

RSCA SERIES

ARCHITECTURAL/ENGINEERING SHORT FORM SPECIFICATIONS

Gas-fired infrared space heaters shall be furnished and installed in accordance with governing codes and as shown per building drawing(s) as described below:

Heaters shall be Space-Ray RSCA series ceramic heaters, model number(s) RSCA _____, rated at _____ Btu/hr, as manufactured by Gas-Fired Products, Inc., Charlotte, North Carolina. Heaters shall be equipped with a 24-volt direct spark ignition or millivolt standing pilot system (no external power supply is required for heaters equipped with millivolt control system) with 100% gas shutoff.

Heaters shall be made of aluminized steel body construction, and shall have a specially designed internal plenum chamber. This chamber shall provide optimum air/gas mixture for complete combustion. The carbon monoxide emission level should be .001% based on the maximum allowable emission level of 0.04%.

Heaters shall have a rigid one-piece cast iron burner and an Incoloy 800 Reverberatory Screen. The Reverberatory Screen shall increase the overall emissivity of the radiating surface with a blackbody radiation effect and act as a safety net in the unlikely event that the ceramic tile assembly is broken by an outside force. The heater's high temperature ceramic emitter surface shall be coated with high emissivity iron-oxide coating which increases the emissivity of the radiating surface by 13%. The heater shall be capable of operating at up to 1800°F and shall withstand thermal shock when water quenched.

Heaters shall have 48.72% radiant efficiency as determined by ANSI Z83.6, Section 2.9. Radiant coefficient readings shall be obtained with a potassium bromide filter to duplicate the results obtained at the Canadian Standards Association Laboratories.

Heaters shall operate satisfactorily in any position from horizontal to forty-five (45°) degrees from horizontal. Heaters shall be design certified by the Canadian Standards Association (CSA) to American National Standard Z83.19/CSA 2.35. The manufacturer shall provide a written limited warranty of ten (10) years covering the emitter tiles, the cast iron burner, and body construction, and a limited warranty of one (1) year for all components utilized in the heater's control assembly.