



Office of State Fire Marshal

Protecting citizens, their property and the environment from fires and hazardous materials.

Fire Plan Examiner Preparation Course

Instructors:

Eric McMullen has 20 years of fire service experience with ten years of experience providing fire plan review. He currently has his ICC Fire Plans Examiner and ICC Fire Inspector II certificate.

Mike Thrapp has 27 years of fire service experience with more than 16 years experience providing fire plan review. He currently has his ICC Building Plans Examiner, ICC Fire Plans Examiner and ICC Fire Inspector II certificate.

Scope of Course:

The ICC Fire Plan Examiner Preparation course is intended to assist attendees in preparing for the ICC Fire Plans Examiner certification exam and to provide a base level of plan review methodology, skills, and experience.

This course will cover the applicable aspects of the 2006 International Fire Code, 2006 International Building Code, 2002 Edition of NFPA 72 and the 2002 Edition of NFPA 13 as they relate to plan review.

The course is designed to provide practical hands-on application including plan review, group tasks and presentations, subject exercises, and class discussions.

Course Content:

The ICC Fire Plan Examiner Preparation course is divided into nine modules:

Module 1: Plan Review

Module 2: Administration

Module 3: Occupancies

Module 4: Fire Protection - Water Supply and Extinguishers

Module 5: Egress and Safety

Module 6: Fire Protection - Sprinklers and Standpipes

Module 7: Hazardous Materials

Module 8: Fire Protection - Fire Alarms

Module 9: Specific Occupancy and Use Hazards

Note: Please see back page for additional details.

Student Materials:

Students will be provided a student manual on the first day of the training. Students are also expected to bring the following materials to class:

- Calculator (capable of exponent function)
- 2002 NFPA 13 Standard for the Installation of Sprinkler Systems

- 2002 NFPA 72 National Fire Alarm Code
- 2006 International Fire Code
- 2006 International Building Code



Day One, Eric McMullen**8 AM - 5 PM****Module 1: Plan Review**

- Resources
- Tools and equipment
- Expectations
- Documentation, policies, and interpretations
- Review methodology
- Correspondences
- Policies and Procedures

Module 2: Administration

- Research and Testimony
- Permits
- Records
- Enforcement

Module 3: Occupancies

- Occupancy types
- Occupancy uses
- Type of construction

Module 4: Fire Protection

- Water Supply
- Fire Extinguishers

Module 5: Egress and Safety

- Occupant Load
- Means of egress
- Emergency and standby power
- Exit signage
- Emergency lighting

Day Two, Eric McMullen**8 AM - 5 PM****Module 7: Hazardous Materials**

- MSDS, HMMP
- Control areas
- Special hazards
- Flammable/combustible liquids

Module 9: Specific Occupancy and Use Hazards

- Smoke control system
- Lumber Yards and Woodworking Facilities
- Industrial Ovens
- Motor Fuel Dispensing
- Tire Rebuilding and Tire Storage
- Tents, Canopies and Other Membrane Structures
- Welding and other Hot Works

Day Three, Mike Thrapp**8 AM - 5 PM****Module 6: Fire Protection - Sprinklers and Standpipes**

- Sprinklers
 - When required
 - Types of systems
- System components
- Hydraulics
- NFPA 13, 13R, 13D
- High-piled storage
- Plan review checklist

Day Four, Mike Thrapp**8 AM - 5 PM****Module 6: Fire Protection - Sprinkler and Standpipes Continued**

- Sprinklers ~ continued
- Standpipes
- When required
- Types of systems
- Plan review checklist

Module 8: Fire Protection - Fire Alarms

- Fire Alarms
 - When required
- Types of systems
- System components
- Voltage drop
- Plan review checklist

Module 9: Specific Occupancy and Use Hazards

- High-piled combustible storage
- Semi-conductor facilities
- Spray finishes