

SECTION 15760HOT WATER UNIT HEATERSPART 1 - GENERAL1.1 DESCRIPTION

- A. Work Included: Provide and install unit heaters of the types and sizes shown on the Drawings.
- B. Related Work Specified Elsewhere: "HVAC - General" is specified in this Division.

1.2 QUALITY ASSURANCE

- A. Verification of Capacities: Supply manufacturer's certificate of output for the unit heaters.
- B. Acceptable Manufacturers:
  - 1. Wing.
  - 2. Trane Company.
  - 3. McQuay, Inc.
  - 4. Dunham-Bush.
  - 5. Or approved equal.

PART 2 - PRODUCTS2.1 MATERIALS

- A. Unit capacity and type shall be as shown on the Drawings.
- B. Casing: Heavy gauge steel with rust-resistant, finish with manufacturers standard enamel color to be determined by the Engineer unless otherwise noted.
- C. Coil: Copper tubing mechanically bonded to aluminum fins.
- D. Fan and Motor:
  - 1. Unit shall have a direct-mounted aluminum propeller fan.
  - 2. Electrical characteristics as indicated.
  - 3. Motors shall be Totally Enclosed Non-Ventilated (TENV) type with integral thermal overload protection unless unit heater is located in a Class I, Division II, Group D space which will require an explosion proof motor.
  - 4. Operated by a zone thermostat (fan cycling).
  - 5. Shall have vibration proof mountings and be permanently lubricated with provisions for field lubrication.
- E. Provide individually adjustable horizontal louvers on horizontal discharge units.
- F. Provide casings with special corrosion resistant coatings as shown on the Drawings. Coatings shall give superior resistance to corrosion due to high moisture levels and shall be equivalent to air dried epoxy phenolic or baked phenolic finishes.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install in strict accordance with the manufacturer's instructions and recommendations and as shown on the Drawings.
- B. Install with shut off valves, balancing valves, and air vent as required for unit operation and balancing.

END OF SECTION