



**Standardized Curriculum Form  
Ontario, Canada**

**Office of the Fire Marshal and Emergency Management  
Curriculum based on  
NFPA 1031, Chapter 5, 2014 Edition**

**FIRE INSPECTOR II**

**National Fire Protection Association Standard for  
Fire Inspector and Plan Examiner Professional Qualifications**

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**June 2017**

## Components of the OFMEM Academic Standards and Evaluation Unit Standardized Curriculum Form

The OFMEM Academic Standards and Evaluation Unit Standardized Curriculum Forms in Ontario, Canada, are based on internationally-recognized, competency-based, professional qualification standards through the National Fire Protection Association (NFPA). Columns within this form from pages 4 and onward are composed of:

### NFPA Objective

National Fire Protection Association Objectives are major competencies and Job Performance Requirements (JPR) within a professional qualifications standard that learners must acquire before successful completion of voluntary testing and certification. To attain these competencies, the OFMEM is offering flexible training delivery models centered on being accessible, attainable, and affordable.

### Requisite Knowledge

As defined in published NFPA Professional Qualifications Standards, Requisite Knowledge is “Fundamental knowledge one must have in order to perform a specific task”. This can be acquired by referring to the various suggested readings described below. Information used to construct multiple choice test questions in the Provincial Certification Exam for FIRE INSPECTOR II is derived from these materials.

### Requisite Skills

As defined in published NFPA Professional Qualifications Standards, Requisite Skills are “The essential skills one must have in order to perform a specific task”. This can be acquired by referring to the various suggested readings described below along with the latest version of the Office of the Fire Marshal and Emergency Management’s Skills Sheets Booklet for FIRE INSPECTOR II. This booklet is used by Provincial Examiners to evaluate Requisite Skill requirements for those voluntarily seeking certification to NFPA 1031, Chapter 5, 2014 Edition.

### Suggested Readings

A total of 50 multiple choice questions in the Provincial Certification Exam for FIRE INSPECTOR II (NFPA 1031-2014) will appear on the test, and are derived from the following suggested readings:

<u>Publisher/Title/Edition</u>	<u>Key Word Reference</u>
1. NFPA 1031, <i>Standard for Professional Qualifications for Fire Inspector and Plan Examiner</i> , 2014 Edition <ul style="list-style-type: none"><li>Refer to Chapter 5 regarding Fire Inspector II (pgs. 10 - 13)</li></ul>	NFPA 1031, 2014 Ed.
2. IFSTA, <i>Fire Inspection and Code Enforcement</i> , 8 <sup>th</sup> Edition <ul style="list-style-type: none"><li>Refer to sections within chapters covering Fire Inspector II material</li></ul>	IFSTA FICE, 8 <sup>th</sup> Ed.
<b>OR</b>	
3. Jones and Bartlett, <i>Fire Inspector, Principles and Practice</i> , 1 <sup>st</sup> Edition <ul style="list-style-type: none"><li>Refer to sections within chapters covering Fire Inspector II material</li></ul>	J&B FIPP, 1 <sup>st</sup> Ed.
<b>AND</b>	
4. <i>Fire Protection and Prevention Act, 1997</i> (within 2015 Ontario Fire Code Compendium) <ul style="list-style-type: none"><li>Refer to Part II - Responsibility for Fire Protection Services (pgs. 8 - 12), Part VI - Inspections (pgs. 19 - 25), and Part XII - Miscellaneous (pgs. 56 - 58)</li></ul>	FPPA, 1997
5. <i>2015 Ontario Fire Code Compendium</i> <ul style="list-style-type: none"><li>Refer to Division A - Part 1 (pgs. 79 - 89); Division B - Part 1 (pgs. 101 - 111), Part 2 (pgs. 113 - 134), Part 3 (pgs. 135 - 150), Part 4 (pgs. 151 - 211), Part 5 (pgs. 213 - 245), and Part 6 (pgs. 247 - 269)</li></ul>	Fire Code, 2015
6. <i>2012 Ontario Building Code Compendium</i> <ul style="list-style-type: none"><li>Refer to Division B - Part 3, Sections 3.1 to 3.2 (pgs. 3 - 111)</li></ul>	Building Code, 2012

### Knowledge Test Weighting (Out of 100%)

This column references percentage of multiple choice questions that will appear on the Provincial Certification Exam for knowledge-based testing for FIRE INSPECTOR II.

Questions are validated by a Provincial Advisory Committee (PAC), and used for voluntary, knowledge-based testing of those seeking certification to NFPA 1031, Chapter 5, 2014 Edition through the Academic Standards and Evaluation Unit of the Office of the Fire Marshal and Emergency Management. A mark of 70% or better is required to receive a “Pass” on the knowledge test.

### Skill Sheet #

This column references skill objectives that will be evaluated by the Office of the Fire Marshal and Emergency Management, to test Requisite Skill requirements of FIRE INSPECTOR II for those voluntarily seeking certification to NFPA 1031, Chapter 5, 2014 Edition.

**Office of the Fire Marshal and Emergency Management  
Provincial Advisory Committee for FIRE INSPECTOR II**

**NFPA 1031, Chapter 5, 2014 Edition**

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# OFMEM Academic Standards and Evaluation Unit Standardized Curriculum Form



**Course: FIRE INSPECTOR II**

**Standard: NFPA 1031, Chapter 5, 2014 Edition**

NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
<b>5.1* General</b>					
The Fire Inspector II shall meet the job performance requirements defined in Chapter 4 and Sections 5.2 through 5.4.					
<b>5.2* Administration</b>					
This duty involves conducting research, interpreting codes, implementing policy, testifying at legal proceedings, and creating forms and job aids, according to the following job performance requirements.					
<b>5.2.1</b>					
Process a permit application, given a specific request.	Permit application process	The application of the requisite knowledge	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 2</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 1</b>  <b>FPPA, 1997 Part II</b>	<b>2% of questions</b>	<b>Skill Sheet #1</b>
	Applicable codes				
	Applicable standards				
	Applicable policies and procedures of the jurisdiction				
<b>5.2.2</b>					
Process a plan review application, given a specific request.	Plan review application process	The ability to communicate orally and in writing on matters related to code requirements	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 15</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 6</b>  <b>Building Code, 2012 Division B - Part 3</b>	<b>4% of questions</b>	<b>Skill Sheet #2</b>
	Code requirements of the jurisdiction	Policies and procedures of the jurisdiction			
	Policies and procedures of the jurisdiction				



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
<b>5.2.3*</b>					
Investigate complex complaints, given a reported situation or condition.	Applicable codes and standards adopted by the jurisdiction	The ability to interpret codes and standards	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 16</b>	<b>2% of questions</b>	<b>Skill Sheet #3</b>
	Policies of the jurisdiction	The ability to recognize problems The ability to refer complaints to other agencies when required	<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 5</b>		
<b>5.2.4*</b>					
Recommend modifications to the adopted codes and standards of the jurisdiction, given a fire safety issue.	State statutes or local ordinances establishing or empowering the agency to adopt, enforce, and revise codes and standards	The ability to recognize problems	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 1, 2</b>	<b>2% of questions</b>	<b>Skill Sheet #4</b>
	The legal instruments establishing or adopting codes and standards The development and adoption process for fire and life safety legislation or regulations	Collect and develop potential solutions Identify cost/risk benefits	<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Appendix A</b>		
<b>5.2.5*</b>					
Recommend policies and procedures for the delivery of inspection services, given management objectives.	Policies and procedures of the jurisdiction related to code enforcement	The ability to identify approved construction methods and materials related to fire safety	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 1</b>	<b>4% of questions</b>	<b>Skill Sheet #5</b>
	Sources of detailed and technical information relating to fire protection and life safety	Read and interpret construction plans and specifications	<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 5</b>		
		Educate	<b>FPPA, 1997 Part VI</b>		
		Conduct research Make decisions Recognize problems Resolve conflicts	<b>Part XII</b>		
<b>5.3 Field Inspection</b>					
This duty involves code enforcement inspections and analyses of new and existing structures and properties for construction, occupancy, fire protection, and exposures, according to the following job performance requirements.					
<b>5.3.1</b>					
Compute the maximum allowable occupant load of a multi-use building, given field observations	How to calculate occupant loads for an occupancy and for building use	The ability to calculate occupant loads	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 7</b>	<b>6% of questions</b>	<b>Skill Sheet #6</b>



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
or a description of its uses.					
	Code requirements, regulations, operational features presented by various occupancies	Identify occupancy factors related to various occupancy classifications	<b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapters 3, 7</b>  <b>Fire Code, 2015</b> <b>Division A - Part 1</b> <b>Division B - Part 2</b>		
	Fire hazards presented by various occupancies	Use measuring tools			
		Read plans Use a calculator			
<b>5.3.2*</b>					
Identify the occupancy classifications of a mixed-use building, given a description of the uses.	Occupancy classification	The ability to interpret code requirements and recognize building uses that fall into each classification of occupancy types	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 4, 7</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapters 3, 5</b>  <b>Fire Code, 2015</b> <b>Division A - Part 1</b> <b>Division B - Part 2</b>	<b>6% of questions</b>	<b>Skill Sheet #7</b>
	Applicable codes and standards		<b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapters 3, 5</b>  <b>Fire Code, 2015</b> <b>Division A - Part 1</b> <b>Division B - Part 2</b>		
	Operational features				
	Fire hazards presented by various occupancies				
<b>5.3.3*</b>					
Evaluate a building's area, height, occupancy classification, and construction type, given an approved set of plans and construction features.	Building construction with emphasis on fire-rated construction	The ability to identify characteristics of each type of building construction and occupancy classification	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 5, 7</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapter 6</b>  <b>Building Code, 2012</b> <b>Division B - Part 3</b>	<b>6% of questions</b>	<b>Skill Sheet #2</b>
	Evaluation of methods of construction and assemblies for fire rating		<b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapter 6</b>  <b>Building Code, 2012</b> <b>Division B - Part 3</b>		
	Analysis of test results				
	Manufacturer's specifications				
<b>5.3.4*</b>					
Evaluate fire protection systems and equipment provided for life safety and property protection, given field observations of the facility and documentation, the hazards protected, and the system specifications.	Applicable codes and standards for fire protection systems	The ability to recognize problems	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 12, 14</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapter 9</b>  <b>Fire Code, 2015</b> <b>Division B - Part 6</b>	<b>6% of questions</b>	<b>Skill Sheet #8</b>
	Basic physical science as it relates to fire behavior and fire suppression	Use codes and standards	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 12, 14</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapter 9</b>  <b>Fire Code, 2015</b> <b>Division B - Part 6</b>		
	Implications and hazards associated with system operation	Read reports			



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	Installation techniques and acceptance inspection	Read plans			
	Testing and reports of maintenance of completed installations	Read specifications			
	Use and function of various systems				
<b>5.3.5</b>					
Analyze the egress elements of a building or portion of a building, given observations made during a field inspection.	Acceptable means of egress devices	The ability to calculate egress requirements	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 7</b>	<b>2% of questions</b>	<b>Skill Sheet #9</b>
		Read plans	<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 7</b>		
		Make decisions related to the adequacy of egress	<b>Fire Code, 2015 Division B - Part 2</b>		
<b>5.3.6*</b>					
Evaluate hazardous conditions involving equipment, processes, and operations, given field observations and documentation.	Applicable codes and standards	The ability to observe	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 3, 9, 10</b>	<b>6% of questions</b>	<b>Skill Sheet #10</b>
	Accepted fire protection practices	The ability to communicate	<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapters 11, 13</b>		
	Fire behavior	The ability to interpret codes			
	Ignition sources	The ability to recognize problems			
	Safe housekeeping practices	The ability to make decisions	<b>Fire Code, 2015 Division B - Part 1 Division B - Part 5</b>		
	Additional reference materials related to protection of hazardous processes				
	Additional reference materials related to code enforcement				
<b>5.3.7*</b>					
Evaluate emergency planning and preparedness procedures, given existing or proposed plans and procedures and applicable codes and standards.	Occupancy requirements for emergency evacuation plans	The ability to compare submitted plans and procedures with applicable codes and standards adopted by the jurisdiction	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapter 16</b>	<b>6% of questions</b>	<b>Skill Sheet #11</b>
	Fire safety programs for crowd control		<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 7</b>		
	Roles of agencies and individuals in implementation and development of emergency plans		<b>Fire Code, 2015 Division B - Part 2</b>		



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
<b>5.3.8</b>					
Verify code compliance for storage, handling, and use of flammable and combustible liquids and gases, given field observations and inspection guidelines from the authority having jurisdiction.	Flammable and combustible liquids properties and hazards	The ability to identify typical fire hazards associated with processes or operations utilizing flammable and combustible liquids	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 3, 9, 12</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 12</b>  <b>Fire Code, 2015 Division B - Part 2 Division B - Part 3 Division B - Part 4 Division B - Part 5</b>	<b>6% of Questions</b>	<b>Skill Sheet #12</b>
	Material safety data sheet	Observe			
	Safe handling practices	Communicate			
	Applicable codes and standards	Interpret codes			
	Fire protection systems and equipment approved for the material	Recognize problems			
	Fire behavior	Make decisions			
	Safety procedures Storage compatibility				
<b>5.3.9</b>					
Evaluate code compliance for the storage, handling, and use of hazardous materials, given field observations.	Hazardous materials properties and hazards	The ability to identify fire hazards associated with processes or operations utilizing hazardous materials	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 3, 9, 12</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 12</b>  <b>Fire Code, 2015 Division B - Part 4</b>	<b>2% of questions</b>	<b>Skill Sheet #13</b>
	Material safety data sheet	Observe			
	Safe handling practices	Communicate			
	Applicable codes and standards	Interpret codes			
	Fire protection systems and equipment approved for the material	Recognize problems			
	Fire behavior	Make decisions			
	Safety procedures Chemical reactions Storage compatibility				
<b>5.3.10*</b>					
Determine fire growth potential in a building or space, given field observations or plans.	Basic fire behavior	The ability to observe	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 3, 5</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 5</b>  <b>Fire Code, 2015</b>	<b>4% of questions</b>	<b>Skill Sheet #14</b>
	Flame spread and smoke development ratings of contents	Communicate			
	Flame spread and smoke development ratings of interior finishes	Interpret codes and standards			
	Flame spread and smoke development ratings of	Recognize hazardous conditions			





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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	building construction elements Flame spread and smoke development ratings of decorations Flame spread and smoke development ratings of decorative materials Flame spread and smoke development ratings of furnishings Safe housekeeping practices	Make decisions	<b>Division A - Part 1</b>  <b>Building Code, 2012</b> <b>Division B - Part 3</b>		
<b>5.3.11*</b>					
Verify compliance with construction documents, given a performance-based design.	Applicable codes and standards for installation and testing of fire protection systems	Ability to witness and document tests of fire protection systems and building services equipment	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 7, 9, 12</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapters 6, 9</b>  <b>Building Code, 2012</b> <b>Division B - Part 3</b>	<b>4% of questions</b>	<b>Skill Sheet #15</b>
	Means of egress Building services equipment				
<b>5.3.12*</b>					
Verify code compliance of heating, ventilation, air conditioning, and other building service equipment and operations, given field observations.	Types, installation, maintenance, and use of building service equipment	The ability to observe	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 6, 9</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapters 5, 11, 12</b>  <b>Fire Code, 2015</b> <b>Division A - Part 1</b> <b>Division B - Part 2</b>	<b>6% of questions</b>	<b>Skill Sheet #15</b>
	Operation of smoke and heat vents Installation of kitchen cooking equipment (including hoods and ducts) Installation of laundry chutes Installation of elevators Installation of escalators Applicable codes and standards adopted by the jurisdiction	Recognize problems Interpret codes and standards Write reports			
<b>5.4 Plans Review</b>					
This duty involves field verification of shop drawings, plans, and construction documents to ensure that they meet the intent of applicable					



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
codes and standards for fire and life safety, according to the following job performance requirements.					
<b>5.4.1*</b>					
Classify the occupancy type, given a set of plans, specifications, and a description of a building.	Occupancy classification	The ability to read plans	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 7, 15</b>	<b>4% of questions</b>	<b>Skill Sheet #2</b>
	Applicable codes and standards		<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 6</b>		
	Regulations		<b>Building Code, 2012 Division B - Part 3</b>		
	Operational features				
	Fire hazards presented by various occupancies				
<b>5.4.2*</b>					
Compute the maximum allowable occupant load, given a floor plan of a building or portion of the building.	How to calculate occupant loads for an occupancy and building use	The ability to calculate accurate occupant loads	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 7, 15</b>	<b>4% of questions</b>	<b>Skill Sheet #6</b>
	Code requirements	Identify occupancy factors related to various occupancy classifications	<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapter 7</b>		
	Regulations	Using measuring tools	<b>Fire Code, 2015 Division B - Part 2</b>		
	Operational features such as fixed seating	Read plans			
	Fire hazards presented by various occupancies	Use a calculator			
<b>5.4.3*</b>					
Review the proposed installation of fire protection systems, given shop drawings and system specifications for a process or operation.	Proper selection, distribution, location, and testing of portable fire extinguishers	The ability to read basic floor plans or shop drawings and identify symbols used by the jurisdiction.	<b>IFSTA FICE, 8<sup>th</sup> Ed. Chapters 11, 12, 13, 14, 15</b>	<b>8% of questions</b>	<b>Skill Sheet #8</b>
	Methods used to evaluate the operational readiness of water supply systems used for fire protection		<b>J&amp;B FIPP, 1<sup>st</sup> Ed. Chapters 6, 9</b>		
	Evaluation and testing of automatic sprinkler systems		<b>Fire Code, 2015 Division B - Part 2 Division B - Part 3 Division B - Part 6</b>		
	Evaluation and testing of water spray systems				
	Evaluation and testing of standpipe systems				
	Evaluation and testing of fire pumps				
	Evaluation and testing of fixed fire suppression systems				
	Evaluation and testing of automatic fire detection				



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	and alarm systems and devices				
<b>5.4.4</b>					
Review the installation of fire protection systems, given an installed system, shop drawings, and system specifications for a process or operation.	Proper selection of portable fire extinguishers	The ability to read basic floor plans or shop drawings	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 12, 13, 14, 15</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapters 6, 9</b>  <b>Fire Code, 2015</b> <b>Division B - Part 5</b> <b>Division B - Part 6</b>	<b>4% of Questions</b>	<b>Skill Sheet #8</b>
	Proper distribution of portable fire extinguishers				
	Proper location of portable fire extinguishers				
	Proper testing of portable fire extinguishers				
	Methods used to evaluate the operational readiness of water supply systems used for fire protection				
	Evaluation and testing of automatic sprinkler systems				
	Evaluation and testing of water spray systems				
	Evaluation and testing of standpipe systems				
	Evaluation and testing of fire pumps				
	Evaluation and testing of fixed fire suppression systems				
	Evaluation and testing of automatic fire detection and alarm systems and devices				
<b>5.4.5</b>					
Verify that means of egress elements are provided, given a floor plan of a building or portion of a building.	Applicable codes and standards adopted by the jurisdiction	The ability to read plans	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 7, 15</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapter 7</b>	<b>2% of questions</b>	<b>Skill Sheet #9</b>
	The identification of standard symbols used in plans	Research codes and standards			
	Field verification practices				
<b>5.4.6*</b>					
Verify the construction type of a building or portion thereof, given a set of approved plans and specifications.	Building construction with emphasis on fire-rated construction	The ability to identify characteristics of each type of building construction	<b>IFSTA FICE, 8<sup>th</sup> Ed.</b> <b>Chapters 5, 6</b>  <b>J&amp;B FIPP, 1<sup>st</sup> Ed.</b> <b>Chapter 6</b>  <b>Fire Code, 2015</b> <b>Division A - Part 1</b>	<b>4% of questions</b>	<b>Skill Sheet #16</b>
	Evaluation of methods of construction and assemblies for fire rating				
	Analysis of test results				
	Manufacturer's specifications				



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NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
			Building Code, 2012 Division B - Part 3		