PART 1 - GENERAL

1.01 Work included:

A. This section covers selection and installation of variable volume terminal units.

1.02 General:

A. General occupied spaces applications:

1. Provide variable volume terminal units for space ventilation and temperature control.

B. Laboratory terminal units.

1. Provide variable air volume terminal units for laboratory space ventilation and temperature control. Controls must be compatible with fume hood controls.

1.03 Require working zone accessible by a reasonable man in front of any control boxes on air terminals, fire smoke dampers, etc.

PART 2 - PRODUCTS

2.01 Laboratory terminal units: Siemens, Phoenix, Alternate Brand Request or Substitution Request Required. Single blade dampers are the basis of design for supply, general exhaust and fume hood exhaust. Venturi style only required in specific applications.

2.02 Factory fabricated variable volume terminal units complete with lined casing, volume control damper, pressure independent volume controller. Trane, Titus, Siemens, Alternate Brand Request or Substitution Request required.

1. Provide units with damper assemblies for thermostatic volume control capable of full shut-off and constructed to prevent leakage in excess of 2% of rated air quantity at 1 inch static pressure.

2. Key damper blades to shaft.

3. Provide nylon fitted damper pivot points.

4. Provide non-integral damper operator and linkage mounted externally on casing. Operator is to be of the same manufacturer as the control system. Coordinate operator requirements with Controls and Instrumentation section. Provide factory mounting of controls.

PART 3 - EXECUTION

3.01 Coordinate installation with Standard 23 09 00

END OF SECTION