OPTIFLAME – PLUG-IN

ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The electric fireplaces shall be manufactured by Dimplex North America Ltd of Cambridge Ontario, Canada. The units shall be CUL and UL approved for use in the United States and Canada, and will be mounted in a cabinet enclosure supplied by Dimplex North America or whose design is based on information based on sizing and clearances shown in the manufacture's literature.

The electric firebox itself should consist of a simulated flame effect with self contained heating elements and blower. The units facing shall be finished by a removable trim piece available in optional finished and designs supplied by Dimplex North America.

The electric flame effect shall be produced using Dimplex's patented 3-D technology with no combustion; the unit shall provide independent operation of the flame effect with or without the output produced by the electric heating elements. The controls are as follows; main power on/off, heater on/off, flame speed control, upper light dimmer, and heater thermostat. The controls are located under a hinged grill. The hand finished fireplace logs shall be individually painted in the factory in order to provide the unique look of a real log fire.

The unit shall be supplied completely factory pre-wired with a two prong plug for operation on 120 volts AC, 60 Hertz. All light bulbs providing the flame effect shall operate on 120 volts in order to incorporate replacement bulbs that are readily available through standard supply outlets. A dedicated, properly fused circuit with a 15amp rating for the appropriate voltage is required.

The fireplace shall be constructed of heavy 20 gauge steel, surfaces shall be detergent washed and coated with a phosphate solution prior to the electrostatic powder paint coating. The unit shall be finished in flat black. The front flame viewing area is finished with a screen printed, tempered glass that meets CUL and UL safety standards ANSI Z97.1.

The flame can be operated independent of the heating elements that are thermostatically controlled. The heater assembly consists of a low RPM blower motor with a heating element constructed of a nichrome wire assembly designed for optimum performance by use of the unique cross flow element design.