

SECTION 237300 – INDOOR CENTRAL STATION AIR HANDLING UNITS

PART 1 - GENERAL

1.1 SCOPE

- A. Air handling units shall be designed and manufactured to the specific requirements of this project.

1.2 QUALITY ASSURANCE

- A. The following shall be used as selection criteria and shall be as specified: airflow rates, external static pressures, water flow rates. The following are to be equaled or bettered: coil face velocities, filter face velocities, casing leakage rates, casing and base deflection. The following shall be met within 10% of specified values: water pressure drop.
- B. Units shall be produced by a recognized manufacturer who maintains a local service agency and parts stock.
- C. Air handling units and major components shall be products of manufacturing firms regularly engaged in production of such equipment whose products have been in satisfactory use in similar service for not less than 10 years.
- D. Fans shall conform to AMCA bulletins regarding testing and construction. Airfoil fans shall bear the AMCA certified rating seal for airflow and sound.
- E. Air Handling Unit Manufacturer shall factory-test air handling unit sound power levels after unit is completed. Units must be sound tested at the factory per AMCA 300 - Reverberant Room Method for Sound Testing of Fans.
- F. Coils shall be ARI certified.
- G. Filter media shall be ULC listed.
- H. Units with factory wiring shall be factory UL/ETL/CSA approved and labeled. Failure to comply with this requirement will necessitate the manufacturer, at his expense, to have a certified UL/ETL/CSA representative inspect the equipment prior to affixing a label.

1.3 APPROVED EQUALS

- A. The following manufacturers are approved in principle subject to meeting the specifications:
 - 1. Haakon Industries.
 - 2. Huntair.
 - 3. Scott Springfield Mfg.
 - 4. Mafna Air Technologies.