



*HVAC, Plumbing, and Piping Systems Design
HVAC Systems Commissioning*

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TEA Project Experience

Educational/Institutional/Government

- **Norwich University** - Mechanical and plumbing design build plans for the Regional Readiness and Technology Center transient housing addition and alteration at Norwich University in Northfield, VT - Absolute Mechanical, Tony Edwards
- **Town of Rowe, MA** - Provide energy upgrades to HVAC systems within schools in Rowe, MA - Siemens Building Technologies, Inc., Mark Buzzell
- **University of Vermont** - Piping coordination drawings for mechanical contractor in Burlington, VT - A. Cooper Mechanical, Inc. - Allen Dacres
- **University of Vermont** - Coordination drawings for mechanical contractor - A. Cooper - Max Rooney
- **Walden Behavioral Care Center** - Provide design/build Department of Public Health Submission plans for the Walden Behavioral Care Center in Northampton, MA - B-G Mechanical
- **University of Vermont** - Colchester Research Facility, coordination drawings for ductwork and piping - Sheet Metal Design and A. Cooper Mechanical, Inc.
- **Springfield, MA Central High School** - Provide design/build documents and support for installation of a Micro Turbine Co-generator at Springfield Central High School in Springfield, MA - B-G Mechanical Service
- **Jefferson School** - Provide performance specifications for boiler replacement project at the Early Childhood Center and the 1947 Jefferson School in Jefferson, MA - Wachusett Regional School District
- **Hampden County Jail** - Provide HVAC engineering services related to DCAM Hampden County Sheriff's Jail & HOC, Ludlow, MA - Constellation Energy
- **Springfield, MA City Hall** - Provide installation sketches for new boilers at Springfield, MA City Hall - B-G Mechanical Service
- **Springfield, MA Police Department** - Provide engineering services for design/build energy improvements at Springfield, Massachusetts Police Headquarters - B-G Mechanical Contractors
- **Springfield, VT Middle School** - Provide engineering services for boiler change out work at the Riverside Middle School - Springfield Vermont Schools
- **Williston Central School** - Plumbing design for toilet rooms renovation at the Central School in Williston, VT - Gardner Kilcoyne Architects - Liza Kilcoyne, Partner in charge.
- **Woodside Juvenile Rehabilitation Center** - Provide engineering services for HVAC, plumbing and fire protection for renovations at the Woodside Juvenile Rehabilitation Center in Essex, VT - Gardner Kilcoyne Architects - Bill Gardner
- **Southern State Correctional Facility** - Provide drawings and specifications for new handicap elevator for the Southern State Correctional Facility in Springfield, VT - Gardner Kilcoyne Architects - Bill Gardner, Architect

TEA Project Experience and References

- **Springfield, MA School District** - Provide permit drawings for seven Springfield schools boiler replacement project - B-G Mechanical Service
- **Middlebury College** - Mechanical design services for the renovation of the Emma Willard Admissions Building at Middlebury College, Middlebury, VT - Truex-Cullins and Partners Architects - David Epstein, partner
- **Lyndon Institute** - Heating, ventilating, & plumbing design for a dormitory construction at Lyndon Institute, Lyndonville, VT - Fred's Plumbing & Heating, Lyndonville, VT - Tom Graves, Mechanical Contractor
- **Williams College** - Mechanical design for Renewal of the Faculty House/Alumni Center at Williams College, Williamstown, MA - Truex-Cullins and Partners Architects - Richard Deane, partner.
- **Briarwood Manor** - Mechanical & Electrical design for the renovation of an existing nursing home into a mental health facility, Vergennes, VT - Scott & Partners, Architects - Tyler Scott, Architect
- **Montgomery Elementary School** - Provide commissioning services for the mechanical systems at the completion of construction for the addition and renovations to the Montgomery Elementary School, Montgomery, VT - Black River Design-Architects
- **South Burlington, VT Fire Station** - Mechanical design for new construction and renovations - Absolute Mechanical - Tony Edwards, Mechanical Contractor
- **Vermont Statehouse** - Mechanical design for replacement make-up air unit at the Vermont Statehouse, Montpelier, VT - BGS, Mike McArdle, Engineer in charge.
- **University of Vermont** - Mechanical design for Harris/Millis dining hall expansion and renovations - Truex Cullins and Partners Architects - Anne Connell, Project Architect
- **Stonington, Connecticut Post Office** - Provide design for new heating system - B-G Mechanical Service
- **Simsbury Central School- Phase 2 Heating Renovations** - Mechanical design for heating renovations to the oldest portion of the school in Simsbury, CT - B-G Mechanical Contractors, Bill Celatka
- **University of Vermont** - University Heights project. CAD coordination/as built drawings for mechanical contractor at the student residential learning building - Vermont Mechanical
- **Camp Wapanaki** - Plumbing design for new toilet and shower facilities for a Girl Scout camp in Hardwick, VT - John Q. Doane, Architect

Industrial

- **Highland Sugarworks** - Proposed architectural floor plans including process systems for maple syrup packaging plant in Barre, VT - Jim MacIsaac
- **Essex Rescue** - HVAC design for new emergency services building in Essex, VT - Sheet Metal Design - Jim Carew
- **Holyoke Gas & Electric** - Provide drawings for renovations to replace existing district heating system in Holyoke, MA - BG Mechanical Services, Dave Riel
- **DST KVI Printers** - Provide design/build and installation drawings - B-G Mechanical Contractors - Dave Riel, Vice President
- **Casella Waste Management** - Provide design/build and installation drawings for HVAC and plumbing at Casella Waste Management in White River Junction, VT - Sheet Metal Design
- **Omni Measurement Instruments** - Provide design/build engineering support for HVAC renovations in Milton, VT - Omni SMD

TEA Project Experience and References

- **Liquid Measurements** - Prepare design/build construction and as built drawings for sheet metal work related to the Liquid Measurements project in the Morse Industrial Park, Georgia, VT - Avonda Air Systems
- **Cape Cod Potato Chips** - Indoor air quality studies and modifications design for renovations to the Cape Cod Potato Chips plant in Hyannis, MA - Lance, Inc. - Rick Theriault, Director of Safety
- **Leader Evaporator** - Design/build HVAC plans for contractor to install exhaust ventilation systems for welding booths at the Leader Evaporator Company in Swanton, VT - Sheet Metal Design
- **Husky Injection Molding** - Investigate and analyze potential CO spillage problems in boiler room at the Husky Injection Molding plant in Milton, VT - Husky Injection Molding
- **DST Output** - Mechanical design for a 44,000 SF addition to the DST Output Facility in South Windsor, CT - B-G Mechanical Contractors - Dave Riel, Vice President
- **PBM Nutritionals** - Piping design for Corrosion Piping Project at the PBM facility in Georgia, VT - Engelberth Construction, Inc. - Brock Rouse, Project Manager
- **PBM Nutritionals** - Provide design documents for cooling of mix tanks to maintain product temperature control at the PBM facility in Georgia, VT - Engelberth Construction - Keith Morgan, Project Manager
- **Shaker Exhaust System** - Design of new exhaust system for Cape Cod Potato Chips, Hyannis, MA - Jeff Mobed, Plant Manager

Housing/Residential/Hotels/Motels:

- **HowardCENTER** - Mechanical and plumbing design for renovation and addition to portion of transient services building in Burlington, VT - Scott & Partners, Tyler Scott
- **Kitchel-McLaughlin Residence** - High efficient HVAC design for new/renovated home - Murphy Cell Tech - John Unger Murphy
- **The Hill House** - HVAC, plumbing and fire protection design for renovation - Scott & Partners - Joel Page
- **HowardCENTER** - Replacement boiler for residential building on North Avenue in Burlington, VT - Ed Vizvarie, HowardCENTER
- **Weill Residence-Lot 6, Lincoln Ridge** - HVAC systems design for residence in Warren, VT - William Maclay Architects & Planners - Chris Cook
- **HowardCENTER** - 3 Residences - Add air conditioning to three residential buildings in Burlington, VT - Ed Vizvarie, HowardCENTER
- **Four Winds** - Provide design services for mechanical at Four Winds elderly retirement community in St. Albans, VT - Scott & Partners Architects - Joel Page
- **Hawthorn Suites Hotel** - Prepare plans for renovations to the fitness room at the Hawthorn Suites Hotel in South Burlington, VT - Dorset Hotel Associates, LLC
- **Essex Senior Housing** - Mechanical design for the construction of a new three story senior housing building being built for Cathedral Square Corporation in Essex, VT - Scott & Partners Architects
- **Westlake Residences** - Provide design/build fit-up drawings for four Westlake Condominium units in Burlington, VT - Avonda Air Systems
- **Sand Bar Inn** - Mechanical design for new restaurant and motel, and renovation of existing motel units in South Hero, VT - Scott & Partners Architects.
- **Crowne Plaza** - Installation guidance for the installation of a new boiler to provide additional domestic hot water for a 350 room hotel in Hartford, CT - B-G Mechanical Service
- **Callahan Apartment Project** - Mechanical & Electrical design for the renovation of three existing historic buildings into housing for Housing Vermont in Burlington - Scott & Partners Architects - Joel Page

TEA Project Experience and References

- ***Kurrle Residence*** - Investigation of mold problems and preparation of report for residence in VT
- ***Burlington Co-Housing*** - Mechanical design for a new 30 unit residential complex including three townhouse buildings and one common building - William Maclay Architects & Planners - Chris Cook
- ***Evergreen Place*** - HVAC, Plumbing, FP and Electrical for renovations and additions to an elderly housing project owned by Central Vermont Community Land Trust in Waitsfield, VT - William Maclay Architects & Planners - Sara White
- ***Demming House*** - HVAC, Plumbing, FP, and Electrical renovations for a six unit apartment house in Middlebury, VT - Scott & Partners Architects - Tyler Scott, Architect
- ***Champlain Valley Co-housing*** - HVAC, Plumbing, & Fire Protection design for new housing project to be located in Charlotte, VT - William Maclay Architects & Planners
- ***Bear Creek Mountain Club*** - Mechanical design documents for new condominiums to be located in Plymouth, VT - Vermont Mechanical - Tom Whitney, PE
- ***Hoblitzelle Residence*** - Heating system replacement design in Waitsfield, VT - The Architectural Association - Jeff Dunham, Architect
- ***Weinstein Residence*** - HVAC and Plumbing systems with radiant heating for a new residence in Warren, VT - The Burley Partnership - Regina Leccese, Architect

Office/Medical

- ***Fletcher Allen Medical Campus*** - Plumbing and piping coordination drawings for the Given building at the Fletcher Allen Medical campus in Burlington, VT - A. Cooper Mechanical, Allen Dacres
- ***Infill Winooski*** - Mechanical design to retrofit old warehouse into commercial offices in Winooski, VT - Redstone, Larry Williams
- ***Homeland Security*** - Mechanical and plumbing systems design for Homeland Security tenant fit up - J. Graham Goldsmith Architects - Al Nevins
- ***U.S. Department of Census*** - Provide LEED HVAC renovations for new GSA office space - Avonda Air Systems - Bob Avonda
- ***Green Mountain Electric*** - High efficient HVAC design for office building - Murphy Cell Tech - John Unger Murphy
- ***CVAA at Post Office Square*** - HVAC design for office fit-up - Avonda Air Systems - Bob Avonda
- ***Post Office Square*** - Provide mechanical performance plans for HVAC and plumbing for the Post Office Square project in Essex, VT - Gardner Kilcoyne Architects - Liza Kilcoyne
- ***Vermont Center for Cancer Medicine*** - Provide HVAC and plumbing design for new medical office building - Scott & Partners - Tyler Scott
- ***William Maclay Architects & Planners*** - Provide LEED design of HVAC and Plumbing for addition of office space in Waitsfield, VT - William Maclay Architects & Planners - Lisa Sawin
- ***Systems & Software*** - Provide LEED HVAC design for renovation of an office building - Avonda Air Systems - Bob Avonda
- ***Central Vermont Eyecare*** - Provide LEED mechanical and electrical design for new construction of an office/medical building - NBF Architects - Ed Clark
- ***Vermont Association for the Blind*** - Provide design/build drawings for HVAC and plumbing for medical office building in Burlington, VT - Avonda Air Systems - Bob Avonda
- ***CSAC 89 Main Street*** - Provide design/build drawings for HVAC and plumbing for office building in Middlebury, VT - Scott & Partners - Tyler Scott
- ***Lot 2 Tech Park*** - Provide LEED assistance and commissioning services for 50,000 SF office building in South Burlington, VT - New England Air Systems - Rob Favali
- ***CSAC - Catamount Park*** - Provide design/build engineering services for HVAC and plumbing for office building in Middlebury, VT - Bienvenue & Ackel
- ***Hind's Loft*** - Provide design/build engineering services for HVAC for Hind's Loft project in Burlington, VT - Bienvenue & Ackel

TEA Project Experience and References

- **Logic Supply, Inc.** - Provide design/build mechanical plans - Avonda Air Systems
- **Chittenden Bank** - Provide design/build HVAC services for 2nd floor renovation at Chittenden Bank Operations Center in Brattleboro, VT, - Vermont Mechanical
- **Central Vermont Hospital - Medical Office Building** - HVAC and Plumbing design for a new 11,000 SF medical office building in Berlin, VT - Absolute Mechanical, contractor.
- **Vermont Federal Credit Union** - HVAC & Plumbing design for new bank branch located in St. Albans, VT - Avonda Air Systems
- **Center 16** - Provide design/build sheet metal construction drawings for Center 16 office building project in Colchester, VT - Avonda Air Systems
- **Local 478** - Provide design/build engineering support for heating and air conditioning renovations for the addition at the Local 478 office building in Hamden, CT - BG Mechanical
- **Essex Pediatrics** - Design/build layout for zoning units and ductwork drawing for coordination - Avonda Air Systems
- **Fletcher Allen Healthcare** - Provide mechanical design for the installation of new emergency generators at Fletcher Allen Healthcare, Burlington, VT - Kirick Engineering Associates - Michael Kirick, Electrical Engineer
- **Vermont Federal Credit Union** - HVAC & Plumbing design for a new three story office building in South Burlington, VT - Absolute Mechanical
- **Emergency Veterinarian Clinic** - HVAC design/build plans for a new emergency veterinarian facility in Williston, VT - Sheet Metal Design - Jim Carew
- **Mad River Valley Health Center** - HVAC, Plumbing, and Electrical designs for a new health center and tenant fit-up in Waitsfield, VT - The Architectural Association - Jeff Dunham, Architect
- **Marsh, Inc.** - HVAC and Fire Protection design for multi-office relocation and renovation, Burlington, VT - Truex Cullins and Partners Architects - Richard Deane

Retail/Restaurant

- **City Market** - HVAC renovations for new store front and additional renovations - Bast & Rood Architects - Rob Bast
- **Red Hen Bakery** - Provide design services for HVAC at Red Hen Bakery & Café in Middlesex, VT - Northland Construction
- **Pet Supply Warehouse** - Provide mechanical construction plans for Lebanon, New Hampshire Pet Supply Warehouse - Dubois & King
- **Ace Hardware** - Provide performance plans and specs for HVAC and plumbing design/build bidding for the Ace Hardware store in Essex, VT - Scott & Partners Architects
- **Junior's Restaurant** - Mechanical design for a new restaurant located in Colchester, VT - Avonda Air Systems
- **Capital Grounds** - Mechanical design for retail renovation of a new coffee shop in Montpelier, VT - Winston Design/Build - Jon Winston, Contractor
- **Snowboard Shop** - Mechanical design for new retail snowboard shop located at Killington, VT - Haynes & Garthwaite Architects - Byron Haynes
- **Handy Chevrolet** - Mechanical design for new dealership located in St. Albans, VT - Avonda Air Systems
- **Retail Expansion** - Provide performance specifications and plans for retail expansion project in Brattleboro, VT - Truex Cullins and Partners
- **Green Mountain Harley Davidson** - HVAC, Plumbing, and Electrical performance plans and specifications for motorcycle dealership expansion in Essex Junction, VT - Homestead Design Inc.
- **Leunig's Restaurant** - Replacement boiler installation guidance for restaurant located in Burlington, VT - Avonda Air Systems - Bob Avonda, Contractor

TEA Project Experience and References

Mixed Use

- ***Kingsbury Farm*** - Renovation of single family farm and farmhouse for Vermont Food Bank agricultural use in Warren, VT - Truex-Cullins, David Epstein
- ***Main St. Mill Renovations*** - Mechanical and Electrical design for the renovation of an existing 4 story mill building to provide a medical center, retail space and housing in Richford, VT - Scott & Partners Architects - Tyler Scott, Architect

Recreational

- ***Bolton Valley Resort*** - Design replacement of old boiler systems with new high efficient boilers at Bolton Valley Resort in Bolton, VT - Bolton Valley Resort, John Brown
- ***Burlington Waterfront*** - Mechanical and plumbing design for information booth and public restrooms on the Burlington waterfront in Burlington, VT - Resource Systems Group, David Saladino
- ***Sugarbush Resort*** - Provide HVAC and plumbing design for expansion of ski area base lodge in Warren, VT - Architectural Association - Jeff Dunham
- ***Center for Crisis Pool*** - Provide HVAC design/build construction plans for pool unit to dehumidify indoor pool space at the Center for Crisis Center in Holyoke, MA - B-G Mechanical Services
- ***Sugarbush Health & Racquet Club*** - Mechanical design for replacement of air conditioning and performance plans and specifications for heater replacements at the Sugarbush Health & Racquet Club facility in Warren, VT
- ***Sugarbush Resort*** - Provide plans and performance specifications for fire protection and fire alarm systems at Mt. Ellen Ski Area - Sugarbush Resort, Jason Lasai
- ***Apple Island Resort*** - Provide design/build HVAC design and installation plans for Apple Island Resort in South Hero, VT - Avonda Air Systems
- ***Winooski Community Center*** - Provide design/build HVAC and plumbing installation drawings for community center in Winooski, VT - Avonda Air Systems
- ***Jay Peak Ski Resort*** - Provide engineering services to include HVAC, plumbing and fire protection for five story hotel at Jay Peak Ski Resort in Jay, VT - Jake Webster
- ***WWII American Veterans Club*** - Provide HVAC performance plans and specs for the WWII American Veterans Club in North Hampton, MA - Miller Development
- ***Sports Center*** - Mechanical design services for the development of a new Sports Facility being planned in Hartford, Vermont - Haynes and Garthwaite Architects - Byron Haynes, Architect
- ***Georgia Mountain Health Facility*** - Mechanical design for new health club and pool facility proposed for Georgia, VT - Royal Design & Construction

TEA References

- Absolute Mechanical, Colchester, VT - Tony Edwards, 802-872-0555
- Avonda Air Systems, S. Burlington, VT - Bob Avonda, 802-865-9900
- B-G Mechanical Contractors/Services, Chicopee, MA - Dave Riel, 413-592-5300, Bill Celatka, 413-888-1500
- BGS, State of VT, Montpelier, VT- Mike McArdle, 802-828-5650
- Bienvenue & Ackel, Addison, VT- Mark Bienvenue, 802-759-2220
- Black River Design, Montpelier, VT- John Hemmelgarn, 802-223-2044
- Cape Cod Potato Chips, Hyannis, MA - Keith Collins, 704-556-5624
- John Q. Doane, Architect, Essex Junction, VT- 802-879-3091
- Engelberth Construction, Inc., Colchester, VT - Brock Rouse, 802-846-2397
- Fred's Plumbing & Heating, Lyndonville, VT - Tom Graves, 802-499-9992
- Gardner Kilcoyne Architects, Winooski, VT - Liza Kilcoyne, 802-655-0145
- Haynes & Garthwaite Architects, Norwich, VT - Byron Haynes, 802-649-3606
- Kirick Engineering Associates, Williston, VT - Michael Kirick, 802-655-5731
- Lance, Inc., Charlotte, NC - Rick Theriault, 704-554-5526
- William Maclay Architects & Planners, Waitsfield, VT - Chris Cook, 802-496-4004
- New England Air Systems, Williston, VT - Rob Favali, 802-864-3800
- Scott & Partners Architects, Essex Junction, VT - Tyler Scott, 802-879-5153
- Sheet Metal Design, Essex Junction, VT - Jim Carew, 802-288-9700
- The Architectural Association, Waitsfield, VT - Jeff Dunham, 802-496-2195
- The Burley Partnership, Waitsfield, VT - Regina Leccese, 802-496-3900
- Truex-Cullins & Partners Architects, Burlington, VT - Richard Deane, 802-658-2777
- Vermont Mechanical, S. Burlington, VT - Tom Whitney, 802-862-5900