CASE STUDY: ROWLEY CENTER FOR SCIENCE & ENGINEERING, SUNY ORANGE

ADVANCED ARCHITECTURAL PRODUCTS.

CHALLENGES

The campus of the State University of New York - Orange County Community College was abuzz with the construction of the new, state-of-the-art Rowley Center for Science & Engineering. As with any large construction project, there were several issues that challenged the crews on the jobsite.

The extreme and record-breaking winter conditions in New York pushed the contractors and schedule to the limits. The weather slowed the application of the fluid-applied weather-resistant barrier onto the sheathing, delaying the entire process. Misalignment of the substrate to the elevations caused further delays. It also had to meet or exceed the latest building codes.

SOLUTIONS

SMARTci™ was the answer to all of the challenges presented by the SUNY Orange Rowley Center; it provided an efficient, cost-effective and code-compliant solution. With no weather-dependent restrictions, the combination of GreenGirt™ and custom-profiled polyiso insulation panels easily helped in regaining critical lost time in the schedule. System features were key in achieving this: pre-punched fastener holes, thermal sealing tape, and on site, proprietary profiling played a significant role in time savings.

The metal panel and brick cladding attached directly to GreenGirt™ and followed right behind the installation of the system. There was no need to wait for an entire wall to be completed. Walls were closed and the building dried in as soon as SMARTci™ went on.

RESULTS

- SMARTci™ saved time and money by allowing faster, real-time metal panel installation
- SMARTci™ allowed for easy coursing of the exterior brick veneer system
- SMARTci™ created a highly-efficient thermal barrier that drastically reduced energy costs
- Less trades were involved on the job, decreasing labor costs and advancing the schedule
- The building was dried in faster, allowing crews to resume work sooner

SMARTci

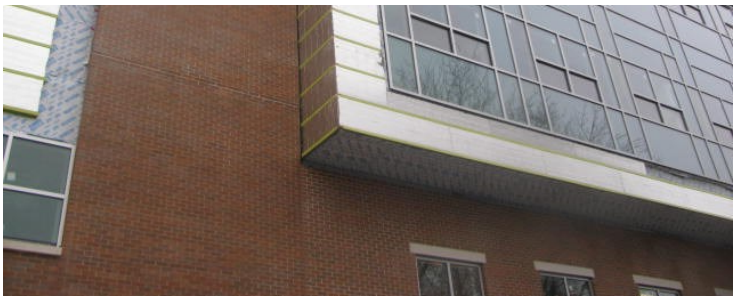
SMARTER BY DESIGN. PROVEN BY PERFORMANCE.

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™ 300 Horizontal w/Polyiso Rigid Panel Insulation on Sheathed Metal Framing; Aluminum Composite Panel Cladding & Brick

- Middletown, Orange County, New York, U.S.A.
- New, 4-Story Construction
- 107,000 Square Foot Building
- Higher Education Science and Engineering Research Facility



"The SMARTci™ system was fast, clean and allowed for the building to be enclosed very quickly. Install, tape and clad — perfect! We were able to make up significant lost time in the schedule."
- Holt Construction, Construction Management

"The SMARTci™ system allowed us to achieve code compliance with a superior thermal product. The design of the GreenGirt™ is innovative and incredibly versatile - a product we have been looking to utilize in our architecture and designs. "
- JMZ Architects & Planners, P.C.

"SMARTci™ was very easy to install. The pre-punched GreenGirt™ metal inserts really saved time during their installation, and were able to attatch the metal panels immediately on the finished sections of the system - a huge time savings!"
- Wolverine Enclosures, Installation Contractors

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