

C. Description of Work

1. Provide custom built, factory fabricated air handling system to meet the performance requirements shown on the equipment schedules. Unless otherwise noted each unit shall be complete with casings, fans, internal spring type vibration isolation, insulation, drain pans, heat transfer coil, filter frames with media, mixing boxes & dampers, humidification section, and service pipe chase as shown on drawings.
2. Each air handling unit shall be constructed and shall operate for all conditions of air flow to provide an environment in the occupied space as specified. The complete installation shall be achieved with the air handling unit installed with special relationship as indicated on the Drawings for this project.

D. Manufacturers:

1. Buffalo Air Handling. "Big Buffalo Series"
2. Johnson MarCRAFT Inc
3. Mafna
4. Trane; Custom Air handling
5. Webco

1.3 SUMMARY

- A. The manufacturer shall design, fabricate, and deliver FOB jobsite the equipment complete as described in this specification and attachments. The manufacturer shall include all protective coverings and measures as required to ship the equipment and protect against the elements and exposure during shipping. All protective coverings and measures required shall be included in the proposed cost. The manufacturer shall supply the following equipment and/or services:

B. Section Includes:

1. Constant-air-volume, single-zone air-handling unit. Unit designated as AHU-16-01.
2. Comply with the National Electric Code
3. Comply with International Mechanical Code
4. Comply with International Energy Conservation Code
5. Comply with ASHRAE 62
6. Comply with Uniform Construction Code

1.4 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Casing panels shall be self-supporting and capable of withstanding 150 percent of internal static pressures indicated, without panel joints exceeding a deflection of L/100 where "L" is the unsupported span length within completed casings. The units shall also be located out side and designed to carry a 30 lb/sf snow load on the roof, and a 75 mph wind load.