1 General

1.01 Submittals

.1 Submit shop drawings/product data sheets for electric heaters, including accessories.

.2 Submit manufacturer's standard colour chart.

1.02 Closeout Submittals

.1 Submit a site start-up report from manufacturer's representative as specified in Part 3 of this Section.

.2 Training attendance records.

2 Products

2.01 General Re: Electric Heaters

.1 Electric heaters are to be certified and labelled in accordance with CSA C22.2 No. 46, Electric Air-Heaters, and are to be complete with automatic reset high limit temperature control, baked epoxy/polyester powder coat white or almond finish as selected, and in accordance with drawing schedule.

.2 Manufacturers:

.1 Ouellet Canada Inc.;

.2 Chromalox Inc.;

.3 Stelpro Inc.

2.02 Sloped Top Convector Heaters

.1 Wall mounted sloped top electric convector heaters, each complete with:

.1 #18 gauge steel cabinet, approximately 75 mm (3") wide, 250 mm (10") high, with #16 gauge steel removable front panel with pencil-proof louver grilles;

.2 standard watt density (900 W/m), noise free, steel tubular element with aluminium fins, floating on high-temperature nylon bushings;

.3 factory supplied enclosure accessories as indicated on drawings and/or heater schedule;

.4 factory installed relay section with 24 volt relay and transformer for site connection to a remote thermostat.

2.03 Baseboard Heaters

.1 Low profile wall mount baseboard heaters, each approximately 150 mm (6") high, 65 mm (2-½") deep, complete with:

.1 #22 gauge steel body with #20 gauge steel connection box at both ends of heater, 2 rows of mounting holes, single screw built-in wire holder, and #20 gauge steel removable front panel with rounded upper corners;

.2 standard watt density (900 W/m) tubular steel heating element with aluminium fins, noise free and floating on high temperature nylon bushings;

.3 factory supplied enclosure accessories as indicated on drawings and/or heater schedule;

.4 factory supplied control components in accordance with drawing schedule, with low voltage/line voltage barrier as required.

3 Execution

3.01 Installation

.1 Supply electric heaters, complete with all required accessories. Hand heaters, in original packaging, to electrical trade at site in room/area where they are to be installed.

.2 Locate electric heaters for electrical trade so accurate electrical rough-in can be made. Confirm exact locations prior to electrical rough-in.

.3 Ensure heaters are properly installed.

.4 Where remote thermostats are indicated, provide thermostats, and required control wiring and accessories. Unless otherwise indicated, locate thermostats 1200 mm (48”) above floor, and confirm exact thermostat locations prior to roughing-in.

3.02 System Startup

.1 For equipment/system start-up requirements, refer to Section 20 05 00 – Common Work Results for Mechanical.

3.03 Closeout Activities

.1 Include for a 4 hour on-site heater operation demonstration and training session. Training is to be a full review of all components including but not limited to construction details, operation, and maintenance.

End of Section