

The University of Texas at Dallas Engineering Building



Project Facts

- Final Construction Cost
 - \$ 110,000,000
- Size
 - 208,000 sq. ft.
- Construction Type
 - New Construction
- Completion Date
 - March 1, 2019
- Mechanical Systems
 - Air Handling Units
 - Variable Volume Terminal Units
 - Exhaust Fans
 - Lab Exhaust Fans
 - Chilled Beam System
 - Water to Water Heat Exchanger
 - Steam to Water Heat Exchanger
- Plumbing Systems
 - Domestic Hot Water
- Electrical Systems
 - Lighting Controls

EAB Project Team

- Kit Brockles, Cx Manager
- Jeremy White, Cx Project Manager

Project Summary

The University of Texas Dallas Engineering building is a four-story, 208,000 square foot mechanical engineering facility that will provide a space for advanced research, teaching and student learning. The building has a mix of wet and dry labs and supports three specialty research areas: energy, robotics and nano-bio.

EAB facilitated the entire LEED Enhanced Commissioning process for the HVAC, domestic heating water and lighting controls. EAB witnessed the ductwork pressure testing, air handling unit leakage and deflection testing and performed the terminal box leakage testing. We reviewed the start-up documentation, developed and performed pre-functional checks and verified calibration and point integrity of all BAS points and sensors from the field to the operator's graphical interface. EAB performed the test and balance of the HVAC systems. During the Acceptance Phase of the Commissioning process, we performed the Functional Performance Testing (FPTs), the Integrated Systems Testing of the lab ventilation controls, and documented the Entire Facility Integrated Testing performed by the General Contractor. We also performed a Warranty Review 10 months after substantial completion of the project.