

FEATURED PROJECT

FCG DEMONSTRATES ITS SUSTAINABLE CONSTRUCTION PROWESS WITH AAON'S NEW NET ZERO EXPLORATION CENTER

BUSINESS: AAON

CATEGORY: MANUFACTURING

LOCATION: TULSA, OK

CONSTRUCTION TYPE: NEW CONSTRUCTION

SQUARE FEET: 27,909

AAON's commitment to sustainability and energy efficiency goes beyond its lineup of innovative HVAC equipment to inform business decisions across their entire operation. When they decided to build a new product exploration center, they committed to the project being net zero (meaning the building would be efficient enough to have a neutral emissions profile). The center includes 10K square feet of showroom space where their customers can see, test and explore AAON's world class systems through a range of exhibits that highlight their product's features and benefits. The building also features three stories and 10K square feet of office space accented with full curtainwall glazing, a 7K square foot assembly area, a conference area and lobby.

To attain net zero status, the exploration center utilizes AAON's own geothermal HVAC system, enhanced building envelope insulation, and LED lighting and controls. The construction consists of Armstrong linear wood ceilings, curtainwall glazing, and structural concrete, which replaced the original order of structural steel, to mitigate Covid-era supply chain constraints and meet construction timelines. The Fleming Construction Group worked with Bridge Crane Specialists to erect the full curtainwall glazing system and pre-engineered building components to complete the project on-time with zero recordable safety incidents.

PROJECT SCOPE

- Building Materials: Structural Concrete, Curtainwall Glazing, Armstrong Linear Wood Ceiling
- Special Equipment: AAON Geothermal HVAC System
- Efficiency LED Lighting and Controls
- Enhanced Building Envelope Insulation

RESULTS

- Completed On-Time
- Building Qualifies for Energy Efficiency Rebates and Federal Tax Deductions
- Zero Recordable Safety Incidents

"We constructed this building to showcase our lineup of next generation, hyper-efficient HVAC products, so it was important to us that the building itself (and the construction process) be efficient. We chose FCG to be our implementation partner because we trusted that their skill and capabilities would help us reach our goals - and they came through, just like we knew they would."

-AUSTIN EMBREE, AAON



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