

▶ The Official Forum

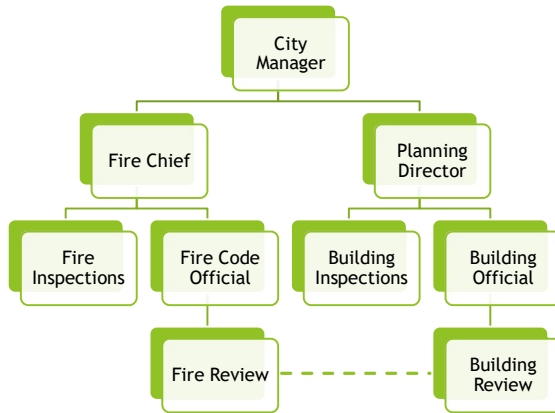
1

Code Authority if Given To

- ▶ **BUILDING OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of the *International Building Code*, or a duly authorized representative.
- ▶ **FIRE CHIEF.** The chief officer of the fire department serving the jurisdiction, or a duly authorized representative.
- ▶ **FIRE CODE OFFICIAL.** The fire chief or other designated authority charged with the administration and enforcement of the *International Fire Code*, or a duly authorized representative.

2

City of Tacoma Organization



3

My Organization

Draw your organization here:

4

Marshall, H. W. (1978) Schoolhouse Plan, 1978. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/ncr0009957/>.

Building Official

- ▶ Planning
- ▶ Public Works
- ▶ Dedicated Department
- ▶ Community and Economic Development
- ▶ Other


5

Fire Prevention

- ▶ Fire Code Official
- ▶ Inspectors
- ▶ Plan Review
- ▶ Fire Marshal

Rizzuto, A., photographer. (1959) Fire Chief. United States New York New York State, 1959. [May] [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2021636515/>.

6



Building Permits

What is the role of fire prevention in the building permit process?

Historic American Engineering Record, C., Grogan, B., photographer. (1968) Jet Propulsion Laboratory Edwards Facility, Weigh & Control Building, Edwards Air Force Base, Boron, Kern County, CA, Kern County California Boron, 1968. Documentation Compiled After. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/ca3008/>.

7

Chapter 9 Compliance

- ▶ Fire Sprinklers
- ▶ Fire Alarms
- ▶ Smoke Alarms
- ▶ Standpipes



Siegel, A. S., photographer. (1943) Bethlehem-Fairfield shipyards, Baltimore, Maryland. Fire alarm boxes. United States Maryland Baltimore, 1943. May. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2017853317/>.

8

Fire Systems Permits

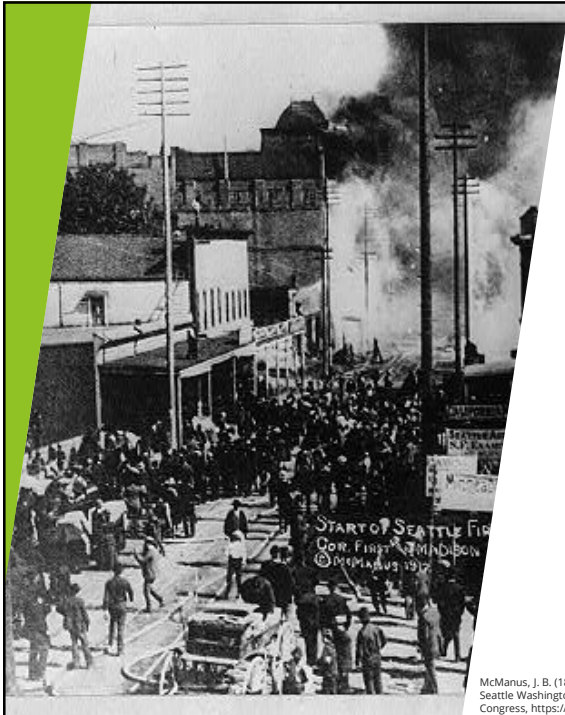
- ▶ Fire Sprinklers
- ▶ Fire Alarm
- ▶ Private Hydrant Systems
- ▶ Smoke Control
- ▶ Kitchen Hoods
- ▶ Clean Agent



9

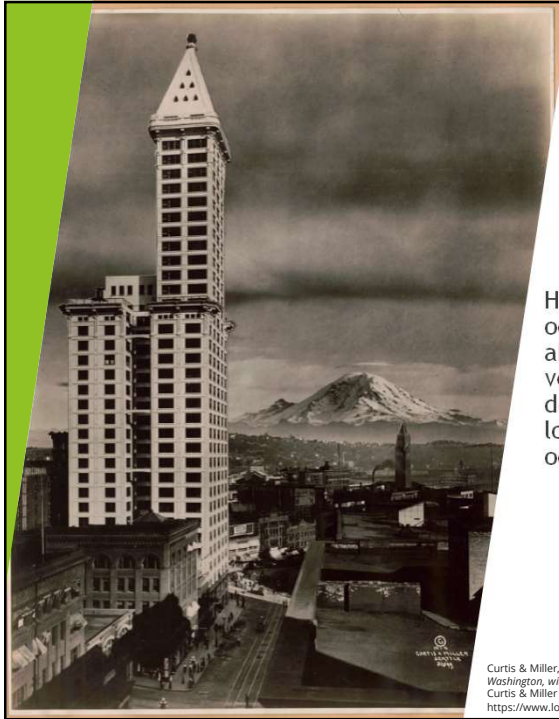
Smoke Control Systems

How do we coordinate on smoke control systems?



McManus, J. B. (1889) Start of Seattle fire, June 6, cor. First and Madison, Seattle Washington, 1889. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2012646416/>.

10

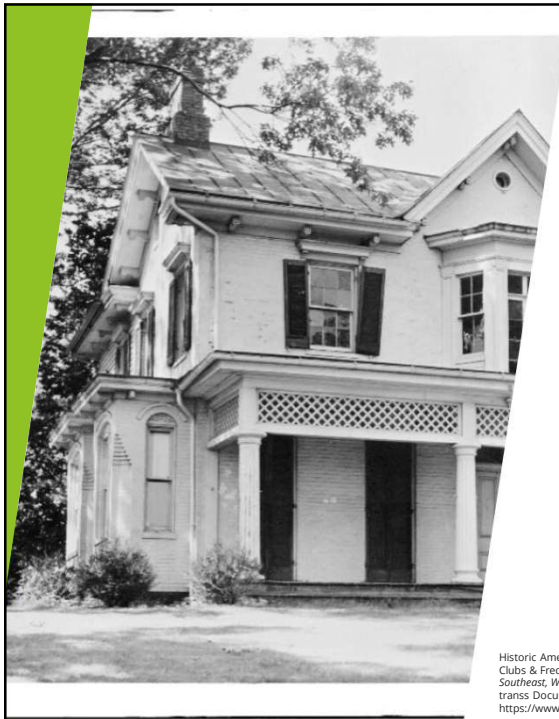


High-Rise Buildings

HIGH-RISE BUILDING. A building with an occupied floor located more than 75 feet above the lowest level of fire department vehicle access. For the purposes of this definition, an occupied roof with an occupant load of 50 or more is considered to be an occupied floor.

Curtis & Miller, photographer. (1914) L.C. Smith Building Pioneer Building, Seattle, Washington, with Mount Rainier in the background. Seattle Washington, 1914. Seattle: Curtis & Miller ; ©. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2016649919/>.


11



Existing Building Code

Historic American Buildings Survey, C. Douglass, F. Van Hook J., National Association Of Colored Women'S Clubs & Frederick Douglass Memorial & Historical Association. (1933) Frederick Douglass House.W Street Southeast, Washington, District of Columbia, DC. Washington D.C. Washington, 1933. Price, V. B. & Jandoli, L. transs Documentation Compiled After. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/dc0092/>.

12



Fire Operational Permits

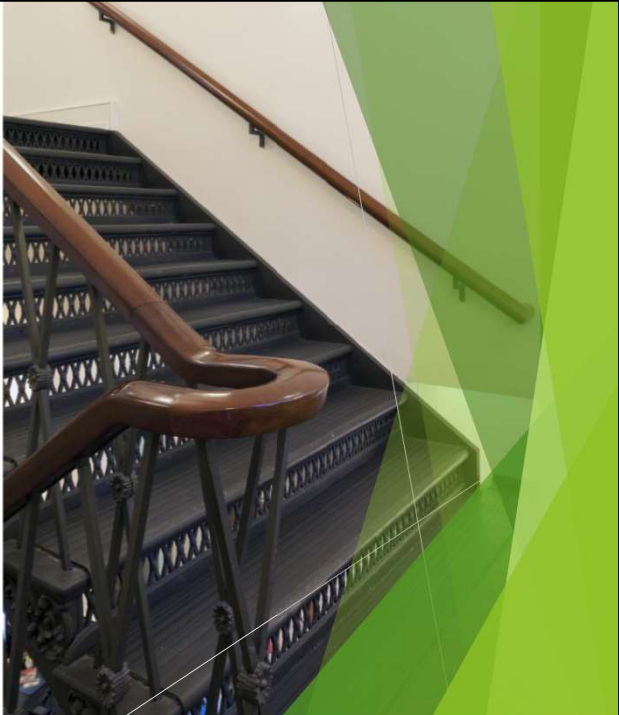
- ▶ How many does your jurisdiction utilize?
- ▶ Are these permits processed differently than fire systems permits?
- ▶ Do the same people review and inspect these permits?

Detroit Publishing Co, P. New Orleans, La., Mardi Gras Day, the "Red" Pageant, United States New Orleans Louisiana, None. [Between 1890 and 1910] [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2016795469/>.

13

Means of Egress

Chapter 10 is in both the IBC and IEBC. How are we coordinating?



Highsmith, C. M., photographer. (2011) Stairs at the United States Trade Representative's Winder Building, Washington, D.C. United States Washington D.C. District of Columbia Washington D.C, 2011, November. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2013634443/>.

14

What does Fire have that we don't?

IFC SECTION 1031 MAINTENANCE OF THE MEANS OF EGRESS



(1916) Woman working under hood of Stutz Weighman Special no. 26 on Benning race track, Washington, D.C. area. Washington Metropolitan Area, 1916. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/90710636/>.

15

Hazardous Materials

- ▶ IBC 414
- ▶ IFC Chapter 50



Vachon, J., photographer. (1943) Baltimore, Maryland. Associated Transport Company trucking terminal. Truck loaded with explosives. United States Maryland Baltimore, 1943. Mar. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2017846489/>.

16



17



18

Penetrations

- ▶ Plan Review
- ▶ Inspections
- ▶ What about fire systems?
- ▶ Special Inspections

Horydczak, T., photographer. *Editors Kiplinger Building. Pipes in boiler room in Editors Kiplinger Building.* United States Washington D.C. District of Columbia Washington D.C. None. ca. 1920-ca. 1950. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2019679981/>.



19

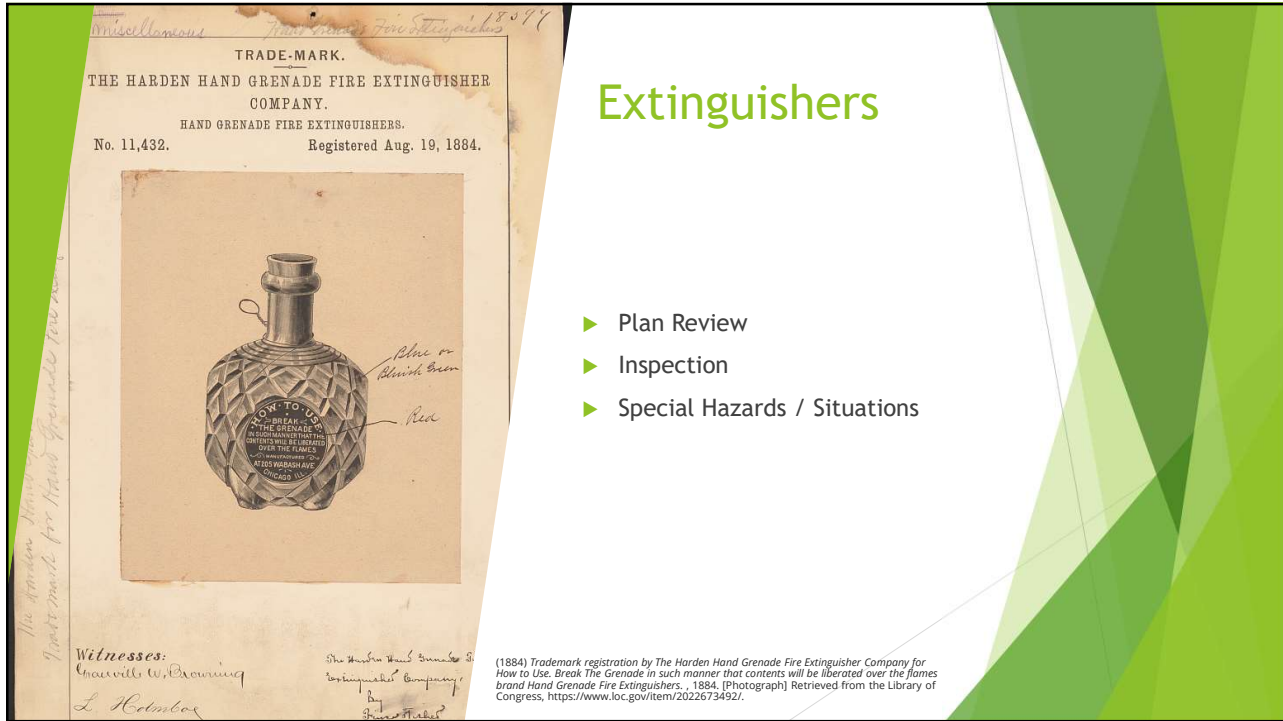
Exit Signs

- ▶ Plan Review
- ▶ Inspection
- ▶ Emergency Power

New York Public Library Archives, The New York Public Library. (1875). *Riverdale, Interior. Exit from empty reading room* Retrieved from <https://digitalcollections.nypl.org/items/510d47df-e4b9-a3d9-e040-e00a18064a99>



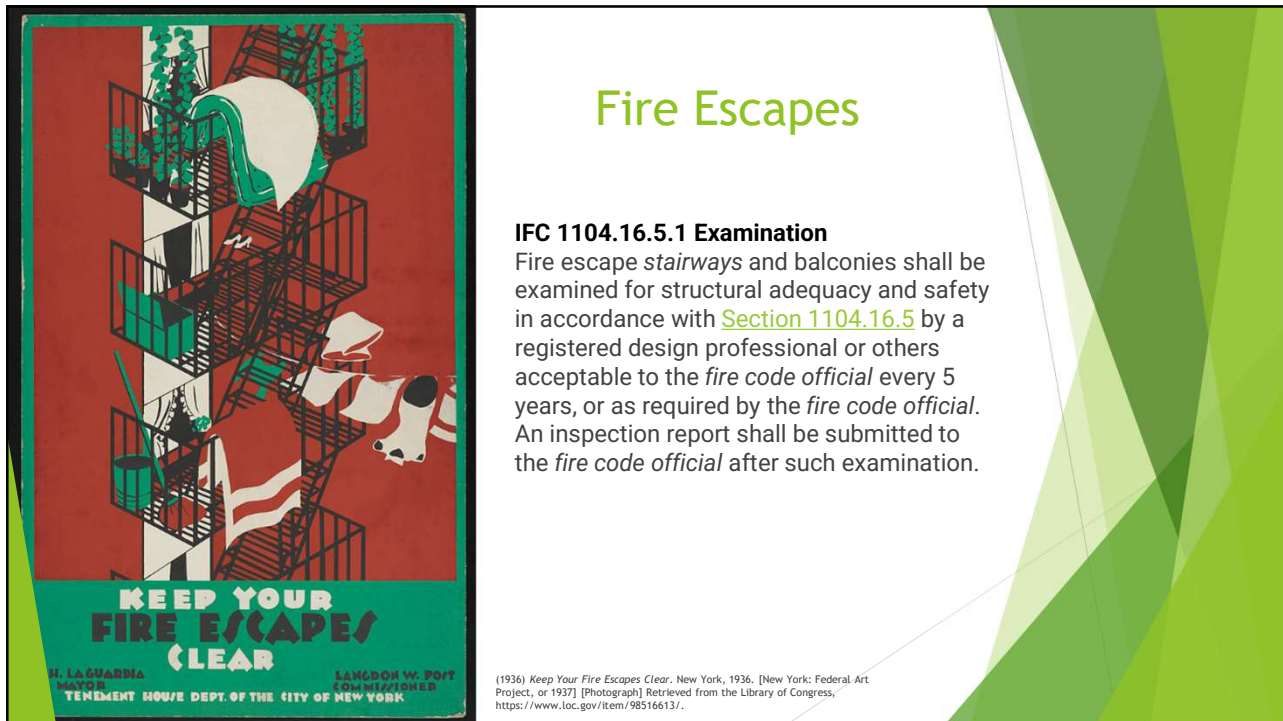
20



Extinguishers

- ▶ Plan Review
- ▶ Inspection
- ▶ Special Hazards / Situations

21



Fire Escapes

IFC 1104.16.5.1 Examination

Fire escape stairways and balconies shall be examined for structural adequacy and safety in accordance with [Section 1104.16.5](#) by a registered design professional or others acceptable to the *fire code official* every 5 years, or as required by the *fire code official*. An inspection report shall be submitted to the *fire code official* after such examination.

22



Fire Systems Confidence Testing

- ▶ Fire Alarms
- ▶ Fire Sprinklers
- ▶ Standpipes
- ▶ Fire Smoke Dampers
- ▶ Smoke Control Systems
- ▶ Radio Enhancement Systems
- ▶ Private Hydrant Systems
- ▶ Kitchen Hood Systems
- ▶ Clean Agent Systems

BEV! CHECK THE SMOKE ALARMS!

USCPSC  CPSC.gov

Galbo, J. & United States Consumer Product Safety Commission. (2018) *Bev's Smoke Alarms*. , 2018. Bethesda, M.D.: U.S. Consumer Product Safety Commission, -10-08. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2019667016/>.

23

Code Enforcement

- ▶ Engine Company Inspections
- ▶ Separate Code Enforcement
- ▶ Penalties



**Yeah, Mom!
The apartment is great!**

**The apartment was not great
SEE IT BEFORE YOU SIGN IT**

Look for:
Working Smoke Alarms, Fire Sprinklers, Two Ways Out of Each Room,
Windows and Doors that Open Easily

USCPSC 

Galbo, J. & U.S. Consumer Product Safety Commission. (2017) *See It Before You Sign It*. , 2017. Bethesda, M.D.: U.S. Consumer Product Safety Commission, -04-24. [Photograph] Retrieved from the Library of Congress, <https://www.loc.gov/item/2019666536/>.

24

Emergencies

- ▶ Car vs Building
- ▶ Landslides
- ▶ Floods
- ▶ Earthquakes
- ▶ Large structure fires

ES EARTHQUAKE

Bain News Service, P. (1920) *Los Angeles Earthquake*. , 1920. [June] [Photograph]
Retrieved from the Library of Congress, <https://www.loc.gov/item/2014711174/>.