

Certification: Fire Plans Examiner



Exam ID: F3

Scope:

A Fire Plans Examiner is responsible for determining submitted plans (building plans, site plans, fire protection plans and other plans) meet the requirements of the various Codes and Standards that have been adopted by their jurisdiction. A Fire Plans Examiner shall be able to review and approve submitted plans for life safety and fire issues including, but not limited to, interior finish, occupancy type, height and area limitations, construction type, and general fire safety. The Fire Plans Examiner shall be able to identify the requirements for fire protection systems and permits.

- 60 multiple-choice questions
- 3-1/2-hour limit
- Open book

01	Administration	5%
0104	<u>Research and Testimony</u> Research fire protection requirements for special construction, operations, and materials. When directed by the fire code official, provide expert technical testimony on fire codes and standards.	2%
0106	<u>Consultation and Explanation</u> Assist in coordinating the activities of the fire code official with the building official, zoning official, registered design professional, owner/developer, contractor, and public utilities.	2%
0107	<u>Recordkeeping</u> Prepare and maintain a record of each fire protection plans examination which is conducted, including notices and orders issued, showing the findings and disposition of each.	1%
02	Occupancy	15%
0201	<u>Occupancy Type</u> Verify that the occupancy type of the building is correct.	2%
0202	<u>Type of Construction</u> Verify that the specified type of construction of the building is correct.	3%
0203	<u>Occupant Load</u> Verify code compliance of the specified occupant load for individual rooms.	4%
0204	<u>Specific Occupancy and Use Hazards</u> Verify code compliance to protect against hazards of specific occupancies and use.	3%

0205	<u>Evaluate Special Fire Protection Features</u> Verify that special fire protection features, such as fire-resistive materials and surface treatments, and clearance of combustibles surrounding the building are specified where required.	3%
03	Hazardous Materials	20%
0301	<u>Management Plan</u> Review the hazardous materials management plan and inventory statement for compliance with code requirements for the prevention, control, and mitigation of dangerous conditions related to storage, dispensing, use, and handling of hazardous materials.	2%
0302	<u>Material Safety Data Sheets</u> Verify that material safety data sheets are submitted on hazardous materials, and specify the material classification hazard. Verify correct classification of hazardous materials and maximum allowable quantity.	2%
0303	<u>Control Areas</u> Verify that control areas are specified where required, and are designed and constructed in accordance with the code.	3%
0304	<u>Special Hazards</u> Verify that occupancies with special hazards, such as hazardous production material (HPM), semiconductor fabrication, dry cleaning, and woodworking, comply with specific code requirements for these hazards. Verify that explosion control is provided where required.	3%
0305	<u>Flammable and Combustible Liquids and Gases</u> Verify that storage, use, and handling of flammable and combustible liquids and gases is specified, and complies with special code requirements.	5%
0306	<u>Storage of Combustibles</u> Verify the general fire protection and safety requirements for combustible storage.	5%
04	Fire Protection	35%
0401	<u>Water Supply for Fire Protection</u> Verify that water supplying fire protection systems is sufficient for designed fire flow, with control and monitoring equipment as required by code. Verify that hydrants are located and sized as required. Verify compliance of fire department inlet and hose connections.	5%
0402	<u>Sprinklers, Standpipes, and Alternate Automatic Fire Extinguishing Systems</u> Verify that sprinklers, standpipes, and alternate automatic fire extinguishing systems are specified where required; are designed by qualified persons to the appropriate standard; are designed for the specified class of service; are listed for the specified class of service; and are listed for their specified use. Verify compliance of construction and equipment specifications for layout, installation, operation, and monitoring.	12%

0403	<u>Fire Alarm and Detection Systems</u> Review that fire alarm and detection systems are specified where required, are designed by qualified persons to the appropriate standard, are designed for the specified class of service, and are listed for their specified use. Verify compliance of construction and equipment specifications for layout, installation, operation, and monitoring.	11%
0404	<u>Portable Extinguishers</u> Verify compliance of size, class, and location of portable extinguishers.	2%
0405	<u>Smoke Control Systems</u> Verify that mechanical and passive smoke control systems are specified where required and are designed by qualified persons to the appropriate standards.	5%
05	Egress Safety	25%
0501	<u>Emergency and Standby Power</u> Verify that emergency and standby power is provided for systems egress and occupant safety, and are listed for the specified use.	2%
0502	<u>Egress Doors</u> Verify that egress doors are provided where required, are of adequate size, swing, fire protection rating, and compliance of panic or fire exit hardware.	6%
0503	<u>Stairs, Ramps, and Balconies</u> Verify that stairs, ramps, and balconies comply with code requirements, including rise/run of steps, width, length, guards, rails, and landings.	6%
0504	<u>Exit Access</u> Verify that the egress route complies with code requirements for width, clearances, maximum travel distance, fire protection, illumination, and signage. Verify that any dead-end corridors comply with code requirements.	7%
0505	<u>Access to Buildings, Windows, and Roofs</u> Verify that the building and its windows and roof are accessible for emergency access by the fire department. Verify stairway access to the roof when required by code, with street-level signage. Verify that the site plan specifies location of premise identification and, when required, fire-department key boxes.	2%
0506	<u>Hazards to Fire Fighters</u> Verify that posting of signage for hazardous materials is specified on the plans where required. Verify that protective barriers are specified where necessary for the safety of emergency personnel. Verify that building elements that may be hazardous to emergency personnel are identified.	2%