



ICC EDUCATIONAL PROVIDER PROGRAM OUTLINE

FIRE DOOR SYSTEMS, A GUIDE TO CODE COMPLIANCE *Fundamental Guideline Principles in Chapters 3 - 10, IBC*

DEFINITIONS:

Fire Walls - Section 706, Definition, Ratings, Opening Protective Guidelines, Applications
Fire Barriers - Section 707, Definition, Ratings, Opening Protective Guidelines, Applications
Fire Partitions - Section 709, Definition, Ratings, Opening Protective Guidelines, Applications
Smoke Barriers - Section 710, Definition, Ratings, Opening Protective Guidelines, Applications
Smoke Partitions - Section 711, Definition, Ratings, Opening Protective Guidelines, Applications

Opening Protectives - UL10B, UL10C, UL10D - A discussion regarding positive pressure testing

OPENING PROTECTIVE APPLICATIONS

Elevator Separation
Elevator Lobby - Section 708.14.1, Review of charging language and Exceptions, case studies
Elevator Smoke & Draft - Sections 708.14.1, Exception #3, 715.4.3.1 & 3002.6, case studies

Exit Access Separation
Horizontal Exit - Section 1025 & 3 fundamental guideline principles, case studies
Exit Passageway - Section 1023, case studies
Pedestrian Walkways & Tunnels - Section 3104 & 4 fundamental guideline principles, case studies

Vertical Opening Separation
Fundamental Guidelines - Sections 708; 1016; 1021 & 1022
Non-Egress Stairs - Sections 708.2; 1016.1; 1021.1, case studies
Shaft Enclosures - Section 708.2, Exception 2.1 & 2.2, case studies
(Vertical) Exit Enclosures - Section 1022, case studies
Atriums - Section 404; NFPA 92A & 92B, case studies
Vertical Compartmentation - Combined code principles from chapters 4; 7 & 10, case studies

Occupancy Separation
Fundamental Guidelines - Section 508
Mixed occupancy-Accessory use - Section 508.2, case studies
Mixed occupancy use & Non-separated vs separated use - Section 508 & Table 508.4, case studies

Area Separation
Allowable area - Section 706 & Table 503, case studies

Corridor Separation
Healthcare - Section 407.2.4, case studies

Smoke Compartments
Healthcare - Section 1014.2.2, case studies

Smoke Barriers
Healthcare - Section 710, case studies

David has been involved in the construction industry since 1975. With an early extensive background in project estimating and management and a bachelor's degree in business management, David soon realized a great deal of success in building product marketing and sales. In this venue he found his passion, building code development and architectural design compliance. Since 1988, he has assisted architectural firms in understanding and implementing the provisions of the model codes as they pertain to fire and life safety. He has particularly focused on the fire door industry promoting cutting edge technology to resolve code compliance challenges. David is a corporate member of the International Code Council (ICC) and has earned his Construction Document Technologist (CDT) from the Construction Specifications Institute. He has served on several ICC committees, both local and national, for the adoption and implementation of the International Building Code throughout the nation. With over 20 years of experience in the building code arena, he is a recognized speaker and instructor teaching the fire and life safety provisions of the model codes to design professionals and regulatory officials. Featuring 26 fire-rated assembly products, McKeon Door Company has brought David to the team in order to assist design professionals and product representatives with code and design compliance challenges.

www.McKeonDoor.com



David Dodge
McKeon Door Company

