

SECTION 15830
TERMINAL HEAT TRANSFER UNITS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Finned Tube Radiation.
 - 2. Unit Heaters.
 - 3. Cabinet Unit Heaters.
 - 4. Fan Coil Units.

PART 2 PRODUCTS

1.2 FINNED TUBE BASEBOARD

- A. Provide approved in-line expansion compensators for finned tube assemblies greater than 20 feet in length.
- B. Enclosures:
 - 1. Enclosures in public areas shall have a minimum metal thickness 14 gauge, other areas may be 18 gauge.
 - 2. Access Doors: Provide at all valve and air vent locations. Door latches requiring tool to open.

1.3 UNIT HEATERS

- A. Provide control of unit heaters such that fan operation can be disabled when heating water supply is shut off in order to prevent uncontrolled continuous operation of the fans in the summer time.

1.4 CABINET UNIT HEATERS

- A. Access: Provide access doors for piping and controls.
- B. Finish: Factory applied baked enamel finish of color selected by Contracting Agency.
- C. Filter: provide minimum one-inch thick glass fiber throw-away type, located to filter air before coil.

1.5 FAN-COIL UNITS

- A. Filter: Provide minimum 2 inch (25 mm) thick glass fiber throwaway type, located to filter air before the coil.

PART 3 EXECUTION

1.6 INSTALLATION

- A. Install equipment exposed to finished areas after walls and ceilings are finished and painted.

- B. Provide isolation valves on water inlet and outlet to terminal heating units such as radiation, unit heaters, and fan coil units.
- C. Install flow control valves and all serviceable products for heating terminal units to be operable and adjustable without removal of the finish cover. For finned tube enclosures specified without access doors, install removable enclosure section over serviceable products.
- D. Provide pressure and temperature test plugs on both sides of heat transfer elements to measure the drop across all runs of all heat transfer elements.

END OF SECTION