Terry W. McCanless

Mechanical Engineering Designer

Terry joined Strickland Engineering in January 2003 after relocating from Orlando, Florida. Terry is an experienced Mechanical Engineering Designer of HVAC, Plumbing and Fire Protection Systems. He has 29 years of experience in commercial and multi-family residential HVAC, Plumbing and Fire Protection design. Terry has 9 years of design experience in Nebraska and Iowa and 20 years of design experience in Florida. Twenty-two years of his experience has been in a project management position and the last 11 years as the Mechanical Engineering Department Head Manager.

Education

Associate of Applied Arts Degree in Architecture
Southeast Nebraska Community College–Milford Campus, Milford, Nebraska. 1973.

Mechanical Engineering Coursework
University of Nebraska at Omaha, Omaha, Nebraska.

Professional Registration

State of Florida Uniform Building Code Inspector

Representative Projects

Drury Southwest, Inc., Drury Alamo Plaza, San Antonio, Texas
Designer of the HVAC and plumbing systems for a renovated 25-story hotel building. The building was originally a 25-story bank and office building that was converted to a hotel. HVAC design included all guest suites, common areas, historic lobby, basement and penthouse mechanical rooms, retail and restaurant areas. System design included new chillers and cooling towers, new chilled water system, new ventilation system. Plumbing design included waste, vent and domestic water multi-story riser systems, a domestic water pumping system with tanks located on the 25th floor, a central domestic hot water system, and a hotel laundry.

New Tornado Safe Room, Bay School District, Bay, Arkansas
Designer for the plumbing systems and assisted with the design of the HVAC systems for a classroom/emergency tornado shelter. This is a free-standing building designed for both standard classroom use and as a free-standing emergency tornado shelter with back-up power, plumbing and air conditioning.

Americare Properties, Inc, Tiger Place Senior Living Community, Columbia, Missouri
Project Designer of the Plumbing systems for Americare's Aging-in-Place facility in cooperation with the University of Missouri-Columbia. The facility includes 33 individual units, complete commercial kitchen, and physical therapy unit.

Cross Trails Medical Center, Cape Girardeau, Missouri
Designer for the HVAC, plumbing and fire protections systems for a new medical services facility. The design included a multiple unit heating and cooling system, plumbing design including dental equipment, vacuum and compressed air systems. Due to the buildings location within a floodplain area, an under floor and perimeter drainage system was designed for the basement of the building.

Arcadia Valley R-II School District, Junior and Senior High School HVAC Renovations, Ironton, Missouri
Designer for the renovation/modification of the existing HVAC system. A modification of the existing HVAC system was required due to difficulty in providing adequate and consistent space conditioning throughout the school. Design included modification and repair of the existing rooftop units, replacement of the existing variable air volume boxes with related duct modifications and a new temperature control system. The construction documents were set up to allow for a phased construction sequence with the worst existing areas to be completed first, then the other areas completed as budget allowed.

MidAmerica Hotels Corp., Holiday Inn Express & Suites, Cape Girardeau, Missouri
Designer for HVAC, plumbing and fire protection systems for a new, 4-story hotel building. HVAC design included all guest suites and common areas and an enclosed swimming pool area. The swimming pool area was conditioned utilizing a dehumidification system with heat recovery and pool water recovery. Plumbing design included waste, vent and domestic water multi-story riser systems, a central domestic hot water system, and a hotel laundry. The fire protection system included a combination standpipe/sprinkler system.