



Alabama State Capitol Building

Air Quality Consultation and Commissioning Activities

(Multiple Contracts: Aug 2017 – Ongoing)



About the Facility:

SEA began the commissioning process at the Alabama State Capitol in 2017, when tasked to investigate air quality issues, HVAC life expectancy, and architectural damage to the building. SEA performed full-spectrum tests on 43 Air Handling Units (AHUs), inspection of the smoke and fire dampers, and inspection of the chiller and boiler plant. The direct digital control system was also evaluated. SEA provided a list of issues and prioritized repairs as part of a short-term and long-term capital improvement plan for the Capitol building.

Repair efforts at the Capitol ultimately necessitated the replacement of all 43 AHUs. SEA was subsequently contracted to serve as CxP for the functional testing of the AHUs and controls.

Project Information:

- Project Size: 392,040 SQFT (total)
- Construction Cost: \$20M

Cx Scope of Work

- Investigate air quality issues
- Evaluate smoke and fire dampers
- Commission replaced equipment to include:
 - a. HVAC
 - b. Controls
- Cx Phases include:
 - a. Design
 - b. Construction
 - c. Occupancy
 - d. Operations

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