



ISQUARED R ELEMENT CO., INC.

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**INFORMATION NORMALLY REQUIRED TO MAKE
SILICON CARBIDE HEATING ELEMENT RECOMMENDATIONS**

DESCRIBE FURNACE OR KILN: _____

DESCRIBE PROCESS: _____

NORMAL OPERATING TEMP. _____ MAXIMUM DESIGN TEMP. _____

ATMOSPHERE: _____

OPERATION: CONTINUOUS - OR - BATCH _____

FIRING CYCLE: HEAT UP TIME to TEMP: _____ SOAK TIME @ TEMPERATURE: _____

PLEASE PROVIDE DIMENSIONED SKETCH FOR LOAD, HOT CHAMBER AND DOOR LOCATION

LOAD OR WORK AREA DIMENSION: (LENGTH x WIDTH x HEIGHT): _____

HOT CHAMBER DIMENSION WALL TO WALL (LENGTH x WIDTH x HEIGHT): _____

WALL & ROOF THICKNESS and COMPOSITION: _____

IF CONTINUOUS, HOW IS MATERIAL TRANSPORTED THROUGH KILN? _____

WEIGHT OF MATERIAL TO BE HEATED PER HOUR _____

WILL ANY VOLATILES BE GIVEN OFF DURING FIRING? _____

ESTIMATED POWER REQUIRED KW/HR: _____

INCOMING VOLTAGE: _____ MAXIMUM AMPS AVAILABLE: _____

SINGLE PHASE OR THREE PHASE: _____

METHOD OF POWER CONTROL, Zero Cross SCR, phase angle?

HOW MANY ZONES OF TEMPERATURE CONTROL? _____

CONTACT NAME: _____

COMPANY: _____

ADDRESS: _____

TELEPHONE: (_____) _____ FAX (_____) _____

EMAIL: _____