

COURSE SYLLABUS

PROVIDER:

AIA Florida
104 East Jefferson Street
Tallahassee, FL 32301
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COURSE TITLE:

FBC Advanced Course #1118.0
Advanced FBC 7th Edition (2020) – The Five Walls of FBC, A Guide to Fire-Resistance & Fire Protection

NUMBER OF CLASSROOM HOURS:

2 Hours – 2 CEU Course

COURSE DESCRIPTION:

As adopted in the Florida Building Codes, 7th Edition (2020), this course is designed to equip design teams with a working knowledge of the five walls of the FBC. Classroom attendees will learn the prescriptive differences between wall ratings (fire-resistance), opening protective ratings (fire protection), and how each perform in passive redundant systems. At the end of the course, each student will better understand the specific use of each wall, its opening protectives and applications within the framework of code compliance. Test criteria for fire-resistance and opening protection will be illustrated and fully explained as applies to current code requirements.

The course will be presented with a combination of slides, verbal explanations, poignant case study and laboratory illustrations, personal hands-on testimony - all through a unique style of teaching built upon a familiar chain of reasoning. In other words, building code compliance presented so that all can understand and apply.

CODE EDITION:

Florida Building Codes 7th Edition (2020).

TIMELINE:

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| 1. Overview of the five walls and how they differ from the Legacy Codes | 3 minutes |
| 2. Definition & purpose of a fire resistance rating | 5 minutes |
| 3. Unwritten principle of Passive Redundancy | 3 minutes |
| 4. Definition & purpose of a fire protection rating | 5 minutes |
| 5. Opening protectives within the five walls | 5 minutes |
| 6. UL10B/NFPA 252 test criteria defined | 5 minutes |
| 7. Definition & purpose of the hose stream criteria | 6 minutes |
| 8. Fire label without hose stream | 5 minutes |
| 9. Temp Rise/NFPA 252 test criteria defined | 5 minutes |

10. E119 test criteria defined	5 minutes
11. UL10C/NFPA 252 test criteria defined	5 minutes
12. Fire Wall, Definition & purpose	6 minutes
13. Fire Wall, Openings & protectives	10 minutes
14. Fire Wall & openings, example	10 minutes
15. Fire Barrier wall, definition & purpose	6 minutes
16. Fire Barrier wall, openings & protectives	10 minutes
17. Smoke Barrier wall, Definition & purpose	6 minutes
18. Smoke Barrier wall, Openings protectives	10 minutes
19. Smoke Partition wall, Definition, purpose & opening protectives	10 minutes

Total Time 120 minutes

Method of Presentation: This course will be a recorded version of a live seminar.

Method of Evaluation: The presentation will be followed by a 20-question quiz that will be required for completion along with a signed affidavit.

SPECIFIC COURSE LEARNING OBJECTIVES:

- Develop an understanding and working knowledge of the five walls and their specific purposes as defined in the FBC
- Know the difference between a fire-resistance rating and a fire protection rating
- Explore the test provisions for wide-span opening protectives
- Investigate the reasoning behind the opening protective requirements for all five walls
- Develop a solid familiarity with where to apply each of the five walls in project designs