

# **Bridgewater Middle School – Mechanical Replacement Scope of Work**

## **Phase I (Base Contract) – June 2004 thru December 2004**

- Removal of all Asbestos Pipe Insulation in the Boiler Room
- Removal and Replacement of the (3) Existing Boilers

## **Phase II (Base Contract) – June 2007 thru May 2008**

- Conversion of Existing New Boilers from Steam Source to Hot Water
- Removal of All Existing Asbestos and Non-Asbestos Ceiling Systems Throughout the Facility
- Removal of All Existing Lighting Systems and Controls in the Hung Ceiling Areas
- Removal of Existing Steam Piping Systems Throughout Facility
- Removal of the Existing Cabinet Unit Heaters, Shelf Units and Exhaust Ventilators
- Installation of New HW Piping Systems Throughout Facility
- Installation of All New Piping Insulation
- Installation of All New Cabinet Unit Heaters, Shelf Units and Exhaust Ventilators
- Installation of New Digital Control System for Heat and Ventilation Control
- Installation of All New Ceiling and Lighting Systems Throughout the Facility
- Installation of All New Lighting Controls and Time Clocks

## **Phase II (Additional Scope Added to Project) – June 2007 thru May 2008**

- The Addition of a New Fire Detection System
- Conversion of Existing Ventilation Control System from Pneumatic to Digital and Tie into New Digital Control System. Check and Correct All Existing Ventilators.
- Removal of Existing and Installation of New IT, Telephone and CATV Infrastructure
- Added Structural Improvements to Corridor for New Piping Support
- Repair of all Existing Above-the-Ceiling Smoke and Fire Walls
- Upgrade of all Electrical Power Panels Throughout Facility
- Upgrade Existing Gas Service and Pressure to Facility
- Correct Numerous Unforeseen Power and Code Related Issues Above the Existing Ceilings
- Upgrading of Existing Lighting Systems not Included in Original Scope
- Provide New Wall Penetration Sleeves Throughout Facility to Avoid Future Damage to Fire and Smoke Walls
- Replacement of all Existing Emergency Egress Lighting and Implementation of Emergency Egress Time Clock