

# 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. The laser barrier hazard analysis concepts outlined below are based upon Section 4.4.2.5, Laser Protective Barriers and Curtains, (Class 3B or Class 4), Appendix Section B8.2, and Appendix Section D3.4 in the ANSI Z136.1-2014 National Standard.

Illustration A

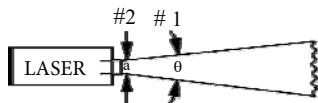


Illustration B

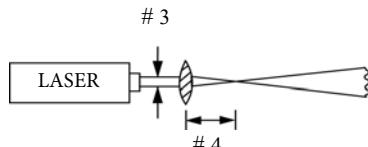
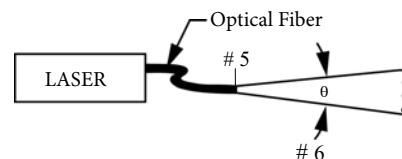


Illustration C



## LASER PARAMETERS

Laser type: \_\_\_\_\_

Class: \_\_\_\_\_

Wavelength(s): \_\_\_\_\_ (μm)

Beam divergence: \_\_\_\_\_ (mrad)

Beam diameter at exit of laser: \_\_\_\_\_ (mm)  
(see ill. A # 2)

(see ill. A # 1)

## OPERATION MODE

**Pulsed** (  )

Pulse energy: \_\_\_\_\_ (J)

**Continuous Wave** (  )

Maximum Average Power: \_\_\_\_\_ (W)

Pulse length: \_\_\_\_\_ (sec.)

Repetition rate: \_\_\_\_\_ (Hertz)

## DELIVERY OPTICS

**Beam conduit** (  )

Beam diameter just prior to lens: \_\_\_\_\_ (mm)  
(see ill. B #3)

**Fiber optics** (  )

Fiber optic numerical aperture: \_\_\_\_\_  
(see ill. C # 5)

Focusing lens: focal length: \_\_\_\_\_ (mm)  
(see ill. B #4)

Cone angle: \_\_\_\_\_ (degrees)  
(see ill. C #6)

## SYSTEM DESIGN & GEOMETRICAL FACTORS

Worst case viewing distance (diffuse targets): \_\_\_\_\_ (in)

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

## Form completed by:

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Company: \_\_\_\_\_

Email: \_\_\_\_\_



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