

CWBSB Exam Weighted Criteria Table

The following table indicates the approximate percentage (%) of exam content (exam items) for the four (4) major domain areas and the components of those domain areas:

I.	Project Development	15%
	<ul style="list-style-type: none">a. Understand Project Scopeb. Identify Occupancy Typec. Review Contract Documentsd. Evaluate plans and specificationse. Submittal and Approval Requirements	
II.	Survey Existing Systems	15%
	<ul style="list-style-type: none">a. Review plansb. Evaluate existing fire protection systemsc. Evaluate existing system componentsd. Identify fire protection needs and constraintse. Evaluate inspection, testing, and maintenance resultsf. Verify compliance with contract, codes, and standardsg. Coordinate interfaces with other fire protection systems	
III.	Design System Layouts	40%
	<ul style="list-style-type: none">a. Determine appropriate water-based system typeb. Evaluate water supply for all water-based systemsc. Design systems<ul style="list-style-type: none">i. Underground systemii. Fire pump systemiii. Tank systemiv. Standpipe systemv. Sprinkler systemd. Design hangers and bracinge. Evaluate a materials and fabrication listf. Verify compliance with contract, codes, and standardsg. Coordinate interfaces with other fire protection systemsh. Field test system	
IV.	Hydraulic Calculations	30%
	<ul style="list-style-type: none">a. Understand hydraulic formulas<ul style="list-style-type: none">i. Friction lossii. Pressureiii. Flow Rateb. Apply Hydraulic design methods<ul style="list-style-type: none">i. Roomii. Density/Areaiii. CMSAiv. ESFRv. Residentialvi. Standpipec. Evaluate hydraulically Most Remote Calculation Area	