

FPST 1373 Visual Notification Outline

- I. Visual notification appliances requirements
 - a. Needed when audible is not sufficient
 - i. People with hearing impairments
 - ii. Ambient noise > 105 dBA
 - b. Strobes are required by codes
 - i. Synchronization required to prevent epilepsy
 - ii. Must be synchronized when multiple can be seen simultaneously
 - iii. See tables for size requirements
 - 1. Can split up room into multiple areas
 - 2. Size for largest side if rectangle
 - iv. Illumination (lux) is related to the intensity of the strobe (cd) and the square of the distance away
 - v. Same intensity can be achieved with short peak, high value and long peak, low value
 - 1. May not have same effectiveness for notification
- II. Location of visual notification appliances
 - a. Graphical annunciator
 - i. Fire service use
 - ii. Typically main entrance
 - iii. Graphically able to see where fire is
 - b. Strobes
 - i. Must be placed where people will be naturally looking
 - ii. Wall mounted
 - 1. Between 80 in and 96 in above the floor
 - 2. Coverage area is half to either side and all the listed distance out
 - iii. Ceiling mounted
 - 1. Up to 30 ft above the finished floor
 - iv. Corridors
 - 1. Within 15 ft of end
 - 2. Every 100 ft
 - v. Sleeping areas
 - 1. Within 16 ft of pillow location
 - c. Displays
 - i. At least 40 in above the floor
 - d. Flashing lights
 - i. Can be located by exits to draw attention
- III. Other types of notification appliances
 - a. Audible
 - i. Can be any sound
 - b. Tactile
 - i. Where audible and visual not adequate