

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

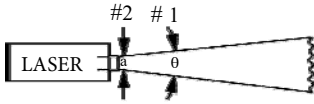


Illustration B

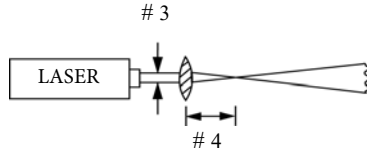
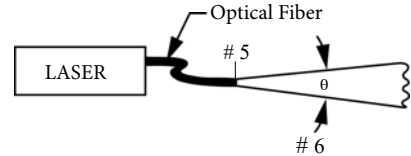


Illustration C



LASER PARAMETERS

Laser type: _____

Wavelength(s): _____ (μm)

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

Class: _____

Beam divergence: _____ (mrad)
(see ill A # 1)

OPERATION MODE

Pulsed ()

Pulse energy: _____ (J)

Pulse length: _____ (sec.)

Repetition rate: _____ (Hertz)

Continuous Wave ()

Maximum Average Power: _____ (W)

DELIVERY OPTICS

Beam conduit ()

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

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

Fiber optics ()

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

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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