

Certification: Residential Fire Sprinkler Inspector/Plans Examiner

Exam ID: RF

- 60 multiple-choice questions
- 2-hour limit
- Open book



01	Sprinkler Components	5%
0101	<u>Documentation of Sprinkler Components</u> Review documentation that the sprinklers and all components are acceptable for use on system, according to applicable listings.	5%
02	Piping Components	5%
0201	<u>Documentation of Piping Components</u> Review documentation that the piping and fittings are acceptable for use on system, according to applicable listings.	5%
03	Water Supply	10%
0301	<u>Testing</u> Document that the water pressure test and flow test proved that the water supply meets the requirements needed for the system.	7%
0302	<u>Capacity and Storage</u> Verify that private water supply systems have the capacity required or that a storage system is in place.	3%
04	System Design	37%
0401	<u>Layout</u> Review drawings showing the sprinkler layout for combined or standalone systems.	5%
0402	<u>Spacing and Positioning</u> Review drawings showing that sprinklers are correctly spaced and positioned for coverage of the entire building.	8%
0403	<u>Coverage</u> Verify that obstructions and equipment have been considered and coverage is complete.	8%
0404	<u>Calculations</u> Review hydraulic calculations to ensure that flow rate and pressure are adequate for the system to function as per system design.	11%
0405	<u>Components</u> Verify proper components are specified for the system.	5%

05	Installation	43%
0501	<u>Permitting</u> Verify proper permits and approved plans are onsite.	3%
0502	<u>Inspection</u> Inspect to ensure piping and components are installed in accordance with the approved plans and manufacturer's specifications.	10%
0503	<u>Installation</u> Verify the sprinklers are installed per the design and listing.	8%
0504	<u>Protection</u> Verify physical and freeze protection of the sprinkler system has been provided.	7%
0505	<u>Cutting and Notching</u> Verify cutting and notching of the structure is in accordance with code requirements.	3%
0506	<u>Testing</u> Witness and document system testing for pre-concealment and final inspection.	12%