

## SECTION 15764 - RADIATORS

### PART 1 - GENERAL

#### SUMMARY

This Section includes the following:  
Finned-tube radiators.  
Finned-tube convectors.

### PART 2 - PRODUCTS

#### MANUFACTURERS

#### BASEBOARD RADIATORS

Available Manufacturers:

Burnham Corp.; Hydronics Div.  
Edwards Engineering Corporation.  
Haydon Corp.  
Hydrotherm.  
Rosemex Products.  
Slant/Fin.  
Sterling Heating Equipment.  
Weil-McLain; a United Dominion Company.

Heating Elements: Copper tubing mechanically expanded into flanged collars of evenly spaced aluminum fins, one tube end belled; with polypropylene element glides.

Tube Diameter: NPS 3/4 (DN 20).

Enclosures: One piece, minimum 0.030-inch- (0.75-mm-) thick steel, with full-height back, full-length damper, end panel, end caps, corners, and joiner pieces to snap together. Front panel shall be easily removable.

Enclosure Height: 8 inches.

Finish: Factory-applied baked enamel in manufacturer's standard color.

Element Brackets: Galvanized steel to support front panel and element glide.

Capacity: As scheduled, based on 65 deg F (18 deg C) entering air temperature, [190 deg F (87 deg C)].

#### SOURCE QUALITY CONTROL

Factory test and rate baseboard radiators according to Hydronics Institute's "Testing and Rating Standard for Baseboard Radiation."

**RENOVATIONS TO THE CHILDREN'S CENTER  
STEVENS AVE., PORTLAND, ME**

Factory test and rate finned-tube radiators according to Hydronics Institute's "Testing and Rating Standard for Finned-Tube (Commercial) Radiation."

PART 3 - EXECUTION

INSTALLATION

Install baseboard radiators according to Hydronics Institute's I= B= R 200, "Installation Guide for Residential Hydronic Heating Systems," and as follows:

Unless otherwise indicated, install enclosure continuously from wall to wall, around corners, using outside and inside corner fittings.

Join sections with splicer plates and filler pieces to provide continuous enclosure.

Install access doors in enclosures for access to valves and other fittings.

Terminate enclosures with manufacturer's end caps.

CONNECTIONS

Connect hot-water units and components to piping according to Division 15 Section "Hydronic Piping."

Install shutoff valve on inlet and balancing valve on outlet.

END OF SECTION 15764