

## **014500S03 Quality Control: Air Systems Testing, Adjusting and Balancing**

1. The testing and air balancing (tab) contractor is to be a member of and certified by the associated air balance council (AABC) or the National Environmental Balancing Bureau (NEBB). The tab testing equipment and procedures are to follow the guidelines of the appropriate organization.
2. The tab report is to be signed and stamped by a registered professional engineer.
3. The tab contractor is to be independent of other related project contractors.
4. The tab contractor will conduct an inspection of the mechanical installation at 30% and 70% completion. A report on the installation will be given to the prime contractor listing items to be corrected and addressed prior to the tab contractor beginning tab work.
5. The tab field work is to be conducted in both the heating and cooling mode of operation. This may require the tab contractor to return to the site after the seasonal changeover.
6. Specify a range of acceptance for the testing and balancing of the HVAC system.
7. The materials, equipment and representative system tests should be witnessed by the University and the engineer. The names of the witnesses are to be listed on the test results.
8. Include a fan curve for each fan serving a 2000 CFM or larger system, in the tab report.
9. The tab report is to be in a letter size binder with cover and edge title, introduction information, index, a set of drawings, equipment identification, data sheets, etc. A tab report is to accompany each M&O manual required.
10. Testing and balancing shall be performed only after all equipment and controls have been installed and all systems are 100 percent functional.
11. All corrections of problems discovered by the TAB shall be corrected immediately by the responsible contractor and the system retested for compliance with contract documents.