

Fire Alarm Plan Review

1-day Course Outline (7 hours)

Course Description -

This application course describes the common problems associated with the plan review process and offers suggestions for improvement by providing plan review and acceptance test checklists, spreadsheets for determining battery and voltage drop calculations, exercises to determine proper spacing of smoke detectors, exercises for determining proper audibility of fire alarm notification appliances and for determining proper sizing and placement of visible notification appliances. This seminar is intended for authorities having jurisdiction involved in fire alarm system plan review, contractors providing submittal documentation for plan review and fire alarm system designers.

Course Materials -

1. Student course book and handout workbook (provided)
2. Ruler and compass (provided)
3. Calculator, pencils and note paper (Student to provide)

Course Outline -

1. Review of Code Requirements for Plan Review and Submittals based on International Building Code - 2003 and NFPA 5000, Building Construction and Safety Code, 2003
2. Review of pre-plan and plan review checklists
3. Battery calculation training and exercises
4. Voltage drop training and exercises
5. Smoke detector spacing requirements training and exercises
6. Fire alarm audibility requirements training and exercises
7. Fire alarm visibility requirements training and exercises
8. Review of pre-acceptance and acceptance testing checklists