

CASE STUDY: VERIZON RETAIL STORE, LOUISVILLE



CHALLENGES

No construction schedule is 100% predictable, especially when it comes to forecasting the weather. This was the primary challenge for a Verizon Wireless retail store. When historically-low temperatures and a record snowfall hit Louisville, the project faced massive delays and subsequent overruns.

The customer needed a system that would do triple duty: create an air water vapor barrier for the open-framed / masonry wall building, allow for easy, continuous attachment of the new metal panel system, and make up lost time by installing quickly. It also had to meet or exceed the latest building codes.

SOLUTIONS

SMARTci™ was the answer to all of the challenges presented by the Verizon Louisville project. Having already teamed-up with the communications company at a retail location, the product and process had been verified.

With a shortened timeline, the quick installation of SMARTci™ was an obvious choice. GreenGirts™ fastened seamlessly to the building substrates. The all-in-one system eliminated multiple steps and provided a complete air and vapor barrier swiftly; subsequent trades were able to come in and finish the building sooner, completing the project on time and on budget.



RESULTS

- SMARTci™ saved time and money by eliminating cavity insulation and exterior gypsum sheathing
- SMARTci™ created a highly-efficient thermal barrier that drastically reduced energy costs
- Less trades were involved on the job, decreasing labor costs
- The building was dried in faster, allowing crews to resume work sooner
- SMARTci™ allows Verizon to reskin this retail location easily and at lower costs in the future, while maintaining a complete air and vapor barrier

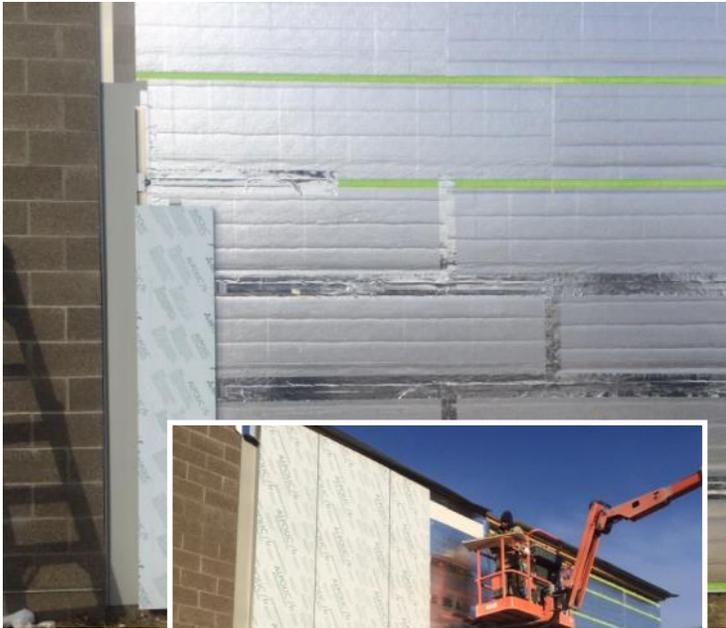


SMARTci™ is a continuous insulation system that can dramatically reduce the cost to heat and cool a building. The system is comprised of thermally insulated sub-girts, insulation and universal cladding attachments. It meets ASHRAE 90.1-2013 and ASHRAE 160-2009 codes. It can assist in LEED certification and utilizes green building technology, so it's environmentally friendly, too! **Simply put, SMARTci makes buildings smarter.**

PROJECT SUMMARY

SMARTci™ GreenGirt™ Simple-Z™ 200 Horizontal w/Polyiso Rigid Panel Insulation on Open Metal Framing and CMU Walls; Aluminum Composite Panel Cladding & Brick

- Louisville, Kentucky, U.S.A.
- New, Single-Story Construction
- 2200 Square Ft. Retail Store



“The SMARTci™ system arrived pre-cut and was significantly easier to install than standard construction, which enabled our crews to make up lost time on the job.”

- The Hatch Group, Construction Management

“We were concerned to find the HVAC system inactive during mudding and taping when we arrived for a mid-winter site visit. The Contractor explained it had only been operated once, to eliminate the chill in the air, and was not needed after that; the building was so efficient it remained warm and dry, significantly reducing energy costs. This was our first time using SMARTci™ and we were very impressed with its thermal performance.”

- inFORM Studio, Architects

“It was very easy to clad the building in metal panels over the SMARTci™ system. The GreenGirt™ provided an excellent structure and we felt completely confident working with it.”

- Wolverine Enclosures, Installation Contractors



SMARTER BY DESIGN. PROVEN BY PERFORMANCE.



ADVANCED ARCHITECTURAL PRODUCTS, LLC
959 INDUSTRIAL DR • ALLEGAN, MI • 49010
269.355.1818 • www.SMARTciSystems.com