

TEXAS COMMISSION ON FIRE PROTECTION

Fire Inspector II

Performance Standards

Skill Numbers 11-15 - Plan Review

Classify the occupancy type; compute occupant load; review installation of fire protection systems; verify means of egress and construction type

NFPA 1031 5.4.1, 5.4.2, 5.4.3, 5.4.4, 5.4.5, 5.4.6

Fire Inspector II

OBJECTIVES

Skill 11

Classify the occupancy type, given a set of plans, specifications, and a description of a building, so that the classification is made according to applicable codes and standards. (5.4.1)

Skill 12

Compute the maximum allowable occupant load, given a floor plan of a building or portion of the building, so that the calculated occupant load is in accordance with applicable codes and standards. (5.4.2)

Skill 13

Review the proposed installation of fire protection systems, given shop drawings and system specifications for a process or operation, so that the system is reviewed for code compliance and installed in accordance with the approved drawings and all deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the jurisdiction. (5.4.3)

Review the installation of fire protection systems, given an installed system, shop drawings, and system specifications for a process or operation, so that the system is reviewed for code compliance and installed in accordance with the approved drawings and deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the jurisdiction. (5.4.4)

Skill 14

Verify that means of egress elements are provided, given a floor plan of a building or portion of a building, so that all elements are identified and checked against applicable codes and standards and any deficiencies are discovered and communicated in accordance with the policies of the jurisdiction. (5.4.5)

Skill 15

Verify the construction type of a building or portion thereof, given a set of approved plans and specifications, so that the construction type complies with the approved plans and applicable codes and standards. (5.4.6)

TEXAS COMMISSION ON FIRE PROTECTION
Fire Inspector II
Performance Standards

INSTRUCTIONS - procedures for achieving the objectives

The Inspector candidate shall perform all the steps necessary to complete one of the following five skills. The one skill the inspector candidate is to perform will be randomly selected by the TCFP from the choices below:

Given a set of plans, specifications, a description of a building and the established practices and procedures of the jurisdiction:

- Skill 11 Classify the occupancy type
- Skill 12 Compute the maximum allowable occupant load
- Skill 13 Review the proposed installation, as well as the actual installation of fire protection systems
- Skill 14 Verify that means of egress elements are provided
- Skill 15 Verify the construction type of a building or portion thereof

*Regardless of which skill is randomly chosen, the inspector candidate will, as part of the skills exam, report to the plan submitter with applicable references to code and standards and any alternative methods for compliance.

EXAMINER'S NOTE

Skills examiners shall ensure realism in the skills evaluation to a basic level of understanding and skills demonstration for evaluation and calculations.

PREPARATION & EQUIPMENT

Most skills require the use of a pen or pencil, paper, calculator, applicable codes and standards, local practices and procedures, and a computer with a printer or typewriter and official letterhead if applicable. Additional preparation and equipment information is located with the specific performance skill.

TEXAS COMMISSION ON FIRE PROTECTION
Fire Inspector II
Performance Standards

Skill Numbers 11-15 Evaluator Information-Preparation and Equipment

Instruction	Example
<p>Provide a set of occupancy or building plans, specifications and description to the Inspector candidate. The set of plans should incorporate site, architectural, mechanical, electrical, plumbing, landscaping, and fire protection shop drawings. The Inspector candidate will review the information and plans to accomplish a set of skills within one time period. Ensure adequate room for plans reading, code and standards references are available.</p> <p>Have the Inspector candidate review and interpret the plans, specifications and description to:</p> <ol style="list-style-type: none"> a) Classify the occupancy type. b) Calculate the maximum allowable occupant load of the building or portion of the building. c) Verify shop drawings of proposed fire protection systems. d) Verify means of egress. <p>Verify construction type.</p> <p>Have the Inspector candidate apply the code and standard requirements to verify compliance.</p> <p>The Inspector candidate shall complete an installation review with the approved plans.</p>	<p><i>24,000 square foot Religious assembly occupancy with associated classrooms, kitchen and offices</i></p> <ol style="list-style-type: none"> a) <i>A2 Occupancy Group</i> b) <i>497 occupant load for the A2 area</i> c) <i>UL 300 system proposed – Kitchen hood and duct fire protection extinguishing system</i> d) <i>Main entrance door swing does not open in direction of egress per the occupant load.</i> <p><i>Type IIB (non-combustible, non-rated)</i></p> <p><i>UL 300 systems proposed – Kitchen hood and duct fire protection extinguishing system does not completely cover the entire cooking surfaces or appliances.</i></p> <p><i>Installation reviewed; no deficiencies noted.</i></p>

TEXAS COMMISSION ON FIRE PROTECTION
Fire Inspector II
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill 11 – Classify the Occupancy Type	TEST		RETEST	
Classify the occupancy type, given a set of plans, specifications, and a description of a building, so that the classification is made according to applicable codes and standards. (5.4.1)				
The candidate:	S	U	S	U
a) Reviewed a set of plans, specifications and a building description				
b) Classified the occupancy type				
c) Indicated the applicable codes and standards				

Skill 12 – Compute the Occupant Load	TEST		RETEST	
Compute the maximum allowable occupant load, given a floor plan of a building or portion of the building, so that the calculated occupant load is in accordance with applicable codes and standards. (5.4.2)				
The candidate:	S	U	S	U
a) Reviewed a floor plan of a building or portion of a building				
b) Identified occupant load factors related to the occupancy type				
c) Computed the occupancy load using a calculator and the appropriate measuring tools				
d) Indicated the applicable codes and standards				

TEXAS COMMISSION ON FIRE PROTECTION
Fire Inspector II
Performance Standards

Skill 13 – Review Installation of FP Systems	TEST		RETEST	
<p>Review the proposed installation of fire protection systems, given shop drawings and system specifications for a process or operation, so that the system is reviewed for code compliance and installed in accordance with the approved drawings and all deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the jurisdiction. (5.4.3)</p> <p>Review the installation of fire protection systems, given an installed system, shop drawings, and system specifications for a process or operation, so that the system is reviewed for code compliance and installed in accordance with the approved drawings and deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the jurisdiction. (5.4.4)</p>				
The candidate:	S	U	S	U
a) Read basic floor plans or shop drawings to identify symbols and elements of the fire protection system.				
b) Used applicable codes and standards to identify deficiencies in the plan and installation.				
c) Documented and reported all deficiencies in accordance with the policies of the jurisdiction				

TEXAS COMMISSION ON FIRE PROTECTION
Fire Inspector II
 Performance Standards

Skill 14 – Verify Means of Egress Elements	TEST		RETEST	
Verify that means of egress elements are provided, given a floor plan of a building or portion of a building, so that all elements are identified and checked against applicable codes and standards and any deficiencies are discovered and communicated in accordance with the policies of the jurisdiction. (5.4.5)				
The candidate:	S	U	S	U
a) Determined whether the egress components in the building aligned with the plan				
b) Identified the egress elements in the building plan				
c) Used applicable codes and standards to determine compliance				
d) Identified and documented deficiencies in the egress elements				

Skill 15 – Verify Construction Type	TEST		RETEST	
Verify the construction type of a building or portion thereof, given a set of approved plans and specifications, so that the construction type complies with the approved plans and applicable codes and standards. (5.4.6)				
The candidate:	S	U	S	U
a) Used approved plans and specifications to identify the building's construction type				
b) Identified two characteristics of the building's construction type				
c) Used applicable codes and standards to determine compliance				

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Examiner/Candidate Comments:

TEXAS COMMISSION ON FIRE PROTECTION
Fire Inspector II
Performance Standards

<hr/> Certifying Examiner	<hr/> Date	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
<hr/> Re-Test Certifying Examiner	<hr/> Date	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>