UNIVERSITY STUDENT HOUSING RENOVATION

PROJECT LOCATION: UF Broward Residence Hall – Gainesville, Florida
EXPERIENCE OF: Mitchell Gulledge Engineering, Inc.
ROLE IN PROJECT: MEPF Design Sub-Consultant

Student Apartment Suite

Student Room (Typical)

Residence Hall Corridor

CONSTRUCTION COST
$3,376,281

COMPLETION DATE
August 2020

PROJECT STAFFING
Project Manager:
Craig Gulledge, PE, CxA
Mechanical Lead:
Craig Gulledge, PE, CxA
Mechanical Designer:
Ark Szczurowski, PE, CxA
Plumbing/Fire Protection Lead:
Andrew Mitchell, PE, CxA
Electrical Designer:
Andy McCaddin, PE, RCDD

PROJECT OWNER
University of Florida
Department of Housing &
Residence Education
Chad Doering
PO Box 112100
Gainesville, FL 32611

BUILDER
Oelrich Construction, Inc.
Matt Marino
275 NW 137th Drive, Suite A
Jonesville, FL 32669

PROJECT ARCHITECT
Tekton Architecture
Todd Whitehead
10 SW 1st Avenue
Gainesville, FL 32601

PROJECT ENGINEER
Mitchell Gulledge Engineering, Inc.
Craig Gulledge, PE, CxA
210 SW 4th Ave
Gainesville, FL 32601
352.745.3991
cgulledge@mitchellgulledge.com

PROJECT SUMMARY:

This project for the University of Florida Department of Housing & Residence Education consisted of renovating the north west wing of Broward Residence Hall located on UF's main campus in Gainesville, Florida. This 160,310 GSF renovation project included the ground floor and four upper level floors of Broward Hall's NW wing. The renovation space types include common areas, student apartment suites, residence rooms, restrooms, and auxiliary support areas. The HVAC mechanical scope of work consisted of a variable refrigerant flow (VRF) system, ductless mini-split systems, and ceiling-mounted exhaust fans for the restrooms. The VRF system was comprised of a 100% outside air dedicated split-system, ceiling-mounted split-system heat pump indoor units, and a VRF outdoor unit heat pump. The plumbing scope included domestic water and sanitary waste/vent provisions for the new restrooms and trash collection areas. New plumbing fixtures and an elevator sump pump were also provided. A fire flow test was coordinated and hydraulic calculations were performed for the fire protection system renovations. Additionally, new power, lighting, security access controls, and fire alarm were added to serve the renovation area. As the project's MEPF sub-consultant and engineer of record, Mitchell Gulledge Engineering provided pre-design, design, and construction administration services including site inspections, submittal reviews, and as-built documentation.

The renovations at the University of Florida's Broward Residence Hall NW Wing demonstrates Mitchell Gulledge Engineering's ability to provide MEPF engineering design and construction administration services for fast-paced summer housing projects with strict occupancy move-in deadlines. Mitchell Gulledge Engineering completed extensive field survey and as-built verification during the project's pre-design phase to ensure no unforeseen complications would arise during design or construction. Our team also provided detailed feedback during value engineering initiatives to help keep the project on budget and on schedule. With an extremely aggressive construction schedule, our team's dedication to the success of this project was witnessed every morning 5:30 AM, seven days a week, as our team of professional engineers were active at the job site and produced daily field reports with photo documentation. This level of responsiveness and attention to detail provided invaluable during the construction process and helped to facilitate a smooth construction period to keep the project on schedule. Mitchell Gulledge Engineering is dedicated to providing this level of premium service and understands the importance of being responsive, innovative, and detail orientated.

"I am impressed with the level of detail in your field reports and the use of technology to perform field coordination and immediately resolve issues. Your process is critical to keep our fast-track summer project on schedule. Thank you and please keep up the great work."

Chad Doering
UF DHRE Facilities Director