

Scope of Work
Family/Civil Courthouse HVAC Project
Completed April 2014

1. Variable frequency Drive (VFD), Dampers, and Motors installed at Air Handler Units (AHU) #1 and #2 (includes testing of existing to remain components).
2. Replace chilled water pumps.
3. Replace the existing boiler and stack with high-efficiency condensing boiler and double-wall stack.
4. Replace the existing heating hot water pump associated with the boiler.
5. Reconfigure the heating hot water system from constant flow arrangement with 3-way control valves to variable water flow with 2-way valves.
6. Renovate HVAC distribution throughout the building with the exception of the basement and areas above courtroom ceilings.
7. Install new variable-air-volume (VAV) air terminal devices with hot water reheat coils and new ceiling diffusers to replace the old linear diffusers.
8. Install new electronic thermostat and controllers for new air terminal devices, and tie in with expanded electronic building control system.
9. Replace air handling units 3 through 15 with VAV air handling units, variable-speed supply fans, and electronic controls.
10. Replace the existing terminal reheat coils that fed courtrooms associated with air handling units 5 through 13 with VAV air terminal devices, hot water reheat coils, and electronic controls.
11. Replace exhaust fans 1 through 5 located on the roof.
12. Clean existing supply ducts that will remain in place.
13. Integrate the Crestron BAS(Lighting) and Alerton BAS (HVAC)