

1 GENERAL

- 1.1 The work of this section includes the provision of all design, labour, materials, equipment and services required to fabricate and install systems testing and balancing as required for a complete project. The work includes, but is not necessarily limited to, the items referenced herein.
- 1.2 Balance and certify all air handling systems, exhaust systems and liquid systems using the services of a balancing agency accredited by the Associated Air Balance Council (AABC). Balance liquid systems only after successful balancing of the air systems.
- 1.3 Reference Standards:
- 1.3.1 Balance and test all systems in accordance with the most stringent measures stipulated in AABC: National Standards for Total System Balance. Utilize the reporting format contained therein. Include details of actual test procedures used and subsequent results in final balancing and certifying report.
- 1.4 Submittals:
- 1.4.1 Submit six, type written, copies of the Balancing and Certifying Report upon completion of the work. Stamp and sign each report.
- 1.5 Acceptance:
- 1.5.1 The Owner reserves the right to have the balancing agency take random flow readings in his presence after completion of the balancing report. If inconsistencies are noted between the balancing report and the random readings, rebalance the entire system in the presence of the Owner at no additional cost.
- 1.6 Identification:
- 1.6.1 After acceptance of the balancing report and random spot checks, permanently mark the settings of all valves, dampers and other adjustment devices to allow the settings to be restored. Set and lock all memory stop balancing devices.
- 1.7 Controls:
- 1.7.1 Conduct 30-day completion test and subsequent final acceptance procedures including a 7-day system performance verification test as described in Section D3060.
- 1.8 Energy Consumption
- 1.8.1 Demonstrate energy consumption monitoring system.
- 1.8.2 Ensure that all installations are adjusted to operate as intended.

- 1.8.3 Periodically during the first year, review operations and energy performance with Owner for compliance with undertaking as to comfort and air quality.
- 1.8.4 Provide written report within 90 days of Final Acceptance.

End of Section