

PART 1 **GENERAL**

1.1 **RELATED SECTIONS**

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .3 Section 01 78 00 - Closeout Submittals.
- .4 Section 26 05 00 – Common Work Results – Electrical.

1.2 **REFERENCES**

- .1 Canadian Standards Association (CSA International)
 - .1 CSA C22.2 No.46, Electric Air-Heaters.
- .2 Underwriters' Laboratories (UL) Inc.
 - .1 UL 1042, Electric Baseboard Heating Equipment.

1.3 **PRODUCT DATA**

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit product data sheets for heaters. Include:
 - .1 Product characteristics.
 - .2 Performance criteria.
 - .3 Mounting methods.
 - .4 Physical size.
 - .5 kW rating, voltage, phase.
 - .6 Cabinet material thicknesses.
 - .7 Limitations.
 - .8 Colour and finish.
- .3 Manufacturer's Instructions: Provide to indicate special handling criteria, installation sequence and cleaning procedures.

1.4 **CLOSEOUT SUBMITTALS**

- .1 Submit operation and maintenance data for heaters in accordance with Section 01 78 00 - Submittal Procedures.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 – Construction/Demolition Waste Management and Disposal, and with Waste Reduction Work Plan.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Divert unused metal and wiring materials from landfill to metal recycling facility approved by Departmental Representative.
- .5 Collect, package and store existing unit heaters for, either reuse or recycling and return to recycler in accordance with Waste Management Plan.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- .1 Acceptable Product:
 - .1 Ouellet
 - .2 Dimplex
 - .3 Chromalox
 - .4 Stelpro.

2.2 CONVECTORS

- .1 Residential duty baseboard heater:
 - .1 Steel construction (20ga front; 22ga chassis), surface mounted on wall with front inlet, front outlet.
 - .2 **White** epoxy powder paint finish.
 - .3 Tubular finned element.
 - .4 Capacity and voltage: as indicated.

2.3 CONTROLS

- .1 Line voltage thermostat.

PART 3 **EXECUTION**

3.1 **INSTALLATION**

- .1 Attach heaters to walls in accordance with manufacturer's instructions.
- .2 Install line voltage thermostat and connect.
- .3 Make power and control connections.

3.2 **COMMISSIONING**

- .1 Perform tests in accordance with Section 26 05 00 – Common Work Results – Electrical.
- .2 Ensure that heaters and controls operate correctly.

END OF SECTION