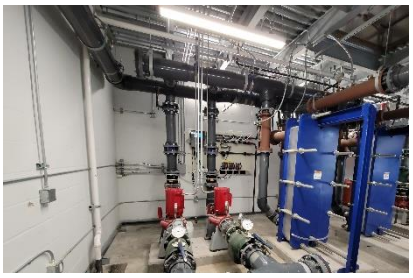
NEW ADMINISTRATION BUILDING



Services Provided |
MEP Design + Construction Phase Services

Final Cost | $23 million

Completed | 2021

Project Delivery Method |
Competitive Sealed Proposal

Project Architect |
Richter Architects

SCA Team |
Project Manager:
Scott Stridde, P.E.

Department Leads:
Jared Merdes, P.E., LEED AP – HVAC Design
Abel Garcia – Plumbing Design

Design of all MEP systems for construction of a 70,000 sq. ft. multi-story new office building that primarily houses administration, operations, and engineering activities for the Port of Corpus Christi Authority. Design of the MEP systems was done with the South Texas Gulf Coast environment in mind.

The new headquarters will bring staff into one facility for the first time in more than 58 years, replacing the aging, undersized administration building built in the early 1960s. The building will provide staff with improved, state-of-the-art workspaces to facilitate internal and external collaboration and communication and create an environment that retains current employees and attracts future talent while providing the Port with additional room for growth.

Original HVAC equipment design was to utilize water source heat pump equipment with VRF technology that had separately enclosed/separately connected components such that each air handing unit was separately served by multiple water cooled condensing units. SCA learned during this time of a new to market solution which included the water source heat pump equipment with VRF technology in a packaged product with equivalent redundancy, efficiency, and likely improved reliability. Furthermore, the installation was significantly simplified/reduced and the controls/programming were factory furnished and commissioned such that the complexity and risk for such construction related tasks were essentially mitigated. The quantity of equipment space required in mechanical rooms was substantially reduced, thereby improving service access and made space available for other uses at several floors of the building.