

PART 3 - TESTING, ADJUSTING, AND BALANCING

3.1 SUMMARY

- A. This Section includes TAB to produce design objectives for the following:
  - 1. Air Systems:
    - a. Constant-volume air systems.
  - 2. HVAC equipment quantitative-performance settings.
  - 3. Reporting results of activities and procedures specified in this Section.
- B. Pre-testing, adjusting and balancing inspections shall be performed to identify deficiencies in HVAC installation prior work being concealed and to balancing work commencing. The HVAC Contractor shall schedule and coordinate the time of inspection.

3.2 MANDATORY CONDITIONS OF THE GENERAL CONTRACT

- A. Hannaford Bros. Co. shall require the General Contractor to sign an agreement for testing, Adjusting and Balancing work with:
  - 1. Mr. Rick Habib  
Air Solutions & Balancing, LLC  
40 King St., Unit 1  
Auburn, NH 03032
- B. It is Hannaford Bros. Co.'s intent to be proprietary with the Testing, Adjusting and Balancing Contractor (TAB Contractor). The TAB Contractor shall be under Contract to the General Contractor only and shall be independent of the mechanical contractor, refrigeration contractor or plumbing contractor.

3.3 SUBMITTALS

- A. Specify reports required because of editing procedures in Part 3.  
Certified TAB Reports: Submit, to Hannaford Bros. Co., two copies of reports prepared, as specified in this Section, on approved forms certified by TAB firm.

3.4 QUALITY ASSURANCE

- A. System balance shall be performed in accordance with AABC National Standards or NEBB Procedural Standards for Testing, Balancing and Adjusting of Environmental Systems.
- B. Certification of TAB Reports: Certify TAB field data reports. This certification includes the following:
  - 1. Review field data reports to validate accuracy of data and to prepare certified TAB reports. NEBB and TABB forms are identical.
- C. TAB Report Forms: Use standard forms from TAB firms forms.

3.5 EXAMINATION

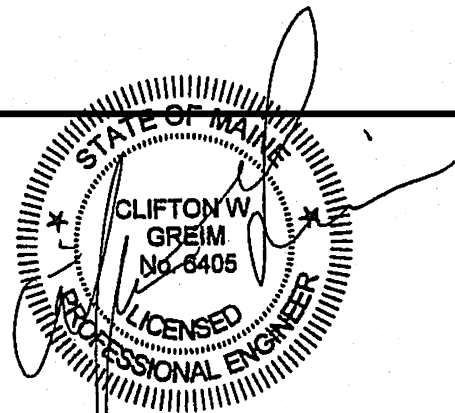
- A. Examine the Contract Documents to become familiar with Project requirements and to discover conditions in systems designs that may preclude proper TAB of systems and equipment.
- B. Examine system and equipment installations to verify that they are complete and that testing, cleaning, adjusting, and commissioning specified in individual Sections have been performed.
- C. Report deficiencies discovered before and during performance of TAB procedures. Observe and record system reactions to changes in conditions. Record default set points if different from indicated values.

3.6 PREPARATION

- A. Complete system readiness checks and prepare system readiness reports. Verify the following:
  - 1. Permanent electrical power wiring is complete.
  - 2. Balance dampers are open.

3.7 GENERAL PROCEDURES FOR TESTING AND BALANCING

- A. Perform testing and balancing procedures on the new exhaust fansystem according to the procedures contained in AABCs "National Standards for Testing and Balancing Heating, Ventilating, and Air Conditioning Systems" or NEBBs "Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems" and this Section.



NO	REVISIONS	DATE	BY
	ISSUED FOR CONSTRUCTION	11-14-16	JSC

Auburn, ME 207.784.5100  
 Portland, ME 207.775.0053  
 Portsmouth, NH 603.626.1242  
 Boston, MA 617.426.5050  
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DWG TITLE: SPECIFICATIONS  
 LOCATION: PRODUCE COOLER AND RESTROOMS  
 PORTLAND, ME

SCALE  
 DRAWN JSC  
 DATE: 11-14-16  
 DRAWING NO.  
**M002**  
 Store No. 8351