fraserengineering

Commercial & Industrial Mechanical Contractor - HVAC / Plumbing / Process / Service

Great People doing Great Work

Capability Statement - **Mechanical**

Fraser Engineering's Mechanical Division delivers integrated HVAC, plumbing, and process piping solutions for commercial, institutional, industrial, and utility facilities across New England. As a single-source mechanical contractor, Fraser provides prefabrication, installation, commissioning, and 24/7 emergency service support for complex building systems and infrastructure projects. Since 1950, Fraser has partnered with facility owners, engineers, and construction managers to execute mechanical upgrades, central plant improvements, utility infrastructure installations, and occupied-facility renovations with minimal disruption to operations.

Core Competencies

- Steam, hot water, and chilled water plants
- Boiler replacements and combustion system upgrades
- Chillers, Cooling Towers, AHUs, MAUs, RTUs, and VRF systems
- Steam to hot water conversions
- Domestic water, sanitary, and storm systems
- Medical gas, compressed air, and vacuum piping

Construction Delivery Strengths

- Design-build mechanical construction
- Central plant modernization
- Occupied facility retrofit expertise
- Shutdown planning and phased installation
- Turnkey mechanical system delivery
- Modular piping assemblies and skids
- Equipment startup and commissioning
- Burner and combustion system support

Certifications & Qualifications

- ASME U, PP & NB 'R' Stamps
- API 1104 & ASME Section IX Certified Welders
- WBE Certified Contractor
- DCAMM Certified
- DOT PHMSA Utility Qualified Personnel
- Licensed Pipefitters, Plumbers, Refrigeration & HVAC Technicians

75+
Years Of Experience

1000+
Satisfied Clients

Past Performance

SANOFI – FRAMINGHAM, MA: At the Sanofi Framingham campus, Fraser Engineering fabricated and installed a new elevated steam distribution line from the Central Utility Building (CUB) to Vault 2, routed along the perimeter of an occupied facility, including all associated structural supports and insulation.

- Installed elevated steam distribution piping along an active building perimeter with engineered supports and routing designed to meet architectural and facility visibility requirements.
- Work performed adjacent to an occupied and fully operational facility with enhanced safety coordination to protect occupants and maintain uninterrupted operations.
- Installed elevated steam piping using specialized rigging and field welding to safely hoist and assemble distribution lines in place.
- Executed phased and accelerated construction sequencing to meet the client's required project timeframe.
- Provided five temporary boilers to maintain continuous steam service throughout the duration of construction.

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One Contractor. Every Mechanical Soluton.

Past Performance

CITY OF LOWELL – LOWELL, MA: Fraser Engineering completed concurrent boiler room upgrade projects at McAvinnue Elementary School, Butler Middle School, and Robinson Middle School for the City of Lowell through the Massachusetts School Building Authority (MSBA). All three projects were executed while maintaining school operations during the summer construction window and through the start of the academic year.

- As General Contractor, Fraser coordinated and managed multiple trades including demolition/hazardous materials removal, electrical, controls, rigging, testing & balancing, sheet metal, water treatment, masonry, roofing, and painting.
- Furnished and installed all major equipment across three separate boiler rooms, including boilers, pumps, expansion tanks, air separators, glycol feeders, and chemical feed systems.
- Prefabricated and installed welded system piping (2”–8”) to support new equipment and tie into existing school distribution systems.
- Executed an accelerated construction schedule to ensure heating systems in all three schools were operational prior to required occupancy deadlines.
- Performed work within fully occupied school facilities while maintaining uninterrupted domestic hot water service throughout construction to support ongoing operations.

CREST COLLABORATIVE – ANDOVER, MA: Fraser Engineering executed two concurrent rooftop unit (RTU) replacements for CREST Collaborative during the active academic year while maintaining continuous school operations.

- As General Contractor, Fraser coordinated and managed multiple trades including rigging, electrical, sheet metal, controls
- Furnished and installed RTUs, including installation of new gas piping to support the equipment.
- Executed an accelerated construction schedule to minimize service interruptions to areas served by the units.

BOS3 PHASE 2 – NORTH ANDOVER, MA: Fraser Engineering, working under Whiting-Turner, installed all refrigeration piping circuits serving 13 VRF systems, 32 ductless split systems, and 22 mini-split systems as part of the BOS3 Phase 2 installation at a five-story, approximately 3.8 million sq ft Amazon e-commerce storage, warehouse, and distribution facility.

- Installed ACR piping systems and pre-insulated refrigerant line sets in accordance with coordinated project layouts.
- Performed brazing, pressure testing, system evacuation, refrigerant charging, and startup support through commissioning.
- Self-performed all required coring and fire-watch activities associated with Fraser’s scope of work.
- Installed systems in accordance with BIM/CADD-coordinated drawings to ensure alignment with multi-trade routing constraints.
- Executed phased and accelerated construction sequencing to meet the client’s required project schedule.

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