

**Fire Inspector Certification
Program**

**New Jersey Uniform Fire Code
Inspector Training Program**

Module 8 General Fire Hazards Recognition 2



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Chapter 5




FIRE SERVICE FEATURES

- 501 General
- 502 Definitions
- 503 Fire Apparatus Access Roads
- 504 Access to Building Openings & Roof
- 505 Premises Identification
- 506 Key Boxes
- 507 Fire Protection Water Supplies
- 508 Fire Command Center
- 509 Fire Department Access to Equipment
- 510 Emergency responder radio coverage

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503 Fire Lane

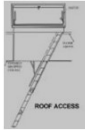
503.1.1
503.1.1.1
503.2.4 Turning Radius
503.6 Security gates



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504 Access to Building Openings & Roof

- 504.1 UCC
- 504.2 UCC
- 504.3 UCC



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505 Premise Identification

- Address numbers
- Street & Road Signs



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506 Key Boxes

- Where required
- Locks
- Maintenance



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507 Hazards to Firefighters

- 507.1 Trapdoors
- 507.2 Shaftways Interior & Exterior
- 507.3 Pitfalls



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507 Fire Protection Water Supplies

- 507.2 type of water supplies
- 507.3 Fire Flow
- 507.4 Water Supply test
- 507.5 Fire Hydrant systems



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508 Fire Command Center

- 508.1 Where required
 - Access required
 - Features required
 - Specifies building information card



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509 Fire protection and utility equipment identification and access

- Identification labels and signs required
- Fire department access required



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510 Emergency responder radio coverage

- This section exists to assure maintenance of communications equipment installed under the UCC
- These installations began under IBC 2015 NJ Edition

There is no authority to upgrade existing buildings

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Chapter 6

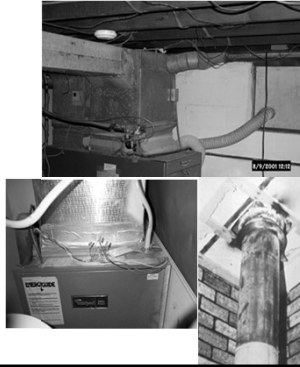
BUILDING SERVICES & SYSTEMS

- 601 General
- 602 Definitions
- 603 Fueled fire appliances
- 604 Emergency & Standby power systems
- 605 *Electrical Equipment, Wiring and Hazards (Critical)*
- 606 Mechanical Refrigeration
- 607 Elevator Recall & Maintenance
- 608 Stationary Storage Battery Systems
- 609 *Commercial Kitchen Hoods (Critical)*
- 610 *Commercial Kitchen cooking oil storage (NEW)*
- 611 *Hyperbaric facilities (NEW)*

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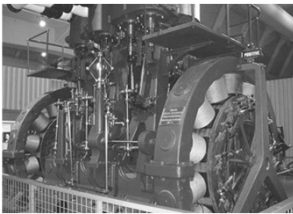
603 Fuel Fired Appliances

- Installation
- Maintenance
- Fuel Storage capacity, location
- Access
- Testing
- Clearances



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604 Emergency & Stand-by Power Systems



Types, locations to include egress issues.



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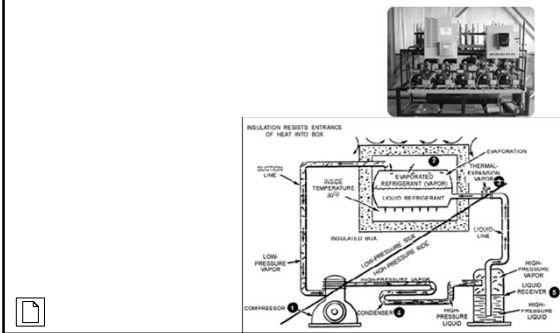
605 Electrical Equipment, Wiring & Hazards

- Abatement of electrical hazards
- Work Space Clearance
- Illumination
- Labeling



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606 Mechanical Refrigeration



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607 Elevator Recall and Maintenance



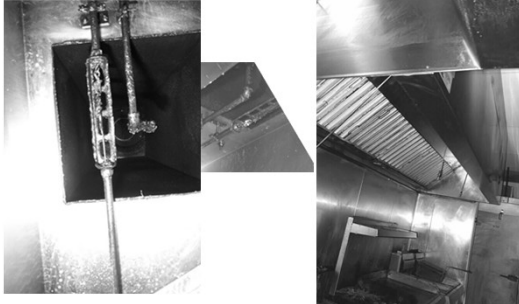
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608 Stationary Storage Battery Systems



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609 Commercial Kitchen Hoods



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610 Commercial Kitchen Cooking Oil Storage

■ **Section New Section**

- Provides requirements for storage tanks over 60 gallons, venting, surface design and electrical heating

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610 Commercial Kitchen Cooking Oil Storage

■ **Section New Section**

- Provides requirements for storage tanks over 60 gallons, venting, surface design and electrical heating

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611 Hyperbaric Facilities

New Section

Requires maintenance for these units primarily used in hospital wound treatment centers.

- Hyperbaric Oxygen Therapy (HBOT):
- Accelerates cellular renewal
- Supports growth of new blood vessels
- Promotes new tissue development
- Decreases swelling and inflammation

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Chapter 7

Fire Resistance-Rated Construction

- 701 General
- 702 Definitions
- 703 Fire Resistance-Rated Construction
- 704 Floor Openings and Shafts

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703 Fire Resistance-Rated Construction


Installation
Maintenance
Inspection/Testing



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704 Floor Openings & Shafts



 Article Construction Voids

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Chapter 8

Interior Finish, Decorative Materials & Furnishings

- 801 General
- 802 Definitions
- 803 Interior Wall & Ceiling Finish& Trim Existing Bldgs.
- 804 Interior Wall & Ceiling Finish& Trim in New & Existing Bldgs.
- 805 Upholstered Furniture & Mattresses in New & Existing Bldgs.
- 806 Decorative Vegetation in New & Existing Bldgs.
- 807 Decorative Materials other than Decorative Vegetation in New & Existing Bldgs.
- 808 Furnishing Other than upholstered Furniture and Mattresses or decorative materials Decorative in New & Existing Bldgs.

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803 Interior Wall & Ceiling Finish& Trim Existing Bldgs.



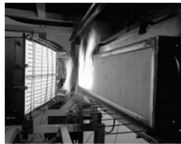
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804 Interior Wall & Ceiling Finish& Trim in New & Existing Bldgs.



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805 Upholstered Furniture & Mattresses in New & Existing Bldgs.



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Interior Finish



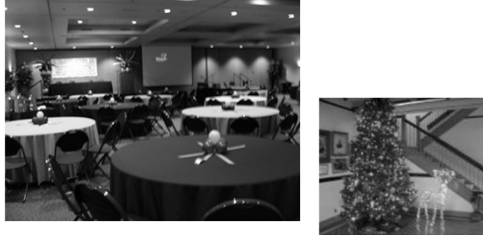
Untreated Vinyl



treated Vinyl

30

806 Decorative Vegetation in New & Existing Bldgs.



31

**807 Decorative Materials other than
Decorative Vegetation in New & Existing Bldgs.**

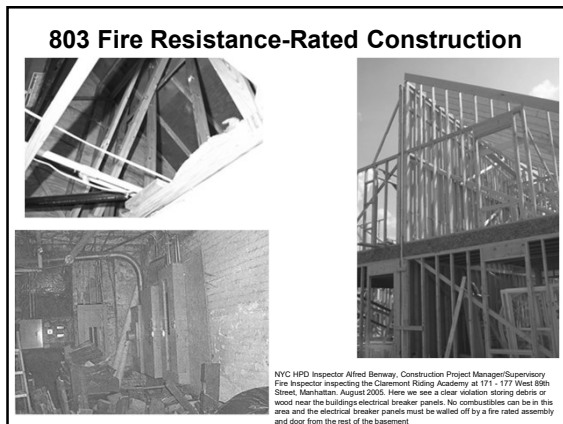


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**808 Furnishing Other than upholstered Furniture and
Mattresses or decorative materials Decorative in New & Existing Bldgs.**



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Summary

■ In this section we have discussed:

- FIRE SERVICE FEATURES
- BUILDING SERVICE FEATURES
- FIRE RESISTIVE RATINGS
- Interior Finish

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Review Questions

■ See student manual for Review questions

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End of Module

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