Laser Barrier Information Form

The information requested in this form will be used to determine the laser barrier appropriate for your installation. The specific information requested may usually be found in the specification pages of the manuals supplied by the laser manufacturer.

Illustration A

Illustration B

Illustration C

LASER PARAMETERS

Laser type: _________________________________

Wavelength(s): ___________________________ (µm)

Beam diameter at exit of laser: ___________________________ (mm)

(see ill. A #1)

OPERATION MODE

Pulsed ( )

Continuous Wave ( )

Pulse energy: ______________________________ (J)

Maximum Average Power: ___________________________ (W)

Pulse length: ______________________________ (sec.)

Repetition rate: ___________________________ (Hertz)

DELIVERY OPTICS

Beam conduit ( )

Fiber optics ( )

Beam diameter just prior to lens: ___________________________ (mm)

(see ill. B #2)

Fiber optic numerical aperture: ___________________________ (see ill. C #3)

Focusing lens: focal length: ___________________________ (mm)

(see ill. B #3)

Cone angle: ___________________________ (degrees)

(see ill. C #6)

SYSTEM DESIGN & GEOMETRICAL FACTORS

Worst case viewing distance (diffuse targets): ___________________________ (m)

Nominal distance(s) from laser aperture to barrier: max: ___________________________ (feet) min: ___________________________ (feet)

Form completed by:

Name: ______________________________ Phone: ______________________________

Company: ______________________________ Fax: ______________________________

Address: ______________________________ Email: ______________________________

City: ______________________________ State: ___________________________ Zip Code: __________________