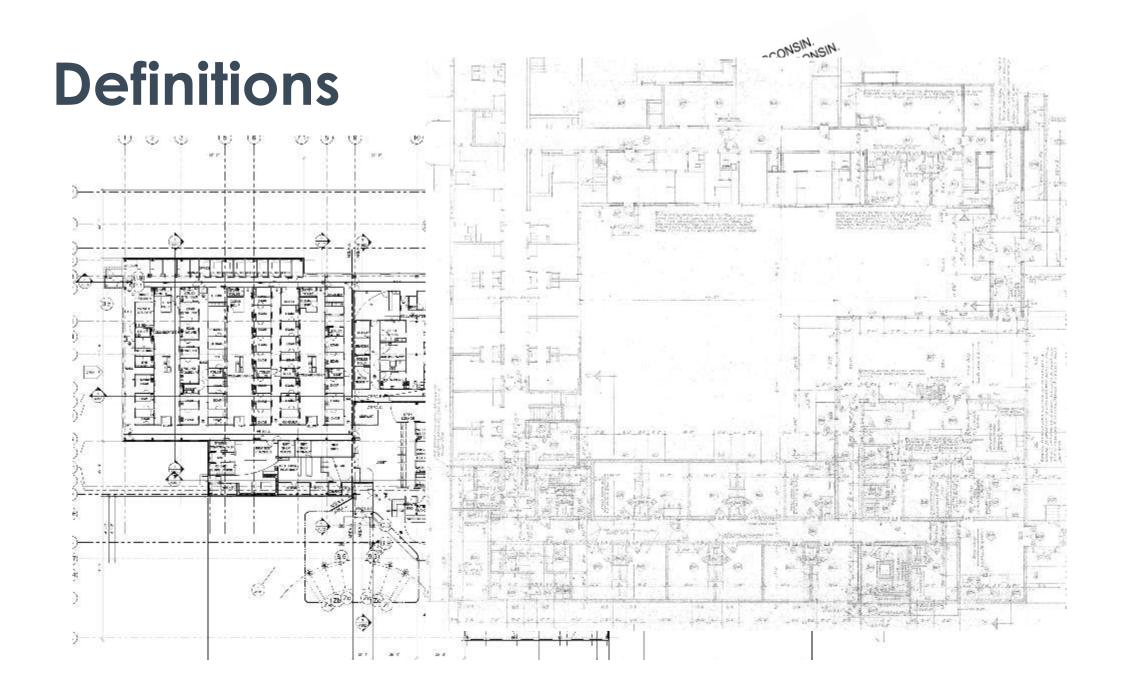


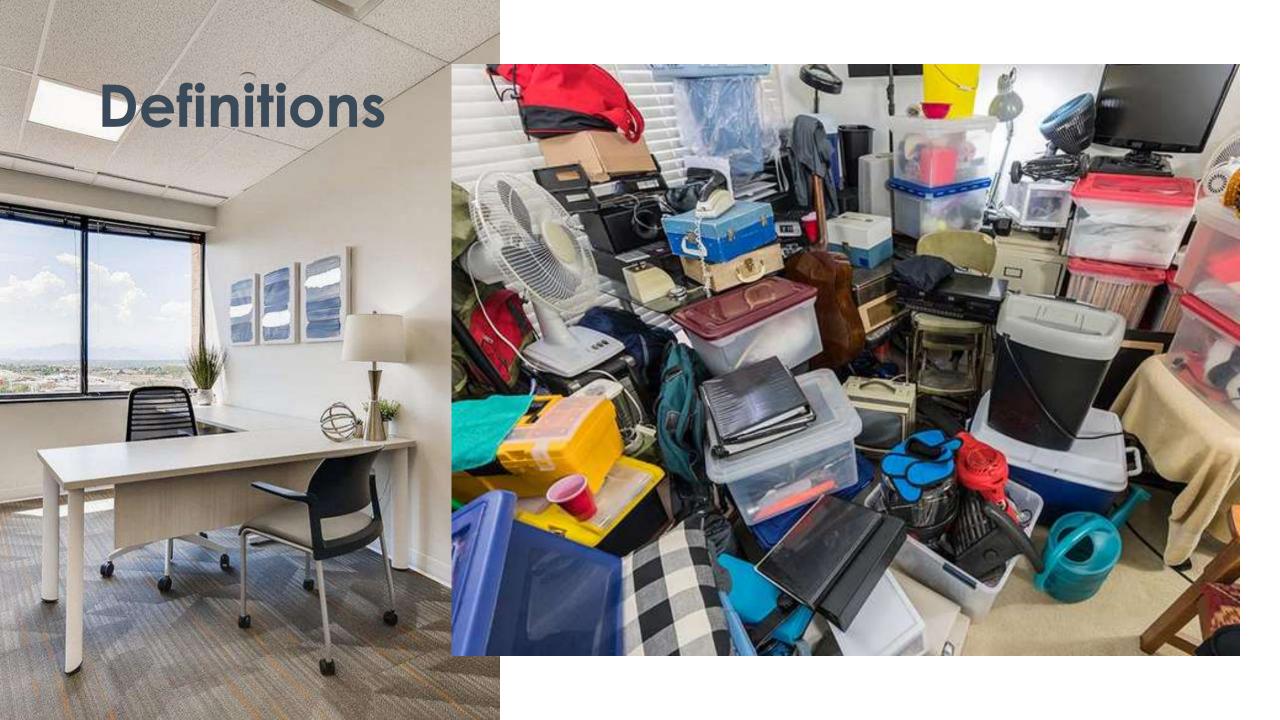
A look at features of fire protection.

Definitions. Applications. Requirements. Challenges. Examples.

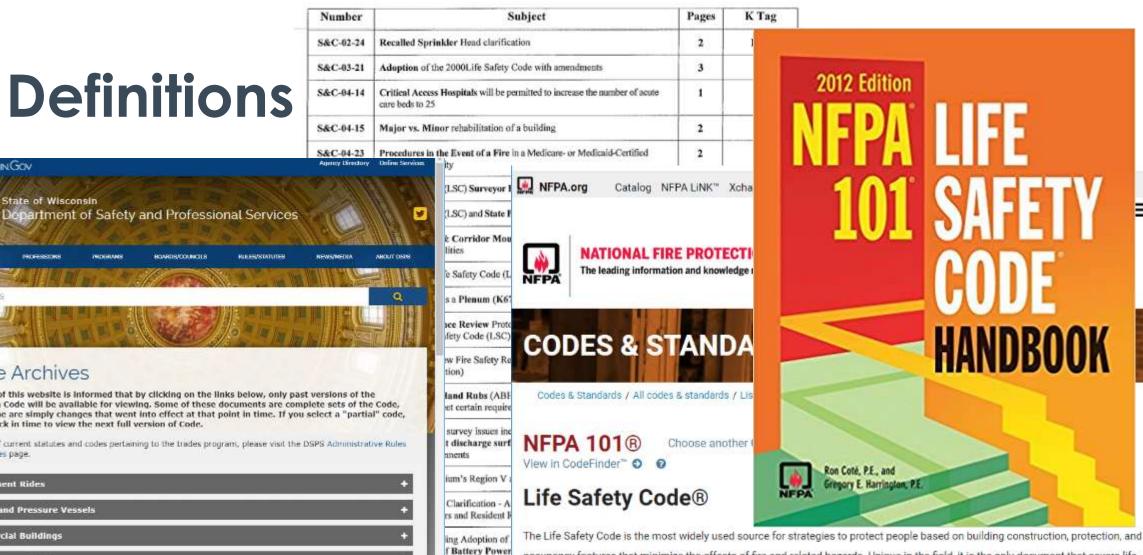
Presenter: David J. Kimball AIA, CCS, CDT Principal, Health Services – Wendel dkimball@wendelcompanies.com 715.828.1547

wendel





Definitions



2

K76

Code Archives The user of this website is informed that by clicking on the links below, only past versions of the Wisconsin Code will be available for viewing. Some of these documents are complete sets of the Code, while some are simply changes that went into effect at that point in time. If you select a "partial" code, search back in time to view the next full version of Code. For a list of current statutes and codes pertaining to the trades program, please visit the DSPS Administrative Rules and Statutes page. Amusement Rides Boilers and Pressure Vessels Commercial Buildings **Electrical and Lighting Flevators and Conveyances** Medical Gas Storage and Usage Considerations

occupancy features that minimize the effects of fire and related hazards. Unique in the field, it is the only document that covers life safety in both new and existing structures.

Some Resources:

WISCONSIN.GOV

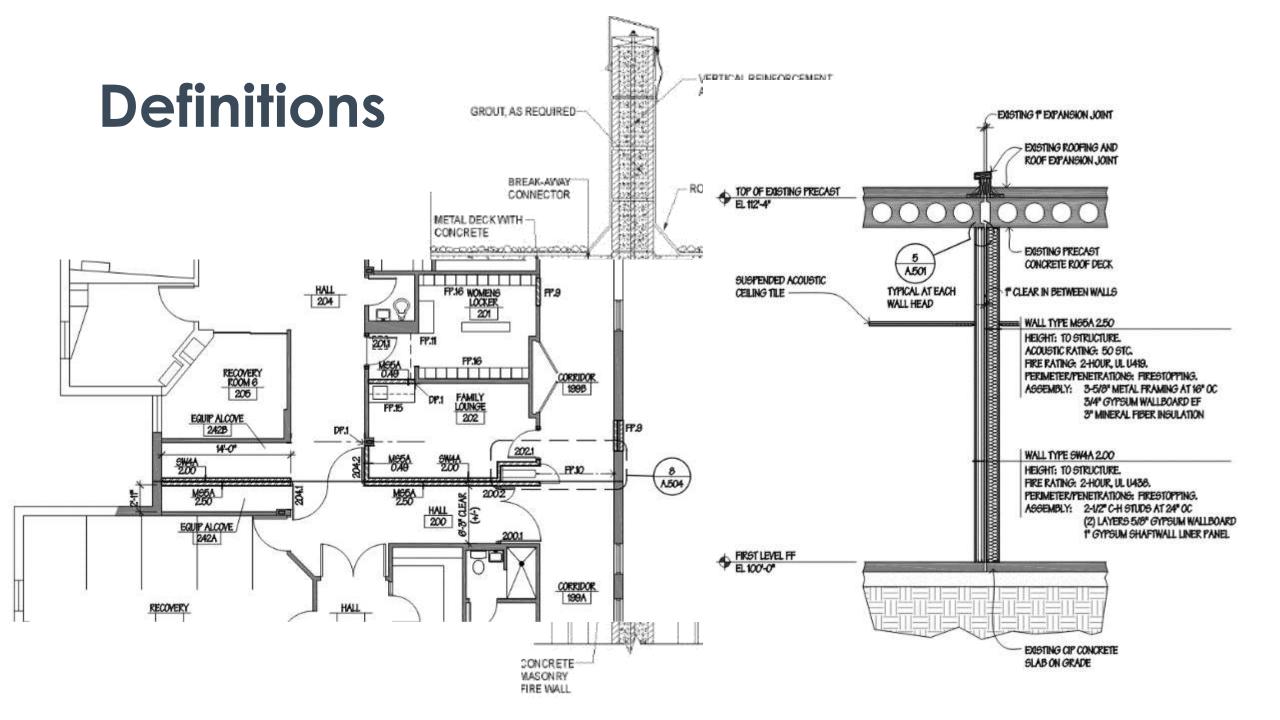
State of Wisconsin

https://dsps.wi.gov/Pages/Programs/CodeArchives.aspx

https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=101

nd the Fire Safet

Regulatory Compliance Questions and renawers



Definitions

RESIDENT

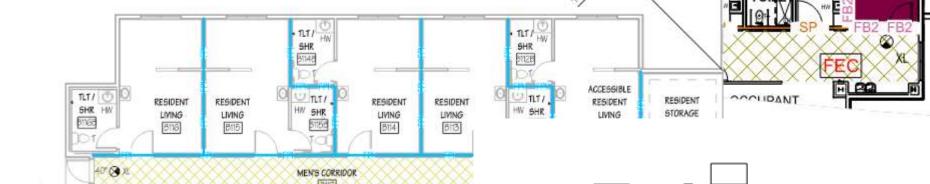
LIVING

TLT /

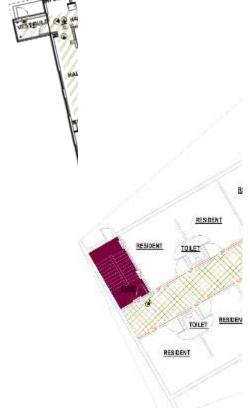
SHR BIISE RESIDENT

RESIDENT

LMING



SHR FIZID HW



INPATIENT

SMOKE

COMPARTMENT 1.2

MAIN LEVEL - SMOKE COMPARTMENT KEY PLAN

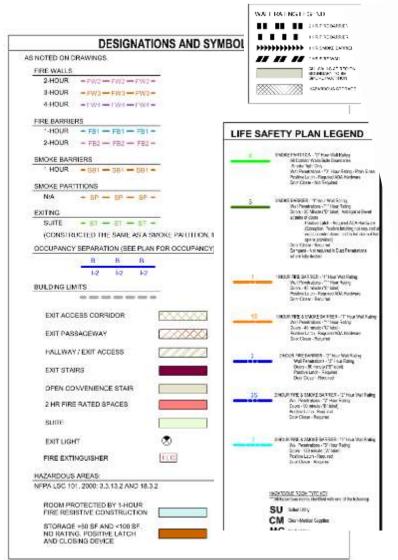
SMOKE

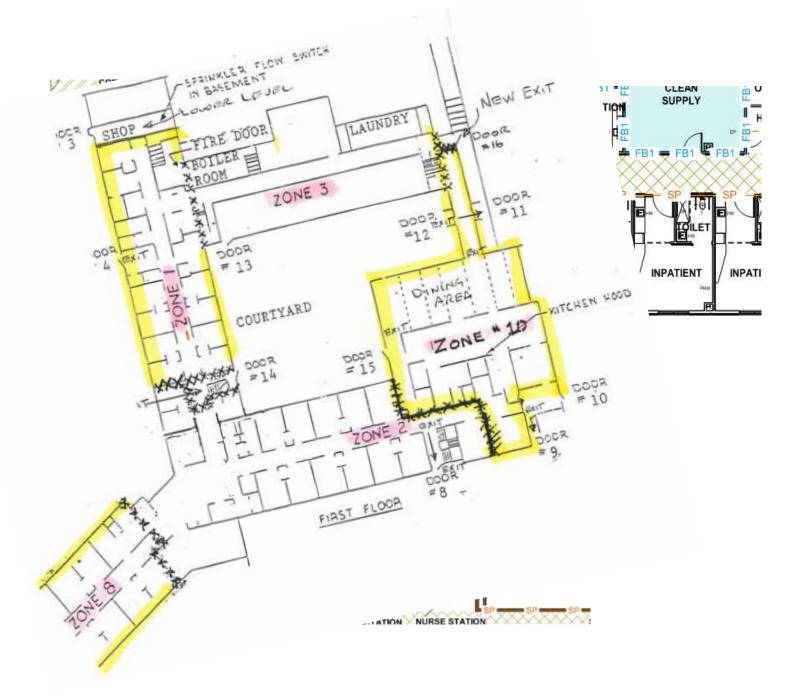
COMPARTMENT 1.1

NTS



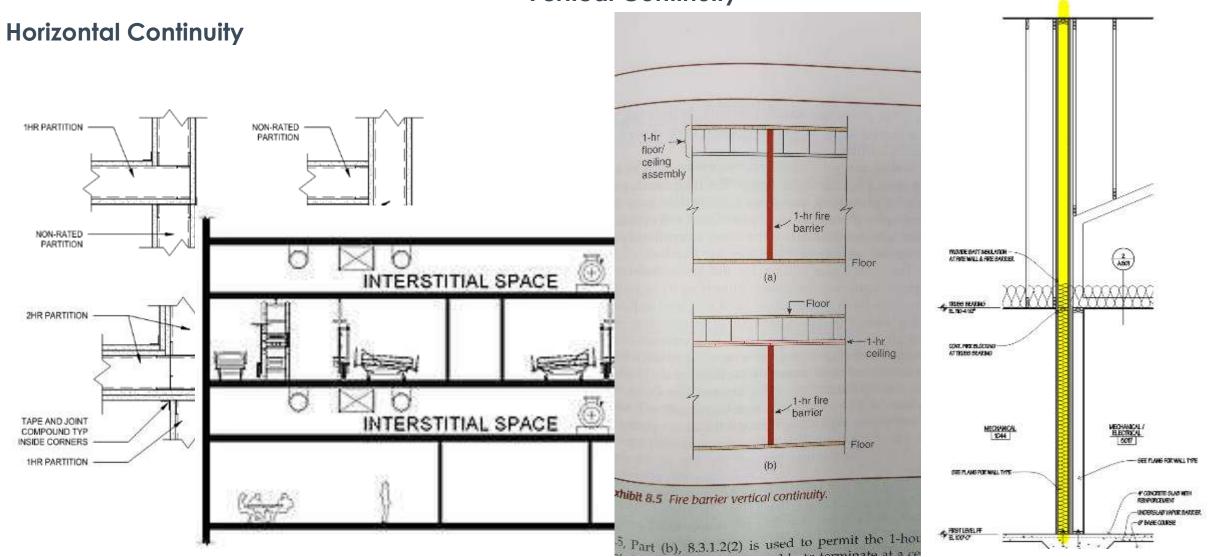
Function/Use

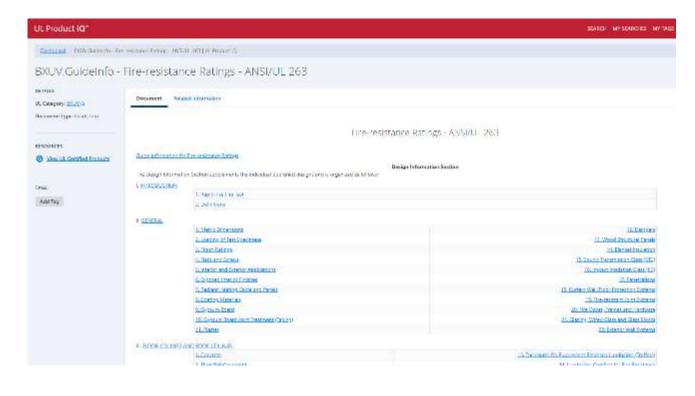


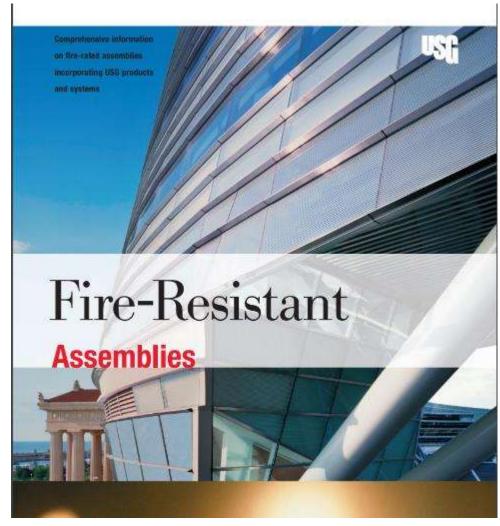


Continuity

Vertical Continuity







Some Resources:

https://iq.ulprospector.com/en/profile?e=206790

https://gypsum.org/2019/04/ga-600-2018-fire-resistance-and-sound-control-design-manual/

http://www.usg.com/content/dam/USG Marketing Communications/united states/product promotional materials/finished assets/us

g-fire-resistant-assemblies-catalog-en-SA100.pdf

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Dee General Internation for Helmestature Range - AMIVIII, JUS Centred for ignited States

See General information for Fire Resistance Ratings. CANALIC 3101 Certified for Consider

Design Critoria and Allowable Variances

1 Hour Fire-Rated Constructi Construction Detail wt. 6

WI. 0

wt. 6

3º/_e IN. 16 GA. NONCOMBUSTIBLE STUDS AT 16 IN. O.C.

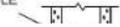


TABLE 722.2.1.4(2)

TIME ASSIGNED TO FINISH MATERIALS ON FIRE-EXPOSED SIDE OF WALL

FINISH DESCRIPTION	TIME (minutes)
Gypsum wallboard	
³ / ₈ inch	10
1/2 inch	15
⁵ / ₈ inch	20
2 layers of ³ / ₈ inch	25
1 layer of ³ / ₈ inch, 1 layer of ¹ / ₂ inch	35
2 layers of ¹ / ₂ inch	40
Type X gypsum wallboard	
¹ / ₂ inch	25
5/8 inch	40

is Canada), respectively.

uted size with minit in long legs, attached to foor and colling.

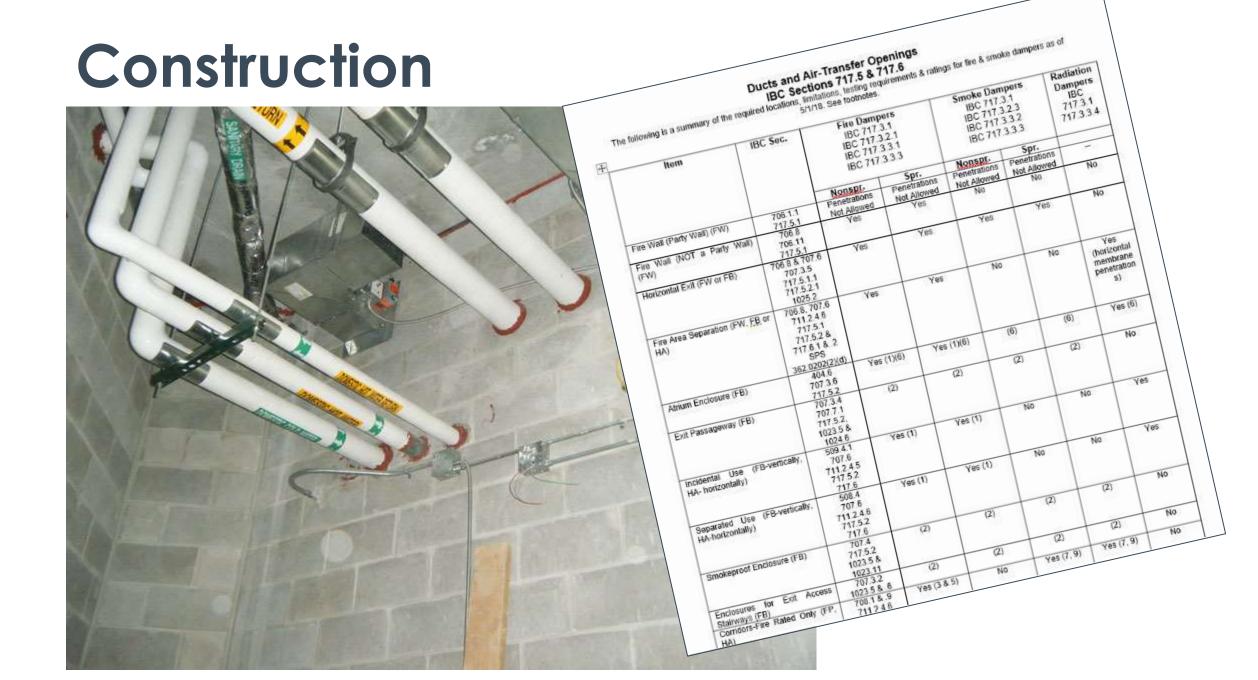
15 is I'm notice metal microscop calconnect size, anached to

DIMPOWES L.L.C -- Pro/1900

MICA METAL FRAMING -- PROTRAGE

RAM SALES LL C - Burn FroTR/K

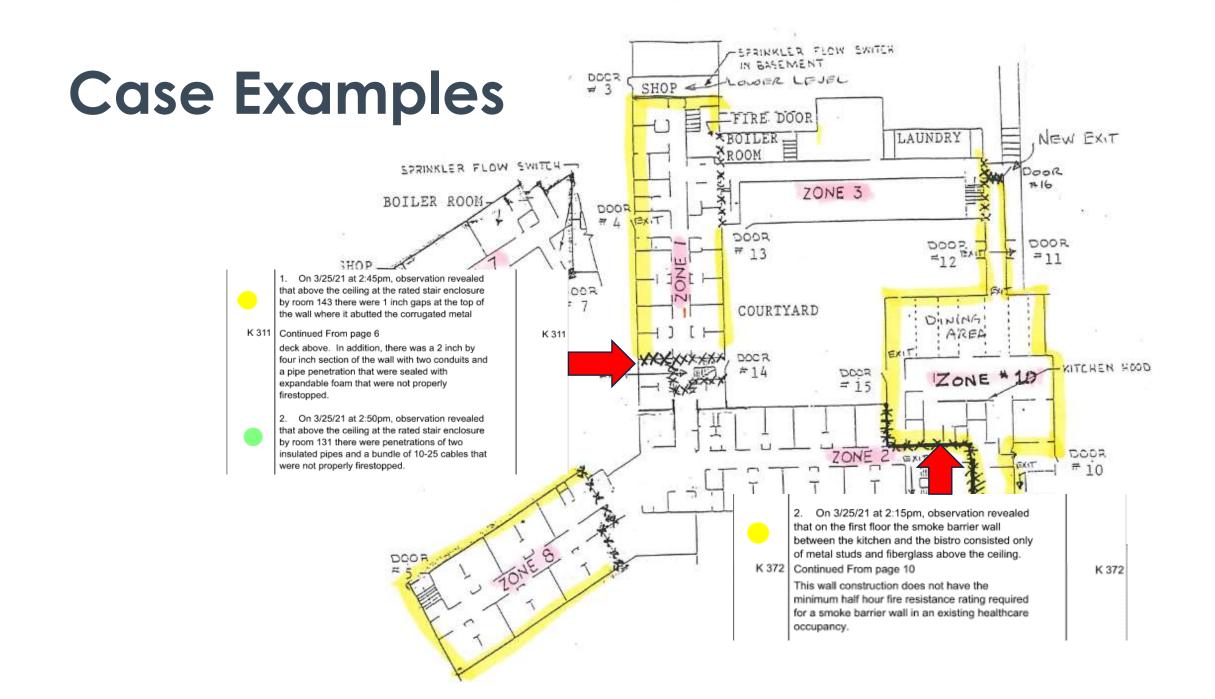
STOOL STRUCTURAL PRODUCTS L.L.C - In-5 the IRAK

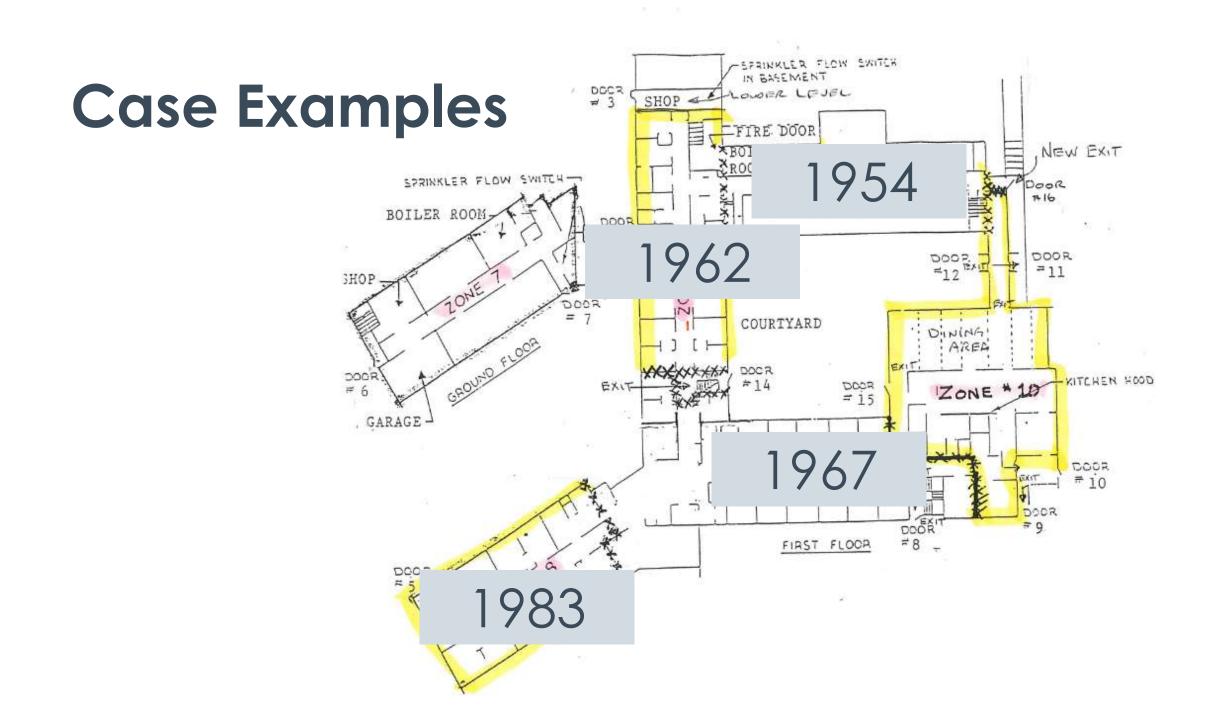














Thank you.

David J. Kimball AIA, CCS, CDT Principal, Health Services – Wendel dkimball@wendelcompanies.com 715.828.1547

