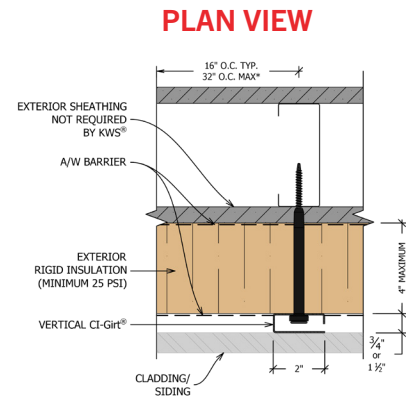
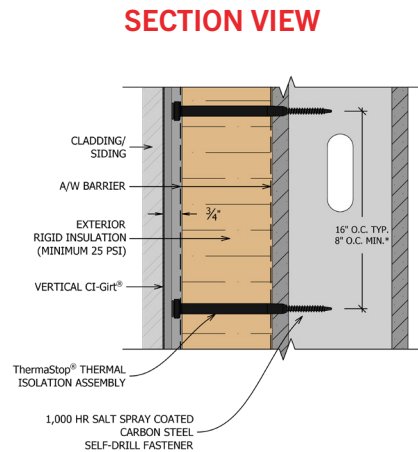


Advantages to CI® System Cladding Support

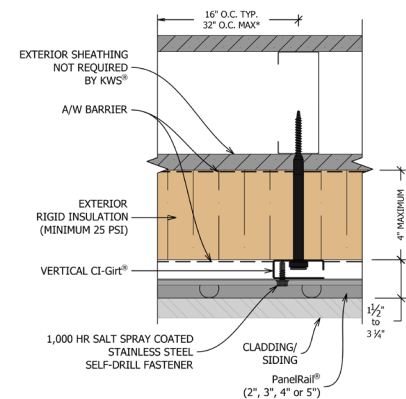
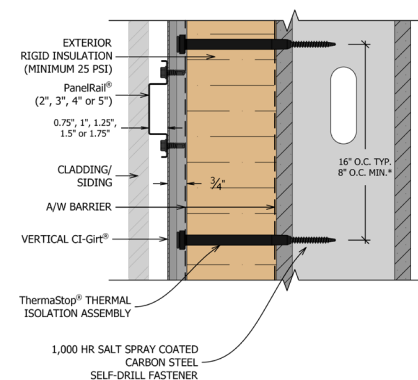
- Non-combustible, thermally-isolated cladding support system
- CI-GIRT spacing up to 32" O.C. reduces installation time
- Supports cladding weighing up to 25 PSF*
- No insulation cutting or trimming around girts or clips required for faster installation
- Up to 10x greater corrosion resistance than G90 galvanized steel
- Black finish or stainless steel material available
- Install over steel studs, wood studs, CMU, and concrete substrates
- Compatible with virtually any code compliant cladding material
- Compatible with a wide range of code-compliant rigid insulation products, including high-density mineral wool.
- Continuously ventilated rainscreen cavity promotes drainage and airflow
- Complete system with girts, fasteners, and project specific engineering
- Third-party tested and backed by a 10-year limited warranty
- One-source responsibility from design through installation

*Maximum allowable spacing and dead load (weight of cladding) is based on the total load (dead + live) acting on the assembly and connections. Wall anchors must be specified and supplied by KWS® for a written limited warranty. KWS will specify the exact anchor type, embedment depth and spacing for anchors in project specific engineering packages. ANKIT® fasteners with THERMASTOP® thermal isolation tubes must be used with the HCl or CI® system, no matter the substrate. Contact KWS for more information.

Vertical CI-GIRT® Only



Vertical CI-GIRT® + Horizontal PANELRAIL®



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