REQUEST FOR PROPOSAL

FOR AIR AND WATER BALANCE TESTING

Existing Equipment:

- 1. 2 chillers
- 2. 4 Chilled water pumps
- 3. 2 cooling towers
- 4. 2 condensing water pumps
- 5. 15 AHUs including return air damper, outside air damper, exhaust air damper and minimum outside air damper
- 6. 214 VAVs including the hot water heating coil
- 7. All diffusers, registers, and grilles
- 8. 2 heating hot water boilers
- 9. 2 heating hot water pumps

Scope of work:

- Test, adjust and certify the supply air, return air and the outside air for all AHU.
- Test, certify and adjust the return air damper, exhaust air damper, outside air damper and minimum outside air damper.
- Test and report that each fan (supply and return) is operating as per the sequence of operation.
- Test, adjust and certify the maximum and minimum air volume (CFM) at each VAV box.
- Test, adjust and certify the air volume (CFM) at each supply and return diffusers, registers, and grilles as per the design.
- If the air volume (CFM) values are not provided, the air flow will be adjusted with regards to the area size and usage.
- Trace out and verification of the existing ductwork. Where changes have been made, develop schematic CAD diagram showing the approximate location of the air conditioning units, ductwork routing, and air distribution locations.
- Test, adjust and certify the actual chilled water volume GPM flow through all AHUs chilled water valves and cooling coils.
- Test, adjust and certify the actual heating hot water volume GPM flow through all VAV boxes heating coils.
- Test, adjust and certify the actual condensing water volume GPM flow through each cooling towers.
- All work should be provided and supervised by **AABC certified technicians.**
- The contractor must provide a copy of the **Test and Balance Analysis report** inclusive of:
 - a. Project information cover with architectural firm name, mechanical engineer firm name, client name, project number and certification date
 - b. AABC national project performance guaranty.

- c. Project certification page with all project information listed and the TBE name, stamp, and signature along with the project supervisor name and technician name.
- d. Instrumentation list with manufacturer's name, model number, and instrument calibration date.
- e. Report definitions and abbreviations.
- f. Summary of the project to include general information, the actual scope of work and project specific comments including pictures, outstanding issues, observation and any areas where system is unable to meet the design intent.