Laser MAP Guidance for all Open Beam Class 3B or 4 Lasers

1. Furnish a site drawing for each laser showing a complete configuration of the laser in the room. Show distances to any doors or windows and work stations.

2. Where the use of multiple laser configurations are anticipated, suggest the use of a room drawing template showing only the laser tables. Then draw in and annotate the actual worst case laser configuration for each use.

3. Laser configurations must include type of laser, distances from aperture port of laser to any mirrors, Brewster beam splitters or targets, beam height above surface of table, covered/uncovered portions of the beam and diameter of emergent/terminal beams.

4. Show all laser use data on the laser MAP (power, wavelength, number of pulses, pulse time, repetitive pulse frequency or number or time if CW) for the worst case of operation for each configuration.

5. List all eyewear PPE with OD, wavelength, direct view or diffuse view notations shown. Show method and location of storage.

6. List all additional required safety PPE or equipment and its location for the safe operation of the laser indicated: long sleeves, fire-proof curtains and gloves, face shields, insulating mats, vented hoods, beam stops or attenuators, etc.

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7. Indicate the maximum number of users or individuals that may be in the room during the firing of the laser. Show the location of any work stations with respect to the seated eye level height and line of sight distance to any open laser beam.

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LASER MAP

PI:_____ Building:_____

Date:_____ Laser Class:_____ Room #:_____

Laser Manufacturer phone number:_____
Laser Type:_____ CW:_____ Pulsed:_____
Max Power:_____ Wavelength:_____ Vis:_____