



GREGORY-PORTLAND INDEPENDENT SCHOOL DISTRICT – PORTLAND, TEXAS  
CAREER AND TECHNOLOGY EDUCATION CENTER



**Services Provided |**  
MEP Design + Construction Phase  
Services

**Cost |** \$8.2 million

**Completed |** 2021

**Project Delivery Method |**  
Competitive Sealed Proposal

**Project Architect |**  
Turner | Ramirez Architects

**SCA Team |**

**Project Manager:**  
Scott Stridde, P.E. – Electrical Design

**Department Leads:**  
Abel Garcia - Plumbing Design  
Jared Merdes, P.E. – HVAC Design

The Career and Technology Center is a state-of-the-art facility which will provide educational labs, classrooms and makerspaces for emerging career curriculum within the district.

The facility is designed to accommodate industrial, electrical, process technology and allied health programs while having the infrastructure to allow for the district to re-purpose spaces for new curricula as the workforce needs of the region change.

Plumbing systems included compressed air systems, oil and waste systems, sanitary systems, storm water systems, and domestic hot and cold water systems.

After careful survey of the existing proposed site location, SCA recommended that the new facility derive chilled water service from the existing Central Plant building. The design planning of the Central Plant remediation/upgrade (Another SCA project in progress while the Career and Technology building was in design phase.) proceeded with the intent to serve the new CTE building.

Additionally, the main electrical switchgear within the central building was surveyed and determined that sufficient capacity to serve the new CTE building existed. The distance between such existing main switchgear and the new CTE building was found to be well within distance limitations such that voltage drop would not have a significant effect on the electrical service feeder size. SCA recommend that the new facility derive electrical service from the existing central plant building main switchgear.