

PROJECT EXPERIENCE

Schools

Hartsfield Elementary School Kitchen Renovation — Tallahassee, FL, 2007, HVAC and plumbing systems design for the school's kitchen renovation.

Lively Building 2 Classroom Renovation – Tallahassee, FL, 2010, second floor renovation of classrooms and upgrades to HVAC fan coil units. Project schedule was critical and required accelerated design and build services to complete over summer. The schedule was met. Total mechanical cost of renovation: \$110,000.

Lively Building 10 – Auto Mechanic Shop Renovation – Tallahassee, FL, 2010, expansion of computer lab and renovation of classroom and mechanic shop for the automotive program. Total Mechanical cost of renovation: \$35,000.

Nims Middle School Campus Upgrades— Tallahassee, FL, 2009, HVAC systems design for upgrades and renovations to entire middle school campus (approximately 60,000 SF) including classrooms, kitchen renovation, and gymnasium.

Taylor County Middle School HVAC Renovation—Taylor County, FL, 2008, Responsible for HVAC systems design for upgrades to campus wide upgrades (approximately 40,000 SF). Ultra-high efficiency VRV systems were selected for optimum control and energy efficiency.

Holy Comforter—Classroom Building #8- Tallahassee, FL, 2008, Responsible for HVAC systems design for a new (approximately 8,000 SF) 2-story classroom building and server room.

Holy Comforter—STEM Classroom Building - Tallahassee, FL, 2012, Responsible for HVAC systems design for a new 2-story classroom building and server room.

Oak Ridge Elementary HVAC Renovation – Tallahassee, FL, 2012, full HVAC renovation of classrooms from full Fan Coil unit service to modular central station AHU's with VAV control. Project schedule was critical and required accelerated design and build services to complete over summer. The schedule was met.

Franklin County School Gymnasium – Franklin County, FL, 2012, new Construction of a gymnasium. Space included classroom spaces, offices, restrooms and a full sized basketball gymnasium intended for multipurpose events.

Lively Vo Tech Automotive Program Renovation - Tallahassee, FL, 2010 - 2011, provide design-build services for renovation for the auto mechanic training program. Included installation of a new automotive exhaust capture system and repairs for existing automotive exhaust capture system. HVAC upgrades for new computer lab and classrooms. Construction cost: \$150,000

Wakulla County High School Guidance - Wakulla, FL, 2013, renovation to the guidance office for Wakulla County High School. Provided new HVAC Split Systems.

Liberty County Field House - Liberty Co, FL, 2013, new construction, locker rooms and restrooms. Provided indoor environmental control complete with exhaust and air conditioning.

Leon High School Band Room Renovation
Godby High School Classroom Renovation
Montford Middle School Classroom Renovation

Business Occupancy

Urban Green - Tallahassee, FL, 2008 - 2010, provide design-build services for HVAC for a 2-story LEED Certified office building renovation. Specified high efficiency gas heating with dx cooling systems to meet LEED energy requirements. Project Cost: \$300,000

Parkway East - Diverse Computing Office Renovation - Tallahassee, FL, 2014, complete reconfiguring of interior office space. Reuse of existing equipment with the addition of new ductwork and distribution. Very limited above ceiling space due to owners request for high ceilings.

Parkway East Lobby Renovation - Tallahassee, FL, 2014- 2015, redesign of lobby entrance. Provided HVAC and Plumbing Design which included new split system units and duct routing/space zoning, multiple fire rated penetrations, new restroom configurations.

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Sonitrol / Redwire Renovation - Tallahassee, FL, 2014 - 2015, complete gut of adjacent office space for expansion. Split systems throughout, exposed ceilings. High volume occupancy areas. Responsible for the design of HVAC and Plumbing Systems.

State Board of Administration - Tallahassee, FL, 2014 - complete gut of adjacent office space for expansion. New VAV units for distribution off of existing main ductwork.

FSU Autism Research Department - Northwood Center, Tallahassee, FL, 2011, renovation of retail and office spaces to create new facilities for the FSU Autism Department complete with offices, conference and meeting, and patient viewing and treatment facilities.

Florida Board of Professional Engineering office renovation - Tallahassee, FL, 2011, office renovation with complete rework of space partitions, needed re-zoning and re-distribution.

Enterprise - Tallahassee, FL, 2013, new construction of an enterprise rental car retail space, with garage drive through for car cleaning etc.

Department of Business and Professional Regulations Renovations - Northwood Center, Tallahassee, FL

FSU Credit Union - Tallahassee, FL, 2014, tenant build-out for a credit union near college town. Split systems above ceiling. Small ADA restrooms.

Baker Donaldson PA - Monroe Park Tower, Tallahassee, FL, 2013, office renovation that included reusing central station AHU distribution, rezoning for new office layout, adding and reusing VAV terminal units.

Health Care Administration North Florida Office Renovation - Monroe Park Tower, Tallahassee, FL, 2014, office renovation which included reusing central station AHU distribution, rezoning for new office layout, adding and reusing VAV terminal units, Total Test and Balance for 8th floor.

Snappy Turtle Surf Shop - Panama City, FL, 2013, new construction of a retail surf shop, exposed ductwork, packaged rooftop unit, salt air and hurricane protection on exterior units.

Automated Health Systems - Forest Building, Kroger Center, Tallahassee, FL, 2013 - call center for HCA, office space, large open office cubicle layout. Install new split systems to serve existing interior office space.

Arcadis Tenant Build Out - Tallahassee, FL, 2012, interior renovation for offices, conference rooms, reception, restrooms.

Other Notable Projects

Taylor Technical Institute - Admin Office HVAC Renovations

Bimbo Bakeries Distribution Center - Midway, FL

Bimbo Bakeries Distribution Center - Panama City, FL

Anytime Fitness Center - Northwood Center

Lilly Panama City

Market Plaza Hair Salon

Sesco Lighting

Health Care

Fort Walton Nursing Home - Fort Walton, FL, 2013, responsible for HVAC and Plumbing systems design for a new expansion wing including 17 new beds, physical therapy services and office space.

Tallahassee Development Center - Tallahassee, FL, 2012, renovation and upgrades for 4 assisted living residential buildings and one administration building.

Comprehensive Emergency Services Center - Tallahassee, FL, 2014, new Construction of 37,000 SF of homeless shelter complete with full service kitchen, male and female dorm rooms totaling 40 beds, office space, tuberculosis containment, "Hot Room" for bed bug control. Campus utilized packaged rooftop units with gas packs, split systems with hydronic heating coils, heating hot water provided by a condensing boiler.

Municipality

Leon County Library, Lake Jackson Branch - Tallahassee, FL, 2010, renovation of a retail center for 12,000 SF public library. HVAC systems included a chiller and zoned fan coil units with electric re-heat. Services included MEP design and construction administration. Project Cost \$2 Million.

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County TDC Maintenance Bldg. - Grayton Beach, FL, 2007-2008, HVAC and Plumbing design For construction of a new 7500 SF building including 4 vehicle bays and a wash bay. Construction Cost: \$1 Million

West Bay Volunteer Fire Station - West Bay, FL, 2009, provided HVAC design and LEED Services for a volunteer fire department building including a heated 3-bay facility for the fire trucks. Project Cost: \$3 Million

DOT Traffic Operations Building - Tallahassee, FL, 2008 - 2009, renovation of a 3,000 SF building For offices and shop for traffic equipment testing. Project Cost: \$500,000

Kirkman Elevator 9&10 Replacement - Tallahassee, FL, 2013, replacement of two service elevators including elevator controls, HVAC equipment serving the control room, fire protection. Complete elevator specifications provided.

Kirkman Elevator 7&8 Replacement - Tallahassee, FL, 2013, replacement of two service elevators including elevator controls, HVAC equipment serving the control room, fire protection. Complete elevator specifications provided.

City of Tallahassee, Air Traffic Control Tower HVAC - Tallahassee, FL, 2014, Design Build Project that was won through a bid process. Renovation of the existing HVAC system from large Split Systems into hydronic chilled water. Facility needed to stay operational 24/7 and work had to be done overnight. Included redundant chillers and fan coils up in the critical tower space. New VAV zoning was provided.

Franklin County Courthouse Annex – Franklin County, FL

Minor Services

Twin Towers DEP Lab Complex Boiler Replacement - Tallahassee, FL, 2013, Design and CA for DMS project for the replacement and controls upgrades to the buildings boiler plan, new units were two 2,500 MBH condensing boilers. Project Cost: \$120,000

Twin Towers DEP Lab Complex 100% OA AHU-1 Renovations - Tallahassee FL, 2014, complete renovation to an existing 50,000 CFM 100% OA Hydronic Air Handling unit including new coils, fan, controls, pipe connections, casing refurbishing etc. The unit was critical to the operation of the existing labs and had to stay functional the entire time during construction. Project cost: \$500,000.

Twin Towers DEP Lab Complex Re-Roofing - Tallahassee, FL, 2013, replace the facilities roof and demolish unused mechanical penthouse and equipment including chillers, pumps, piping, and cooling towers. Provide new HVAC Split System.

FDLE Fusion Center Renovation - Tallahassee, FL, 2013, interior renovations of 7,500 SF of office space and conference room. Included modifications to HVAC, lighting and electrical systems.

Northwest Florida Water Management District Server Room Renovation - Havana, FL, 2012, the project renovated interior office space to create the department's data center. Upgrades included specialized HVAC system for equipment cooling, plumbing, electrical systems upgrades including standby generator, gas storage and piping for generator, and modifications to interior building components.

FAMU Facility Clubhouse - Tallahassee, FL, 2013, renovation of the faculty clubhouse. This project is included to show our firms ability to respond quickly. Mechanical systems engineering was not included in this project. However, upon investigations late in the design process, it was discovered that the mechanical systems were in very poor condition. Upon engaging Modern PE, site investigation and construction documents were developed in less than one week.

Holland Building ADA - Tallahassee FL, 2014, renovations and ADA upgrades to each floor of the Holland building public restrooms, predominantly a plumbing project, focused on accessibility and converting the floor mounted fixtures to wall mounted, Minimal HVAC.

Douglas Building ADA - Tallahassee, FL, 2014, renovations and ADA upgrades to each floor of the Douglas building public restrooms, predominantly a plumbing project, focused on accessibility, minimal HVAC.

Collins Building Ground Floor South End AHU Replacement - Tallahassee, FL, 2015, replacement of 4 hydronic cooling, steam heating air handing units serving approximately 17,000 SF of office space. Install two new hydronic cooling units with fan wall and VAV capabilities. VAV units installed within the space to provide better zone control. Steam to heating hot water heat exchanger installed to utilize campus steam for heating, sized for future needs. Project Cost: \$800,000.

Other Notable Projects

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FDLE 3rd Floor
FDLE 1st Floor

Restaurant/Bar

Morelia Mexican Restaurant - Tallahassee, FL, 2010, renovation of a retail space to create a new Mexican restaurant complete with dining and full kitchen.

Marcos Pizza - Jacksonville, FL, 2013, renovation of shell retail space into a pizza shop.

Madison Social - College town, Tallahassee, FL 2013, new construction of a restaurant, exposed ductwork, fancy grilles, owner was very adamant about the look and worked closely with the engineering team.

Recess - Tallahassee, FL, 2012, top (3rd) floor high-end bar with outdoor pool, cabanas for VIP, raised DJ booth. Three different bar locations, large garage doors that open up to pool deck. HVAC consisted of Hydronic fan coil units, space heaters and distribution. Plumbing scope was necessary to hook up bars, restrooms, pool and other necessities.

Barberitos - Tallahassee, FL, 2013, Renovation of shell retail space into a burrito shop.

Mikey's Grille - Tallahassee, FL, 2013, Renovation of shell retail space into a burger shop.

Proof Brewing - Tallahassee, FL, 2014, renovation of old warehouse space into a brewery and bar. MPE was responsible for engineering the brewery equipment connections, glycol system, steam system, boiler requirements, chiller requirements, bar/tasting room environmental control, brewery trench and other drainage as well as the 180F/140F/120F and filtered DCW distribution.

Grasslands Brewing - Tallahassee, FL, 2014, renovation of old warehouse space into a brewery and bar. MPE was responsible for engineering the brewery equipment connections, glycol system, steam system, boiler requirements, chiller requirements, bar/tasting room environmental control, brewery trench and other drainage as well as the 180F/140F/120F and filtered DCW distribution.

Flying Bear - Tallahassee, FL, 2013, renovation of a retail space to create a new American cuisine restaurant complete with dining and full kitchen.

Vertigo Burger - Tallahassee, FL, 2013, renovation of a retail space to create a new burger restaurant complete with dining and full kitchen.

Other Notable Projects

The Sweet Shop at Persimmon Hill

Religious Assembly

Deerlake United Methodist Church Youth Center - Tallahassee, FL, 2010-2014, new construction of the youth facility. Included new split systems, restroom build outs, close coordination with church staff.

Other Notable Projects

Canopy Road Baptist Church
Chapel Hill
Good Samaritan
St. Peters Anglican
Seminole Baptist Fellowship Hall
Downtown Community Church
Seventh Day Adventist Church
City Church Renovation
Jehovah's Witness Tallahassee Renovation

Data Center Projects

Northwest Florida Water Management District Server Room Renovation - Havana, FL, 2012, the project renovated interior office space to create the department's data center. Upgrades included specialized HVAC system for equipment cooling, plumbing, electrical systems upgrades including standby generator, gas storage and piping for generator, and modifications to interior building components.

Hayes Computer Systems - Tallahassee, FL, 2013-2014 - office space and separate building to house large server farms. Office space was 26,000 SF and included multiple split systems, restrooms with plumbing, high-end kitchen with commercial hood. The server farm is served by modular chillers, 30 tons each, with initial install of a single 30-ton unit and room to expand. In row hydronic server air handling units are utilized indoors.

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Aderant Server Room Renovation – Summit East, Tallahassee, FL, 2011, renovation of interior office space to create a data center complete with redundant CRAC units.

Kenny Nachwalter Server Room - Tallahassee, FL, 2011, renovation of interior office space to create a data center complete with redundant CRAC units.

Student Housing

West 10 Renovations - Tallahassee, FL, 2014, renovations to the reception and clubhouse for West 10 Apartments. New basketball gym, workout space, reused most of the existing equipment, rezoned for proper control.

Kappa Kappa Gamma Sorority – FSU, Tallahassee, FL, 2011, complete HVAC renovation complete with chiller and boiler plant, pumps, fan coil units, and ductwork.

Alpha Phi Sorority – FSU, Tallahassee, FL, 2011, new construction of a sorority house

Gamma Phi Beta Sorority – FSU, Tallahassee, FL, 2015, complete HVAC renovation of HVAC split systems and ductwork.

Other Notable Projects

Villa Lucia Townhomes - Tallahassee

Villa Cortez Apartment Complex

Residential/Other

Four Oaks Plantation - Boston, GA, 2014, responsible for HVAC and plumbing systems design for a new plantation project consisting of 13,000 acres with 12 buildings, commercial kitchen, horse stable, dog kennel, residences. Included Campus Boiler plant, premium efficiency water source heat pumps with rejection wells. process water for in floor heating. \$29-Million

Southwood Self Storage Pz II - Tallahassee, FL, 2012, new climate controlled storage facility.

Tallahassee Indoor Gun Range- Tallahassee, FL, 2012, renovation to existing warehouse into indoor shooting range, Utilized reused owner purchased HVAC equipment and developed bid documents to install air turnover distribution for shooting range, had to ensure the velocity of the air was enough to capture led particles out of the air.

Other Notable Projects

Park Avenue 306&308

Quinton Pool House

Clean Room

Triad Isotopes - Tallahassee, FL